

1 **The endothelin-1-driven tumor-stroma feed-forward loops in high-grade serous ovarian**
2 **cancer**

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23

24 **Abstract**

25 The high-grade serous ovarian cancer (HG-SOC) tumor microenvironment (TME) is
26 constellated by cellular elements and a network of soluble constituents that contribute to
27 tumor progression. In the multitude of the secreted molecules, the endothelin-1 (ET-1) has
28 emerged to be implicated in the tumor/TME interplay, however the molecular mechanisms
29 induced by the ET-1-driven feed-forward loops (FFL) and associated with the HG-SOC
30 metastatic potential need to be further investigated. The tracking of the patient-derived (PD)
31 HG-SOC cell transcriptome by RNA-seq identified the vascular endothelial growth factor
32 (VEGF) gene and its associated signature among those mostly upregulated by ET-1 and
33 down-modulated by the dual ET-1R antagonist macitentan. Within the ligand-receptor pairs
34 concurrently expressed in PD-HG-SOC cells, endothelial cells and activated fibroblasts, we
35 discovered two intertwined FFL, the ET-1/ET-1R and VEGF/VEGF receptors, concurrently
36 activated by ET-1 and shutting-down by macitentan, or by the anti-VEGF antibody
37 bevacizumab. In parallel, we observed that ET-1 fine-tuned the tumoral and stromal
38 secretome towards a pro-invasive pattern. Into the fray of the HG-SOC/TME double and triple
39 co-cultures, the secretion of ET-1 and VEGF, that share a common co-regulation, was
40 inhibited upon the administration of macitentan. Functionally, macitentan, mimicking the effect
41 of bevacizumab, interfered with the HG-SOC/TME FFL-driven communication that fuel the
42 HG-SOC invasive behaviour. The identification of ET-1 and VEGF FFL as tumor and TME
43 actionable vulnerabilities, reveal how ET-1R blockade, targeting the HG-SOC cells and the
44 TME simultaneously, may represent an effective therapeutic option for HG-SOC patients.

45

46 **Keywords:** endothelin-1 receptor, ovarian cancer, tumor microenvironment

47 **Introduction**

48 The tumor microenvironment (TME) represents the habitat in which tumor cells live and
49 expand in communion with a myriad of elements, including the extracellular matrix (ECM),
50 and multiple types of stromal elements [1-3]. In the high-grade serous ovarian cancer (HG-
51 SOC), the most frequent and severe form of ovarian cancer frequently diagnosed in later
52 stages [1], the dynamic co-evolution of tumor cells with the surrounding TME, corrupting
53 homeostatic networks, impacts on its invasive and metastatic journey [4-6].

54 In the tumor/TME interplay a complex system of bioactive circulating molecules, including
55 cytokines, chemokines, growth factors and inflammatory mediators, is at the heart of the
56 intercellular communication [2, 6]. In particular, tumor cells secrete biological factors to
57 educate the neighbouring TME cells for their own growth and dissemination benefits. On their
58 part, TME elements release signals that facilitate the metastatic odyssey. Such reciprocal
59 tumor/TME cross-talk provides to cancer cells a therapy elusive attitude, contributing to
60 disease progression [2, 4, 7-9]. Remarkably, it was observed how the high abundance of
61 stromal cells in the HG-SOC patient TME is significantly associated with a shortened life
62 expectancy [6, 10] and the poor response to chemotherapy [11, 12].

63 A major class of secreted mediators implicated in the cell-cell communication comprises
64 growth factors that activate their cognate receptors expressed by both tumor and TME cells.
65 Within this unique subset of circulating ligands, the endothelin-1 (ET-1) and the vascular
66 endothelial growth factor (VEGF), binding the ET-1 receptors (ET-1R) A and B (ET_AR and
67 ET_BR) and the VEGF receptor 1 and 2 (VEGFR1 and VEGFR2), respectively, have been
68 described to unleash, through both autocrine and paracrine signalling routes, tumor growth,
69 metastatization, new blood vessel formation and poor response to the available therapeutics
70 for HG-SOC [13-18]. Remarkably, high levels of ET-1 were detected in the ascitic fluids of

71 ovarian cancer patients and correlated with VEGF levels [19]. In this tumor ET-1/ET_AR axis
72 induced VEGF expression through the hypoxia-inducible factor (HIF-1 α) [20]. In this respect, it
73 was recently demonstrated that the ET-1R-driven HIF-1 α transcriptional machinery, rewiring
74 the tumor and TME behaviour, regulates the DNA damage response and contributes to the
75 HG-SOC poor response to the PARP inhibitor olaparib [16]. Despite these observations,
76 gaining a more comprehensive view of the ET-1-driven mechanisms at the core of the
77 tumor/TME communication, particularly those related to the instigation of self-enhancing
78 signalling loops able to enforce the tumor metastatic nature, can be used as a tactic to
79 interrupt this interplay, implementing the anti-metastatic therapeutic strategies in HG-SOC.
80 Considering the inadequacy of the available therapeutics for HG-SOC, in this study we aimed
81 to elucidate how specific ligand-receptor interactions, as the ET-1/ET-1R and VEGF/VEGFR
82 axes, activating self-sustaining signalling flows at the HG-SOC/TME interface, may prime the
83 establishment of a tumor permissive TME. Additionally, we evaluated how the targeting of the
84 ET-1/ET-1R FFL, simultaneously hitting the VEGF/VEGFR FFL in the tumor and in the TME,
85 may embody a successful therapeutic strategy for HG-SOC patients.

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94 **Materials and methods**

95 **Cell lines and chemical compounds**

96 Patient-derived (PD) HG-SOC cells were isolated from the ascitic fluid of a HG-SOC patient,
97 undergoing surgery for ovarian tumor by laparotomy or paracentesis at the Gynaecological
98 Oncology of our Institute. This cell line is named PMOV10 where PM stands for Preclinical
99 Models, OV stands for ovarian serous cancer, and # is the order in which the cell line was
100 established. PMOV10 (*TP53* mutant R337T) closely recapitulates the genomic traits, the
101 histopathology and the molecular features of the HG-SOC patient (stage III, age 69). [14]. The
102 ascitic sample collection together with the relative clinical information were approved by the
103 Regina Elena institutional review board (IRB) after HG-SOC patients gave written informed
104 consent. Briefly, cells were harvested by centrifugation at 200 X g for 5 min at room
105 temperature, resuspended in Dulbecco's PBS, and then centrifuged through Ficoll-
106 Histopaque 1077 (Sigma-Aldrich, St. Louis, Missouri, USA). Interface cells were washed in
107 culture medium, and 5×10^6 viable cells were seeded in 75-cm² culture flasks, in RPMI 1640
108 (Gibco, Grovemont Cir, Gaithersburg, USA) containing 1% penicillin-streptomycin and 10%
109 fetal bovine serum. The purity of primary cultures was assessed by immunophenotyping with
110 a panel of monoclonal Abs (including WT1, keratin 7, calretinin and OCT-125) recognizing
111 ovarian tumor-associated antigens by the alkaline phosphatase-peroxidase-antiperoxidase
112 method.

113 Human lung fibroblasts (WI-38, CCL-75 ATCC) and Human Umbilical Vein Endothelial Cells
114 (HUVEC; Lonza) were maintained as indicated. [16]. Cell lines were authenticated by STR
115 profiling and regularly controlled for mycoplasma infection. ET-1 (Sigma-Aldrich, MO, USA)
116 was used at a 100 nM final concentration. Macitentan (Selleckchem, United Kingdom), also
117 called ACT-064992 or N-[5-(4-Bromophenyl)-6-[2-[(5-bromo-2-pyrimidinyl)oxy]ethoxy]-4-

118 pyrimidinyl]-N'-propyl-sulfamide, added 30 min before ET-1 when administered in
119 combination, was used at a 1 μ M final concentration. VEGFA was used at 50 ng/ml (R&D
120 Systems, Minneapolis, MN). Bevacizumab, also known as MVASI, was used at a 250 μ g/ml
121 final concentration.

122

123 **Immunoblotting (IB)**

124 Whole-cell lysates were obtained as reported [14] and were used for electrophoresis on SDS-
125 PAGE gels. Bands with the protein of interest were detected by using the enhanced
126 chemiluminescence (ECL) detection from Bio-Rad (CA, USA). The antibodies used for the
127 study were as follows: Anti-ET-1 (cat. #ab88093, 1:1000) was from Abcam (Cambridge,
128 United Kingdom). Anti-ET_AR (cat. #PA3-065, 1:3000) was from Thermo Fisher
129 Scientific (MA, USA). Anti-ET_BR (cat. #sc-33538, 1:200), anti-VEGF (cat. #sc-53462, 1:200),
130 anti-VEGFR1 (cat. #sc-316, 1:200), anti-VEGFR2 (cat. #sc-504, 1:200) and anti-Tubulin (cat.
131 #sc-32293, 1:200) were from Santa Cruz Biotechnology (CA, USA). Anti-p-p44/42 MAPK
132 (Thr202/Tyr204) (cat. #4377S, 1:1000), anti-p44/42 MAPK (cat. #9102, 1:1000) anti-pAkt
133 (S473) (cat. #9271S, 1:1000), and anti-Akt (cat. #9272S, 1:1000) were from Cell Signaling
134 Technology (MA, USA).

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136 **Cytokine and chemokine analysis**

137 PD-HG-SOC cells, HUVEC and WI-38 fibroblasts plated in 100 mm dish were serum-starved
138 for 24 h and then stimulated or not with ET-1 and/or treated with macitentan for 48 h.
139 Conditioned media (CM) were first collected and centrifuged at 1000 rpm in order to eliminate
140 debris and second, they were used for the Luminex assay, where coupled magnetic beads
141 and premixed detection antibodies are used for the quantification of the relevant targets. The

142 different CM were profiled for cytokines and chemokines using a Bio-Plex Pro Human
143 Cytokine Screening 48-Plex panel (Bio-Rad) according to the manufacturer's instructions. The
144 cytokine/chemokine contents of each well were identified and quantified using a Bio-Plex
145 Magpix apparatus (Bio-Rad) by comparing them to standard samples. The Matlab R2023b
146 program was used to generate the heatmaps.

147

148 **ELISA assay**

149 Conditioned media (CM) derived from PD-HG-SOC cells, HUVEC and WI-38 fibroblasts or
150 from PD-HG-SOC, HUVEC and WI-30 double or triple direct co-culture (ratio 1:1 or 1:1:1)
151 serum-starved for 24 h and then stimulated or not with exogenous ET-1 or treated with
152 macitentan or bevacizumab for 48 h, were analysed for the release of ET-1 and VEGF by
153 using Quantikine ELISA kits for human Endothelin or human VEGF (R&D Systems, MN, USA)
154 according to manufacturer's instructions.

155

156 **RNA sequencing of patient-derived HG-SOC cells**

157 Total RNA from PD-HG-SOC cells was isolated by using the RNeasy Quick Start kit (Qiagen,
158 Germany) according to manufacturer's instructions. NanoDrop (Thermo Scientific) was used
159 to check RNA concentration, quality and purity. Before starting with library preparation, the
160 quality of the RNA was set by running samples on the 4100 TapeStation system (Agilent, CA,
161 USA). To generate the NGS libraries, we used the TruSeq Stranded mRNA kit (Illumina, CA,
162 USA), starting with 100 ng of total RNA. Only RNA samples with RNA Integrity Number (RIN)
163 above 7 were used in the next steps. Libraries were barcoded, pooled, and sequenced on an
164 Illumina 6 NextSeq 500 sequencing system to obtain ~ 20-30 million (M) single-end reads,
165 100 nt long, for each sample. Sequencing reads were aligned to the human reference

166 genome GRCm38 using STAR v2.5.3a [21] (with parameters --outFilterMismatchNmax 999 --
167 outFilterMismatchNoverLmax 0.04) and a list of known splice sites extracted from GENCODE
168 24 comprehensive annotation. Gene expression levels were quantified with featureCounts
169 v1.6.3 [22] (options: -t exon -g gene_name) using GENCODE 24 basic gene annotation.
170 Following gene expression counts were analyzed using the edgeR package [23].
171 Normalization factors were performed using the trimmed-mean of M-values (TMM) method
172 (implemented in the calcNormFactors function), and normalized library sizes and gene
173 lengths were used to obtain Reads Per Kilobase Million (RPKM). Upon filtering low-ranking
174 expressed genes (below 1 Counts Per Million (CPM) in 4 or more samples), differential
175 expression analysis was conducted by fitting a Generalized Linear Model (GLM) to all groups,
176 performing a Likelihood F (LF) test for the interesting pairwise contrasts. Genes were
177 considered significantly differentially expressed when $|\logFC| > 1$ and $FDR < 0.05$ in each
178 relevant comparison. GSEA preranked analysis of signaling pathways from the Oncogenic
179 signature gene sets was performed using the Java version of the software (gsea2-2.2.3.jar;
180 software.broadinstitute.org/gsea/), with \log_2FC obtained from RNA-Seq contrasts and
181 standard parameters.

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183 **Endothelial tube formation assay**

184 HUVEC were seeded at a concentration of 3×10^4 cells in a 96-well culture plate pre-coated
185 with Cultrex® Basement Membrane Extract (50 μ l/well) and stimulated with serum-free
186 medium with ET-1, CM derived from PD-HG-SOC cells and WI-30 previously treated with
187 macitentan or bevacizumab, alone or in combination. After 24 h, illustrative images of tube
188 formations were captured in the ZOE Fluorescent Cell Image (20X magnification; Bio-Rad).

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190 **Collagen gel contraction assay**

191 Collagen gel was prepared according to the manufacturer's protocol (Corning, Bedford, MA,
192 USA). Collagen solution was neutralized by adding 12 μ l of Ac. Acetic 0,1% and 7 μ l of 1 M
193 NaOH to 600 μ l of Type-I collagen stock solution (3mg/mL). Then, WI-38 fibroblasts (1.5×10^3)
194 suspended in 500 μ l of cell culture media were added and gently mixed. The cell-laden
195 collagen was transferred into 24-well plates and incubated at 37 °C for 30 minutes. Collagen
196 polymerized forming disk-shaped gels were gently detached from the edges of the culture
197 wells. Following, the disk-shaped gels were stimulated with ET-1 and/or treated with
198 macitentan or bevacizumab and incubated at 37 °C and 5% CO² for 24h and then
199 photographed. The decrease of the surface area (cm²) of the disk-shaped gels was used to
200 quantify the degree of gel contractility that was measured by ImageJ program.

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202 **Hybrid HG-SOC/fibroblast 3D spheroid sprouting assay**

203 A three-dimensional sprouting assay with hybrid spheroids composed by PD-HG-SOC
204 cells/fibroblasts, obtained by plating 100 cells per well in 3D Culture Qualified 96-well plates.
205 After 48 h, spheroids were embedded into the matrix (Cultrex; Trevigen, MD, USA) and
206 treatments were made. Spheroids were photographed at time 0 and after the treatments
207 using a ZOE Fluorescent Cell Imager (Bio-Rad) and their sprout length was quantified using
208 ImageJ program.

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210 **Migration and invasion assays**

211 The cell migratory and invasive ability was determined using transwell migration and matrigel
212 invasion assays, by using a Boyden chambers (BD Biosciences, NJ, USA) and a Matrigel
213 Invasion Chamber (BD Biosciences), respectively. In brief, PD HG-SOC cells (5×10^4) were

214 seeded in the upper part of chambers and stimulated in the lower part of chambers with
215 serum-free medium alone, or in the presence of ET-1, or upon the addition of macitentan or
216 bevacizumab. After 48 h, the migrating and invading cells were visualized using a Diff-Quick
217 kit (Dade Behring, IL, USA) and detected under a ZOE Fluorescent Cell Imager (Bio-Rad).
218 Migrating and invading cells were counted using the ImageJ program.

219

220 **Statistical analysis**

221 Student's t-test was used for the analysis of the comparison between two groups of
222 independent samples. Data points represent the mean and standard deviation (SD) of three
223 independent experiments performed in triplicates for all the conditions described. The
224 analysis of the data was conducted in GraphPad Prism v8.0 software.

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235 **Results**

236 **The ET-1/ET-1R FFL intertwines with the VEGF/VEGFR axis and sustains pro-survival** 237 **signals in HG-SOC and stromal cells**

238 To identify ligand/receptor pairs that in response to ET-1 signaling activation could exert an
239 active role in the heterotypic tumor/TME networking, we performed a RNAseq analysis in PD-
240 HG-SOC cells. The HG-SOC transcriptional analysis recognized *VEGFA* pathway among the
241 mostly upregulated in response to ET-1 and downregulated upon treatment with macitentan
242 (Fig. 1A and Supplementary Table S1). Remarkably, gene set enrichment analysis (GSEA)
243 identified a strong signal in the *VEGFA* signature, emphasizing the ability of the ET-1
244 signaling to regulate the VEGF-related angiogenic processes (Fig. 1B). Along with these
245 results, we detected how not only PD-HG-SOC cells, but also stromal components as the
246 endothelial cells (EC) and activated fibroblasts, expressed VEGF and its cognate receptors
247 VEGFR1 and VEGFR2, as well as ET-1 and the ET_AR and ET_BR (Fig. 1C). This observation
248 paves the way to the intriguing perspective that the VEGF/VEGFR and ET-1/ET-1R axes, in
249 response to ET-1 signaling initiation, could be actively implicated in the tumor/TME cross-talk.
250 In both tumor and stromal cells, ET-1 upregulated the expression of HIF-1 α and VEGF, an
251 effect hindered by the ET-1R targeting with macitentan. Of interest, VEGF increased both
252 HIF-1 α and ET-1 expression, that were down-modulated by the anti-VEGF antibody
253 bevacizumab (Fig. 1D and E), highlighting the inter-regulation existing between these two
254 signaling pathways.

255 Moving towards this framework, we observed that cell stimulation with ET-1 and VEGF,
256 concurrently in PD-HG-SOC cells, EC and activated fibroblasts, sustained the induction of
257 pro-survival signals, as shown by the ET-1- and VEGF-triggered activation of p42/44 MAPK

258 and AKT, that was abrogated upon treatment with macitentan or bevacizumab (Fig. 1F).
259 Overall, the present results demonstrate how the ET-1/ET-1R and VEGF/VEGFR FFL
260 represent a HG-SOC/TME inter-regulatory shared signaling to reciprocally communicate.

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262 **The ET-1/ET-1R FFL shapes the tumor and TME secretome pattern**

263 Given the regulatory role exercised by the tumoral and stromal secretome in transmitting
264 messages that impact on the metastatic attitude [3, 9], we characterized the PD-HG-SOC cell,
265 EC and activated fibroblast conditioned media (CM) composition in response to ET-1. This
266 analysis revealed that ET-1 stimulation improved the release of a subset of pro-inflammatory
267 interleukins, as IL-1 β , IL-2, IL-6, IL-8 and IL-9, chemokines, as CCL5 and CCL7, and growth
268 factors, including VEGF, M-CSF, MIF, SCGF- β in PD-HG-SOC cells, EC and activated
269 fibroblasts, whose release was diminished upon treatment with macitentan (Fig. 2A-C).
270 Remarkably, IL-6, IL-8, IL-9, CXCL10, CCL5, CCL7 and VEGF were the molecules commonly
271 released by PD-HG-SOC cells, EC, and fibroblasts (Fig. 2D).

272 To validate these results, we measured the ET-1 and VEGF release by ELISA, further proving
273 that all the cells released both ET-1 and VEGF (Fig. 2E and F) at a basal level of
274 approximately 200 pg/ml and 300 pg/ml per 1×10^6 cells, respectively, and that VEGF
275 secretion was boosted upon cell stimulation with ET-1 (Fig. 2F). The physical interaction of
276 PD-HG-SOC cells with EC or activated fibroblasts in double co-cultures enhanced the
277 secretion of both ET-1 and VEGF, compared to the single cell culture. This effect was more
278 marked in the triple PD-HG-SOC/EC/fibroblasts co-culture systems. Macitentan, mimicking
279 the effect of bevacizumab, interfered with ET-1 and VEGF release (Fig. 2E and F). These
280 results emphasize the significance of the interplay existing between tumor cells and stromal
281 components in HG-SOC and how, in the intricate network of HG-SOC/TME-released soluble

282 mediators ET-1 and VEGF activate self-sustaining signalling flows that are blocked by ET-1R
283 targeting drugs.

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285 **The administration of macitentan, preventing the HG-SOC/TME shared ET-1/ET-1R FFL,**
286 **hinders the HG-SOC invasive behaviour**

287 To examine whether in response to the ET-1/ET-1R FFL, the HG-SOC cells, EC and
288 activated fibroblasts undergo functional changes that contributes to enforce the HG-SOC
289 invasive behaviour, we performed a set of functional assays. In particular, we observed that
290 the ET-1/ET-1R FFL improved the EC angiogenic ability. The tube formation assays unveiled
291 that ET-1 addition to EC, similarly to EC stimulation with PD-HG-SOC- or fibroblast-derived
292 CM boosted their ability to form vascular-like structures. Conversely, EC stimulation with CM
293 derived from PD-HG-SOC or fibroblasts pre-treated with macitentan, or bevacizuman
294 precluded such ability (Fig. 3A).

295 To validate the prominent role of the ET-1-guided FFL in fostering the HG-SOC metastatic
296 dissemination route, and considering how the activation of fibroblasts, intensively involved in
297 extracellular matrix (ECM) deposition and remodelling, bolsters tumor progression and
298 metastases, we examined the collagen-contraction ability of fibroblasts in response to the ET-
299 1 stimulation. In particular, we observed that fibroblasts stimulated with ET-1 were
300 characterized by the ability to contract collagen, the main ECM component (Fig. 3B). Of note,
301 the effect produced by fibroblast stimulated with ET-1 was comparable to that one produced
302 by fibroblast stimulation with CM derived from PD-HG-SOC cells or EC. In contrast, the
303 inhibition of the ET-1/ET-1R FFL upon treatment with macitentan, similarly to bevacizumab,
304 impaired collagen contraction (Fig. 3B), clearly proving the involvement of the two ligand-

305 receptor pair-driven signaling in supporting the unfavourable fibroblast behaviour, which
306 represents a hallmark of an invasive and metastatic HG-SOC [16]. Furthermore, we set-up a
307 3D experimental system to test the PD HG-SOC metastatic behaviour, represented by hybrid
308 spheroids incorporating PD-HG-SOC and fibroblasts, in quality of stromal element, embedded
309 into a biomimetic matrix, mimicking the HG-SOC ECM, observing that stimulation with ET-1
310 sustained the formation of invasive sprouts of a greater length compared to untreated
311 spheroids. The ET-1-potentiated spheroid ability to invade the surrounding matrix was
312 prevented upon ET-1/ET-1R FFL blockade by macitentan, to an extent similar to that one
313 observed in presence of bevacizumab (Fig. 3C). To strength the major role of the ET-1-driven
314 FFL in fuelling the HG-SOC aggressive traits, we extend this analysis by examining the PD
315 HG-SOC cell migratory and invasive pattern, confirming that cell stimulation with ET-1
316 boosted the HG-SOC migratory and invasive potential, an effect hindered by macitentan, as
317 well as upon cell treatment with bevacizumab (Fig. 3D and E). Collectively, these findings
318 suggest that the activation of the ET-1/ET-1R-mediated FFL simultaneously in tumor cells and
319 stromal components, which live and expand nearby tumor cells, sustains the HG-SOC
320 metastatic course.

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327 Discussion

328 In the intricate HG-SOC ecosystem, the identification of the heterotypic connection existing
329 within the TME offers, on one side, the prospective to impact on disease initiation and
330 progression, and, on the other, to design therapies to tackle the tumor and normalize the
331 TME, in an effort to improve patient life expectancy. In such dangerous tumor/TME affair the
332 cell secretome, that include potent and multifaceted released modulators, as cytokines,
333 chemokines and growth factors, play a leading role. Recent evidences demonstrated that
334 such circulating molecules, activating vicious FFL at the tumor/TME interface, transmit
335 reprogramming signals to both cancer and stromal cells that prime and establish a tumor
336 supportive niche [9], thus highlighting how these FFL are worthy of investigation to refine new
337 therapeutic strategies.

338 In the present study, using double and triple co-culture systems, we identified two co-
339 regulated FFL, the ET-1/ET-1R and VEGF/VEGFR ligand/receptor pairs, concurrently
340 activated by ET-1 in PD-HG-SOC cells, EC and activated fibroblasts. The intertwined
341 regulated FFL-driven pro-survival signals adjust the tumoral and stromal secretome towards a
342 pro-tumoral configuration, renews the EC and the activated fibroblast dangerous behaviour,
343 and enforces the HG-SOC invasive attitude. From a clinical perspective, ET-1R blockade by
344 macitentan, impairing the FFL-driven HG-SOC/TME reciprocal signaling network, interfered
345 with the HG-SOC invasive strength (Fig. 4).

346 These observations are aligned with previous findings demonstrating how in HG-SOC the ET-
347 1 elicits pleiotropic effects simultaneously on tumor cells and the host microenvironment,
348 representing a life raft to survive to anti-cancer drugs [24], including the PARPi olaparib [16].
349 Along with these observations, recent reports highlight the potentiality of ET-1R antagonists to
350 abrogate the tumor-supportive features of several components of the TME, including

351 macrophages, fibroblasts and immune cells, suppressing tumor growth [25, 26], and
352 potentiating the efficacy of anti-metastatic drugs, as the immune checkpoint inhibitors (ICI)
353 [27].

354 For the HG-SOC patient clinical management one of the most promising therapeutic
355 approaches approved for the first-line maintenance treatment, is based on the use of
356 angiogenesis targeting agents, as bevacizumab. [28-30]. Related to this aspect, it was
357 reported how this antibody, normalizing the TME, may improve the efficacy of various anti-
358 cancer treatments [31, 32]. Interestingly, anti-angiogenesis therapy, including ET-1R and
359 VEGF blockade, represent one of the tools available to restore T cell infiltration in HG-SOC
360 and could be implemented in combination therapy with ICI [33]. In line with these studies, our
361 results expand the multi-faceted function of ET-1 in orchestrating the tumor/stroma
362 communication supporting the potential role of ET-1R antagonists in effective combination
363 therapy.

364 In order to recreate a valuable tool that allow an in-depth understanding of the cancer-host
365 interaction that take place within the tumor, our future studies will head towards the setting
366 and optimization of PD organotypic experimental models incorporating PD HG-SOC paired
367 tumor cells, generated from primary solid tumors and after recurrence, along with PD TME
368 elements and biomimetic matrices. These models, mirroring the HG-SOC patient features,
369 may be used to refine personalized treatments.

370 Overall, the present study supports the concept that to accomplish long-term successful
371 therapies, the anti-cancer drugs should hit the communication between tumor cells and the
372 surrounding TME elements. In this perspective macitentan, as a dual ET-1R antagonist, holds
373 the power to interfere at once with ET_AR expressed on tumor cells and to prevent the support
374 to the tumor provided by the TME elements, mostly expressing ET_BR, hindering the HG-

375 SOC/TME features related to malignant progression. Our preclinical findings, identifying the
376 intertwined ET-1 and VEGF FFL as two HG-SOC/TME shared vulnerabilities, may provide a
377 clinical guideline to expand and refine the repertoire of treatment strategies in HG-SOC
378 patients with a marked upregulation of the ET-1 system. Therefore, targeting the ET-1R may
379 emerge as an effective therapy for metastasis as it can simultaneously target the HG-SOC
380 cells and potentially normalize the TME.

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399 **Clinical Perspectives**

- 400 • In recent years, the HG-SOC TME has been described to heavily bolster tumor progression
401 and therapy elusion. However, a wide-ranging view of the tumor/TME communication
402 strategies instructed by the ET-1-driven signaling deserve to be further investigated.
- 403 • This research corroborates how at the HG-SOC/TME interface the ET-1/ET-1R and
404 VEGF/VEGFR FFL contribute to fine-tune simultaneously the tumoral and stromal cell
405 secretome towards a pro-invasive pattern, empowering the TME cell pro-invasive behaviour
406 and strengthening HG-SOC progression.
- 407 • From a clinical outlook, the recognition of ET-1R-driven co-regulated FFL as intermediaries
408 of the HG-SOC/TME communication, lay the basis for targeting ET-1R to hinder the
409 tumor/TME communication route.

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428

429 **CRedit Author contributions**

430 P.T. conceptualization, data curation, formal analysis, investigation, methodology, writing
431 original draft and funding acquisition. C.R., R.S., and V.C. investigation, methodology and
432 data curation. A.S. investigation, data curation and software analysis. I.M. data curation,
433 formal analysis and methodology related to RNAseq. G.T. supervision, data curation and
434 formal analysis related to RNAseq. G. B. supervision, writing-review and editing. A.B.
435 conceptualization, data curation, supervision, funding acquisition, project administration and
436 writing-review editing. A.B. and P.T. wrote the paper with input from other authors. All authors
437 critically reviewed the manuscript and approved the submitted version.

438

439 **Competing interest**

440 The authors declare no competing interests

441

442

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447 28919) to P.T.

448

449 **Data availability**

450 All data generated and analysed during the current study are included in this article or from
451 the corresponding authors (A.B. or P.T.) on reasonable request. The raw data are included as
452 supplementary materials. PD-HG-SOC cells will be made available to academic researchers
453 with material transfer agreement. All data and reagents are available from the authors upon
454 request. GSEA: Public available data used in this article were obtained from: GSEA Gene Set
455 Enrichment Analysis (<https://www.gsea-msigdb.org/gsea/index.jsp>).

456

457 **Code availability**

458 The RNA-seq data have been deposited at the GEO repository database with the accession
459 code GSE268498.

460

461 **Ethics Approval**

462 Ascitic fluids samples were obtained with the written consent of HG-SOC patients undergoing
463 surgery for ovarian tumor at the Gynecological Oncology of IRCCS, Regina Elena National

464 Cancer Institute of Rome. The study protocol for ascites collection and clinical information
465 was approved by the Regina Elena Cancer Institute review board (IRB). All protocols
466 involving human specimens are compliant with all relevant ethical regulations.

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483 **Abbreviations**

484 HG-SOC, high-grade serous ovarian cancer; TME, tumor microenvironment; ET-1,
485 endothelin-1; ET-1R, endothelin-1 receptors; FFL, feed-forward loops; PD, patient-derived;
486 VEGF, vascular endothelial growth factor; EC, endothelial cells; VEGFR1, vascular
487 endothelial growth factor 1; VEGFR2, vascular endothelial growth factor 2; ECM, extracellular
488 matrix; ET_AR, endothelin-1 A receptor; ET_BR, endothelin-1 B receptor; HIF-1 α , hypoxia
489 inducible factor-1 α ; IRB, Regina Elena Institutional Review Board; IB, Immunoblotting; ECL,
490 enhanced chemiluminescence; CM, conditioned media; TMM, trimmed-mean of M-values;
491 RIN, RNA Integrity Number; RPKM, Reads Per Kilobase Million; CPM, Counts Per Million;
492 GLM, Generalized Linear Model; LF, Likelihood F; SD, standard deviation; GSEA, gene set
493 enrichment analysis; CAF, cancer associated fibroblasts; ICI, immune checkpoint inhibitors;
494 AIRC, Italian Foundation for Cancer Research.

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621 **Figure legends**

622 **Fig. 1. The ET-1/ET-1R FFL intertwines with the VEGF/VEGFR axis and sustains pro-**
623 **survival pathways in HG-SOC cells and stromal elements.** (A). Box-plot of *VEGFA* levels
624 (expressed in reads for kilo base million) in RNAseq-analysed PD-HG-SOC cells stimulated
625 or not with ET-1 (100 nM) or treated with macitentan (MAC, 1 μ m) plus ET-1 for 24 hours (h).
626 (B) ET-1 enriches the *VEGFA* associated gene signature in PD-HG-SOC cells. GSEA in cells
627 stimulated with ET-1 or treated with MAC plus ET-1 for 24 h with the normalized enrichment
628 score (NES). (C) Immunoblotting (IB) analysis for ET-1, ET_AR, ET_BR, VEGF, VEGFR1,
629 VEGFR2, in total extracts of patient-derived (PD) HG-SOC cells, endothelial cells (EC) and
630 activated fibroblasts. Tubulin was used as a loading control. (D, E) IB analysis for HIF-1 α and
631 VEGF (D) or HIF-1 α and ET-1 (E) in total extracts of PD-HG-SOC cells, EC and activated
632 fibroblasts stimulated with ET-1 or treated with MAC for 24 h (D) or stimulated with VEGF and
633 treated with bevacizumab for 24 h (E). Tubulin was used as a loading control. (F). IB analysis
634 for pMAPK, MAPK, pAKT and AKT in total extracts of PD-HG-SOC cells, EC and activated
635 fibroblasts stimulated with ET-1 or VEGF (50 ng/ml) for 30 minutes (min) or treated for 30 min
636 with macitentan or bevacizumab (250 μ g/ml). Tubulin was used as a loading control.

637
638 **Fig. 2. The ET-1/ET-1R FFL fine-tunes the tumoral and stromal cell secretome.** (A-C)
639 Heatmap of the mean standardized fluorescence intensity of 17 cytokines in PD-HG-SOC, 18
640 cytokines in EC and activated fibroblasts conditioned media (CM) stimulated or not with ET-1
641 for 24 h or treated with MAC+ET-1 for 24 h. Factors were clustered based on Euclidean
642 distance. Cytokine and chemokine expression, evaluated under different conditions, were
643 standardized by rows and represented as a heatmap, with a color scale from green (lower
644 levels) to red (higher levels). The heatmaps were generated using the Matlab R2023b

645 program. (D). Venn diagram indicating the factors communally released by PD-HGSOC cells
646 (light blue), EC (yellow) and activated fibroblasts (pink). (E, F) ELISA for ET-1 (E) and VEGF
647 (F) released by PD-HG-SOC cells, EC and activated fibroblasts in single cell culture, or in PD-
648 HG-SOC/EC or PD-HG-SOC/activated fibroblasts double cell culture, or PD-HG-
649 SOC/EC/activated fibroblasts triple cell culture, stimulated or not with ET-1 for 24 h or treated
650 with MAC or bevacizumab alone or in combination for 24 h. Bars are means \pm SD (**E**:
651 * $p < 0.003$ vs. untreated single cell culture; ** $p < 0.002$ vs. untreated double or triple co-
652 culture; $n=3$. **F**: * $p < 0.003$ vs. ET-1 untreated single cell culture; ** $p < 0.004$ vs. ET-1 or MAC
653 or bevacizumab untreated double or triple cell co-culture; $n = 3$).

654

655 **Fig. 3. Macitentan, blocking the ET-1/ET-1R and VEGF/VEGFR FFL, prevents HG-SOC**
656 **invasion.** (A) Tube formation assay of EC stimulated or not with ET-1 or exposed to the CM
657 derived by PD-HG-SOC cells or fibroblasts pre-treated or not with MAC or bevacizumab.
658 Representative images of the tubes were photographed (scale bar: 100 μ m, magnification
659 20X; $n=3$). (B) Collagen contraction assay of activated fibroblasts stimulated or not with ET-1
660 or exposed to the CM derived by PD-HG-SOC cells or EC pre-treated or not with MAC or
661 bevacizumab. Images of the collagen contraction assay are representative of 3 independently
662 performed experiments (*left panels*). The *right graph* indicates the collagen gel area. Bars are
663 means \pm SD (* $p < 0.0002$ vs. not stimulated fibroblasts; ** $p < 0.0002$ vs. activated fibroblasts
664 stimulated with CM derived from PD-HG-SOC cells or EC not pre-treated with MAC or
665 bevacizumab; $n=3$). (C) Representative images of 3D hybrid PD-HG-SOC/activated
666 fibroblasts spheroids sprouting into the surrounding matrix upon stimulation with exogenous
667 ET-1 or upon treatment with MAC or bevacizumab for 48 h (scale bar: 100 μ m, magnification
668 10X). *Right graph*, quantification of cumulative sprout length (μ M). Bars are means \pm SD

669 (*p < 0.03 vs. untreated spheroids; n = 3). (D, E) Migration and invasion assays of PD HG-
670 SOC cells stimulated or not with ET-1, or treated with MAC or bevacizumab for 48 h.
671 Representative images of migratory and invading cells were photographed (scale bar:
672 100 µm, magnification 20X) (*upper panels*) or counted (*bottom graphs*). Bars are means ± SD
673 (*p < 0.0006 vs. CTR; n = 3).

674

675 **Fig. 4. Graphic model depicting the role of the ET-1/ET-1R and VEGF/VEGFR FFL at the**
676 **root of the HG-SOC/TME communication.** The ET-1/ET-1R axis, directing the activation of
677 the interweaved ET-1/ET-1R and VEGF/VEGFR FFL, concurrently in PD-HG-SOC cells, EC
678 and activated fibroblasts, fine-tunes the tumoral and stromal cell secretome towards a pro-
679 tumoral configuration and reawakens the neighbouring TME cells to establish a tumor
680 supportive niche, empowering HG-SOC progression. Of clinical impact, macitentan, shutting
681 down the ET-1/ET-1R-driven signals, halts the HG-SOC invasive and metastatic potential.
682 This knowledge emphasizes how a more effective treatment schedule for HG-SOC should be
683 centred on the use of tumor/TME simultaneously targeting therapeutics, as the dual ET-1R
684 antagonist macitentan able to turn off the aberrantly activated signals in the HG-SOC cells but
685 also in the TME.

686 Part of the figure is drawn using pictures from Servier Medical Art (<https://smart.servier.com>),
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688 (<https://creativecommons.org/licenses/by/3.0>).

Figure 1

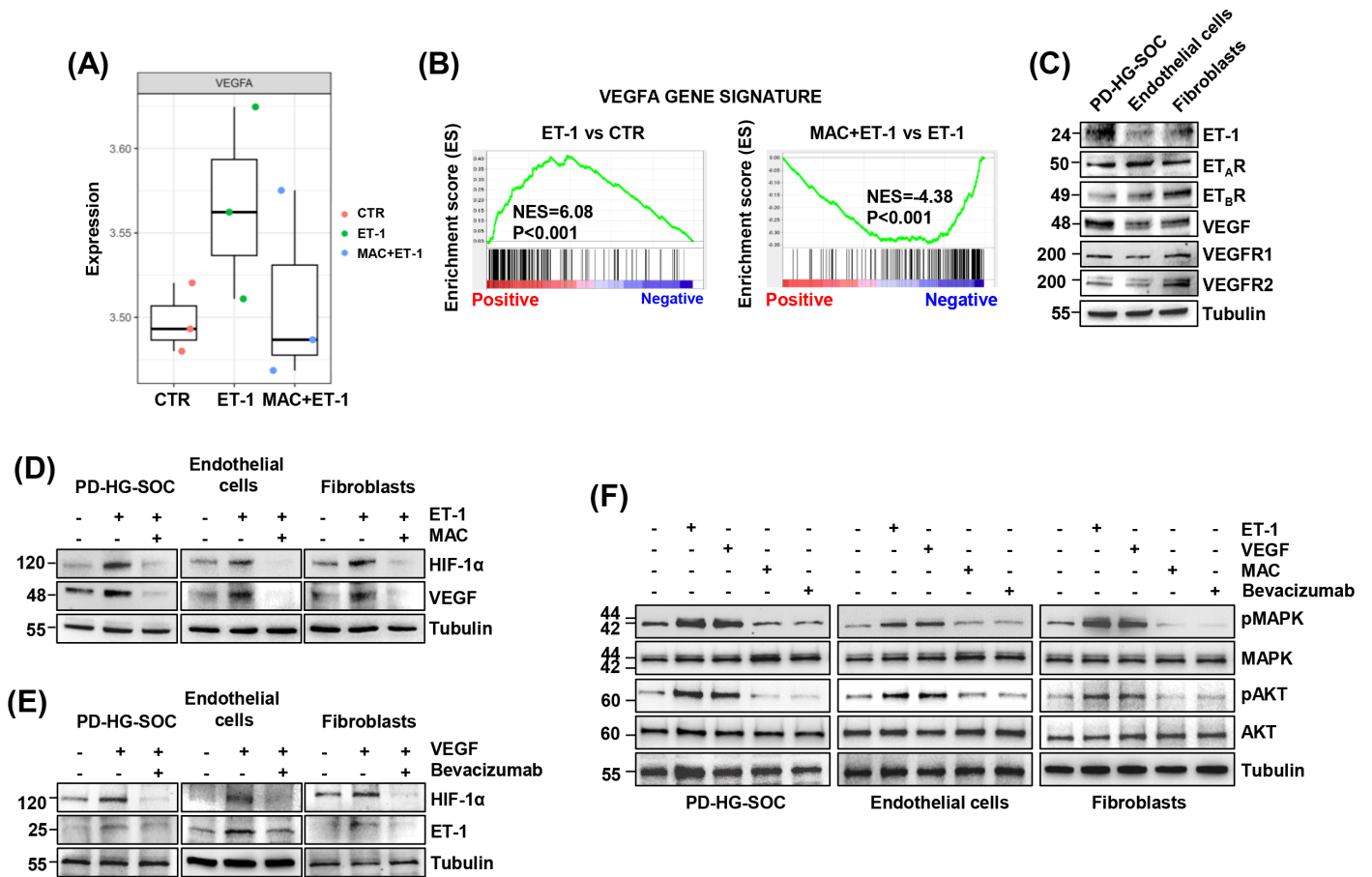


Figure 2

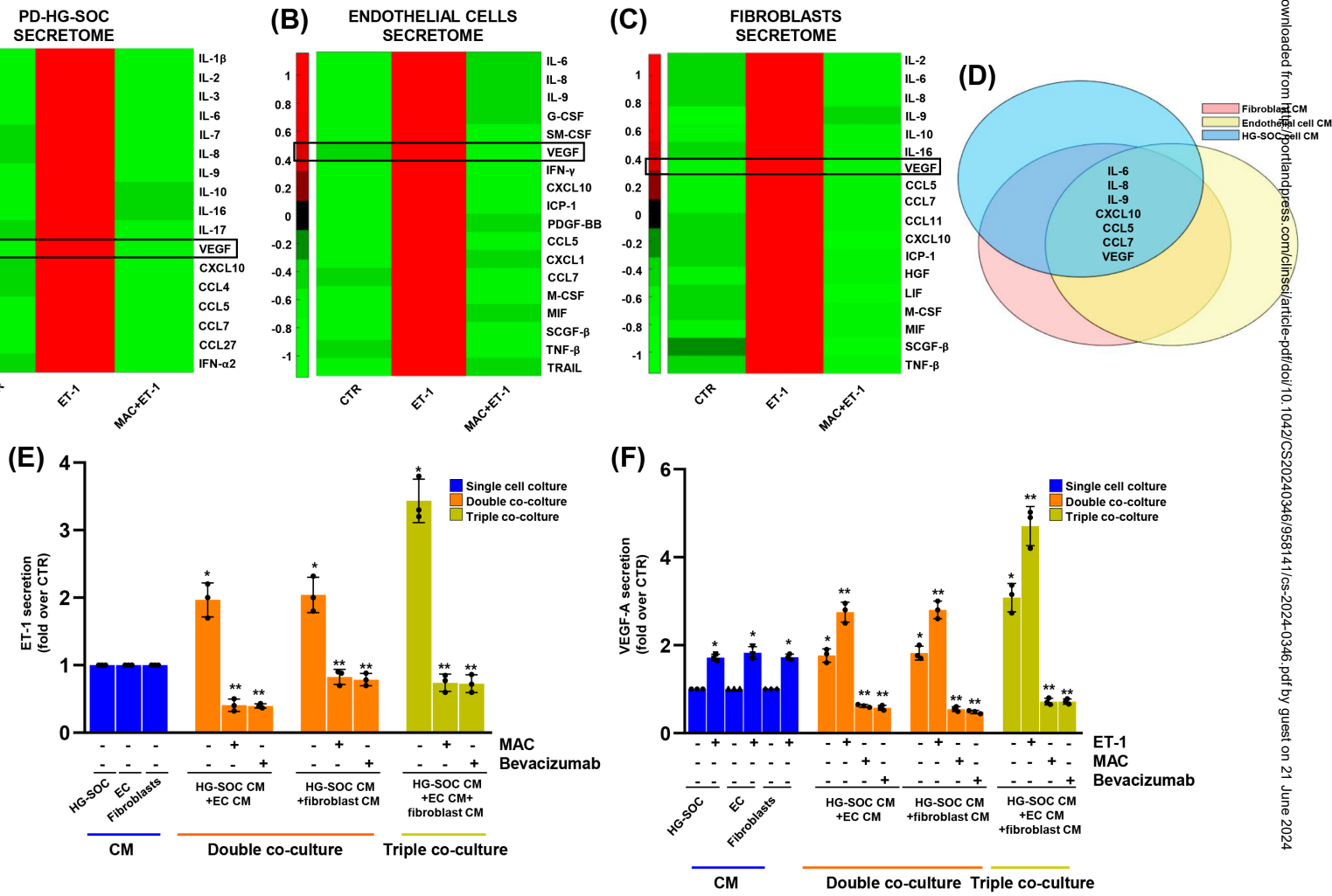


Figure 3

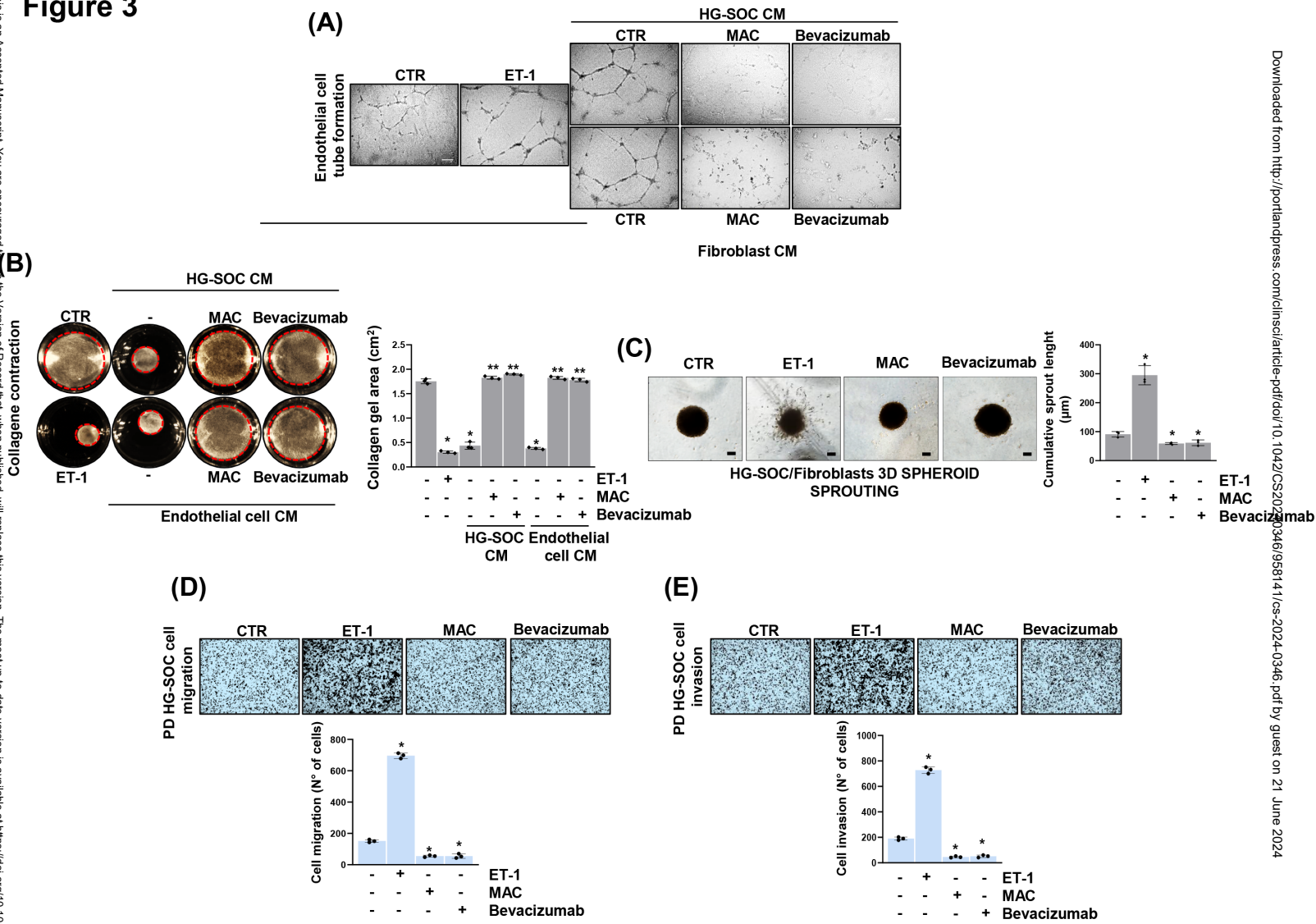
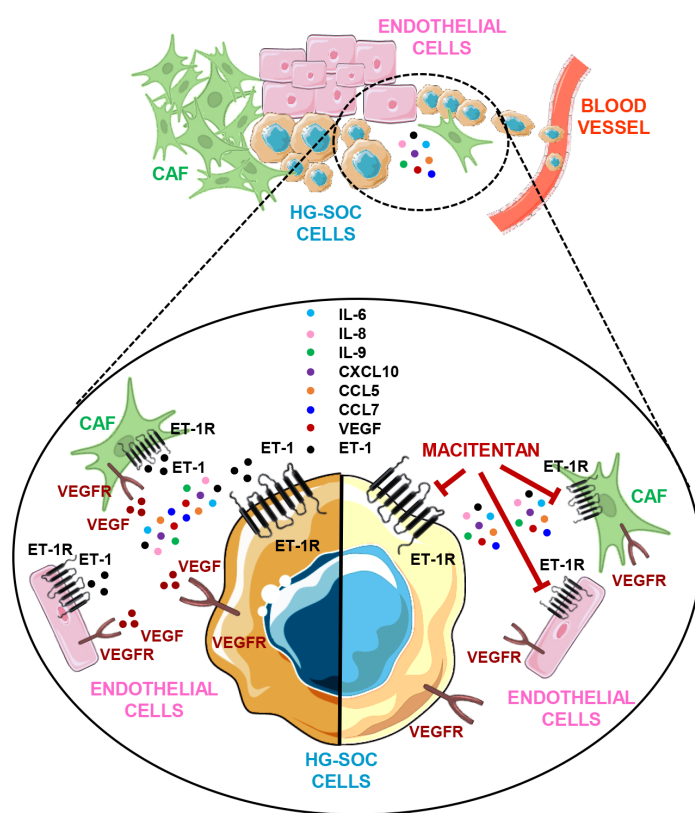


Figure 4



Supplementary Information

The endothelin-1-driven tumor-stroma feed-forward loops in high-grade serous ovarian cancer

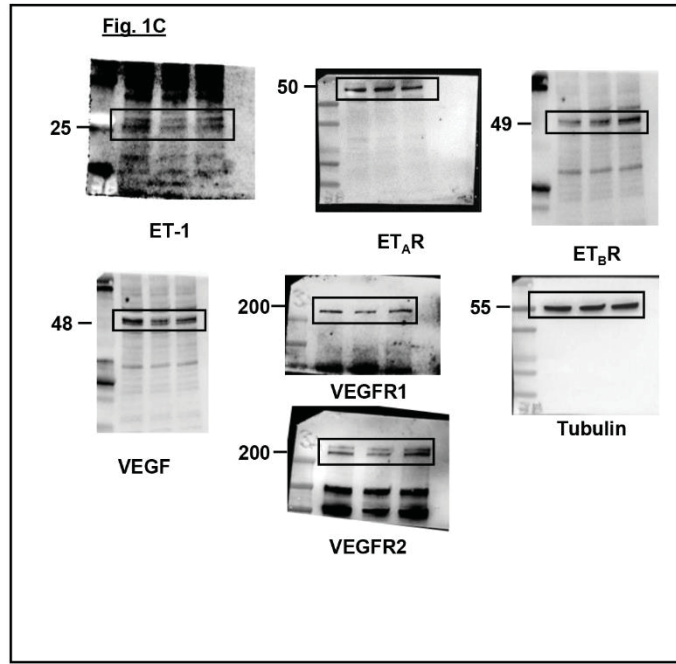
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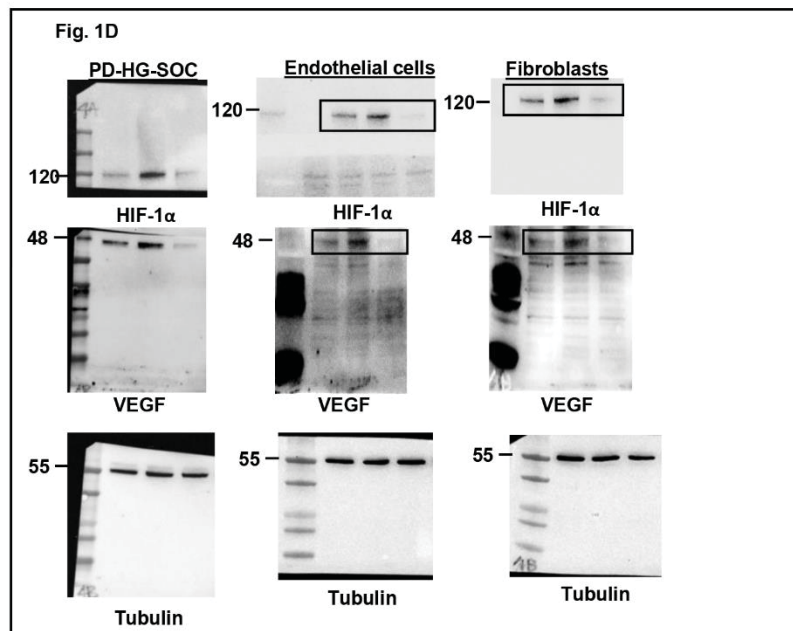
*Correspondence: Anna Bagnato (annateresa.bagnato@ifo.it) or Piera Tocci (piera.tocci@ifo.it).

Uncropped western blots

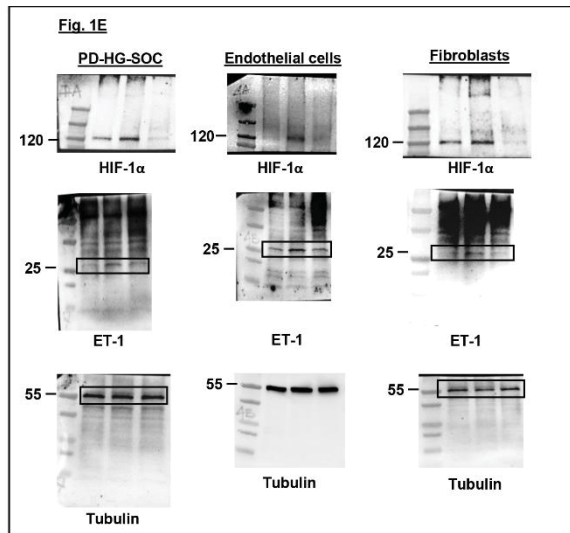
Supplementary Fig. 1. Uncropped western blots of Fig. 1C



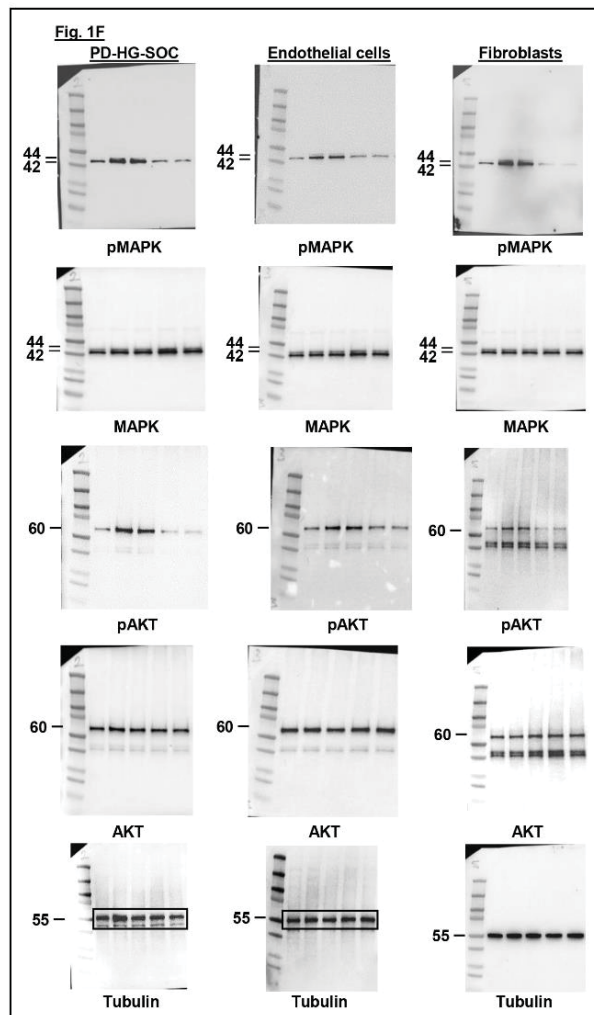
Supplementary Fig. 2. Uncropped western blots of Fig. 1D



Supplementary Fig. 3. Uncropped western blots of Fig. 1E



Supplementary Fig. 4. Uncropped western blots of Fig. 1F



Differential gene expression measures in patient-derived HG-SOC cells treated with MAC+ET1 vs ET1

GeneID	logFC	Pvalue	Pvalue_adj	mark_seqc
RPL13P12	0.478758	2.67E-06	0.010483	0
FTL	0.494096	2.72E-06	0.010483	0
SLC39A10	-0.60342	3.65E-06	0.010483	0
GFY	0.524398	4.86E-06	0.010483	0
SNCG	0.522496	5.13E-06	0.010483	0
RPS3A	0.451524	5.43E-06	0.010483	0
MKI67	-0.55094	6.16E-06	0.010483	0
GSTM2	0.502461	6.29E-06	0.010483	0
FANCL	-0.89772	7.58E-06	0.011227	0
RMRP	2.638955	1.21E-05	0.01609	1
EFEMP2	0.495471	1.36E-05	0.016479	0
RPL41	0.440176	1.64E-05	0.018231	0
MDK	0.432656	1.95E-05	0.019954	0
TOP2A	-0.60772	2.12E-05	0.020159	0
CENPF	-0.76816	2.42E-05	0.021492	0
ACSF2	0.480432	3.06E-05	0.025497	0
RPS27	0.420664	3.4E-05	0.026661	0
RPS25	0.397736	4.15E-05	0.027606	0
HMG5	0.743456	4.23E-05	0.027606	0
SERF2	0.392656	4.29E-05	0.027606	0
IGFBP6	0.575259	4.53E-05	0.027606	0
SGCA	0.44934	4.78E-05	0.027606	0
FBXO2	0.540076	5.08E-05	0.027606	0
TSC22D3	0.534116	5.12E-05	0.027606	0
AC012360	-0.88386	5.18E-05	0.027606	0
HSD17B14	0.494465	5.45E-05	0.027925	0
APOE	0.433548	6.81E-05	0.028827	0
ICAM4	0.544601	6.95E-05	0.028827	0
CUEDC2	0.436788	7.14E-05	0.028827	0
SRSF1	-0.53357	7.35E-05	0.028827	0
TM7SF2	0.527287	7.46E-05	0.028827	0
ZWILCH	-0.70187	7.49E-05	0.028827	0
EMP3	0.379725	7.84E-05	0.028827	0
RPL35	0.371186	7.94E-05	0.028827	0
PRPH	0.562994	8E-05	0.028827	0
RPS7	0.359914	8.18E-05	0.028827	0
SMG1	-0.46994	8.29E-05	0.028827	0
S100A1	0.410305	8.61E-05	0.028827	0
CBY1	0.414391	8.72E-05	0.028827	0
SLTM	-0.4774	9.23E-05	0.028827	0
EBP	0.411776	9.25E-05	0.028827	0
AC011603	-1.49052	9.4E-05	0.028827	-1
RANBP6	-0.60438	9.5E-05	0.028827	0

RRAS	0.474897	9.85E-05	0.028827	0
CPT1A	0.375284	9.92E-05	0.028827	0
DDAH2	0.429772	0.000101	0.028827	0
VMO1	0.426029	0.000104	0.028827	0
AL365181	0.415742	0.000104	0.028827	0
PINK1	0.476558	0.000107	0.028852	0
NUPR1	0.605527	0.000108	0.028852	0
MACROD1	0.609775	0.000118	0.029974	0
ADSS	-0.46709	0.00012	0.029974	0
EPHX1	0.394071	0.000121	0.029974	0
UPK3B	0.599341	0.000121	0.029974	0
MYL6	0.364956	0.000128	0.030505	0
NCAPG	-0.532	0.000129	0.030505	0
COX7A2L	0.367424	0.000131	0.030505	0
NEU1	0.394945	0.000138	0.030505	0
DPEP1	0.608438	0.000139	0.030505	0
AL138963	-1.24281	0.000146	0.030505	-1
RPL36	0.341249	0.000146	0.030505	0
POLD2	0.375775	0.000146	0.030505	0
DBI	0.377016	0.000147	0.030505	0
RPS10	0.444046	0.000148	0.030505	0
S100A6	0.396454	0.000152	0.030505	0
AC091057	-0.66244	0.000157	0.030505	0
DEPDC1	-0.57877	0.000162	0.030505	0
SLC6A9	0.444911	0.000164	0.030505	0
AIP	0.427642	0.000166	0.030505	0
DNA2	-0.54789	0.000166	0.030505	0
CERCAM	0.407607	0.000167	0.030505	0
ESPL1	-0.36008	0.00017	0.030505	0
CDCA7	-0.43196	0.000172	0.030505	0
PTRHD1	0.355983	0.000173	0.030505	0
NUP43	-0.48706	0.000176	0.030505	0
PSMA1	-0.49488	0.000181	0.030505	0
ARHGEF40	0.412997	0.000184	0.030505	0
TPPP3	1.12446	0.000184	0.030505	1
PFDN5	0.350787	0.000185	0.030505	0
PLD3	0.387338	0.000185	0.030505	0
LAMTOR2	0.360497	0.000185	0.030505	0
BAD	0.388362	0.00019	0.030505	0
CD63	0.403535	0.00019	0.030505	0
IFI27L2	0.508547	0.000193	0.030505	0
CSE1L	-0.44782	0.000197	0.030505	0
CCNB1	-0.37885	0.000199	0.030505	0
KNL1	-0.57346	0.0002	0.030505	0

RPLP1	0.316434	0.000201	0.030505	0
ANXA9	0.406059	0.000207	0.031067	0
XIST	-0.57242	0.000214	0.031448	0
UBXN6	0.415435	0.000219	0.031448	0
FAM71E1	0.560107	0.00022	0.031448	0
SERPINF1	0.330302	0.000221	0.031448	0
MTND1P2	0.327283	0.000226	0.031448	0
CAPG	0.478122	0.000227	0.031448	0
MPDU1	0.377018	0.000229	0.031448	0
P3H3	0.396665	0.00023	0.031448	0
CCDC14	-0.55027	0.000231	0.031448	0
ZNF165	-1.37011	0.000238	0.032068	-1
SMARCD3	0.38395	0.000249	0.033219	0
TOMM5	0.880594	0.000255	0.033336	0
MAGED2	0.377634	0.000255	0.033336	0
GLIS2	0.409055	0.000258	0.033336	0
ISYNA1	0.38571	0.000263	0.033768	0
BLVRB	0.391191	0.000271	0.034158	0
YIPF2	0.404067	0.000272	0.034158	0
LMAN2	0.358475	0.000276	0.034158	0
MPG	0.4009	0.000278	0.034158	0
NDUFA3	0.365801	0.000279	0.034158	0
RPL26	0.437978	0.000285	0.034549	0
MIF	0.382526	0.000293	0.035181	0
PARP2	-0.4553	0.000298	0.035181	0
NDUFS8	0.353847	0.000298	0.035181	0
ADGRE5	0.372569	0.00031	0.035516	0
LINC01572	-1.10537	0.00031	0.035516	-1
FAM83D	-0.45681	0.000312	0.035516	0
FANCI	-0.44784	0.000314	0.035516	0
NDUFB7	0.384878	0.000314	0.035516	0
ROGDI	0.452046	0.000321	0.035952	0
SIDT2	0.377065	0.000324	0.035952	0
TNNT1	0.35797	0.000328	0.035952	0
KIF20A	-0.38064	0.000331	0.035952	0
NDUFA1	0.373342	0.000332	0.035952	0
APOC1	0.368762	0.000336	0.036162	0
RPL9	0.336973	0.000342	0.03621	0
EIF3E	0.393365	0.000342	0.03621	0
RND2	0.419559	0.00035	0.03631	0
DHCR7	0.334262	0.000351	0.03631	0
AHSA2P	-0.49233	0.000351	0.03631	0
PRSS8	0.500018	0.000361	0.036687	0
RINT1	-0.55271	0.000362	0.036687	0

NAA38	0.359364	0.000366	0.036687	0
HLA-DMA	0.445618	0.00037	0.036687	0
PRDX5	0.361739	0.000371	0.036687	0
GOLGA8A	-0.60731	0.000371	0.036687	0
DARS2	-0.39535	0.000378	0.037012	0
EXOSC9	-0.4771	0.000398	0.037632	0
MRPL52	0.341903	0.0004	0.037632	0
PYCARD	0.435231	0.000402	0.037632	0
BUB3	-0.38457	0.000402	0.037632	0
C1orf54	0.413002	0.000402	0.037632	0
ACSS2	0.372686	0.000404	0.037632	0
VPS72	0.331611	0.000405	0.037632	0
TAF5	-0.55165	0.000409	0.037632	0
RPS20	0.318009	0.000415	0.037632	0
ZDHHC17	-0.58323	0.000416	0.037632	0
SMC3	-0.57471	0.000419	0.037632	0
PROCR	0.347908	0.000424	0.037632	0
NQO1	0.322351	0.000424	0.037632	0
TKT	0.345453	0.000426	0.037632	0
TROAP	-0.3649	0.000426	0.037632	0
CCDC47	-0.40768	0.000432	0.037931	0
MFS1	-0.48257	0.00044	0.03813	0
CCDC115	0.333905	0.00044	0.03813	0
S100A16	0.367736	0.000454	0.039018	0
GUF1	-0.45237	0.000459	0.039108	0
AURKA	-0.41327	0.000461	0.039108	0
UBXN1	0.325173	0.000467	0.039266	0
NUCB1	0.375327	0.000469	0.039266	0
CA11	0.352028	0.000471	0.039266	0
SHCBP1	-0.4388	0.000481	0.039353	0
ECHDC1	-0.56815	0.000481	0.039353	0
ZMAT5	0.423344	0.000481	0.039353	0
DMAC1	0.404896	0.00049	0.03981	0
GPBP1	-0.49447	0.000499	0.039957	0
CERS4	0.43429	0.000499	0.039957	0
RPS3	0.322662	0.000517	0.039957	0
PCK2	0.390457	0.000518	0.039957	0
GLMP	0.346102	0.000519	0.039957	0
FIS1	0.376177	0.000521	0.039957	0
SCG2	-0.95686	0.000524	0.039957	0
SNHG1	-0.47316	0.000526	0.039957	0
MEIS3	0.461053	0.000529	0.039957	0
HSD3B7	0.354224	0.000532	0.039957	0
STX8	0.411444	0.000533	0.039957	0

PLK4	-0.56533	0.000535	0.039957	0
PLA2G4C	0.414185	0.000537	0.039957	0
MVP	0.438575	0.000537	0.039957	0
WDHD1	-0.49064	0.00054	0.039957	0
FBXO9	-0.35287	0.000541	0.039957	0
SQSTM1	0.339511	0.000545	0.039957	0
TMEM70	-0.48679	0.000545	0.039957	0
NDC80	-0.52279	0.000554	0.040355	0
GGT1	0.418438	0.00056	0.040576	0
TMEM141	0.460201	0.000571	0.041151	0
CCNB2	-0.46191	0.00058	0.041405	0
UROD	0.367809	0.000581	0.041405	0
RPS2P5	0.344551	0.000588	0.041625	0
TMIGD2	0.559385	0.00059	0.041625	0
CAPNS1	0.317612	0.000602	0.042266	0
MSH2	-0.41027	0.00061	0.042465	0
SELENOM	0.371633	0.000612	0.042465	0
TPX2	-0.33896	0.000622	0.042949	0
POLG2	-0.50558	0.000625	0.042962	0
MAPK3	0.352292	0.000629	0.042992	0
QPRT	0.335438	0.000632	0.042992	0
GIP	0.565592	0.00064	0.043098	0
MAF1	0.357245	0.000645	0.043098	0
TLE2	0.340308	0.000647	0.043098	0
MRPL34	0.317478	0.000648	0.043098	0
MAMSTR	0.377018	0.000654	0.043098	0
FADS2	0.337953	0.000657	0.043098	0
HECTD3	0.358314	0.000659	0.043098	0
ABHD4	0.381508	0.00066	0.043098	0
OCEL1	0.425058	0.000663	0.043098	0
KIF15	-0.4976	0.00067	0.043099	0
PRRC2C	-0.322	0.000672	0.043099	0
RPLP0	0.319968	0.000672	0.043099	0
KIF18A	-0.76991	0.00068	0.043409	0
AL031729.	0.909206	0.000688	0.043695	0
STPG3	0.490196	0.000702	0.044336	0
KNTC1	-0.45609	0.000709	0.044395	0
ASPM	-0.71257	0.000711	0.044395	0
ARHGAP19	-0.39566	0.000716	0.044395	0
MTF2	-0.42142	0.000718	0.044395	0
HIST1H2BI	0.491692	0.000719	0.044395	0
ZNF121	-0.50684	0.000725	0.044395	0
API5	-0.43735	0.000726	0.044395	0
OST4	0.302642	0.000733	0.044465	0

ALDH3B1	0.524186	0.000738	0.044465	0
PHPT1	0.349538	0.000743	0.044465	0
HMGB1P6	-0.62357	0.000743	0.044465	0
CIB2	0.358309	0.000744	0.044465	0
KRT18	0.326187	0.00075	0.044628	0
KDELR1	0.306026	0.000763	0.045217	0
GRN	0.342682	0.000766	0.045217	0
PTMS	0.336383	0.000776	0.045575	0
ZBTB42	0.497595	0.000786	0.045951	0
AGTRAP	0.417432	0.000791	0.046041	0
NEMP1	-0.42395	0.000794	0.046041	0
CAPN1	0.333903	0.000802	0.046151	0
POLQ	-0.52648	0.000803	0.046151	0
DMTF1	-0.46414	0.000818	0.04682	0
DEPDC7	-0.88578	0.000825	0.046991	0
EXOC7	0.308389	0.000832	0.046991	0
LGALS1	0.349739	0.000839	0.046991	0
FARSB	-0.42418	0.00084	0.046991	0
DEPDC1B	-0.5548	0.000845	0.046991	0
PLEKHB1	0.352788	0.000846	0.046991	0
GET3	0.362615	0.000847	0.046991	0
AC015813	-0.49669	0.000849	0.046991	0
PCYT2	0.32349	0.000856	0.047027	0
TMEM120	0.34365	0.000857	0.047027	0
CRABP2	0.305843	0.000861	0.047064	0
AL033519	0.748373	0.000886	0.047931	0
UQCRHL	0.427909	0.000887	0.047931	0
GPSM2	-0.38524	0.000888	0.047931	0
BIRC6	-0.34357	0.000895	0.048093	0
GPANK1	0.368385	0.000902	0.04828	0
MFAP2	0.340727	0.000906	0.048305	0
IQSEC2	0.315367	0.000911	0.048403	0
RPL5P12	0.47079	0.00092	0.04853	0
CDCA2	-0.50871	0.000921	0.04853	0
LRP12	-0.48799	0.000932	0.048848	0
SGMS1-AS	-0.47611	0.000934	0.048848	0
FAM167B	0.392608	0.000945	0.049218	0
RPS2	0.313972	0.000954	0.049369	0
ZNF12	-0.43243	0.000966	0.049369	0
SOCS4	-0.47427	0.000972	0.049369	0
RNF181	0.341407	0.00098	0.049369	0
KPNA2	-0.40047	0.000983	0.049369	0
HOMER3	0.447221	0.000993	0.049369	0
SLF1	-0.56412	0.001004	0.049369	0

EFHC1	-0.5975	0.001007	0.049369	0
MIEN1	0.365597	0.001007	0.049369	0
ERP29	0.303331	0.001008	0.049369	0
TNNI3	0.413076	0.00101	0.049369	0
TMED1	0.365854	0.00101	0.049369	0
KAT5	0.331771	0.001014	0.049369	0
SERPING1	0.358973	0.001014	0.049369	0
AC087190	-0.39652	0.001017	0.049369	0
ATRAID	0.311485	0.00102	0.049369	0
CNTRL	-0.58647	0.001025	0.049369	0
NUP155	-0.42632	0.001026	0.049369	0
FBXO43	-0.61834	0.001026	0.049369	0
MXD4	0.339258	0.001034	0.049369	0
SNAI3-AS1	0.465333	0.00104	0.049369	0
NOL9	-0.39685	0.001041	0.049369	0
KRT8	0.319695	0.001043	0.049369	0
PSMD12	-0.36796	0.001043	0.049369	0
CDC7	-0.604	0.001044	0.049369	0
ATP6V1F	0.308925	0.001044	0.049369	0
TCN2	0.54777	0.001063	0.049886	0
TPP2	-0.38701	0.001063	0.049886	0
HSP90B1	-0.36605	0.001066	0.049886	0
SLC50A1	0.318207	0.001076	0.050009	0
CD52	0.549938	0.001082	0.050009	0
SRSF2	-0.3586	0.001082	0.050009	0
SMC2	-0.5064	0.001084	0.050009	0
CCDC151	0.415082	0.001095	0.050365	0
MFSD8	-0.47704	0.001102	0.050493	0
ABHD14A	0.39824	0.001119	0.050992	0
KIF2A	-0.43004	0.001121	0.050992	0
AL391684	-1.02544	0.001129	0.051211	-1
CLDN12	-0.40186	0.001153	0.051847	0
CPSF3	-0.36298	0.001155	0.051847	0
SERPINH1	0.302389	0.001155	0.051847	0
BUB1	-0.45989	0.00119	0.052878	0
MLST8	0.312408	0.001192	0.052878	0
RRP15	-0.44031	0.001197	0.052878	0
SPAG5	-0.35133	0.001202	0.052878	0
CCNA2	-0.42958	0.001204	0.052878	0
TEX45	0.783635	0.001205	0.052878	0
FAM89B	0.365727	0.001206	0.052878	0
CIT	-0.3378	0.00121	0.052878	0
PNKP	0.312179	0.001228	0.053498	0
APOC1P1	0.608006	0.001236	0.053517	0

FAM184A	-0.98282	0.001237	0.053517	0
C7orf50	0.317621	0.00124	0.053517	0
REXO5	-0.47004	0.001244	0.053517	0
PAXBP1	-0.4722	0.001251	0.053613	0
PTCD3	-0.34844	0.00126	0.053737	0
MXRA8	0.303943	0.001262	0.053737	0
MAPK12	0.332433	0.001286	0.054604	0
MGMT	0.335154	0.001295	0.054792	0
HEXIM2	0.357831	0.00131	0.055252	0
CORO1B	0.349183	0.001314	0.055252	0
DDHD1	-0.43539	0.00133	0.055586	0
TUBB7P	0.785223	0.00133	0.055586	0
BAZ2B	-0.48609	0.001339	0.055717	0
SLC25A36	-0.38564	0.001341	0.055717	0
RAC3	0.304863	0.00135	0.055879	0
CKM	0.549585	0.001362	0.056103	0
TYROBP	0.373416	0.001368	0.056103	0
BUB1B	-0.43244	0.00137	0.056103	0
VAT1	0.319741	0.001372	0.056103	0
NYNRIN	0.367366	0.001376	0.056103	0
RPRD1A	-0.40253	0.001391	0.056426	0
TMEM150	0.358519	0.001396	0.056426	0
ZDHHC6	-0.40631	0.0014	0.056426	0
ZFAND2B	0.369545	0.001406	0.056426	0
AGPAT5	-0.40964	0.001409	0.056426	0
CALR	0.287403	0.001409	0.056426	0
BIRC2	-0.39925	0.001419	0.056657	0
PEX14	0.325871	0.001435	0.057054	0
FBXO5	-0.43001	0.001438	0.057054	0
ZNF296	0.377231	0.001445	0.057088	0
BTAF1	-0.36518	0.001447	0.057088	0
C16orf89	0.53868	0.001462	0.057305	0
TUBA1A	0.274004	0.001465	0.057305	0
IMPDH2	0.280574	0.001468	0.057305	0
NAA80	0.441317	0.00147	0.057305	0
ALDOA	0.414717	0.001484	0.057595	0
WDR13	0.342536	0.001486	0.057595	0
EZH2	-0.36096	0.001496	0.057831	0
LAMTOR1	0.296619	0.001501	0.057853	0
PPP2R1B	-0.37751	0.001517	0.058278	0
SSR4	0.309569	0.001529	0.058492	0
MRPL17	0.308736	0.001531	0.058492	0
OSGIN1	0.446857	0.001536	0.058525	0
NDUFA6-D	0.601238	0.001542	0.05856	0

VWA1	0.337968	0.001547	0.058565	0
LRPPRC	-0.30851	0.001555	0.058565	0
KIF11	-0.45949	0.001567	0.058565	0
PLAT	0.354488	0.001569	0.058565	0
CENPP	-0.59452	0.001574	0.058565	0
TRUB2	0.293065	0.001576	0.058565	0
PNN	-0.43609	0.001581	0.058565	0
KIF23	-0.41002	0.001581	0.058565	0
LBR	-0.34043	0.001585	0.058565	0
TBCC	0.31717	0.001591	0.058565	0
PQBP1	0.307365	0.001592	0.058565	0
C5orf51	-0.4786	0.001594	0.058565	0
ECH1	0.295324	0.001602	0.058567	0
CENPC	-0.56613	0.001603	0.058567	0
CRYL1	0.392362	0.001616	0.058707	0
RANBP17	-0.56592	0.001617	0.058707	0
NAPA-AS1	0.46336	0.001624	0.058707	0
NUP107	-0.39053	0.001638	0.058707	0
S100A13	0.279807	0.001644	0.058707	0
VPS51	0.344274	0.001648	0.058707	0
CEP152	-0.77032	0.001651	0.058707	0
RNASEH1	-0.36733	0.001651	0.058707	0
PPP2R2A	-0.37575	0.001652	0.058707	0
ERGIC3	0.288644	0.001653	0.058707	0
RTN2	0.314736	0.001661	0.058707	0
HSPE1	-0.40568	0.001664	0.058707	0
AC015871	-0.7112	0.001664	0.058707	0
CRIP2	0.38544	0.001681	0.059153	0
RPL8	0.299372	0.001686	0.059169	0
HJURP	-0.35533	0.001697	0.059386	0
RAB34	0.303155	0.001718	0.059557	0
GRINA	0.298325	0.001722	0.059557	0
PRKCH	-0.43669	0.001725	0.059557	0
CUTA	0.280476	0.001726	0.059557	0
ITM2C	0.319164	0.001727	0.059557	0
AC010761	-1.76549	0.001731	0.059557	-1
CCS	0.343024	0.001733	0.059557	0
ZNF638	-0.46352	0.001745	0.059809	0
AP003352	-1.91426	0.001766	0.060336	-1
TMSB10	0.284202	0.001769	0.060336	0
DHRS4L2	0.504691	0.001775	0.060367	0
USF3	-0.38973	0.001795	0.060876	0
RFXANK	0.314329	0.001799	0.060876	0
EXOSC8	-0.38487	0.001805	0.060931	0

CCNL1	-0.43005	0.00182	0.061263	0
FTLP3	0.662392	0.001829	0.061425	0
CLIC3	0.95405	0.001834	0.061425	0
CYP1A1	0.581877	0.001842	0.061426	0
COX5B	0.28197	0.001843	0.061426	0
CD74	0.296947	0.001855	0.061426	0
MCRIP1	0.315466	0.001856	0.061426	0
DHX15	-0.38918	0.001857	0.061426	0
TTN-AS1	-0.3912	0.001864	0.061506	0
CTSB	0.279355	0.001874	0.061528	0
TARDBP	-0.35911	0.001878	0.061528	0
PCF11	-0.36751	0.001878	0.061528	0
PPDPF	0.313081	0.001883	0.061531	0
SMC4	-0.38885	0.001898	0.061868	0
C18orf25	-0.48405	0.001911	0.062148	0
GRASP	0.403535	0.001917	0.062189	0
MYSM1	-0.47738	0.001929	0.062406	0
TMED3	0.318316	0.001933	0.062406	0
F10	0.477458	0.00194	0.062474	0
DGLUCY	0.355123	0.001948	0.062542	0
DDX3X	-0.32462	0.001953	0.062542	0
DONSON	-0.43311	0.001958	0.062542	0
ZFAND5	-0.33334	0.001961	0.062542	0
KLHDC3	0.310963	0.00197	0.062544	0
GTSE1	-0.33289	0.001973	0.062544	0
HPS1	0.298003	0.001975	0.062544	0
EIF3G	0.282016	0.001982	0.062549	0
PSKH1	0.296738	0.001984	0.062549	0
ARL6IP1	-0.42027	0.00199	0.062549	0
E2F8	-0.45953	0.001994	0.062549	0
ANP32E	-0.31487	0.001999	0.062557	0
PRKCZ	0.317172	0.002004	0.062557	0
RBL2	-0.37445	0.002008	0.062557	0
HACE1	-0.29778	0.002018	0.062643	0
MPND	0.363495	0.00202	0.062643	0
C12orf57	0.29709	0.002035	0.062938	0
ATP1B1	-0.45075	0.002068	0.063566	0
SIL1	0.31485	0.002068	0.063566	0
IFT140	0.315805	0.002071	0.063566	0
OPLAH	0.334842	0.002074	0.063566	0
CLCN2	0.327872	0.002093	0.063955	0
SPSB2	0.461248	0.002096	0.063955	0
RRM2B	-0.39476	0.002115	0.064174	0
C16orf58	0.300241	0.002118	0.064174	0

ZNF700	-0.49767	0.002125	0.064174	0
CRYBG3	-0.47268	0.00213	0.064174	0
UQCRB	0.363324	0.002131	0.064174	0
MRPS18A	0.32235	0.002132	0.064174	0
MSL3	-0.38697	0.002147	0.064369	0
XPOT	-0.36255	0.002161	0.064369	0
HIF3A	0.494336	0.002161	0.064369	0
AKAP9	-0.70364	0.002161	0.064369	0
CTSZ	0.263616	0.002166	0.064369	0
PCBP4	0.308305	0.002177	0.064369	0
CLIP3	0.333136	0.002181	0.064369	0
ZBTB18	-0.42655	0.002182	0.064369	0
DLGAP5	-0.46408	0.002185	0.064369	0
GPX4	0.290164	0.002187	0.064369	0
PRKD3	-0.33537	0.002215	0.064808	0
HNRNPM	-0.31253	0.002217	0.064808	0
RARG	0.317427	0.00222	0.064808	0
RPL29	0.261502	0.002226	0.064808	0
NAXE	0.287712	0.00223	0.064808	0
RACGAP1	-0.33	0.002237	0.064808	0
LUC7L2	-0.43521	0.002239	0.064808	0
COL6A1	0.299713	0.002241	0.064808	0
RNF169	-0.35002	0.002264	0.06513	0
MT2A	0.838274	0.002266	0.06513	0
SUPT20H	-0.3601	0.002267	0.06513	0
ZNF581	0.355137	0.002271	0.06513	0
BRMS1	0.322384	0.00229	0.065292	0
OPA1	-0.35366	0.002294	0.065292	0
SP4	-0.5465	0.002296	0.065292	0
CBX3	-0.30489	0.002297	0.065292	0
DDX59	-0.36422	0.002319	0.065688	0
NRSN2	0.285936	0.002322	0.065688	0
ZNF32	0.305767	0.00233	0.065688	0
ORAI3	0.339368	0.00233	0.065688	0
SKA1	-0.52032	0.002339	0.065796	0
SIGIRR	0.351969	0.002363	0.06622	0
ZNF770	-0.39804	0.002364	0.06622	0
GALK1	0.339056	0.002369	0.066229	0
KMT2A	-0.28947	0.002384	0.066475	0
HYAL2	0.314029	0.002393	0.066475	0
DYRK1B	0.345977	0.002393	0.066475	0
NME3	0.323454	0.002405	0.066564	0
RPL28	0.266964	0.002407	0.066564	0
HINT1	0.285872	0.002411	0.066564	0

KIF14	-0.49655	0.002422	0.066564	0
HAUS6	-0.53905	0.002425	0.066564	0
TENT2	-0.35851	0.002426	0.066564	0
ARF5	0.307688	0.002438	0.066739	0
TMEM250	0.305038	0.002444	0.066773	0
GUK1	0.280223	0.002452	0.066773	0
CKAP2L	-0.45211	0.00246	0.066773	0
RING1	0.297321	0.002467	0.066773	0
ANKRD12	-0.79826	0.002468	0.066773	0
TMEM219	0.282581	0.002469	0.066773	0
REEP2	0.280851	0.002503	0.067302	0
PRKCSH	0.279247	0.002507	0.067302	0
METAP1D	-0.27022	0.002514	0.067302	0
HSD17B1	0.39398	0.00252	0.067302	0
BCLAF1	-0.39606	0.002524	0.067302	0
SSR3	-0.32287	0.002525	0.067302	0
BX293535.	0.54885	0.002529	0.067302	0
FKBP8	0.300007	0.002529	0.067302	0
LMOD1	0.332248	0.002535	0.067331	0
GRHPR	0.270215	0.00254	0.067331	0
CEP78	-0.35252	0.002553	0.067461	0
NCBP1	-0.38751	0.002563	0.067461	0
ATP6V1C2	-1.07096	0.002565	0.067461	-1
NFKBIL1	0.341572	0.002565	0.067461	0
CD248	0.324298	0.002573	0.067498	0
RXRB	0.29555	0.002578	0.067498	0
CALM1	-0.37648	0.002582	0.067498	0
NMRAL1	0.300683	0.002587	0.067498	0
ATP6V0D1	0.285975	0.002597	0.067631	0
RNF5	0.305379	0.002624	0.068131	0
ZDHHC21	-0.59255	0.002626	0.068131	0
PAFAH1B3	0.26795	0.002666	0.069016	0
XPO1	-0.28969	0.002688	0.069386	0
LHPP	0.436153	0.002691	0.069386	0
TMEM205	0.319066	0.002708	0.069695	0
UNC93B1	0.424739	0.002714	0.069723	0
DMAC2	0.265808	0.002722	0.069747	0
NOSIP	0.311708	0.002732	0.069747	0
MED14	-0.38435	0.002733	0.069747	0
NOP53	0.283495	0.002736	0.069747	0
TNNC1	0.360799	0.002742	0.069765	0
AL590867.	0.357498	0.002748	0.069795	0
RPS27AP1	0.483987	0.002754	0.069816	0
RPS9	0.300359	0.002766	0.069964	0

VPS18	0.332887	0.002775	0.069964	0
RRM1	-0.33027	0.002776	0.069964	0
GCHFR	0.338783	0.002791	0.070203	0
PLOD1	0.297339	0.002802	0.070354	0
PPP1CC	-0.3501	0.002809	0.070401	0
TPR	-0.48047	0.002823	0.070624	0
BORA	-0.50098	0.002833	0.070641	0
HNRNPH1	-0.34976	0.002857	0.070641	0
CEP290	-0.83262	0.002864	0.070641	0
RIOK1	-0.36078	0.002864	0.070641	0
KIAA0586	-0.46892	0.002865	0.070641	0
PMVK	0.288828	0.002869	0.070641	0
FHL3	0.311274	0.00287	0.070641	0
TXN2	0.263958	0.002871	0.070641	0
FKBP10	0.282099	0.002876	0.070641	0
SF3B6	0.328285	0.002882	0.070641	0
KIF4A	-0.33374	0.002882	0.070641	0
RPL21P16	0.911001	0.002908	0.071146	0
NRBP1	0.245952	0.002918	0.071256	0
ATP5MG	0.272116	0.002938	0.071622	0
SFN	0.276267	0.002946	0.071679	0
FUT8	-0.45245	0.002957	0.071826	0
ERH	-0.30938	0.002979	0.07217	0
TNIP1	0.30788	0.002983	0.07217	0
AC044802	0.777854	0.00299	0.072178	0
GMNN	-0.38286	0.002994	0.072178	0
SSR2	0.26423	0.003011	0.072282	0
PKD1P5	-0.72703	0.003017	0.072282	0
RUSC1-AS1	-1.00945	0.003019	0.072282	-1
SF3B1	-0.29104	0.00302	0.072282	0
CALCOCO1	0.321552	0.003034	0.072498	0
PSAP	0.307968	0.003041	0.072531	0
KCTD9	-0.43087	0.003056	0.072771	0
UQCR10	0.251266	0.003064	0.07281	0
ZRANB2	-0.38737	0.003075	0.072943	0
U2SURP	-0.38128	0.00308	0.072943	0
PIF1	-0.3451	0.003101	0.073303	0
PTPN6	0.301142	0.003115	0.073454	0
MAN1B1	0.310218	0.003118	0.073454	0
PTCD2	-0.43407	0.003133	0.073663	0
FBXO30	-0.40155	0.003167	0.074248	0
ABCE1	-0.36428	0.003184	0.074248	0
SNHG4	-0.30419	0.003186	0.074248	0
EEF2	0.264227	0.003196	0.074248	0

XAB2	0.288451	0.003201	0.074248	0
COX7B	0.384231	0.003207	0.074248	0
SEMA4G	0.307973	0.003211	0.074248	0
RPL12P16	0.523923	0.003215	0.074248	0
MAP4K5	-0.33275	0.003216	0.074248	0
MAP4K3	-0.36517	0.003219	0.074248	0
CEP41	-0.40855	0.00322	0.074248	0
ANKRD36C	-0.74252	0.003225	0.074248	0
DNAJC4	0.321066	0.00323	0.074248	0
AL390728.	-0.53939	0.003236	0.074252	0
PICK1	0.319315	0.003257	0.074485	0
KAZALD1	0.319178	0.003265	0.074485	0
YIPF3	0.270764	0.003267	0.074485	0
HNRNPA2I	-0.31133	0.00328	0.074485	0
SENP1	-0.39537	0.003282	0.074485	0
YIPF4	-0.32397	0.003286	0.074485	0
CLIC1	0.28935	0.003296	0.074485	0
CCDC28B	0.314497	0.003297	0.074485	0
HDAC5	0.297596	0.0033	0.074485	0
CHCHD5	0.416072	0.003302	0.074485	0
ST6GALNA	0.31578	0.003312	0.07459	0
FAM214B	0.365602	0.003323	0.074644	0
CLDND1	-0.41581	0.003326	0.074644	0
NT5C3A	-0.54729	0.003332	0.074644	0
TPRG1L	0.30944	0.003337	0.074644	0
AL162258.	-0.93241	0.003354	0.074897	0
SEZ6L2	0.288912	0.003361	0.074941	0
PYGM	0.310182	0.003372	0.075051	0
KCNQ1OT1	-0.56756	0.003379	0.075079	0
TRAFD1	0.265418	0.003403	0.075496	0
SLC25A5-A	-0.93167	0.003425	0.075849	0
MAN2B1	0.282666	0.003436	0.075984	0
METTL4	-0.59597	0.003466	0.076389	0
DRP2	-0.86488	0.003466	0.076389	0
EEF1A1P1	0.49747	0.003507	0.077026	0
INTU	-0.38568	0.003512	0.077026	0
MRPL53	0.273844	0.003513	0.077026	0
TPM2	0.249845	0.003518	0.077026	0
RPLPOP6	0.35741	0.003534	0.077245	0
FCGRT	0.290465	0.003548	0.077351	0
ZNF451	-0.37504	0.00355	0.077351	0
HTR7P1	-0.41405	0.003562	0.077474	0
ATP5MC3	0.246317	0.003572	0.077569	0
NDC1	-0.35298	0.00358	0.07761	0

PALM	0.403917	0.003602	0.077958	0
RPS11	0.259993	0.003614	0.078087	0
SPDYC	0.368664	0.003622	0.07814	0
SBDSP1	-0.43533	0.003637	0.078235	0
NET1	-0.37734	0.003644	0.078235	0
GPX1	0.299317	0.003647	0.078235	0
ZBTB47	0.34045	0.00365	0.078235	0
PCOLCE	0.260795	0.003663	0.078393	0
PBXIP1	0.308629	0.003687	0.078772	0
MSRB1	0.300851	0.003693	0.078772	0
OLFML3	0.309413	0.003716	0.07904	0
ARRDC4	-0.41523	0.00372	0.07904	0
MRPL24	0.264663	0.003731	0.07904	0
FAM102B	-0.52606	0.003732	0.07904	0
HPS5	-0.37004	0.003743	0.07904	0
BMS1P8	-0.66689	0.003749	0.07904	0
DCK	-0.39343	0.003751	0.07904	0
NIPSNAP1	0.265148	0.003755	0.07904	0
USF1	0.275541	0.003758	0.07904	0
AL662797.	-1.57827	0.003824	0.080283	-1
RFC4	-0.39304	0.00383	0.080289	0
MYL9	0.272822	0.003889	0.081352	0
CAPN5	0.681611	0.003893	0.081352	0
SGO2	-0.75339	0.003905	0.081484	0
ZNF688	0.425088	0.003911	0.081484	0
DLD	-0.31157	0.003929	0.081697	0
ZW10	-0.40274	0.003934	0.081697	0
BORCS6	0.349671	0.003942	0.081737	0
AL445189.	0.778818	0.003958	0.081937	0
RPS5	0.285981	0.003967	0.082011	0
NDUFA5	0.392684	0.003984	0.08208	0
DRAP1	0.260695	0.003988	0.08208	0
ATRIP	-0.38627	0.00399	0.08208	0
N4BP2L2	-0.40267	0.004001	0.08208	0
FBXO27	0.422961	0.004004	0.08208	0
MPHOSPH	-0.39471	0.004008	0.08208	0
PRR11	-0.31537	0.004035	0.082506	0
RHOC	0.287097	0.004041	0.08251	0
AL161668.	0.589748	0.004053	0.08254	0
GPR162	0.311881	0.004055	0.08254	0
RPL7AP50	0.868928	0.004077	0.082863	0
MECR	0.306316	0.004097	0.08297	0
CENPE	-0.99	0.004099	0.08297	0
AKAP5	-0.53715	0.004105	0.08297	0

NPAT	-0.48151	0.004107	0.08297	0
MINDY1	0.290687	0.004138	0.083459	0
THNSL1	-0.62919	0.004155	0.083672	0
LINC00641	-0.59793	0.004161	0.083672	0
RPS24	0.284579	0.004215	0.08458	0
EMID1	0.345416	0.004224	0.08458	0
SENP5	-0.35566	0.004244	0.08458	0
TFCP2L1	-0.40144	0.004244	0.08458	0
UFL1	-0.44039	0.004254	0.08458	0
RIOK3	-0.36175	0.004261	0.08458	0
ALG3	0.281959	0.004262	0.08458	0
VAMP8	0.276462	0.004274	0.08458	0
MYADM	0.252634	0.004275	0.08458	0
LSS	0.261163	0.004277	0.08458	0
MYCBP2	-0.30073	0.004281	0.08458	0
LNPK	-0.37815	0.004282	0.08458	0
ADGRG6	-0.82592	0.00429	0.084594	0
SKP2	-0.32218	0.004311	0.084594	0
RPL23	0.261449	0.004315	0.084594	0
TAF10	-0.55993	0.004315	0.084594	0
CHPF	0.27584	0.004319	0.084594	0
CASP9	0.298059	0.004327	0.084594	0
CCDC102A	0.312427	0.004333	0.084594	0
MT-ATP6	0.243737	0.004333	0.084594	0
LRP10	0.265218	0.004351	0.084819	0
TBC1D17	0.28214	0.004373	0.085121	0
CD99L2	0.29384	0.004383	0.085191	0
POMGNT2	0.285023	0.0044	0.085254	0
KCNN1	0.436284	0.004403	0.085254	0
RAB1A	-0.28702	0.004406	0.085254	0
ATP6V1A	-0.29745	0.00442	0.085266	0
OTUD3	-0.37211	0.004425	0.085266	0
HLA-H	0.730226	0.00443	0.085266	0
ARFIP2	0.283919	0.004432	0.085266	0
WDCP	-0.32512	0.004463	0.085443	0
ORAI2	0.279371	0.004466	0.085443	0
PDLIM7	0.269088	0.004468	0.085443	0
FTH1	0.234339	0.004471	0.085443	0
PGLS	0.274533	0.004473	0.085443	0
ORMDL3	0.294156	0.004481	0.085464	0
MRPL28	0.273434	0.004529	0.086044	0
TLR6	-0.57973	0.004532	0.086044	0
CCDC150	-0.69214	0.004539	0.086044	0
YIF1A	0.288051	0.004542	0.086044	0

PLEKHO1	0.255368	0.004543	0.086044	0
DPY19L3	-0.38468	0.004556	0.086093	0
TUG1	-0.27039	0.004563	0.086093	0
AL133415.	-1.22579	0.004565	0.086093	-1
PRDX2	0.259716	0.004587	0.086376	0
SLC12A5	0.553267	0.004593	0.086376	0
AP3M1	-0.32234	0.004605	0.086484	0
PPP1R14A	0.345644	0.004614	0.08653	0
SNAPIN	0.263574	0.004623	0.086538	0
AKAP11	-0.3528	0.004629	0.086538	0
SGTA	0.254816	0.004634	0.086538	0
HNRNPA1I	-0.85618	0.004681	0.087063	0
GSTP1	0.29478	0.004684	0.087063	0
C21orf58	-0.31896	0.004691	0.087063	0
PDF	-0.6605	0.004694	0.087063	0
BCL6B	0.315466	0.004716	0.087063	0
FDXR	0.284787	0.00472	0.087063	0
SRSF5	-0.32381	0.004723	0.087063	0
HNRNPDL	-0.25435	0.004723	0.087063	0
CUL7	0.268438	0.004727	0.087063	0
CDK2	-0.26024	0.004728	0.087063	0
AHCY	0.254192	0.00474	0.087111	0
RAVER2	-0.32176	0.004743	0.087111	0
HMGCL	0.339335	0.004753	0.087115	0
DNASE2	0.302681	0.00476	0.087115	0
COQ9	0.295387	0.004766	0.087115	0
PNPLA4	0.323942	0.004771	0.087115	0
DDX42	-0.26443	0.004776	0.087115	0
STAP2	0.311515	0.004785	0.087153	0
PRICKLE3	0.297652	0.00481	0.087484	0
TSTA3	0.280547	0.004819	0.087544	0
CELF1	-0.25037	0.00483	0.087615	0
RAD21	-0.2808	0.004841	0.08769	0
HLA-E	0.301794	0.004874	0.087884	0
SNHG14	-0.28353	0.004886	0.087884	0
LGALS3BP	0.268569	0.004888	0.087884	0
CRLF1	0.58063	0.00489	0.087884	0
SPTBN4	0.320531	0.004898	0.087884	0
MELK	-0.37172	0.004899	0.087884	0
LARP4	-0.33699	0.004904	0.087884	0
CKAP5	-0.30902	0.004904	0.087884	0
ARPP19	-0.30113	0.004922	0.088092	0
PRCD	0.443023	0.004929	0.088098	0
DIS3	-0.38745	0.004969	0.088631	0

AC092821	-0.92592	0.004972	0.088631	0
TRIR	0.265535	0.004996	0.088903	0
IQGAP3	-0.2383	0.005001	0.088903	0
DCTN3	0.27221	0.005019	0.089082	0
MPHOSPH	-0.42737	0.005024	0.089082	0
ELOVL7	-0.57935	0.005044	0.089232	0
RICTOR	-0.46012	0.005046	0.089232	0
RARS	-0.36538	0.005063	0.089402	0
MED13	-0.2749	0.005077	0.089533	0
NCK1	-0.36631	0.005087	0.089592	0
ANKRD36	-0.6926	0.005114	0.089935	0
SERPINB6	0.239652	0.005126	0.089935	0
ANAPC4	-0.39783	0.005133	0.089935	0
MTX1	0.285236	0.005141	0.089935	0
ZNF248	-0.49667	0.005144	0.089935	0
ETHE1	0.290237	0.005147	0.089935	0
RAB1B	0.260262	0.005186	0.090495	0
TIMM8B	0.304961	0.005197	0.09058	0
NELFE	0.251849	0.005218	0.090821	0
SF3B5	0.269788	0.005226	0.090821	0
HERC4	-0.30643	0.005239	0.090821	0
SRP54	-0.31403	0.005242	0.090821	0
STIL	-0.35977	0.005245	0.090821	0
ANXA6	0.252508	0.005259	0.090889	0
PAQR7	0.275358	0.005269	0.090889	0
MGST3	0.249076	0.005272	0.090889	0
MMD	-0.40901	0.005276	0.090889	0
AC018647	-0.44002	0.0053	0.091186	0
AC074143	-0.77797	0.005321	0.091419	0
ABCB7	-0.35068	0.005336	0.091561	0
GAMT	0.29042	0.005346	0.091617	0
PRKCD	0.310682	0.005361	0.091663	0
UVSSA	-0.40834	0.005362	0.091663	0
MOV10	0.250678	0.005392	0.091828	0
LMNB1	-0.27662	0.005393	0.091828	0
MBD4	-0.34267	0.005397	0.091828	0
HMOX1	0.311913	0.005403	0.091828	0
GOPC	-0.41919	0.005414	0.091828	0
PPAT	-0.33576	0.005414	0.091828	0
FBXW5	0.271342	0.00542	0.091828	0
VPS13A	-0.45524	0.005427	0.091828	0
POLR2I	0.281134	0.005445	0.09184	0
ARHGAP27	0.307699	0.005446	0.09184	0
SMG1P7	-0.84322	0.005454	0.09184	0

KIAA1109	-0.4056	0.005455	0.09184	0
SLC7A6	-0.28344	0.005465	0.091866	0
KEAP1	0.251343	0.005471	0.091866	0
PCDHAC1	-0.80133	0.005504	0.09228	0
KIF20B	-0.66798	0.005514	0.09228	0
CSDC2	0.724315	0.005517	0.09228	0
TMEM223	0.314942	0.005524	0.09228	0
ICAM3	0.340375	0.00553	0.09228	0
GSN	0.261997	0.005537	0.092281	0
ZMPSTE24	-0.35637	0.005554	0.092453	0
ZKSCAN2	-0.34417	0.005586	0.092829	0
TASOR2	-0.28781	0.005591	0.092829	0
C2CD5	-0.36753	0.005608	0.092996	0
SIGMAR1	0.247625	0.005634	0.093221	0
SMPD1	0.346387	0.005637	0.093221	0
PRPF39	-0.4896	0.005642	0.093221	0
CMTM3	0.252262	0.005649	0.093223	0
VAMP5	0.588955	0.005665	0.093292	0
TRAF5	-0.31514	0.005668	0.093292	0
TTC21B	-0.29707	0.005697	0.093654	0
ABHD8	0.340994	0.005706	0.093671	0
IDH3G	0.252217	0.005715	0.093671	0
DST	-0.47901	0.005719	0.093671	0
PSMA6	0.422599	0.005729	0.093725	0
RBM17	-0.28798	0.005761	0.094132	0
ITGB5	0.245606	0.005772	0.094188	0
NSUN4	0.296264	0.005786	0.094312	0
GLB1	0.280791	0.005796	0.094341	0
BTBD2	0.260182	0.005802	0.094341	0
HNRNPC	0.226953	0.005812	0.094393	0
EHD1	0.28875	0.00582	0.0944	0
FN3K	0.269807	0.005852	0.09481	0
ATR	-0.40544	0.005877	0.094972	0
CDCA8	-0.2433	0.005877	0.094972	0
TEAD2	0.26369	0.005884	0.094972	0
SELENBP1	0.285651	0.00593	0.095595	0
RNPC3	-0.52747	0.005937	0.095595	0
TMED9	0.244998	0.005951	0.095631	0
PRKX	-0.29483	0.005953	0.095631	0
LTBP3	0.274084	0.005966	0.095718	0
OAZ1	0.245315	0.005994	0.096059	0
PGD	0.230309	0.006015	0.096284	0
ZFC3H1	-0.41083	0.006037	0.096506	0
POLR2F	0.251131	0.006063	0.096532	0

SCCPDH	-0.28067	0.006072	0.096532	0
SDC1	0.240912	0.006076	0.096532	0
TMEM161	-0.41981	0.006077	0.096532	0
NADSYN1	0.268575	0.00608	0.096532	0
FASTKD3	-0.46351	0.006086	0.096532	0
CBLC	0.403662	0.006097	0.096532	0
DUBR	-0.85293	0.006099	0.096532	0
SDHD	-0.33741	0.006103	0.096532	0
PTPN14	-0.26012	0.006113	0.096565	0
MYCBP	-0.41477	0.006127	0.096565	0
C1orf112	-0.39233	0.006134	0.096565	0
AC006064.	-1.01099	0.006134	0.096565	-1
EMILIN1	0.253376	0.006151	0.09671	0
PHIP	-0.43309	0.006166	0.09684	0
USPL1	-0.46839	0.006192	0.097078	0
TRAPPC9	0.278274	0.006196	0.097078	0
TRADD	0.354486	0.006209	0.097161	0
ABHD17C	-0.35993	0.00625	0.09769	0
LINC01534	-0.6963	0.006265	0.097808	0
EIF4BP3	0.809943	0.006305	0.097944	0
ALDOC	0.310637	0.006308	0.097944	0
MVD	0.256272	0.006308	0.097944	0
AC006504.	-0.84732	0.00631	0.097944	0
KLRG1	-0.70553	0.00631	0.097944	0
TRIB3	0.268233	0.006325	0.097987	0
FAM50A	0.254625	0.006328	0.097987	0
MT-CO2	0.215919	0.006373	0.098582	0
RHOT1	-0.32821	0.006394	0.098676	0
P3H4	0.281	0.0064	0.098676	0
NCAPD3	-0.26254	0.006402	0.098676	0
EYA3	-0.31449	0.006422	0.098877	0
TAF2	-0.34737	0.006441	0.098961	0
ATAD2	-0.34023	0.006442	0.098961	0
YTHDC1	-0.28297	0.006455	0.099039	0
JUP	0.243675	0.006493	0.09951	0
COBLL1	-0.27534	0.006502	0.099524	0
ZNF768	0.271202	0.006515	0.09961	0
SNTA1	0.336325	0.006547	0.099973	0
DNM3OS	-0.32966	0.006561	0.099973	0
PPIB	0.232819	0.006567	0.099973	0
ECSIT	0.284777	0.006578	0.099973	0
ABCA7	0.268914	0.006581	0.099973	0
EDF1	0.230563	0.006583	0.099973	0
AL353743.	-0.6931	0.006592	0.099986	0

GNA13	-0.31758	0.006622	0.100242	0
CNOT8	-0.29288	0.006624	0.100242	0
NDUFS7	0.245351	0.006642	0.100406	0
EPB41L2	-0.27758	0.006659	0.100547	0
LINC02525	0.378943	0.006668	0.100564	0
MRPS35	-0.28484	0.006692	0.100685	0
FAM72B	-0.6775	0.006695	0.100685	0
AL590666	0.307683	0.006704	0.100685	0
THUMPD3	-0.41101	0.006711	0.100685	0
PCNT	-0.26298	0.006715	0.100685	0
CHMP6	0.300285	0.006721	0.100685	0
MYL6B	0.24526	0.006728	0.100685	0
DICER1	-0.31983	0.006736	0.100686	0
ZNF205	0.290685	0.006754	0.100848	0
TNS2	0.244802	0.006786	0.101154	0
TCP1	-0.26521	0.006802	0.101154	0
TRAM2-AS	-0.40908	0.006807	0.101154	0
POR	0.256831	0.006815	0.101154	0
KIF18B	-0.28724	0.006819	0.101154	0
NEIL3	-0.71238	0.006821	0.101154	0
GSEC	0.418727	0.006828	0.101154	0
SLC27A1	0.298314	0.006838	0.101183	0
MAP3K2-D	0.390062	0.006855	0.101317	0
OGFOD1	-0.29012	0.006862	0.101317	0
CHMP2A	0.23079	0.006889	0.101543	0
MT-CO3	0.210651	0.006897	0.101543	0
RUVBL2	0.247417	0.006905	0.101543	0
CTPS1	-0.23539	0.006912	0.101543	0
CDC34	0.260628	0.006915	0.101543	0
NUF2	-0.3833	0.006923	0.101543	0
RPL15P3	0.547128	0.006932	0.101571	0
TCF12	-0.26913	0.006941	0.101587	0
TOPBP1	-0.31725	0.006958	0.101663	0
RPL27A	0.221376	0.006968	0.101663	0
SYT5	0.307479	0.006969	0.101663	0
PPP6C	-0.2961	0.006988	0.101814	0
UTP3	-0.31735	0.006995	0.101814	0
CENPU	-0.40939	0.007003	0.101828	0
NAA50	-0.2676	0.007028	0.102078	0
NUBP2	0.272947	0.007041	0.102152	0
ANKRD28	-0.32626	0.007098	0.102868	0
TUFM	0.245774	0.007115	0.102995	0
TCF25	0.258941	0.007157	0.103501	0
MAP1A	0.230333	0.007176	0.103653	0

ILK	0.23911	0.007196	0.103769	0
IVNS1ABP	-0.27994	0.00721	0.103769	0
TBC1D31	-0.49509	0.007213	0.103769	0
CAVIN1	0.246344	0.007226	0.103769	0
UBE4A	-0.33646	0.007229	0.103769	0
PLP2	0.239275	0.007231	0.103769	0
RIF1	-0.37892	0.007249	0.103769	0
DYNLL1	0.226413	0.007249	0.103769	0
GTF3C6	-0.28984	0.007258	0.103769	0
TSPAN13	-0.36262	0.007265	0.103769	0
FES	0.357912	0.007275	0.103769	0
HSPB1	0.242606	0.00728	0.103769	0
TRIM66	-0.34983	0.007291	0.103769	0
ZNF75A	-0.44631	0.007293	0.103769	0
CRAT	0.28489	0.007319	0.103813	0
UBE2L6	0.282675	0.00732	0.103813	0
CCNL2	-0.27277	0.007324	0.103813	0
CD2BP2-D	0.562207	0.007327	0.103813	0
ZNF292	-0.48348	0.007344	0.103862	0
RPSA	0.25682	0.007346	0.103862	0
COX6B1	0.231427	0.007369	0.104078	0
SRBD1	-0.39388	0.007383	0.10417	0
USE1	0.290206	0.007397	0.104257	0
FNBP4	-0.27867	0.007412	0.104306	0
UNC45A	0.284952	0.007416	0.104306	0
CYHR1	0.26888	0.007437	0.104487	0
E2F7	-0.37282	0.007447	0.104514	0
CCP110	-0.43119	0.007468	0.104532	0
THAP6	-0.48531	0.007478	0.104532	0
FAF1	-0.27148	0.007487	0.104532	0
MICOS13	0.285073	0.007493	0.104532	0
FBXO10	0.289487	0.007526	0.104532	0
PGM2	-0.33522	0.007528	0.104532	0
NORAD	-0.23548	0.007545	0.104532	0
KIRREL2	0.540997	0.00755	0.104532	0
TBC1D5	-0.28249	0.007563	0.104532	0
COMMD7	0.309451	0.007566	0.104532	0
DSN1	-0.32188	0.007566	0.104532	0
HYI	0.314768	0.007575	0.104532	0
ATRX	-0.52053	0.007578	0.104532	0
MRPL43	0.249267	0.007578	0.104532	0
WDR92	-0.50503	0.007581	0.104532	0
VEGFB	0.273767	0.007616	0.104532	0
FEM1C	-0.4126	0.007616	0.104532	0

BOK	0.348585	0.007624	0.104532	0
ZNF674-AS	-0.48435	0.007625	0.104532	0
RSPH9	0.349929	0.007634	0.104532	0
FANCD2	-0.42288	0.007642	0.104532	0
CRYBB2P1	0.2878	0.007646	0.104532	0
USP11	0.257216	0.00765	0.104532	0
NAT14	0.283979	0.007654	0.104532	0
TMEM37	0.454847	0.007678	0.104532	0
SYNJ1	-0.45495	0.0077	0.104532	0
HP1BP3	-0.25816	0.007706	0.104532	0
NFATC4	0.284635	0.007706	0.104532	0
RPP25L	0.300841	0.007707	0.104532	0
CCDC66	-0.68302	0.007709	0.104532	0
RPS3AP6	0.310121	0.007713	0.104532	0
JADE2	0.273416	0.007721	0.104532	0
SPSB3	0.284469	0.007727	0.104532	0
COX6C	0.280573	0.00773	0.104532	0
CHID1	0.257201	0.007747	0.104532	0
CAPZA1	-0.29664	0.007748	0.104532	0
SDSL	0.358033	0.007759	0.104532	0
ATP7A	-0.41099	0.007763	0.104532	0
E2F5	-0.31979	0.007764	0.104532	0
FABP3	0.48847	0.007766	0.104532	0
UQCC3	0.339184	0.00777	0.104532	0
CIB1	0.256852	0.007791	0.104622	0
LRPAP1	0.243703	0.007792	0.104622	0
SERPINF2	0.372235	0.00782	0.104748	0
ATL2	-0.30216	0.007821	0.104748	0
DHRS3	0.861326	0.007841	0.104748	0
RPL13A	0.237989	0.007846	0.104748	0
ZKSCAN8	-0.30248	0.007847	0.104748	0
KMT2C	-0.27068	0.007853	0.104748	0
NES	0.218507	0.007856	0.104748	0
PRKCI	-0.301	0.00793	0.105563	0
EID2	-0.38038	0.007933	0.105563	0
PUM2	-0.27271	0.007985	0.105888	0
PUS7L	-0.47139	0.007987	0.105888	0
ORC5	-0.38494	0.007995	0.105888	0
PITPNM1	0.282145	0.008	0.105888	0
INO80B	0.812877	0.008004	0.105888	0
CBL	-0.25836	0.008011	0.105888	0
YAP1	-0.27702	0.008021	0.105888	0
ZCCHC8	-0.34729	0.008039	0.105888	0
SLC25A42	0.275045	0.008042	0.105888	0

PAQR3	-0.40912	0.008044	0.105888	0
CCDC88A	-0.42552	0.008045	0.105888	0
RTN4IP1	-0.34823	0.008062	0.106001	0
UNC13D	0.275694	0.008089	0.106237	0
TOMM7	0.277389	0.008095	0.106237	0
DNAJC9	-0.2824	0.008107	0.106264	0
ID3	0.301539	0.008121	0.106264	0
NUP133	-0.28064	0.008121	0.106264	0
METAP2	-0.28252	0.00816	0.106669	0
SMIM5	0.657167	0.008204	0.10704	0
AACS	0.232166	0.008205	0.10704	0
EXO1	-0.36231	0.008239	0.107309	0
SPIN1	-0.2813	0.008242	0.107309	0
WDR76	-0.35009	0.008257	0.107405	0
LINC01089	-0.34358	0.008282	0.107627	0
UTP15	-0.36074	0.0083	0.107667	0
C5AR1	0.482836	0.00832	0.107667	0
PATZ1	0.263712	0.008341	0.107667	0
CCT6P1	-0.62957	0.008347	0.107667	0
COQ8B	0.251237	0.008349	0.107667	0
RAD17	-0.43832	0.008354	0.107667	0
FUNDC2	0.252603	0.008356	0.107667	0
SLC2A4RG	0.241415	0.008358	0.107667	0
APEH	0.243262	0.008358	0.107667	0
AC009120	-0.42694	0.008377	0.107809	0
ERCC1	0.263406	0.008422	0.10829	0
RPL18A	0.236302	0.008438	0.108384	0
STUB1	0.280925	0.008448	0.108409	0
GLO1	-0.26282	0.008467	0.108461	0
ADCY10P1	-0.51648	0.008478	0.108461	0
HLA-C	0.247597	0.008483	0.108461	0
INTS2	-0.30676	0.008488	0.108461	0
DHDH	0.35429	0.008497	0.108461	0
GIPC1	0.260169	0.008502	0.108461	0
QSER1	-0.29123	0.008512	0.108461	0
RAI14	-0.32982	0.00853	0.108461	0
ZSCAN10	0.288746	0.008534	0.108461	0
RPS19	0.22934	0.008548	0.108461	0
RRNAD1	0.290832	0.008555	0.108461	0
TRAF4	0.266875	0.008561	0.108461	0
ATP5MC2	0.220475	0.008563	0.108461	0
MVK	0.27481	0.008566	0.108461	0
STAG2	-0.28872	0.008583	0.108498	0
AC004812	-0.60243	0.008591	0.108498	0

XPO4	-0.34616	0.008597	0.108498	0
WDTC1	0.283849	0.008602	0.108498	0
SMO	0.256493	0.00861	0.108498	0
TMEM9	0.243298	0.008623	0.108498	0
ERF	0.259654	0.008626	0.108498	0
TMEM69	-0.30658	0.008646	0.108498	0
UBXN4	-0.29248	0.008649	0.108498	0
AC024293	0.350782	0.008657	0.108498	0
RAB11FIP5	0.243049	0.008658	0.108498	0
CDC20	-0.22267	0.008695	0.108802	0
MCM10	-0.34214	0.008699	0.108802	0
VPS54	-0.29217	0.008722	0.108838	0
SHTN1	-0.3536	0.008728	0.108838	0
NECAP2	0.252551	0.008729	0.108838	0
OSBPL6	-0.32366	0.008736	0.108838	0
RPS27A	0.310604	0.008753	0.108838	0
NEK4	-0.30809	0.008758	0.108838	0
RPL37	0.227303	0.008759	0.108838	0
ARAP1	0.250674	0.008779	0.10898	0
TTPAL	-0.27695	0.008796	0.109075	0
TFRC	-0.27741	0.008808	0.109075	0
MAZ	0.239632	0.008811	0.109075	0
CASTOR1	0.566569	0.00882	0.109087	0
ASXL2	-0.28011	0.008835	0.109168	0
GNL1	0.237736	0.008868	0.109483	0
MMAB	0.273249	0.008891	0.109611	0
NSDHL	0.240552	0.008895	0.109611	0
ANKRD54	0.26515	0.008917	0.109774	0
TRAF7	0.233334	0.008928	0.109816	0
RC3H1	-0.31796	0.008946	0.109876	0
SUOX	0.237696	0.008954	0.109876	0
ZBTB8OSP	0.755195	0.008965	0.109876	0
MT-ND1	0.206302	0.008966	0.109876	0
FUOM	0.332929	0.008985	0.109944	0
ART5	0.589524	0.008988	0.109944	0
SLC16A2	0.226256	0.009012	0.110017	0
NEURL1B	-0.33615	0.009027	0.110017	0
ARFGAP1	0.249392	0.009029	0.110017	0
HRC	0.384883	0.009035	0.110017	0
THY1	0.249678	0.009038	0.110017	0
FAM161A	-0.38111	0.009045	0.110017	0
MRPS2	0.232077	0.009052	0.110017	0
LINC00339	-0.59438	0.009061	0.110023	0
BARX1	0.27401	0.009075	0.110055	0

NR1H2	0.260456	0.00908	0.110055	0
SNX12	0.251164	0.009095	0.110094	0
HSPD1	-0.25343	0.009107	0.110094	0
CXXC4-AS1	-0.66898	0.00911	0.110094	0
PNISR	-0.42974	0.009116	0.110094	0
AC140134	-0.80502	0.009139	0.110241	0
MANBAL	0.252693	0.009169	0.110241	0
RPS29	0.214841	0.00917	0.110241	0
DDOST	0.226747	0.009179	0.110241	0
DNM1L	-0.30883	0.009185	0.110241	0
ARL5B	-0.37058	0.009194	0.110241	0
PPP1R15B	-0.26154	0.009201	0.110241	0
VAPA	-0.2867	0.009201	0.110241	0
ZFYVE16	-0.3832	0.009213	0.110241	0
ZER1	0.251559	0.009214	0.110241	0
TMEM134	0.322091	0.009219	0.110241	0
RHBDD2	0.243962	0.009231	0.110285	0
HHLA3	0.432219	0.009241	0.110309	0
NCAPH	-0.27906	0.00926	0.110321	0
DCTN2	0.224665	0.009261	0.110321	0
STK17B	-0.46059	0.009271	0.110321	0
SCML1	-0.31765	0.009275	0.110321	0
ACTR2	-0.24175	0.00929	0.11039	0
MFAP3	-0.34786	0.009311	0.110508	0
CEP97	-0.58067	0.009316	0.110508	0
TMEM222	0.276741	0.009343	0.110676	0
AC020934	0.570223	0.009347	0.110676	0
RASAL3	0.334104	0.009379	0.110955	0
CHEK1	-0.3194	0.00941	0.111195	0
SACS	-0.41188	0.009416	0.111195	0
SNX33	0.253403	0.009434	0.111311	0
HUS1	-0.41263	0.009456	0.111477	0
PYGB	0.250751	0.009472	0.111563	0
LPCAT3	0.223173	0.009502	0.111742	0
LSM11	-0.33616	0.009518	0.111742	0
SLC25A38	0.243705	0.009523	0.111742	0
WDR11	-0.29828	0.009537	0.111742	0
VPS28	0.238101	0.009538	0.111742	0
LINC01979	0.800155	0.009539	0.111742	0
MFGE8	0.301699	0.00955	0.111742	0
SDCBP	-0.30388	0.009554	0.111742	0
RNF2	-0.29651	0.009597	0.112144	0
ASPHD1	0.254689	0.009608	0.112151	0
MRPL54	0.298915	0.009614	0.112151	0

TTYH2	0.280132	0.009624	0.112163	0
RCN3	0.26608	0.00968	0.112717	0
PTP4A3	0.529035	0.009714	0.112892	0
TRAPPC1	0.238839	0.009725	0.112892	0
ESCO2	-0.60617	0.009726	0.112892	0
MTHFR	0.270679	0.009729	0.112892	0
KLHDC8B	0.298588	0.009746	0.112951	0
RYR2	-0.81096	0.009751	0.112951	0
PHLDB3	0.310948	0.00976	0.112959	0
ARAF	0.235343	0.009785	0.112996	0
RECQL	-0.41171	0.00979	0.112996	0
ZNF37BP	-0.47685	0.009802	0.112996	0
ATPAF2	0.289127	0.009807	0.112996	0
RELA	0.232948	0.009816	0.112996	0
ZNF483	-0.42749	0.00983	0.112996	0
ZNF408	0.322284	0.009845	0.112996	0
SASS6	-0.59531	0.009851	0.112996	0
ACTG1	0.207402	0.009852	0.112996	0
GUSBP11	-0.31265	0.009855	0.112996	0
GDAP2	-0.34269	0.009856	0.112996	0
MLLT6	0.231907	0.009881	0.113123	0
NAE1	-0.31611	0.009884	0.113123	0
CCDC22	0.276946	0.009915	0.113272	0
TARBP1	-0.31694	0.009928	0.113272	0
AC068831	-0.49614	0.009935	0.113272	0
TMEM209	-0.31941	0.00994	0.113272	0
JRKL	-0.4928	0.00994	0.113272	0
GALT	0.289043	0.009955	0.113352	0
DTNA	-0.3237	0.009964	0.113352	0
PTER	-0.3489	0.009973	0.113354	0
SCML2	-0.32923	0.010019	0.11377	0
SEPTIN2	-0.245	0.010026	0.11377	0
HERC2P9	-0.48168	0.010064	0.114101	0
AC145207	-1.31291	0.010085	0.114248	0
THBS3	0.239945	0.0101	0.114316	0
PNPLA6	0.255559	0.01011	0.114336	0
COX7A2	0.23378	0.010123	0.11438	0
RPS6KB2	0.258771	0.010211	0.114942	0
PI4K2B	-0.428	0.010212	0.114942	0
INPP5F	-0.34459	0.010216	0.114942	0
RPS27L	0.254289	0.01022	0.114942	0
PI4KB	0.230939	0.010238	0.114942	0
SGO1	-0.46089	0.010241	0.114942	0
DNAJB11	-0.29368	0.010262	0.114942	0

FAM49B	-0.30787	0.010275	0.114942	0
HOXB-AS3	0.30639	0.010276	0.114942	0
ARHGAP11	-0.33888	0.010283	0.114942	0
AC006064	-1.03868	0.010292	0.114942	0
GOLPH3	-0.27139	0.010297	0.114942	0
DCAF11	0.249915	0.010299	0.114942	0
ACTN3	0.359872	0.010305	0.114942	0
CD151	0.233595	0.010309	0.114942	0
SULT1A1	0.260782	0.010311	0.114942	0
SEPTIN10	-0.25179	0.010334	0.115043	0
WIPI1	0.305248	0.010337	0.115043	0
BSG	0.243836	0.010353	0.115063	0
FLOT2	0.246266	0.010358	0.115063	0
ZYG11B	-0.28732	0.01037	0.115063	0
NR2C1	-0.34577	0.010373	0.115063	0
NUP160	-0.29516	0.010382	0.115066	0
CGGBP1	-0.33508	0.010413	0.115308	0
GOLT1B	-0.37049	0.010436	0.115324	0
ZNF282	0.249426	0.010446	0.115324	0
ADRM1	0.229213	0.010447	0.115324	0
MPI	0.248707	0.010449	0.115324	0
SPARC	0.209814	0.01046	0.115353	0
RPL13AP2	0.415186	0.01047	0.115372	0
XPNPEP3	-0.29412	0.010489	0.115427	0
TIA1	-0.28622	0.010493	0.115427	0
OSCP1	0.448451	0.010501	0.115427	0
CA2	-0.53681	0.010514	0.115466	0
SENP7	-0.4129	0.010522	0.115466	0
AL031727	0.506183	0.010572	0.115838	0
RIN1	0.251108	0.010581	0.115838	0
TMEM38A	0.32284	0.010582	0.115838	0
RAP1GDS1	-0.29146	0.010599	0.115929	0
MTFP1	0.484192	0.01064	0.116276	0
RPL30	0.22012	0.010648	0.116276	0
ECT2	-0.32854	0.010692	0.116624	0
SUMF2	0.238815	0.010704	0.116624	0
SOD1	0.222134	0.010706	0.116624	0
IREB2	-0.27274	0.010747	0.116926	0
RNGTT	-0.35334	0.010752	0.116926	0
APBA2	0.234721	0.010772	0.117052	0
PEX1	-0.28013	0.010787	0.11707	0
FDPS	0.225178	0.010791	0.11707	0
PCGF2	0.23093	0.010813	0.117166	0
TEX264	0.28094	0.010818	0.117166	0

IRF1	0.331764	0.010828	0.117188	0
LIMD2	0.235382	0.010914	0.118023	0
ISG20	0.302702	0.010936	0.118161	0
PARP10	0.255136	0.010961	0.118243	0
PEX12	-0.45048	0.010967	0.118243	0
GPR108	0.246879	0.01097	0.118243	0
C6orf62	-0.2849	0.010986	0.118318	0
TGFB1	0.238615	0.011019	0.118578	0
WEE1	-0.40254	0.011029	0.118578	0
FBXW4	0.245629	0.011037	0.118578	0
NT5C	0.248917	0.011058	0.118651	0
MAP2K2	0.22747	0.011077	0.118651	0
APBA3	0.289172	0.011085	0.118651	0
IFRD1	-0.29584	0.011094	0.118651	0
PILRA	0.546215	0.011098	0.118651	0
ROCK2	-0.32266	0.011105	0.118651	0
FAM234A	0.245281	0.011113	0.118651	0
EPS8L2	0.248966	0.011115	0.118651	0
RCOR2	0.242919	0.011145	0.118674	0
THRA	0.251283	0.011148	0.118674	0
FLYWCH2	0.246214	0.011152	0.118674	0
CKS1B	0.225972	0.011155	0.118674	0
AC093627	-0.56177	0.011166	0.118674	0
PARD6B	-0.4075	0.01117	0.118674	0
CHD9	-0.36921	0.011209	0.118935	0
NOS3	0.245229	0.011213	0.118935	0
ATP6V0E1	0.226574	0.011226	0.118978	0
R3HCC1L	-0.39164	0.011245	0.118981	0
SARS	0.205554	0.011246	0.118981	0
ARFGEF1	-0.33924	0.011253	0.118981	0
TMEM138	-0.29136	0.011288	0.119253	0
PSME4	-0.25017	0.011307	0.119366	0
TBKBP1	0.262053	0.011324	0.119443	0
ARHGEF2	0.22197	0.01134	0.119519	0
CAP2	-0.28534	0.011376	0.119805	0
UBTF	0.2127	0.011441	0.119827	0
STK16	0.290597	0.011454	0.119827	0
TRIP13	-0.27596	0.011458	0.119827	0
NSUN6	-0.53186	0.011459	0.119827	0
EMX1	0.399631	0.011461	0.119827	0
TBP	-0.31761	0.011462	0.119827	0
SELENON	0.237618	0.011467	0.119827	0
ALG10B	-0.53282	0.011475	0.119827	0
AL133338	-0.72252	0.011476	0.119827	0

CMTM4	-0.2553	0.011477	0.119827	0
PARVB	0.237444	0.011487	0.119827	0
DNAAF3	0.272194	0.011488	0.119827	0
PRAF2	0.355602	0.011501	0.119827	0
CHMP5	0.317589	0.011504	0.119827	0
FAM98B	-0.3104	0.011515	0.119837	0
RPL24	0.238151	0.011531	0.119837	0
DKC1	-0.24922	0.011532	0.119837	0
UAP1L1	0.249513	0.011553	0.119939	0
NEMF	-0.45462	0.011565	0.119939	0
TOLLIP	0.253182	0.011568	0.119939	0
OSTN	0.343623	0.011595	0.120083	0
WASHC5	-0.31127	0.011606	0.120083	0
ZNF529-AS1	0.526851	0.011609	0.120083	0
ASTE1	-0.40455	0.011626	0.120091	0
NCAPD2	-0.20725	0.011628	0.120091	0
FIBP	0.228786	0.011642	0.120099	0
G6PD	0.222411	0.011647	0.120099	0
CALM3	0.215787	0.011661	0.120153	0
DENND4C	-0.29057	0.011686	0.120288	0
VPS9D1-AS1	0.259155	0.011693	0.120288	0
PEX16	0.276944	0.011701	0.120288	0
HOXB4	0.23991	0.011729	0.120481	0
AKAP8L	0.218041	0.011745	0.120553	0
AC093484	-0.97272	0.011773	0.120735	0
PACSIN3	0.241077	0.011781	0.120735	0
MTREX	-0.30336	0.011816	0.1208	0
ZNF747	0.354182	0.011817	0.1208	0
RNF220	0.215245	0.011821	0.1208	0
FAM135A	-0.43709	0.011831	0.1208	0
ZNF586	-0.2978	0.011833	0.1208	0
MCCC2	-0.22401	0.011856	0.120949	0
SCN2A	-0.26883	0.011865	0.120949	0
TMEM25	0.282103	0.011924	0.121366	0
TMEM170	-0.31063	0.011925	0.121366	0
STAT6	0.233744	0.011948	0.121453	0
ZNF30	-0.42373	0.011951	0.121453	0
ASXL3	-0.25806	0.01199	0.121689	0
HPN	0.451372	0.011993	0.121689	0
PDE7A	-0.33328	0.012006	0.121728	0
SMC1A	-0.24379	0.012051	0.122099	0
GTF2IRD1	0.225019	0.012065	0.122127	0
MRPS34	0.219111	0.012073	0.122127	0
SLC35B2	0.265589	0.012109	0.122406	0

VAV3	-0.58788	0.012133	0.122548	0
FBXO3	-0.3283	0.012168	0.122674	0
NDUFC1	0.231767	0.012176	0.122674	0
TMA7	0.225118	0.012177	0.122674	0
CENPH	-0.47572	0.012187	0.122674	0
REV3L	-0.51415	0.012216	0.122674	0
POP1	-0.29056	0.012217	0.122674	0
DDX17	-0.22086	0.012232	0.122674	0
TICRR	-0.26128	0.012238	0.122674	0
S100A10	0.59874	0.012254	0.122674	0
NUFIP2	-0.25182	0.012254	0.122674	0
RAP1B	-0.30904	0.012266	0.122674	0
BZW2	-0.24623	0.012266	0.122674	0
TSPEAR-AS	0.413878	0.012268	0.122674	0
HEATR1	-0.26148	0.012274	0.122674	0
DNPEP	0.260527	0.012285	0.122696	0
SPATA13	-0.44658	0.012319	0.122837	0
SPIN3	-0.41237	0.012325	0.122837	0
FIGNL1	-0.4268	0.012327	0.122837	0
TRPV2	0.269994	0.012346	0.122938	0
RPS23	0.277107	0.012378	0.123163	0
ADAM15	0.211893	0.012477	0.123997	0
BRIP1	-0.31105	0.012483	0.123997	0
COL6A2	0.256402	0.01249	0.123997	0
MFAP3L	-0.36448	0.01252	0.124203	0
CFAP97	-0.29	0.012538	0.124251	0
FIGN	-0.40208	0.012543	0.124251	0
ARFGEF2	-0.24803	0.012594	0.124581	0
ABLIM1	-0.24645	0.012602	0.124581	0
OIP5	-0.38679	0.012605	0.124581	0
IFNGR1	-0.36813	0.012623	0.124666	0
EDEM2	0.282618	0.012697	0.125242	0
HDAC3	0.213764	0.012708	0.125242	0
GOLGA8B	-0.4406	0.012716	0.125242	0
NDRG2	0.302191	0.012719	0.125242	0
RINL	0.263362	0.012766	0.125615	0
PKN1	0.240695	0.012817	0.126025	0
ATCAY	0.638192	0.012848	0.126157	0
USF2	0.24327	0.012853	0.126157	0
LRRC23	0.38515	0.012859	0.126157	0
UBA5	-0.29467	0.012897	0.126356	0
THAP8	0.322065	0.012904	0.126356	0
GAA	0.239619	0.012912	0.126356	0
OTUD5	0.219307	0.012917	0.126356	0

CHFR	0.705383	0.012931	0.126395	0
UBB	0.223806	0.012943	0.126422	0
RPL18	0.232866	0.012983	0.126727	0
CMTM6	-0.26783	0.013001	0.126806	0
ALMS1	-0.32839	0.013038	0.126979	0
MOSMO	-0.33843	0.013038	0.126979	0
CHMP1A	0.234682	0.013058	0.12708	0
TECPR2	0.288208	0.013078	0.127153	0
MCMBP	-0.27837	0.013084	0.127153	0
RBM27	-0.45342	0.013096	0.127171	0
ANKRD27	-0.23806	0.013106	0.127176	0
KRCC1	0.39308	0.013144	0.12742	0
CHROMR	-0.3612	0.01315	0.12742	0
AMPD2	0.228291	0.013168	0.127504	0
GSPT1	-0.2425	0.013187	0.127573	0
RETREG3	0.229594	0.013202	0.127573	0
NEBL	-0.32666	0.013204	0.127573	0
ZNF517	0.371527	0.013255	0.127975	0
PEAK1	-0.25611	0.013279	0.128112	0
UXT	0.241216	0.013331	0.128517	0
TAPBP	0.225708	0.013354	0.128521	0
MARK4	0.239613	0.013356	0.128521	0
SLC16A9	-0.32896	0.01336	0.128521	0
SHMT2	0.229175	0.01337	0.128521	0
DPCD	0.269762	0.01339	0.128602	0
CYBA	0.312397	0.013397	0.128602	0
DHH	0.394361	0.013428	0.128775	0
CDKL5	-0.39878	0.013436	0.128775	0
CRYZL2P	-0.41064	0.013445	0.128775	0
BCAM	0.275996	0.013479	0.128775	0
NUP153	-0.24901	0.01348	0.128775	0
RETREG2	0.2349	0.013481	0.128775	0
MGME1	-0.29778	0.013483	0.128775	0
TRMT112	0.227478	0.013518	0.129013	0
DDX20	-0.27072	0.013531	0.129044	0
FLOT1	0.223409	0.013551	0.129127	0
PSME1	0.217784	0.013559	0.129127	0
UTP20	-0.33169	0.013573	0.129136	0
WDR83	0.293278	0.013581	0.129136	0
ZNF143	-0.33821	0.013603	0.129136	0
RYR1	0.311843	0.013604	0.129136	0
MAPK8	-0.32645	0.013608	0.129136	0
C11orf16	0.25725	0.013623	0.129191	0
CCDC77	-0.4336	0.013701	0.129794	0

HYAL1	0.284115	0.013729	0.129794	0
AL158152.	-0.57338	0.013763	0.129794	0
TRAP1	0.231439	0.013772	0.129794	0
KIF21A	-0.33517	0.013783	0.129794	0
PET100	-0.46497	0.013785	0.129794	0
SREBF2	0.221225	0.01379	0.129794	0
ACTR1B	0.239905	0.013792	0.129794	0
TRNAU1AF	0.251902	0.013792	0.129794	0
EXOSC3	-0.30405	0.013796	0.129794	0
LDB1	0.215964	0.0138	0.129794	0
SCNN1A	0.227596	0.013804	0.129794	0
USP47	-0.32231	0.013821	0.129849	0
GON4L	-0.24459	0.013829	0.129849	0
EIF4G3	-0.23959	0.013848	0.129931	0
FAM86B1	0.437684	0.0139	0.130329	0
MGAT1	0.238557	0.013955	0.130753	0
ZNF593	0.271347	0.013979	0.130841	0
NDN	0.245386	0.013984	0.130841	0
MCM8	-0.38428	0.014008	0.130846	0
GRB14	-0.33772	0.014009	0.130846	0
AC023593.	-0.96532	0.014014	0.130846	0
JMJD1C-A9	0.467615	0.01405	0.131092	0
SEPTIN11	-0.25296	0.014072	0.131112	0
CD81	0.217555	0.014083	0.131112	0
PRDX3	-0.24724	0.014098	0.131112	0
LDHD	0.373956	0.014106	0.131112	0
FAM122C	-0.75075	0.014107	0.131112	0
ANAPC1	-0.29	0.014111	0.131112	0
PFKFB4	0.260612	0.014147	0.131348	0
TGFB3	0.347167	0.014182	0.131524	0
RPS15A	0.259763	0.01419	0.131524	0
GCAT	0.234849	0.014195	0.131524	0
FOXM1	-0.19742	0.014209	0.13156	0
BTG3	-0.35748	0.014232	0.131686	0
ANKRD34A	0.328132	0.014261	0.131864	0
LAMTOR4	0.23462	0.014296	0.132095	0
FRRS1	-0.27712	0.014326	0.132178	0
SNX27	-0.22522	0.014335	0.132178	0
ANGEL2	-0.30458	0.014345	0.132178	0
TTK	-0.39848	0.014347	0.132178	0
DIP2B	-0.24024	0.014355	0.132178	0
EEF1D	0.211224	0.014379	0.132276	0
RPSAP61	0.701715	0.014394	0.132276	0
MMRN2	0.22933	0.014403	0.132276	0

KIAA1841	-0.39231	0.014405	0.132276	0
HACD2	-0.29577	0.014434	0.132447	0
USP28	-0.25328	0.014451	0.132487	0
SELENOW	0.240294	0.014458	0.132487	0
SUV39H2	-0.36804	0.01447	0.132506	0
DCP2	-0.27827	0.014491	0.132605	0
EIF5A2	-0.42993	0.014518	0.132622	0
TBC1D32	-0.36871	0.01452	0.132622	0
TSC22D4	0.23175	0.014522	0.132622	0
SRRM3	0.243163	0.014553	0.132745	0
TIMM17B	0.238287	0.014556	0.132745	0
BST2	0.212601	0.014566	0.132745	0
SDF4	0.216163	0.014578	0.132769	0
CIAO3	0.263243	0.014593	0.132809	0
RTTN	-0.3794	0.014604	0.132818	0
AP2A1	0.213875	0.014627	0.132868	0
THOC6	0.247081	0.014629	0.132868	0
GATA2	0.264861	0.014644	0.13291	0
SELENOI	-0.28524	0.014659	0.132956	0
RWDD2B	-0.30647	0.014731	0.133517	0
NATD1	0.418643	0.01475	0.133541	0
TECR	0.230308	0.014753	0.133541	0
UBE2N	-0.27819	0.014809	0.133878	0
SELENOP	0.432728	0.014837	0.133878	0
SPDL1	-0.31349	0.01484	0.133878	0
WDR75	-0.28406	0.014848	0.133878	0
SFXN1	-0.22483	0.014855	0.133878	0
MRC2	0.232543	0.014859	0.133878	0
HNRNPH3	-0.25328	0.014865	0.133878	0
COMMD2	-0.29663	0.014871	0.133878	0
BRD7	-0.27488	0.014897	0.134022	0
AIF1L	0.217433	0.014919	0.134134	0
COQ10B	-0.3632	0.014964	0.134412	0
GABBR1	-0.28952	0.014974	0.134412	0
TM9SF2	-0.22743	0.014998	0.134412	0
ZNF655	-0.28163	0.014999	0.134412	0
HS1BP3	0.24701	0.015004	0.134412	0
HELZ	-0.24033	0.015011	0.134412	0
CEP295	-0.4319	0.015045	0.134627	0
STX7	-0.29795	0.015063	0.134699	0
FNTB	0.283366	0.015085	0.134777	0
MT-ND3	0.218765	0.015101	0.134777	0
IRAK1	0.217896	0.015114	0.134777	0
ZNF106	-0.22264	0.015121	0.134777	0

AL353763.	-0.76487	0.015122	0.134777	0
CHSY1	-0.30593	0.015149	0.134842	0
SCYL1	0.229876	0.015153	0.134842	0
PLPPR3	0.302078	0.015163	0.134842	0
SEMA4B	0.250687	0.01517	0.134842	0
IBTK	-0.29957	0.015193	0.134934	0
ZNF496	0.219127	0.015209	0.134934	0
RAB10	-0.23444	0.015213	0.134934	0
SLF2	-0.28468	0.015221	0.134934	0
OGFRP1	0.346385	0.015255	0.134938	0
MPST	0.23345	0.015266	0.134938	0
NKX2-2	0.689283	0.015278	0.134938	0
CHPF2	0.243621	0.015293	0.134938	0
GRIN2D	0.227559	0.015308	0.134938	0
AC015813.	-0.36607	0.015311	0.134938	0
CBX5	-0.2241	0.015323	0.134938	0
MCM4	-0.24151	0.015326	0.134938	0
ZNF574	0.238223	0.015332	0.134938	0
LZTS2	0.218432	0.015333	0.134938	0
GSTZ1	0.371766	0.015345	0.134938	0
PMM1	0.247914	0.015363	0.134938	0
PTBP2	-0.43103	0.015365	0.134938	0
FDX1	-0.28664	0.015374	0.134938	0
SERTAD3	0.235636	0.015375	0.134938	0
NENF	0.222094	0.015383	0.134938	0
PRDM15	-0.28905	0.015412	0.134988	0
AKT1	0.235531	0.015422	0.134988	0
CNOT6	-0.26448	0.015425	0.134988	0
AL671710.	-0.77822	0.015429	0.134988	0
CNOT9	-0.20959	0.015472	0.135268	0
CHCHD6	0.287231	0.015497	0.135401	0
SENP3	0.269608	0.015527	0.135462	0
DDX1	-0.23778	0.015527	0.135462	0
MMGT1	-0.37424	0.015535	0.135462	0
NUDT16L1	0.269446	0.015571	0.135462	0
PSME2	0.19771	0.015588	0.135462	0
DNM2	0.215002	0.015593	0.135462	0
FAM43B	0.311589	0.015602	0.135462	0
NME4	0.212957	0.015611	0.135462	0
RBMS1	-0.27884	0.015612	0.135462	0
LINC02361	0.407486	0.015613	0.135462	0
TNKS1BP1	0.244078	0.015616	0.135462	0
ATF2	-0.25475	0.015647	0.13559	0
DDX5	-0.23308	0.01568	0.13559	0

PSD3	-0.26606	0.015697	0.13559	0
SFMBT2	-0.31119	0.015702	0.13559	0
RAB31	-0.24672	0.015721	0.13559	0
LRP1	0.235628	0.015725	0.13559	0
DNASE1L1	0.238601	0.015732	0.13559	0
DDHD2	-0.25858	0.015732	0.13559	0
UGGT1	-0.23748	0.015738	0.13559	0
TSPAN17	0.233433	0.015741	0.13559	0
RNF6	-0.3115	0.015762	0.13559	0
QTRT2	-0.30708	0.015768	0.13559	0
EEF1B2	0.199858	0.015769	0.13559	0
AC012313	-0.29818	0.015773	0.13559	0
PHYHD1	0.228243	0.015803	0.135717	0
LGR5	-0.29268	0.015808	0.135717	0
PIP5KL1	0.350419	0.015879	0.136225	0
E2F3	-0.28124	0.015888	0.136225	0
DBN1	0.212126	0.015929	0.136476	0
RPL13AP5	0.382237	0.015948	0.136476	0
UBE2C	-0.21658	0.015949	0.136476	0
TMED2	-0.24517	0.015958	0.136476	0
ZNF777	0.249221	0.016007	0.13667	0
WDR6	0.213965	0.016035	0.13667	0
NCAPG2	-0.31173	0.016038	0.13667	0
ERBB2	0.22821	0.016051	0.13667	0
SORBS3	0.228596	0.016053	0.13667	0
TACC1	-0.41514	0.016059	0.13667	0
CEP192	-0.27681	0.016079	0.13667	0
NARS	-0.26756	0.016087	0.13667	0
CSNK1G2	0.216348	0.016098	0.13667	0
SPIRE2	0.246418	0.016106	0.13667	0
WDR5B	-0.43826	0.01611	0.13667	0
CISD3	0.258147	0.01612	0.13667	0
SERINC1	-0.27062	0.016131	0.13667	0
TIMP1	0.206298	0.016133	0.13667	0
CTSD	0.259266	0.016134	0.13667	0
AC132938	-0.47124	0.016158	0.136781	0
C6orf223	0.715592	0.016173	0.136781	0
KCNAB2	0.264499	0.016186	0.136781	0
ALKBH1	-0.3747	0.016188	0.136781	0
YOD1	-0.39551	0.016281	0.137392	0
AL096701	-0.75696	0.016293	0.137392	0
NAF1	-0.29188	0.016296	0.137392	0
CTSF	0.284842	0.016302	0.137392	0
NDUFB11	0.210125	0.016322	0.13741	0

SLC39A13	0.245677	0.016331	0.13741	0
YJU2	0.250943	0.016335	0.13741	0
EDEM1	-0.22269	0.01637	0.137616	0
SLC35C2	0.247243	0.016381	0.137621	0
ACAA1	0.240557	0.016404	0.137648	0
WHAMMP	-0.61527	0.016405	0.137648	0
SNX13	-0.32947	0.016421	0.137681	0
CEP55	-0.39848	0.016429	0.137681	0
MTERF3	-0.321	0.016453	0.137791	0
AC097639	-0.67131	0.016471	0.137856	0
RPL12	0.19156	0.016496	0.137983	0
ZYX	0.223023	0.016515	0.138054	0
SLC4A2	0.233548	0.016543	0.138066	0
SYNGR2	0.271231	0.016544	0.138066	0
WDR45	0.26576	0.016548	0.138066	0
TM2D3	-0.29044	0.016563	0.138076	0
TPK1	-0.47772	0.016586	0.138076	0
RPRD1B	-0.23868	0.016587	0.138076	0
PUS7	-0.28	0.01659	0.138076	0
EME1	-0.29793	0.016617	0.138122	0
ZNF146	-0.32456	0.016621	0.138122	0
DNPH1	0.233568	0.016627	0.138122	0
THAP4	0.219972	0.016638	0.138129	0
CNP	0.209953	0.016657	0.138203	0
RPL21	0.213168	0.016681	0.138315	0
AGTPBP1	-0.38074	0.016701	0.138396	0
MICB	0.247913	0.016713	0.138403	0
VPS9D1	0.285303	0.016759	0.138646	0
AASDHPPT	-0.25936	0.016763	0.138646	0
MEA1	0.209085	0.016775	0.138662	0
FAM107B	-0.4094	0.016789	0.138694	0
MRPL49	0.22231	0.016813	0.1388	0
WIPI2	0.216839	0.016828	0.138838	0
FAM122A	-0.57439	0.016857	0.138994	0
UQCRC1	0.225875	0.016869	0.139011	0
GCH1	-0.60735	0.016936	0.139391	0
GAPVD1	-0.2467	0.016943	0.139391	0
AC022150	-0.49926	0.016947	0.139391	0
KAT2B	-0.36397	0.016964	0.139391	0
FAM91A1	-0.32094	0.016968	0.139391	0
MICAL1	0.293776	0.017042	0.139866	0
S100PBP	-0.26672	0.017047	0.139866	0
OSBPL3	-0.2836	0.017071	0.139984	0
BAK1	0.274184	0.017149	0.140529	0

ALPK3	-0.44516	0.017195	0.14059	0
SORT1	-0.2236	0.017202	0.14059	0
FTCD	0.257563	0.01721	0.14059	0
STKLD1	0.612882	0.017224	0.14059	0
TAB1	0.234351	0.017231	0.14059	0
APH1A	0.220572	0.017238	0.14059	0
ZGRF1	-0.55647	0.017241	0.14059	0
TAF1	-0.23932	0.017245	0.14059	0
WDR36	-0.26945	0.017251	0.14059	0
HMBS	0.228462	0.017299	0.140844	0
KLHL22	0.232896	0.017307	0.140844	0
ABCB10	-0.28454	0.017314	0.140844	0
GOLGA4	-0.49016	0.017332	0.140898	0
STX4	0.240046	0.017345	0.140898	0
RAD18	-0.37093	0.017352	0.140898	0
ATP1B2	0.265326	0.017369	0.140951	0
PHF5A	0.215024	0.017383	0.140975	0
TLE5	0.217077	0.017445	0.14124	0
PSMD6	-0.25585	0.017452	0.14124	0
FAM122B	-0.32253	0.017455	0.14124	0
H3F3AP4	-0.87332	0.017474	0.14124	0
GPR63	-0.33318	0.017475	0.14124	0
CTSK	-0.48084	0.017479	0.14124	0
SLC29A2	0.205747	0.017501	0.141262	0
PPIP5K2	-0.3036	0.017503	0.141262	0
RHOB	0.249767	0.017517	0.141292	0
MKLN1	-0.25466	0.017544	0.141346	0
SNX17	0.230182	0.017548	0.141346	0
AP5M1	-0.3255	0.017556	0.141346	0
ETNK1	-0.29374	0.017577	0.141367	0
ZSWIM8	0.223346	0.017579	0.141367	0
KLHL5	-0.25019	0.017653	0.141629	0
TPD52L2	0.200186	0.017658	0.141629	0
PPP1R16A	0.252784	0.017658	0.141629	0
SGK3	-0.38561	0.017665	0.141629	0
HDDC3	0.266331	0.017678	0.141629	0
UTP6	-0.23054	0.017699	0.141629	0
TOGARAM	-0.36616	0.017702	0.141629	0
BEST1	-1.17042	0.017704	0.141629	0
MCRS1	0.209594	0.017708	0.141629	0
B4GALT2	0.22078	0.017787	0.142046	0
CLPTM1	0.207278	0.01779	0.142046	0
FBXW4P1	0.672677	0.017792	0.142046	0
BPTF	-0.2484	0.017861	0.142439	0

PGAM1	0.199029	0.017867	0.142439	0
MFN1	-0.27983	0.017878	0.142439	0
MON1A	0.275937	0.017884	0.142439	0
CBLN3	0.331672	0.017922	0.142555	0
ZBTB7B	0.23426	0.017933	0.142555	0
ADAM17	-0.23133	0.017943	0.142555	0
BRCC3	-0.3111	0.017953	0.142555	0
PLS1	-0.30646	0.017956	0.142555	0
AL355802.	-0.66025	0.017962	0.142555	0
SH2D3A	0.34715	0.017989	0.142618	0
CLBA1	0.356635	0.017995	0.142618	0
PAX2	0.268476	0.01801	0.142618	0
SNX10	-0.35657	0.01802	0.142618	0
POGLUT3	-0.23441	0.018024	0.142618	0
AL513165.	0.387327	0.018038	0.142646	0
GET1	-0.38879	0.01805	0.142659	0
AP1M2	0.255496	0.01814	0.14315	0
FRMD3	-0.59688	0.018143	0.14315	0
TWISTNB	-0.33827	0.018145	0.14315	0
ARRB2	0.196259	0.018171	0.143225	0
POMZP3	0.300776	0.018178	0.143225	0
PTPMT1	0.249215	0.018197	0.143225	0
DDX21	-0.22569	0.018197	0.143225	0
WDR18	0.226376	0.018211	0.143246	0
RPS7P1	0.308732	0.018236	0.143314	0
PPP2R5A	-0.27294	0.018241	0.143314	0
AP4M1	0.233013	0.018283	0.143565	0
TNFRSF14	0.271733	0.0183	0.143607	0
RBCK1	0.206969	0.018331	0.143713	0
ATF1	-0.3378	0.018351	0.143713	0
CTSA	0.216952	0.018362	0.143713	0
PLSCR1	-0.3597	0.018369	0.143713	0
PHLDB1	0.20927	0.01837	0.143713	0
POLA1	-0.35146	0.018378	0.143713	0
ABHD11-A	0.494989	0.018426	0.143934	0
SPPL2A	-0.25449	0.018438	0.143934	0
AL121753.	0.52919	0.018438	0.143934	0
EVI5L	0.258297	0.018458	0.144004	0
DESI2	-0.30127	0.018474	0.144046	0
PRSS53	-0.36837	0.018495	0.14412	0
RAD23B	-0.23362	0.018516	0.144136	0
TWSG1	-0.32094	0.018526	0.144136	0
XRCC5	-0.23852	0.018529	0.144136	0
FLYWCH1	0.243433	0.018555	0.144254	0

NR1H3	0.247092	0.018623	0.144678	0
ENOSF1	-0.26473	0.018635	0.144678	0
PPA2	-0.23263	0.018652	0.144678	0
NF1P8	-0.63269	0.018653	0.144678	0
NKTR	-0.31121	0.018666	0.144693	0
TXNDC16	-0.41419	0.018699	0.144862	0
WNT2B	-0.44942	0.018724	0.144917	0
LMNA	0.212994	0.018727	0.144917	0
MRPL55	0.219738	0.018744	0.144963	0
ETFDH	-0.2929	0.01876	0.144999	0
AXL	0.208773	0.018838	0.14549	0
USP20	0.245384	0.018845	0.14549	0
UGDH	-0.25281	0.018868	0.14553	0
DACT3	0.332417	0.018872	0.14553	0
APOOL	-0.29447	0.018963	0.146146	0
SLC25A40	-0.26196	0.018999	0.146311	0
TLNRD1	-0.24989	0.019006	0.146311	0
NIT2	-0.25509	0.019037	0.146437	0
SHARPIN	0.244613	0.019045	0.146437	0
FNDC4	0.44586	0.019068	0.146536	0
DDX46	-0.23815	0.019095	0.146659	0
TFPT	0.255028	0.019133	0.146845	0
ICE2	-0.34639	0.019142	0.146845	0
PPHLN1	-0.275	0.019181	0.147059	0
PLEKHM2	0.224487	0.019203	0.147144	0
CYB5R1	0.240997	0.019236	0.147317	0
ZDHHC12	0.241284	0.019261	0.147352	0
PSMD10	-0.27844	0.019271	0.147352	0
AC092645	-0.40156	0.019274	0.147352	0
HMG3	0.214069	0.019302	0.147439	0
ANLN	-0.30729	0.019308	0.147439	0
MRPL14	0.230926	0.019338	0.147451	0
BTF3L4	-0.25156	0.019339	0.147451	0
FAU	0.208116	0.019356	0.147451	0
TTC38	0.219988	0.019369	0.147451	0
TDRD3	-0.24164	0.019369	0.147451	0
AMFR	0.20775	0.019376	0.147451	0
ARHGDI3	0.283712	0.019392	0.147495	0
SESN2	0.211949	0.019414	0.147575	0
OCIAD1	-0.24828	0.019466	0.147823	0
NOC2L	0.213446	0.019482	0.147823	0
KHDRBS3	-0.40853	0.019495	0.147823	0
CFD	0.311524	0.019497	0.147823	0
CATIP	0.430837	0.019502	0.147823	0

FLII	0.202856	0.019516	0.147835	0
HMGB2	-0.27181	0.01953	0.147835	0
EFCAB14	-0.24971	0.01954	0.147835	0
TNKS2	-0.28437	0.019548	0.147835	0
MIR5047	-0.33714	0.019576	0.147846	0
PIAS1	-0.30755	0.019584	0.147846	0
TIAL1	-0.22477	0.019596	0.147846	0
TRPV4	0.233506	0.019599	0.147846	0
INTS7	-0.27862	0.019605	0.147846	0
HSDL2	-0.28576	0.01964	0.147997	0
SCLT1	-0.35938	0.019647	0.147997	0
CD58	-0.40672	0.019676	0.14813	0
DVL2	0.219947	0.01973	0.148457	0
SMIM4	0.310515	0.019764	0.148601	0
AC034236	0.430301	0.01978	0.148601	0
MDN1	-0.21475	0.019803	0.148601	0
DTL	-0.27742	0.019818	0.148601	0
ZC3HAV1L	-0.32367	0.019822	0.148601	0
PLPP7	0.263364	0.019828	0.148601	0
MOB4	-0.40968	0.019842	0.148601	0
MICAL2	-0.60046	0.01985	0.148601	0
PKP4	-0.21866	0.01985	0.148601	0
SBF2	-0.2888	0.019872	0.148681	0
DLK2	0.325722	0.019916	0.148792	0
DNAJC13	-0.27493	0.019919	0.148792	0
PCBP1-AS1	-0.24963	0.019928	0.148792	0
PABPC1L	-0.2843	0.019931	0.148792	0
NUP42	-0.35935	0.019952	0.148831	0
CREB3	0.250029	0.019959	0.148831	0
ARSK	-0.37326	0.020037	0.149329	0
RBBP8	-0.32805	0.02005	0.149344	0
DPY19L1	-0.28631	0.020069	0.149403	0
KLC4	0.302849	0.020134	0.149803	0
GAK	0.207326	0.020151	0.149836	0
ARMCX5	-0.33078	0.020161	0.149836	0
RHBDF1	0.230106	0.020194	0.149991	0
ALG6	-0.40458	0.020204	0.149991	0
NIPBL-DT	-0.2993	0.020235	0.149996	0
CDCA3	-0.22142	0.020244	0.149996	0
ACER3	-0.32732	0.020247	0.149996	0
HMG20B	0.212755	0.02025	0.149996	0
SLC38A2	-0.21025	0.020267	0.15002	0
MYO7A	0.268069	0.020277	0.15002	0
POP7	0.242131	0.020287	0.15002	0

ANKRD18A	-0.72852	0.020356	0.150359	0
AC008124	-0.32005	0.020356	0.150359	0
UHMK1	-0.24368	0.020367	0.150359	0
COL26A1	0.257912	0.020415	0.150602	0
QARS	0.208198	0.020422	0.150602	0
UPK1A-AS1	0.387899	0.020443	0.150672	0
ELF4	0.216888	0.020474	0.150748	0
DHX29	-0.29521	0.020476	0.150748	0
MAP3K20	-0.23183	0.020502	0.150857	0
SACM1L	-0.29538	0.020603	0.151515	0
HNRNPA3	-0.21823	0.020652	0.151705	0
GPB1	0.270988	0.020657	0.151705	0
COL16A1	0.598965	0.020663	0.151705	0
IPO7	-0.26072	0.020706	0.151939	0
COX10	-0.28486	0.020718	0.151945	0
UBA1	0.20697	0.020752	0.152101	0
CIZ1	0.193974	0.020767	0.152101	0
CYB5R3	0.192781	0.020774	0.152101	0
SPIRE1	-0.26743	0.020795	0.152172	0
RAB40C	0.253206	0.020817	0.152254	0
SNRNP70	0.200304	0.02084	0.152337	0
COQ8A	0.219343	0.020855	0.15236	0
CLDN19	0.257042	0.020876	0.152429	0
GLCC1	-0.39199	0.020935	0.152613	0
ELOB	0.21305	0.020956	0.152613	0
NAPB	-0.37796	0.02097	0.152613	0
CIP2A	-0.35484	0.02098	0.152613	0
C12orf10	0.215233	0.020996	0.152613	0
FRS2	-0.31645	0.021004	0.152613	0
VBP1	-0.27716	0.021009	0.152613	0
MAPRE2	-0.27222	0.021018	0.152613	0
KIF17	0.295102	0.021025	0.152613	0
TRIT1	-0.26329	0.02103	0.152613	0
ARL3	0.209902	0.021051	0.152613	0
SCO2	0.288742	0.021067	0.152613	0
TP53TG1	0.233655	0.021072	0.152613	0
BCAP31	0.206669	0.021077	0.152613	0
PYCR3	0.246826	0.021098	0.152613	0
NTMT1	0.227143	0.021104	0.152613	0
BRI3	0.241554	0.021105	0.152613	0
SCAMP2	0.202441	0.021123	0.152613	0
RTL8C	0.207408	0.021137	0.152613	0
DEF8	0.211399	0.021145	0.152613	0
CCDC153	0.314566	0.021152	0.152613	0

ZNF215	-0.32936	0.021163	0.152613	0
MED1	-0.23191	0.021174	0.152613	0
NUDT3	-0.23633	0.021176	0.152613	0
ULBP3	-0.54535	0.0212	0.152706	0
ZNF264	-0.24912	0.021218	0.152755	0
PKIG	0.265092	0.02123	0.152755	0
PLXNB2	0.218292	0.02129	0.15303	0
STRIP2	-0.33053	0.021309	0.15303	0
LINC00342	-0.49638	0.021321	0.15303	0
PPP1R3F	0.255779	0.021325	0.15303	0
RPS6KA4	0.219663	0.021336	0.15303	0
PLEKHH3	0.239821	0.021337	0.15303	0
STMN1	-0.19689	0.021351	0.153048	0
SLC47A1	-0.61728	0.021373	0.153122	0
RBBP7	-0.23144	0.021389	0.153156	0
PIFO	0.35861	0.021408	0.153212	0
DNAJC10	-0.28277	0.021421	0.153219	0
AKAP10	-0.30367	0.021446	0.153322	0
ABCF3	0.211456	0.021468	0.153386	0
PPP2CA	-0.25021	0.02148	0.153386	0
CLPX	-0.25067	0.02149	0.153386	0
AL596202.	-0.59047	0.021514	0.153479	0
GUCD1	0.200424	0.02154	0.153579	0
KANK4	0.682503	0.021566	0.153685	0
DNAJB2	0.213513	0.02159	0.153774	0
CXXC1	0.256058	0.021615	0.153807	0
TEX15	-0.47732	0.021618	0.153807	0
TAF6L	0.237177	0.02163	0.153807	0
TUBGCP5	-0.28043	0.021643	0.153819	0
ZBTB41	-0.38841	0.021696	0.154114	0
GADD45GI	0.216993	0.021707	0.154114	0
OSBPL5	0.270676	0.02182	0.154708	0
SNRPD2	0.200203	0.02183	0.154708	0
SRP14	0.191022	0.02183	0.154708	0
RFESD	-0.68357	0.021838	0.154708	0
HERC5	-0.44748	0.021904	0.154935	0
TALDO1	0.188365	0.021907	0.154935	0
COX14	0.279859	0.021919	0.154935	0
CHUK	-0.31623	0.021921	0.154935	0
SRSF10	-0.28037	0.021938	0.154935	0
TMEM161	-0.47946	0.021949	0.154935	0
CCDC51	0.228631	0.021951	0.154935	0
ZNF449	-0.45172	0.021978	0.155046	0
CSNK1A1	-0.22089	0.022001	0.155066	0

ACER2	-0.50675	0.022004	0.155066	0
SMAD5	-0.2518	0.022106	0.155671	0
ZNF524	0.258974	0.022119	0.155671	0
ZNF263	0.20501	0.022125	0.155671	0
IFI35	0.281145	0.022187	0.155962	0
DDX58	-0.32134	0.022209	0.155962	0
RRM2	-0.2254	0.02221	0.155962	0
G6PC3	0.229528	0.022213	0.155962	0
ABHD2	-0.2414	0.02232	0.15663	0
BCR	0.214402	0.022333	0.156631	0
RAC1	-0.21257	0.022344	0.156631	0
MRPS36	-0.3069	0.022371	0.156728	0
GLRX2	-0.32761	0.022382	0.156728	0
IRF3	0.207184	0.022393	0.156728	0
LIMS2	0.309103	0.022433	0.156914	0
CNPY3	0.214664	0.022443	0.156914	0
COMMD1	0.230734	0.022478	0.157074	0
GOLGB1	-0.35326	0.022517	0.157241	0
PAN3	-0.30122	0.022525	0.157241	0
AMOTL2	-0.26079	0.022571	0.157476	0
UCKL1	0.239066	0.022612	0.157681	0
APIP	-0.33225	0.022635	0.157757	0
DPM3	0.256111	0.022666	0.157892	0
SFT2D2	-0.24257	0.022735	0.158289	0
IQCB1	-0.27476	0.022748	0.158296	0
BMI1	-0.28903	0.022778	0.158346	0
HIGD2A	0.190262	0.022782	0.158346	0
HNRNPAB	-0.19329	0.022791	0.158346	0
AP001273	-0.77609	0.022814	0.158427	0
NSUN2	-0.20332	0.02293	0.158987	0
INTS6L	-0.3224	0.022935	0.158987	0
THAP7	0.246709	0.022942	0.158987	0
AC097493	0.397124	0.022952	0.158987	0
FLNC	0.215519	0.022954	0.158987	0
GHR	-0.43709	0.022976	0.159054	0
FBXO34	-0.24162	0.023	0.159139	0
SOX12	0.197663	0.023069	0.159514	0
POLDIP3	0.218389	0.023094	0.159514	0
NOL10	-0.25448	0.023097	0.159514	0
JMJD4	0.243504	0.023102	0.159514	0
SEH1L	-0.26464	0.023123	0.159575	0
RGS14	0.226749	0.023144	0.159635	0
HMGB1	-0.24304	0.023162	0.159679	0
USP34	-0.20715	0.023199	0.1598	0

ASH1L	-0.22894	0.023213	0.1598	0
RMND5A	-0.21557	0.023216	0.1598	0
MORN4	0.256117	0.02326	0.159976	0
HIST1H1C	0.230999	0.023265	0.159976	0
E2F6	-0.26267	0.023277	0.159976	0
UBE2J1	-0.2189	0.023289	0.159979	0
WAC	-0.24158	0.023313	0.159993	0
ABCA5	-0.46733	0.023316	0.159993	0
TPRA1	0.210443	0.023353	0.160167	0
HPS6	0.240341	0.023416	0.160517	0
HEATR5B	-0.26077	0.023437	0.16058	0
SYNE4	0.232919	0.023461	0.16058	0
ZFPL1	0.224684	0.023471	0.16058	0
KLHL8	-0.26932	0.023473	0.16058	0
FGFR1OP	-0.40908	0.023496	0.160615	0
PAFAH1B2	-0.2224	0.023503	0.160615	0
IL17RE	0.275924	0.023539	0.16078	0
PAPOLA	-0.24456	0.023624	0.161277	0
ASPSCR1	0.216892	0.023644	0.161335	0
KATNAL2	-0.56833	0.023662	0.161373	0
RABEP2	0.24504	0.02369	0.161416	0
MAPK9	-0.25417	0.023692	0.161416	0
RRP9	0.214943	0.02372	0.161521	0
DAPK3	0.228746	0.023739	0.161569	0
DROSHA	-0.20394	0.023768	0.161682	0
PSMB5	0.200565	0.023796	0.16179	0
UBTD1	0.27293	0.023867	0.162191	0
NOB1	0.187264	0.02393	0.162536	0
ZNF358	0.227237	0.023949	0.162583	0
SIX5	0.218974	0.023988	0.162764	0
MIR9-3HG	-0.34164	0.024052	0.163023	0
LDLR	0.207122	0.024057	0.163023	0
UBAC1	0.201014	0.024063	0.163023	0
NAA30	-0.30447	0.024077	0.163038	0
CCDC167	0.235549	0.024099	0.163079	0
DHRS7B	0.280255	0.024125	0.163079	0
ADAM10	-0.22938	0.024147	0.163079	0
SLC30A9	-0.2629	0.024152	0.163079	0
ZNF518A	-0.35241	0.024168	0.163079	0
YWHAG	-0.20114	0.024182	0.163079	0
WAPL	-0.24387	0.024188	0.163079	0
STRA6	0.462121	0.024209	0.163079	0
DCAF17	-0.25573	0.02421	0.163079	0
TXNRD2	0.212733	0.024213	0.163079	0

MFSD14B	-0.24748	0.024218	0.163079	0
LSM10	0.215866	0.024245	0.163152	0
RPL7A	0.185265	0.024269	0.163152	0
CSGALNAC	0.562079	0.024271	0.163152	0
RASL11A	0.353169	0.024287	0.163152	0
PPP2CB	-0.22852	0.02429	0.163152	0
SLC27A5	0.267901	0.024366	0.163496	0
MOCS2	-0.25607	0.024367	0.163496	0
NOVA1	-0.28165	0.024378	0.163496	0
HOMEZ	0.220969	0.02441	0.163627	0
AL354836.	-0.59431	0.024472	0.163962	0
RTN4	-0.20363	0.024538	0.164324	0
TSPAN4	0.266332	0.024562	0.164384	0
TMEM167.	-0.24946	0.024582	0.164384	0
CDIP1	0.222853	0.024586	0.164384	0
RNPEPL1	0.241897	0.024597	0.164384	0
RANBP2	-0.31898	0.024613	0.164406	0
KHDC4	-0.22581	0.024625	0.164406	0
RHOG	0.241766	0.024661	0.164441	0
CAPRIN1	-0.22661	0.024668	0.164441	0
POLR2G	0.192855	0.024677	0.164441	0
ABCG4	-0.61253	0.024679	0.164441	0
GOLGA2	0.185219	0.024742	0.164781	0
MAK16	-0.29468	0.024759	0.16481	0
B3GALNT2	-0.2387	0.024788	0.164877	0
GLI1	0.265675	0.024806	0.164877	0
PAXIP1	-0.2527	0.024806	0.164877	0
LYST	-0.38935	0.024829	0.164944	0
SLC12A2	-0.28445	0.024868	0.165119	0
AC009133.	-0.85054	0.024894	0.165147	0
SLC30A1	0.361566	0.024898	0.165147	0
BBC3	0.235208	0.024909	0.165147	0
TIGD1	-0.41296	0.024928	0.165191	0
ZNF621	-0.24774	0.024948	0.165206	0
KIFC1	-0.19521	0.024964	0.165206	0
RPS6KA3	-0.24281	0.024967	0.165206	0
AL121601.	0.661838	0.024998	0.165325	0
COPB1	-0.23651	0.025034	0.16544	0
ATP2B1	-0.2696	0.02504	0.16544	0
ENTPD6	0.218543	0.025056	0.165465	0
PHF23	0.192434	0.025096	0.165647	0
UBE2D3-A	0.38833	0.025125	0.165758	0
R3HCC1	0.210638	0.025176	0.165904	0
VPS45	-0.2681	0.025177	0.165904	0

MIER1	-0.30951	0.025193	0.165904	0
TMEM256	0.293345	0.025213	0.165904	0
PELI3	0.24752	0.025213	0.165904	0
NPHP3	-0.51192	0.02523	0.165904	0
RILP	0.272153	0.025254	0.165904	0
TYW1B	-0.50754	0.025276	0.165904	0
NDUFAF3	0.203965	0.025288	0.165904	0
STEAP2	-0.27088	0.025301	0.165904	0
AC005332	-0.35149	0.025307	0.165904	0
TMEM53	0.289298	0.025351	0.165904	0
SLC4A7	-0.34275	0.025359	0.165904	0
CARMIL1	-0.25769	0.025381	0.165904	0
CASP8AP2	-0.45738	0.025382	0.165904	0
NEAT1	-0.29487	0.025386	0.165904	0
IL17RC	0.256821	0.025397	0.165904	0
R3HDM1	-0.20316	0.025402	0.165904	0
EIF3F	0.19084	0.025408	0.165904	0
CDC42EP5	0.225588	0.025411	0.165904	0
CPSF4	0.20766	0.025421	0.165904	0
AL355488	-0.34202	0.025423	0.165904	0
CHEK2	-0.22785	0.025465	0.165904	0
HIPK1	-0.23071	0.025466	0.165904	0
IFI6	0.254992	0.025468	0.165904	0
RPUSD4	0.205985	0.025486	0.165904	0
ICA1L	-0.3539	0.025494	0.165904	0
UBA7	0.360136	0.025507	0.165904	0
PTENP1-A	-0.59778	0.025508	0.165904	0
KIF1BP	-0.28797	0.025532	0.165979	0
WDR47	-0.26138	0.025545	0.165983	0
DHX9	-0.21225	0.025571	0.165983	0
MINK1	0.199756	0.025583	0.165983	0
PKP3	0.221125	0.025587	0.165983	0
USP48	-0.22402	0.025601	0.165983	0
CERS2	0.174907	0.025639	0.165983	0
MBD2	-0.64983	0.02564	0.165983	0
MCM9	-0.4217	0.025641	0.165983	0
LAMB2	0.221866	0.025664	0.165983	0
AASDH	-0.40014	0.025668	0.165983	0
TBC1D25	0.257487	0.02567	0.165983	0
RNASEH2B	-0.29981	0.025707	0.16604	0
ANXA2R	0.489	0.025717	0.16604	0
TAF6	0.194267	0.025724	0.16604	0
MTCH1	0.195139	0.025734	0.16604	0
AL590133	-1.05383	0.025748	0.16604	0

STRBP	-0.23813	0.025753	0.16604	0
ATP2C1	-0.2271	0.025798	0.16612	0
RNH1	0.206499	0.0258	0.16612	0
PLK3	0.269853	0.025803	0.16612	0
FOXJ1	0.201572	0.025847	0.166323	0
LAPTM4B	-0.2199	0.025896	0.166557	0
CCM2	0.217544	0.02592	0.166593	0
AP2S1	0.190773	0.025927	0.166593	0
CSPG4	0.215273	0.026001	0.166992	0
PPP2R5E	-0.27735	0.026031	0.167065	0
THBS1	-0.57616	0.026048	0.167065	0
TRAM2	-0.21311	0.02605	0.167065	0
FOCAD	-0.2161	0.0261	0.167161	0
AC027307	0.262567	0.026106	0.167161	0
FASN	0.190898	0.026113	0.167161	0
UTP11	-0.2756	0.026132	0.167161	0
LMF1	0.252675	0.026135	0.167161	0
FANCM	-0.55598	0.026151	0.167161	0
CABYR	-0.32701	0.026153	0.167161	0
CNOT1	-0.23532	0.026167	0.167172	0
TMEM231	0.28505	0.026186	0.16721	0
ZNF207	-0.21441	0.026215	0.167314	0
SRSF7	-0.22979	0.026227	0.167314	0
GNPAT	-0.20385	0.026257	0.167359	0
C19orf25	0.260766	0.026268	0.167359	0
ATP6V0E2	0.294029	0.02628	0.167359	0
AP4E1	-0.32874	0.026284	0.167359	0
AC125807	-0.34706	0.02631	0.167376	0
SMG1P3	-0.72402	0.026312	0.167376	0
EIF3K	0.180906	0.026361	0.167577	0
NCBP3	-0.21659	0.026375	0.167577	0
PCMTD2	-0.30693	0.026382	0.167577	0
PAICS	-0.23461	0.026429	0.167757	0
EMC2	-0.36739	0.026435	0.167757	0
ZNF467	0.258437	0.026464	0.167846	0
NCOA3	-0.23375	0.026474	0.167846	0
PITPNB	-0.23352	0.026547	0.16823	0
GINS1	-0.23796	0.026576	0.168332	0
SPTBN5	0.383597	0.026663	0.168787	0
LARGE2	0.225827	0.026679	0.168787	0
AVL9	-0.22463	0.026686	0.168787	0
TRIB2	-0.24271	0.026707	0.168842	0
B4GALT7	0.235813	0.026775	0.16912	0
FAR1	-0.28751	0.026777	0.16912	0

PDGFRB	0.230593	0.026808	0.169156	0
SHPRH	-0.26973	0.026828	0.169156	0
CLSTN1	0.190811	0.026852	0.169156	0
ATM	-0.26922	0.026853	0.169156	0
UBA3	-0.27034	0.026858	0.169156	0
PPP1CA	0.203945	0.026862	0.169156	0
HID1	0.276707	0.026878	0.169156	0
NIN	-0.24083	0.026884	0.169156	0
ATG4A	-0.40048	0.026905	0.16921	0
TGFBR2	-0.26417	0.026922	0.169236	0
ZBTB6	-0.41001	0.026951	0.16934	0
CSRNP1	0.253456	0.026975	0.169407	0
APPBP2	-0.21749	0.02701	0.169551	0
STAMPB	-0.21952	0.027135	0.170253	0
AK3	-0.2305	0.027193	0.170538	0
ZNF280D	-0.40456	0.027215	0.170569	0
NEK2	-0.30129	0.027224	0.170569	0
ZNHIT1	0.200595	0.027259	0.170713	0
ATP6V0B	0.210834	0.027292	0.170839	0
RBBP4	-0.19762	0.027305	0.17084	0
CDKN1A	0.210188	0.027363	0.171051	0
AC106786	0.366643	0.027365	0.171051	0
NDUFS6	0.202224	0.027398	0.171178	0
ZNF224	-0.33054	0.027427	0.171281	0
SMIM1	0.323739	0.027511	0.171397	0
TRIM21	0.238743	0.027535	0.171397	0
NIBAN2	0.230296	0.027542	0.171397	0
SOCS3	0.25554	0.027544	0.171397	0
BRF1	0.230159	0.027565	0.171397	0
MEGF9	-0.39681	0.027566	0.171397	0
ABCA1	-0.34303	0.027583	0.171397	0
ASGR1	0.473852	0.027583	0.171397	0
SLA2	0.298637	0.027608	0.171397	0
PSMD8	0.182906	0.027615	0.171397	0
CCDC113	-0.40443	0.027617	0.171397	0
RAB37	0.541892	0.027625	0.171397	0
AKT1S1	0.195114	0.027636	0.171397	0
AC009005	0.274154	0.027652	0.171397	0
HERC2P2	-0.3341	0.027665	0.171397	0
CEBPZ	-0.2734	0.027669	0.171397	0
DDIAS	-0.41216	0.02769	0.171397	0
BIN3	0.236705	0.027695	0.171397	0
MEAK7	0.230534	0.02772	0.171397	0
COX4I1	0.180482	0.027729	0.171397	0

WDR43	-0.23189	0.027742	0.171397	0
CYP27B1	-0.45163	0.027751	0.171397	0
TBK1	-0.29282	0.027768	0.171397	0
FAM86EP	0.382053	0.027785	0.171397	0
MIS12	-0.27031	0.027785	0.171397	0
CEP350	-0.26355	0.027788	0.171397	0
TLCD1	0.260429	0.027793	0.171397	0
CUEDC1	0.219621	0.027823	0.171507	0
FBL	0.176047	0.02786	0.17157	0
VANGL1	-0.22381	0.027863	0.17157	0
FBXW9	0.245532	0.027872	0.17157	0
RIMKLB	-0.22869	0.027916	0.171677	0
DRAM1	-0.2511	0.027928	0.171677	0
SCAMP4	0.206045	0.027928	0.171677	0
NDUFB9	0.175824	0.027965	0.171826	0
ACY1	0.342218	0.027985	0.171845	0
DOCK9	-0.25014	0.027994	0.171845	0
GTF2H2	-0.39301	0.028032	0.171859	0
RNF40	0.194124	0.028044	0.171859	0
MSRA	0.315043	0.028047	0.171859	0
GRSF1	-0.20844	0.028048	0.171859	0
TMX3	-0.31627	0.028077	0.171954	0
MCAT	0.243067	0.028115	0.172036	0
LCOR	-0.26125	0.028117	0.172036	0
PCNX4	-0.24114	0.028134	0.172036	0
ATAD5	-0.48007	0.028142	0.172036	0
PTPN23	0.198151	0.028235	0.172467	0
ARID2	-0.22981	0.028249	0.172467	0
C3orf18	0.268025	0.028253	0.172467	0
DDX10	-0.26998	0.028264	0.172467	0
CRY1	-0.31384	0.028311	0.17262	0
KIAA2013	0.199744	0.028315	0.17262	0
RTBDN	0.333301	0.02839	0.172971	0
LOXL1	0.254871	0.028407	0.172971	0
ATP5ME	0.188002	0.028425	0.172971	0
AGO2	-0.20898	0.028434	0.172971	0
EIF2B4	0.180855	0.028442	0.172971	0
ALKBH7	0.21615	0.02845	0.172971	0
TFDP1	-0.18766	0.028514	0.173169	0
TMEM19	-0.31291	0.028518	0.173169	0
MKNK2	0.186282	0.028525	0.173169	0
SOAT1	-0.25292	0.028535	0.173169	0
FAM32A	0.195475	0.028564	0.173187	0
DLL3	0.255405	0.02857	0.173187	0

C17orf80	-0.23746	0.028584	0.173187	0
NR2F2-AS1	-0.4871	0.028604	0.173187	0
USP5	0.191776	0.028612	0.173187	0
CNEP1R1	-0.3384	0.028639	0.173187	0
CSNK2A1	-0.21092	0.028646	0.173187	0
LIMK1	0.207754	0.028651	0.173187	0
AP001324	0.298568	0.028654	0.173187	0
STXBP4	-0.27054	0.028675	0.173196	0
FUZ	0.236012	0.028682	0.173196	0
AC100810	0.26609	0.028705	0.173253	0
RFC3	-0.36782	0.028721	0.173253	0
DHRS4	0.268996	0.028735	0.173253	0
MYDGF	0.202497	0.028743	0.173253	0
KIAA2026	-0.32432	0.028783	0.173304	0
MAP3K12	0.189147	0.028791	0.173304	0
SLAIN2	-0.25703	0.028801	0.173304	0
RPL39L	0.204844	0.028804	0.173304	0
GCG	0.321122	0.028849	0.173367	0
USP15	-0.34835	0.028853	0.173367	0
PEX10	0.23394	0.028853	0.173367	0
ZNF83	-0.3366	0.028922	0.173665	0
ZC3H7B	0.186353	0.028929	0.173665	0
ACP2	0.228871	0.028961	0.173665	0
PDK2	0.203999	0.028966	0.173665	0
HSH2D	0.328137	0.028968	0.173665	0
EEF1AKMT	0.260416	0.029	0.173779	0
GRPEL2	-0.28612	0.029064	0.174027	0
MKKS	-0.2503	0.02907	0.174027	0
ZFYVE19	0.227839	0.029088	0.174027	0
SPATA20	0.249106	0.029094	0.174027	0
PIGN	-0.28346	0.029139	0.174188	0
CYP4V2	-0.29742	0.029157	0.174188	0
ZNF446	0.234747	0.029162	0.174188	0
FILIP1L	-0.34922	0.029173	0.174188	0
BASP1	-0.60058	0.029217	0.174298	0
SIX2	0.206358	0.029226	0.174298	0
DCXR	0.199895	0.029262	0.174298	0
SH3BP5-AS1	-0.34	0.029263	0.174298	0
RGS4	-0.53212	0.029274	0.174298	0
SLC5A4-AS1	0.504069	0.029282	0.174298	0
ACADM	-0.23694	0.029283	0.174298	0
BATF2	0.276174	0.029365	0.174683	0
TMEM179	0.240582	0.029379	0.174683	0
DEAF1	0.214323	0.029394	0.174683	0

PRSS57	0.659059	0.0294	0.174683	0
CHMP2B	-0.28811	0.029456	0.17494	0
KATNA1	-0.27927	0.029478	0.174993	0
CLIP4	-0.27312	0.029493	0.175	0
LY6G5B	-0.44848	0.02951	0.175023	0
DHX30	0.191316	0.029533	0.175023	0
KIF2C	-0.18504	0.029542	0.175023	0
EBI3	0.316295	0.029549	0.175023	0
HPRT1	-0.249	0.029589	0.175119	0
AC091133	0.502522	0.029592	0.175119	0
PWWP2B	0.234136	0.029648	0.175378	0
RSKR	-0.47296	0.029675	0.175456	0
CENPBD1P	0.218359	0.029716	0.175588	0
FAAHP1	0.446348	0.029739	0.175588	0
DBNL	0.203116	0.029748	0.175588	0
SUN2	-0.19678	0.029769	0.175588	0
DDX52	-0.24051	0.029783	0.175588	0
BRD8	-0.19284	0.029804	0.175588	0
ZNF266	-0.24036	0.029804	0.175588	0
ITPK1	0.203049	0.029805	0.175588	0
AL137002	-0.49814	0.029816	0.175588	0
PDS5A	-0.24035	0.029855	0.175745	0
NDUFB4	0.181227	0.029887	0.175852	0
LEO1	-0.2578	0.029958	0.176165	0
UBAC2	0.186316	0.029989	0.176165	0
CKS2	0.20736	0.03	0.176165	0
LSM2	0.211331	0.030005	0.176165	0
AC007389	-0.60529	0.030027	0.176165	0
ELP6	0.220071	0.030037	0.176165	0
ZNF526	0.226953	0.030043	0.176165	0
CCAR1	-0.24962	0.030046	0.176165	0
SERTAD1	0.221072	0.030096	0.176383	0
B3GNT10	-0.45134	0.030117	0.176431	0
BAIAP2L2	0.311492	0.030149	0.17649	0
PCM1	-0.244	0.030154	0.17649	0
PIP4P1	0.241999	0.0302	0.176684	0
TAB3	-0.28804	0.030232	0.176793	0
CDC42SE2	-0.26893	0.03025	0.176819	0
MRPL20	0.184234	0.030274	0.17688	0
EIF1AX	-0.27055	0.030316	0.177051	0
EHBP1	-0.24408	0.030388	0.177312	0
CSK	0.197638	0.030389	0.177312	0
GK5	-0.26726	0.030409	0.177312	0
PRC1	-0.5456	0.030426	0.177312	0

MAPK8IP1	0.246011	0.030441	0.177312	0
MED16	0.203239	0.030465	0.177312	0
MCTS2P	-0.36609	0.030473	0.177312	0
GPN3	-0.28929	0.030479	0.177312	0
CA13	-0.45373	0.030481	0.177312	0
ZP3	0.264636	0.030507	0.177388	0
AGER	-0.34241	0.030598	0.17775	0
POFUT2	0.222298	0.030635	0.17775	0
NVL	-0.24119	0.03064	0.17775	0
SMARCE1	-0.24981	0.030644	0.17775	0
PLK1	-0.18125	0.030655	0.17775	0
SNHG29	0.169902	0.030656	0.17775	0
GCSH	-0.6658	0.030668	0.17775	0
PRKAR1B	0.234996	0.030683	0.17775	0
TMC4	0.270379	0.030692	0.17775	0
AL118558.	0.520742	0.030703	0.17775	0
SLC27A3	-0.30604	0.030716	0.17775	0
RPL27	0.179721	0.030771	0.177935	0
TTC32	-0.48934	0.030775	0.177935	0
BCL7C	0.196927	0.030827	0.178109	0
CHADL	0.280173	0.030832	0.178109	0
ZNHIT2	0.268564	0.03086	0.178163	0
PRKDC	-0.20392	0.030868	0.178163	0
TACC3	-0.17361	0.030936	0.178229	0
FMO5	-0.65808	0.030939	0.178229	0
CSTF1	-0.24887	0.030963	0.178229	0
LUC7L3	-0.31427	0.030968	0.178229	0
ACVR2B	-0.2557	0.030974	0.178229	0
KDM7A-D1	-0.45218	0.030977	0.178229	0
SLC35A2	0.231844	0.030986	0.178229	0
CAMK1	0.207452	0.030993	0.178229	0
TBC1D12	-0.29378	0.030999	0.178229	0
PRRG2	0.334878	0.031059	0.178443	0
ENTPD4	-0.24339	0.031063	0.178443	0
DHCR24	0.183258	0.03108	0.178463	0
AL365181.	0.321003	0.031152	0.178743	0
NAA15	-0.28121	0.031165	0.178743	0
SMARCD2	0.191727	0.03119	0.178743	0
MAPK1	-0.21666	0.031196	0.178743	0
SNHG10	-0.39807	0.031208	0.178743	0
CPT1C	0.192638	0.031209	0.178743	0
LTV1	-0.32643	0.031231	0.178792	0
TMEM184	-0.26577	0.031255	0.178853	0
AFG3L1P	-0.28807	0.031286	0.178943	0

SRSF3	-0.18416	0.031298	0.178943	0
C22orf46	-0.25892	0.03138	0.179337	0
DENND1B	-0.54147	0.031404	0.179395	0
SLC25A11	0.219879	0.031429	0.179435	0
MMP11	0.313796	0.031438	0.179435	0
RBPJ	-0.28275	0.031529	0.179877	0
PHB	0.175539	0.031563	0.17999	0
RHNO1	-0.25096	0.031576	0.17999	0
CLPP	0.186324	0.031613	0.180126	0
TRAPPC6A	0.286928	0.031673	0.180368	0
EXTL3-AS1	-0.5682	0.031708	0.180368	0
PDXP	-0.47914	0.031715	0.180368	0
HM13	0.182958	0.031721	0.180368	0
ELK4	-0.26938	0.031729	0.180368	0
ITPKA	0.221176	0.031737	0.180368	0
MB	0.539632	0.031778	0.180524	0
SAFB2	-0.2241	0.031811	0.180566	0
GPR89B	-0.57995	0.031812	0.180566	0
RPAP3	-0.29676	0.031884	0.180801	0
LRRC56	0.250068	0.031906	0.180801	0
LBX2-AS1	0.341113	0.031933	0.180801	0
KMT5B	-0.24126	0.031938	0.180801	0
PLRG1	-0.23497	0.031949	0.180801	0
KTN1	-0.32229	0.031968	0.180801	0
LINC01578	-0.23061	0.031982	0.180801	0
ANKRD36E	-0.59643	0.031984	0.180801	0
HIF1A	-0.20302	0.031991	0.180801	0
FGFR3	0.303087	0.031993	0.180801	0
ZNF664	-0.20288	0.032026	0.180801	0
LAMTOR5	0.18521	0.032028	0.180801	0
DGCR6L	0.245827	0.032037	0.180801	0
DVL1	0.192132	0.032043	0.180801	0
KLF9	-0.29397	0.032121	0.181079	0
FLAD1	0.196536	0.032128	0.181079	0
IARS2	-0.21111	0.032164	0.181079	0
BNIP3L	-0.2141	0.032182	0.181079	0
CCNB1IP1	0.185025	0.0322	0.181079	0
OTUD4	-0.23856	0.032205	0.181079	0
AC108449	-0.56633	0.032206	0.181079	0
MARCH2	0.233876	0.032209	0.181079	0
TTC13	-0.24352	0.032232	0.181079	0
NCR3LG1	-0.27863	0.032237	0.181079	0
TNXB	0.46141	0.032249	0.181079	0
CRNDE	-0.38155	0.032276	0.181079	0

TCHP	-0.28862	0.032301	0.181079	0
SLC23A2	-0.19312	0.032303	0.181079	0
RPL37A	0.189971	0.032308	0.181079	0
PDCD4	-0.22381	0.032331	0.181079	0
CHST10	0.192925	0.032335	0.181079	0
SAT2	0.204922	0.032337	0.181079	0
PBK	-0.31265	0.032398	0.181116	0
IL21R	0.239649	0.032408	0.181116	0
CAMSAP3	0.396927	0.032416	0.181116	0
OMA1	-0.39565	0.032417	0.181116	0
DUSP12	-0.21957	0.032419	0.181116	0
TMEM51-1	-0.49445	0.032474	0.181391	0
RIC1	-0.24126	0.032564	0.181805	0
AMD1	-0.24495	0.032588	0.181805	0
RBBP9	-0.24241	0.032595	0.181805	0
NFE2L2	-0.25387	0.032603	0.181805	0
EIF3D	0.168766	0.032648	0.181981	0
ZCCHC14	-0.22281	0.032668	0.182014	0
CDK17	-0.32906	0.032694	0.182085	0
TBL3	0.190049	0.032712	0.182107	0
PLA2G15	0.235542	0.032744	0.182199	0
SRPK1	-0.23486	0.032756	0.182199	0
IARS	-0.20587	0.032774	0.182225	0
MDM4	-0.23525	0.032821	0.182396	0
SYN2	0.232663	0.032832	0.182396	0
ZNF887P	-0.68808	0.032926	0.182748	0
AC138409	-0.44891	0.032926	0.182748	0
ZFP36L2	-0.25916	0.032969	0.182748	0
CDV3	-0.19001	0.03298	0.182748	0
CCDC8	0.180616	0.033009	0.182748	0
VPS35	-0.22389	0.033019	0.182748	0
SZRD1	0.181851	0.03302	0.182748	0
SLC39A9	-0.2075	0.033024	0.182748	0
C2CD3	-0.23227	0.033029	0.182748	0
HSPA9	-0.20381	0.033043	0.182748	0
NCR3	0.416388	0.033046	0.182748	0
PASK	-0.22528	0.033076	0.182836	0
CDK18	0.208501	0.033109	0.182931	0
AC009126	-0.69586	0.033123	0.182931	0
KAT6A	-0.19319	0.033136	0.182931	0
WDR35	-0.25865	0.033148	0.182931	0
COLGALT1	0.193405	0.03317	0.182979	0
DDI2	-0.22513	0.033195	0.183038	0
AC016876	0.267404	0.033232	0.183165	0

PRMT3	-0.28598	0.033255	0.183218	0
CYP20A1	-0.34016	0.033333	0.183515	0
RAB5C	0.197494	0.033336	0.183515	0
RBM39	-0.19347	0.033353	0.183533	0
RABL3	-0.34168	0.03337	0.183548	0
OGFR	0.187358	0.033389	0.183567	0
POLR1D	0.173848	0.033402	0.183567	0
GMPS	-0.2086	0.033417	0.183567	0
PHTF2	-0.24296	0.03343	0.183567	0
GSTM1	0.196984	0.033442	0.183567	0
MCUB	-0.22424	0.033465	0.183619	0
DDR1	0.198613	0.033502	0.183744	0
PIR	0.205555	0.033598	0.184194	0
PER1	0.203373	0.033627	0.184212	0
SNPH	0.251713	0.033629	0.184212	0
AC009113	-0.37863	0.033721	0.184464	0
LRRC41	0.188951	0.033726	0.184464	0
PTOV1	0.19737	0.033728	0.184464	0
SKA2	-0.23384	0.03374	0.184464	0
ARHGAP1	0.186632	0.03376	0.184464	0
NECAB3	0.21893	0.033762	0.184464	0
PPWD1	-0.3	0.033772	0.184464	0
CRYZ	-0.27887	0.033818	0.184625	0
PEX3	-0.34383	0.033829	0.184625	0
DYSF	0.320111	0.033883	0.184847	0
RFWD3	-0.21074	0.033962	0.185202	0
GLS	-0.2441	0.034034	0.18552	0
CENPI	-0.34672	0.034053	0.185543	0
TM9SF3	-0.23432	0.034068	0.185553	0
GPC1	0.209357	0.034097	0.185603	0
NAP1L5	-0.37918	0.034122	0.185603	0
PLCD1	0.290554	0.034125	0.185603	0
RTL8A	0.197275	0.034182	0.185603	0
NDUFS1	-0.17828	0.034184	0.185603	0
MDFI	0.628268	0.034194	0.185603	0
CCDC121	-0.37781	0.034201	0.185603	0
MGST2	0.261593	0.034203	0.185603	0
EGFR	-0.25894	0.034218	0.185603	0
FAM229A	-0.41147	0.034233	0.185603	0
SUPV3L1	-0.21288	0.034255	0.185603	0
SLC37A3	-0.21355	0.034258	0.185603	0
ZFH2	0.294432	0.034259	0.185603	0
FBXW11	-0.21743	0.034303	0.185769	0
BLM	-0.34093	0.034334	0.185862	0

ENO3	0.218712	0.034354	0.185893	0
BRCA2	-0.63931	0.03439	0.185985	0
IPO11	-0.26721	0.034401	0.185985	0
STXBP2	0.214579	0.034413	0.185985	0
CDC23	-0.20903	0.034459	0.186143	0
RBM7	-0.33767	0.03448	0.186143	0
DUSP19	-0.45381	0.034485	0.186143	0
UBL5	0.192554	0.034498	0.186143	0
AC092747	-0.53116	0.034523	0.186206	0
NSD2	-0.18131	0.034545	0.186223	0
MTBP	-0.37197	0.03456	0.186223	0
ARHGEF39	-0.23362	0.034568	0.186223	0
LIMA1	-0.20239	0.034616	0.186405	0
NUDT18	0.324903	0.034653	0.186463	0
KATNB1	0.217489	0.034702	0.186463	0
CAMSAP1	-0.18544	0.034712	0.186463	0
TAF1A	-0.38804	0.03472	0.186463	0
GSTM4	0.188527	0.034752	0.186463	0
TPM4	-0.18942	0.034755	0.186463	0
ZNF473	-0.22918	0.034757	0.186463	0
SHC1	0.183108	0.03476	0.186463	0
PISD	0.240223	0.034761	0.186463	0
AC005363	-0.476	0.034767	0.186463	0
UIMC1	-0.23025	0.034835	0.186644	0
GASK1B	-0.41035	0.034852	0.186644	0
BEX3	0.172179	0.034854	0.186644	0
SLBP	-0.22539	0.034866	0.186644	0
SHOC2	-0.30973	0.034871	0.186644	0
FDFT1	0.177417	0.034901	0.186664	0
DNTTIP2	-0.37796	0.034902	0.186664	0
RGS3	0.243498	0.03495	0.186846	0
ZDHHHC8P1	0.270694	0.034978	0.186918	0
PTPN13	-0.22622	0.035001	0.186965	0
FLVCR1	-0.22067	0.035101	0.187346	0
KIN	-0.34881	0.03511	0.187346	0
EBLN3P	-0.27118	0.035119	0.187346	0
TGFBR3L	0.544238	0.035128	0.187346	0
MFSD11	-0.23686	0.035146	0.187363	0
PTGES2	0.215213	0.035187	0.187503	0
TFAM	-0.27308	0.0352	0.187503	0
ZNF549	-0.29192	0.035231	0.187585	0
DCAF10	-0.21894	0.035243	0.187585	0
GGNBP2	-0.23091	0.035306	0.187845	0
MYL4	0.593132	0.035343	0.187907	0

SEC63	-0.24978	0.035356	0.187907	0
PREPL	-0.221	0.03536	0.187907	0
HSPB11	-0.25779	0.035391	0.187997	0
TADA3	0.195489	0.03542	0.188072	0
GAS6-AS1	-0.4184	0.035452	0.188152	0
UNC5B	-0.38554	0.035493	0.188152	0
GPBAR1	0.448385	0.035495	0.188152	0
TTC37	-0.34576	0.0355	0.188152	0
SPAG4	0.284675	0.035505	0.188152	0
C1orf122	0.20169	0.035539	0.188255	0
ACBD3	-0.23006	0.035635	0.188433	0
CCDC107	0.245804	0.035642	0.188433	0
HDHD3	0.240505	0.035645	0.188433	0
SLC30A6	-0.25264	0.035648	0.188433	0
PNPT1	-0.2444	0.035695	0.188433	0
SIRT2	0.205587	0.035699	0.188433	0
PRKRA	-0.21875	0.035706	0.188433	0
CYB5D2	0.234013	0.035723	0.188433	0
RIOX2	-0.23482	0.035725	0.188433	0
FBXL18	0.226976	0.035727	0.188433	0
SPAG1	-0.38422	0.03574	0.188433	0
SWI5	0.259168	0.035773	0.188433	0
SP3	-0.21843	0.03578	0.188433	0
WNK1	-0.18377	0.035798	0.188433	0
PTPRK	-0.28761	0.035799	0.188433	0
TMEM167	-0.18762	0.035836	0.188433	0
POLR2J4	0.371963	0.035843	0.188433	0
MLF2	0.172576	0.035849	0.188433	0
SMYD5	0.201479	0.035853	0.188433	0
CAND1	-0.22538	0.035855	0.188433	0
ACSF3	0.231291	0.035897	0.188548	0
PON2	-0.23934	0.035905	0.188548	0
TTF2	-0.19372	0.035959	0.188755	0
AP000781	-0.69729	0.035976	0.188773	0
AGFG1	-0.2443	0.036006	0.188853	0
TSN	-0.21239	0.036063	0.189081	0
SNRPN	0.17484	0.036102	0.189192	0
VPS25	0.186198	0.036123	0.189192	0
GPAA1	0.191169	0.036175	0.189192	0
PSMB3	0.18215	0.036176	0.189192	0
ADAT1	-0.3141	0.03619	0.189192	0
TARSL2	-0.31336	0.036196	0.189192	0
DCAF16	-0.24739	0.036209	0.189192	0
GPR89A	-0.37369	0.03621	0.189192	0

AL080243.	0.606278	0.03622	0.189192	0
WBP2	0.175821	0.036226	0.189192	0
TEAD1	-0.23466	0.036296	0.189482	0
PSMD14	-0.21082	0.036388	0.189886	0
LATS2	-0.21011	0.036468	0.190179	0
OXSRI	-0.22046	0.036472	0.190179	0
PHGDH	0.180272	0.036521	0.190338	0
BOP1	0.187658	0.036532	0.190338	0
PCBD1	0.169772	0.036612	0.190681	0
CNN2	0.18115	0.036646	0.190714	0
FBLN1	0.178556	0.036656	0.190714	0
NUAK1	-0.61262	0.036667	0.190714	0
KLHL23	-0.24632	0.036716	0.190714	0
MOB2	0.243989	0.036717	0.190714	0
RPS14	0.195809	0.036739	0.190714	0
FKBP5	-0.18893	0.03674	0.190714	0
RFFL	-0.24738	0.036746	0.190714	0
COL1A2	0.203641	0.036747	0.190714	0
TJP1	-0.22371	0.036804	0.190788	0
AL356019.	0.580035	0.03682	0.190788	0
MIB2	0.196941	0.036829	0.190788	0
TNRC6A	-0.19645	0.036838	0.190788	0
SETD1B	0.195729	0.036848	0.190788	0
SNHG12	-0.26755	0.036855	0.190788	0
LRRC40	-0.31468	0.036861	0.190788	0
DBF4	-0.25598	0.03689	0.190864	0
TAF1B	-0.29751	0.036919	0.190942	0
SMC5	-0.32119	0.036999	0.19128	0
NBPF12	-0.2509	0.037031	0.191345	0
PHB2	0.169912	0.037071	0.191345	0
PDS5B	-0.24326	0.037093	0.191345	0
DCUN1D4	-0.26921	0.037093	0.191345	0
KPNA3	-0.2561	0.037115	0.191345	0
NIPA2	-0.2054	0.037124	0.191345	0
MICA	0.219078	0.037137	0.191345	0
DCTN1	0.173617	0.037142	0.191345	0
DSTN	-0.18805	0.037159	0.191345	0
IPO5	-0.20847	0.037198	0.191345	0
GGT7	0.218134	0.037198	0.191345	0
HOXC11	0.177396	0.037207	0.191345	0
FBXO17	0.193462	0.037213	0.191345	0
NOP56P1	-0.43253	0.037224	0.191345	0
CD2AP	-0.35474	0.037227	0.191345	0
LMO7-AS1	0.585627	0.037295	0.191582	0

MLXIPL	0.566036	0.037302	0.191582	0
APOBEC3C	0.483843	0.037331	0.191628	0
ZNF254	-0.43008	0.03734	0.191628	0
DEDD2	0.23807	0.037363	0.191658	0
SELENOF	-0.23214	0.037374	0.191658	0
RASIP1	0.220738	0.037441	0.191871	0
CDK12	-0.19146	0.03745	0.191871	0
S100A4	0.193535	0.037477	0.191871	0
GPATCH8	-0.19522	0.037478	0.191871	0
RMI2	-0.23653	0.037498	0.191871	0
C1GALT1C	-0.33478	0.037502	0.191871	0
FASTK	0.17745	0.037541	0.191998	0
ABHD5	-0.27588	0.037681	0.192584	0
CBFB	-0.25061	0.037688	0.192584	0
VPS26A	-0.23145	0.037713	0.192584	0
NCKAP1	-0.20183	0.037725	0.192584	0
HOXC-AS1	0.430911	0.037728	0.192584	0
ERCC6L	-0.3166	0.037744	0.192591	0
ERLEC1	-0.20553	0.037805	0.192831	0
ARFIP1	-0.29257	0.03788	0.193138	0
TSC1	-0.19272	0.037907	0.193202	0
ITGA5	0.216884	0.037926	0.193222	0
YARS	0.170054	0.03794	0.193222	0
TCF19	-0.21239	0.038027	0.193532	0
SNRPE	-0.2611	0.03803	0.193532	0
CCDC117	-0.23013	0.038092	0.193772	0
LOXL2	0.193087	0.038149	0.193866	0
EIF4E2	0.170505	0.038155	0.193866	0
TMEM8A	0.181893	0.038164	0.193866	0
BRCA1	-0.25936	0.038168	0.193866	0
RPS16	0.179371	0.0382	0.19392	0
SSR1	-0.21667	0.038217	0.19392	0
DCTN6	-0.29083	0.038223	0.19392	0
PPM1M	0.261236	0.038265	0.194011	0
RRAGC	-0.28809	0.038276	0.194011	0
FERMT2	-0.23608	0.038284	0.194011	0
CCNT1	-0.22905	0.038325	0.19414	0
ZHX1	-0.28028	0.038349	0.19414	0
PTPN11	-0.21165	0.038364	0.19414	0
ZNF420	-0.46823	0.038381	0.19414	0
MCL1	-0.17614	0.038382	0.19414	0
TMEM115	0.220866	0.038513	0.194724	0
XPO7	-0.18799	0.038576	0.194861	0
PTAR1	-0.26578	0.038583	0.194861	0

ABCD3	-0.24166	0.038584	0.194861	0
STK38L	-0.34229	0.038624	0.194994	0
SCAP	0.198786	0.038663	0.195117	0
ZNF44	-0.35069	0.038685	0.195154	0
RPS26	0.193846	0.038723	0.195157	0
ZFYVE1	0.231057	0.038726	0.195157	0
SRP9	-0.23946	0.03873	0.195157	0
TAGLN2	0.192759	0.038824	0.195501	0
DDIT4	0.195715	0.038828	0.195501	0
PPIG	-0.29245	0.03886	0.19559	0
SMCHD1	-0.22951	0.038918	0.195807	0
ZMYM2	-0.20963	0.038945	0.195871	0
FXYD5	0.238878	0.038974	0.195942	0
SURF2	0.250458	0.039022	0.196108	0
TMED7	-0.28035	0.039057	0.196213	0
P2RY11	0.45197	0.039112	0.196412	0
RBM12B	-0.22981	0.039182	0.196694	0
NUCKS1	-0.19961	0.039223	0.196799	0
OGA	-0.19604	0.039233	0.196799	0
SLC17A7	0.217389	0.03926	0.196859	0
PGM3	-0.23911	0.03928	0.196885	0
F2R	-0.27906	0.039308	0.196952	0
NUP205	-0.22649	0.039336	0.196972	0
DNAJC3-D	-0.4794	0.039341	0.196972	0
APOM	-0.59331	0.039373	0.197049	0
PIGW	-0.34151	0.039386	0.197049	0
C1R	0.175979	0.039427	0.197116	0
STRADB	-0.25584	0.039429	0.197116	0
ZFP91	-0.2121	0.039453	0.197164	0
RPL35A	0.194089	0.03953	0.197317	0
CBX6	0.17464	0.039535	0.197317	0
HCFC1R1	0.228668	0.039536	0.197317	0
STOML2	0.178497	0.039543	0.197317	0
WASHC2A	0.286401	0.039572	0.197388	0
RPL3P4	0.289758	0.0396	0.197454	0
ZBTB33	-0.28896	0.039626	0.19751	0
PCCA	-0.25825	0.039656	0.197583	0
CENPL	-0.24346	0.039715	0.197802	0
UBL7	0.180834	0.03977	0.198004	0
RPL22	-0.20378	0.039833	0.198244	0
ALG11	-0.37017	0.039871	0.19836	0
CDC123	-0.21416	0.039926	0.198557	0
TRIM16	0.263619	0.039945	0.198578	0
TPTE2P1	0.508874	0.040018	0.198696	0

SCYL2	-0.27911	0.040049	0.198696	0
MAP1LC3A	0.24973	0.040063	0.198696	0
AK4	-0.24608	0.040079	0.198696	0
LANCL1	-0.20456	0.040084	0.198696	0
UBE2G1	-0.22987	0.040085	0.198696	0
BCAT2	0.180949	0.040091	0.198696	0
HIF1AN	0.168967	0.040102	0.198696	0
FBXO45	-0.2284	0.040141	0.198696	0
HSPG2	0.214595	0.040142	0.198696	0
TSC22D2	-0.25726	0.040155	0.198696	0
STAMBPL1	-0.27193	0.04016	0.198696	0
ARID4A	-0.30996	0.040162	0.198696	0
NKX6-1	-0.5639	0.040223	0.198924	0
POLD4	0.35216	0.040257	0.198979	0
BRAF	-0.23926	0.040266	0.198979	0
RPP25	0.215845	0.040279	0.198979	0
ALDH4A1	0.214742	0.040309	0.198979	0
ORMDL1	-0.26854	0.040317	0.198979	0
SLC25A41	0.53516	0.040343	0.198979	0
AAR2	0.203551	0.04035	0.198979	0
TMEM94	0.176542	0.040356	0.198979	0
OAZ2	0.183628	0.040369	0.198979	0
FARSA	0.193345	0.040475	0.199428	0
RASL10B	0.229713	0.0405	0.199478	0
LRRC8B	-0.32909	0.04059	0.19983	0
SLC9A3R2	0.218085	0.040601	0.19983	0
RAB5A	-0.25024	0.040636	0.199928	0
UQCC2	0.181662	0.04073	0.200305	0
CUTALP	-0.25414	0.040743	0.200305	0
VPS36	-0.22665	0.040772	0.200375	0
OS9	0.175033	0.040805	0.200391	0
SEMA4C	0.186414	0.040806	0.200391	0
SLC38A1	-0.18411	0.040829	0.200431	0
RIPPLY2	0.454958	0.040864	0.200475	0
UBE2Z	0.17222	0.040871	0.200475	0
CRIPAK	-0.34221	0.040883	0.200475	0
CEBPG	-0.25006	0.040941	0.200617	0
NUP50	-0.24375	0.040942	0.200617	0
DOK1	0.209587	0.040972	0.200637	0
TSEN34	0.185053	0.040976	0.200637	0
MDH2	0.168988	0.040991	0.200637	0
LY6E	0.193327	0.041011	0.200659	0
PREB	0.170768	0.041074	0.200894	0
RRP1B	-0.18344	0.041091	0.200904	0

PRPF4B	-0.23239	0.041169	0.201143	0
QSOX1	0.191647	0.04117	0.201143	0
SH3GL1	0.18274	0.041207	0.201222	0
NUDT15	-0.24165	0.041236	0.201222	0
DSCC1	-0.28307	0.041253	0.201222	0
GRAMD1C	-0.39173	0.041274	0.201222	0
NXT2	-0.44597	0.041275	0.201222	0
PLA2G3	0.220027	0.041277	0.201222	0
EXOSC4	0.212473	0.041348	0.201497	0
UFSP2	-0.23315	0.041371	0.201532	0
NUP58	-0.23893	0.0414	0.201604	0
USP31	-0.25178	0.041469	0.201865	0
FASTKD5	-0.22868	0.041544	0.202157	0
CNFN	0.307937	0.041594	0.202323	0
USP14	-0.18938	0.041635	0.202449	0
MTERF2	-0.29716	0.041676	0.202576	0
ZNF629	0.172292	0.041746	0.202843	0
CSGALNAC	-0.31775	0.041777	0.202918	0
MRPS12	0.188853	0.041796	0.202937	0
CACHD1	-0.24979	0.041837	0.203065	0
AC006946	-0.35517	0.041859	0.203095	0
RACK1	0.158052	0.04195	0.20335	0
ZNF507	-0.26885	0.041968	0.20335	0
RESF1	-0.51663	0.041972	0.20335	0
CDK5RAP2	-0.21739	0.042005	0.20335	0
CAMSAP2	-0.21926	0.042009	0.20335	0
POLR2B	-0.2192	0.04201	0.20335	0
NBEAL1	-0.45432	0.042028	0.20335	0
TBRG4	0.199711	0.042034	0.20335	0
DNAL4	0.246133	0.042061	0.203377	0
TGIF1	0.193207	0.04207	0.203377	0
IFT80	-0.50389	0.042087	0.203389	0
BMF	0.546475	0.042123	0.203448	0
SRGAP2	-0.17719	0.04213	0.203448	0
PES1	0.16871	0.042148	0.203459	0
PAFAH1B1	-0.17868	0.042171	0.203461	0
IKBKE	0.190358	0.042179	0.203461	0
ZBTB48	0.228291	0.042232	0.203612	0
WDSUB1	-0.25575	0.04224	0.203612	0
GPATCH3	0.231578	0.042256	0.203613	0
PRPF38B	-0.20452	0.042353	0.203936	0
OPN3	-0.24355	0.042353	0.203936	0
NEU4	0.26201	0.042391	0.204045	0
LINC02604	-0.34526	0.042407	0.204045	0

SEC22A	-0.26589	0.042429	0.204078	0
MSRB2	0.220646	0.042445	0.204082	0
Z95115.1	-0.44512	0.042547	0.204496	0
PJVK	-0.47274	0.042598	0.204669	0
UBA6	-0.25059	0.042619	0.20467	0
LRP11	-0.45648	0.042629	0.20467	0
RBBP6	-0.2362	0.042703	0.204914	0
ING4	0.213159	0.042731	0.204914	0
P2RX5	0.29708	0.042741	0.204914	0
GPR3	-0.3364	0.042743	0.204914	0
LYRM9	0.339307	0.042756	0.204914	0
SEPTIN1	0.344558	0.042781	0.204956	0
CMAS	-0.21854	0.042859	0.205121	0
NRBF2	-0.32667	0.042866	0.205121	0
JADE3	-0.24153	0.04287	0.205121	0
PHF11	-0.28348	0.042876	0.205121	0
CSNK2A2	0.19725	0.042987	0.205574	0
KIF1C	0.174642	0.043099	0.206039	0
AUP1	0.173431	0.043167	0.20629	0
SARDH	0.208884	0.043243	0.206512	0
VT11A	-0.23339	0.043245	0.206512	0
KIF27	-0.40592	0.043261	0.206516	0
TMEM54	0.281749	0.043373	0.206947	0
AC139149	0.494075	0.043388	0.206947	0
INTS5	0.21187	0.043401	0.206947	0
TSEN15	-0.23517	0.043413	0.206947	0
GAL3ST1	0.331352	0.043434	0.206971	0
SYTL1	0.217876	0.04348	0.207064	0
C1orf56	0.236452	0.043484	0.207064	0
MT-ND4	0.156892	0.043623	0.207392	0
PPP4R3B	-0.20919	0.043627	0.207392	0
MYOM3	0.454567	0.043629	0.207392	0
WDR90	-0.24114	0.04364	0.207392	0
ATP6V0E2	0.189845	0.043667	0.207392	0
THEM6	0.225345	0.043716	0.207392	0
GCLC	-0.2422	0.043732	0.207392	0
STX12	-0.20947	0.043732	0.207392	0
LSM4	0.16597	0.043739	0.207392	0
AL513550	-0.32183	0.043753	0.207392	0
ZNF423	0.298446	0.043758	0.207392	0
MKRN3	-0.31963	0.043768	0.207392	0
CYC1	0.198246	0.04377	0.207392	0
ZBED8	-0.39389	0.04378	0.207392	0
ERCC2	0.177053	0.043787	0.207392	0

STX5	0.20381	0.043857	0.207649	0
MBNL3	-0.18751	0.04388	0.207684	0
PCDHA13	-0.52324	0.043942	0.207904	0
PBRM1	-0.19896	0.043975	0.20799	0
NPY1R	-0.62229	0.044013	0.208095	0
C19orf53	0.169915	0.044049	0.208188	0
ASNSD1	-0.2982	0.044108	0.208396	0
KIF5B	-0.24697	0.044129	0.20842	0
NHLRC2	-0.24069	0.044152	0.208455	0
AL136454.	0.579076	0.044204	0.208601	0
BOD1L1	-0.26579	0.044226	0.208601	0
TAF9B	-0.30874	0.044232	0.208601	0
PPP4C	0.175162	0.044245	0.208601	0
SYBU	-0.54466	0.044306	0.208812	0
EGLN1	-0.27731	0.044321	0.208812	0
DCP1A	-0.22686	0.044375	0.20899	0
TMEM101	0.176507	0.044426	0.209083	0
NPC2	0.203898	0.044434	0.209083	0
POMGNT1	0.199698	0.044442	0.209083	0
DZIP3	-0.30918	0.044459	0.209091	0
ATE1	-0.25197	0.044478	0.209105	0
PIGB	-0.39103	0.044525	0.209127	0
AP5Z1	0.211466	0.044528	0.209127	0
CSKMT	0.332792	0.044542	0.209127	0
SGCB	-0.24423	0.044553	0.209127	0
UBE2M	0.178182	0.044561	0.209127	0
UVRAG	-0.27741	0.044594	0.209209	0
CBX1	-0.16937	0.044645	0.209374	0
UNC45B	-0.50662	0.044718	0.209643	0
GTF2H2C	-0.37061	0.04479	0.209776	0
PPP1R12C	0.188467	0.044792	0.209776	0
DHX36	-0.23208	0.044793	0.209776	0
WDR12	-0.19475	0.044826	0.209856	0
WDR46	0.179314	0.044863	0.209953	0
CTDSP1	0.172024	0.044902	0.209955	0
CCT2	-0.2	0.044915	0.209955	0
SLC31A1	-0.18406	0.044917	0.209955	0
FAM111A	-0.31458	0.044926	0.209955	0
OGT	-0.18303	0.044964	0.210017	0
UACA	-0.33386	0.044971	0.210017	0
USP24	-0.19034	0.044997	0.210063	0
ZFP62	-0.23108	0.045052	0.210172	0
CERS5	0.187652	0.045061	0.210172	0
FAH	0.207676	0.045073	0.210172	0

TOMM22	0.16358	0.045083	0.210172	0
MAP3K6	0.21438	0.045164	0.210447	0
RBM26-AS	-0.44747	0.045174	0.210447	0
ARHGAP5	-0.29459	0.045219	0.210576	0
CDC42EP3	-0.60402	0.045233	0.210576	0
OSBP2	0.263739	0.045267	0.210595	0
MED27	0.224886	0.045269	0.210595	0
CNTLN	-0.30692	0.0453	0.210606	0
B3GNT8	0.361116	0.045303	0.210606	0
FER	-0.29257	0.045336	0.21069	0
FXR2	0.175859	0.045354	0.210698	0
FAM222A-	0.40167	0.045387	0.21076	0
TMEM68	-0.24072	0.045405	0.21076	0
BAHD1	0.186869	0.045415	0.21076	0
TNFRSF10I	-0.19945	0.04544	0.210806	0
CSNK1D	0.173939	0.045476	0.210855	0
MTPN	-0.21739	0.045483	0.210855	0
UNC50	-0.21828	0.045583	0.211249	0
HES1	0.458023	0.045673	0.211363	0
DOLPP1	0.193399	0.045674	0.211363	0
CTSV	-0.25436	0.045679	0.211363	0
CD276	0.173398	0.045681	0.211363	0
B9D1	0.236236	0.045699	0.211363	0
PRPSAP2	-0.19384	0.045703	0.211363	0
DPH2	0.198025	0.045777	0.211494	0
PHETA1	0.239273	0.045778	0.211494	0
DAGLB	0.221146	0.045779	0.211494	0
EFR3A	-0.20674	0.045797	0.211505	0
LRG1	0.191305	0.045828	0.211573	0
NCSTN	0.169464	0.045864	0.211582	0
MELTF	0.216632	0.045865	0.211582	0
AC010422	-0.47665	0.045877	0.211582	0
INTS12	-0.26622	0.045923	0.211717	0
OGDH	0.172606	0.045989	0.211917	0
IFRD2	0.176455	0.045998	0.211917	0
NDUFB1	0.197865	0.046019	0.211917	0
DGKH	-0.27295	0.04603	0.211917	0
AC243829	0.367291	0.04608	0.212074	0
MT-ND6	0.198664	0.046131	0.212236	0
DUSP9	0.246945	0.046148	0.212243	0
DEF6	0.180195	0.046166	0.212253	0
AL122020	0.342292	0.04625	0.212565	0
GNPNAT1	-0.19937	0.046296	0.212704	0
KHK	0.209748	0.046333	0.21273	0

FKBP14	-0.20967	0.046344	0.21273	0
IPO8	-0.21461	0.04635	0.21273	0
ZNF18	-0.30264	0.046375	0.21276	0
ZDHH9	0.185487	0.046388	0.21276	0
PRPH2	0.218722	0.046481	0.213111	0
GTF2F1	0.163223	0.046518	0.213202	0
STAG3L4	0.266712	0.04655	0.213202	0
ARCN1	-0.17987	0.046568	0.213202	0
BCKDK	0.185504	0.046579	0.213202	0
TUBD1	-0.28503	0.046588	0.213202	0
FBXW2	-0.18829	0.046596	0.213202	0
PUM3	-0.29154	0.046682	0.213488	0
SERP1	-0.18248	0.046691	0.213488	0
RAB11B	0.174988	0.046712	0.213512	0
VCPIP1	-0.29266	0.046829	0.213973	0
ZSWIM4	0.237261	0.046861	0.214045	0
WWP2	0.169503	0.046877	0.214045	0
ZNF571	-0.46319	0.04698	0.214419	0
PIGT	0.17143	0.046991	0.214419	0
RAD1	-0.24952	0.047024	0.214495	0
RAMACL	0.58253	0.04705	0.214539	0
IFIT2	-0.26074	0.04713	0.214833	0
SYNJ2	-0.22869	0.047164	0.214915	0
SLC44A2	0.188763	0.047201	0.21496	0
GIT2	-0.19761	0.047206	0.21496	0
STYXL1	0.212733	0.047259	0.215126	0
NDUFB10	0.168376	0.047285	0.215173	0
CSNK2B	0.22792	0.047305	0.215186	0
SPATA2L	0.213308	0.04738	0.215321	0
ACO2	0.158353	0.047381	0.215321	0
BAIAP2	0.178883	0.047382	0.215321	0
LINC01770	0.465232	0.047473	0.215586	0
RPL37P2	0.419595	0.047473	0.215586	0
ERO1A	-0.19502	0.047523	0.215726	0
STAT1	-0.20846	0.047536	0.215726	0
ZMYM5	-0.34622	0.047557	0.215745	0
TRAPPC8	-0.31552	0.047573	0.215745	0
AP1S2	-0.3394	0.047635	0.215953	0
MACF1	-0.16759	0.047689	0.216001	0
VKORC1L1	-0.19078	0.047704	0.216001	0
WDR33	-0.1654	0.047709	0.216001	0
TTC14	-0.32869	0.04771	0.216001	0
TEX19	0.220101	0.047771	0.21614	0
TAS1R1	0.349891	0.047774	0.21614	0

JAK3	0.229018	0.047858	0.21645	0
CKAP2	-0.26538	0.047876	0.216457	0
LINC01128	-0.25586	0.047925	0.216593	0
SLC44A4	0.206939	0.04796	0.216593	0
LTBP4	0.178608	0.047972	0.216593	0
ORAI1	0.190077	0.047972	0.216593	0
SPEN	-0.16199	0.048019	0.216593	0
ATAD1	-0.24426	0.048021	0.216593	0
GINS3	-0.26648	0.04803	0.216593	0
ATP1B3	-0.17428	0.048036	0.216593	0
EIF4G2	-0.19445	0.048063	0.21664	0
RTKN	0.169263	0.048174	0.217067	0
PPP1R12B	-0.21326	0.048256	0.217308	0
TPD52	-0.25388	0.04826	0.217308	0
PPM1E	-0.30833	0.04833	0.217551	0
PFKM	0.166581	0.048363	0.217628	0
CARS2	0.163845	0.048421	0.217811	0
CYSRT1	0.322945	0.048514	0.218158	0
LRP5	0.179695	0.048548	0.218175	0
IFT46	0.220286	0.048551	0.218175	0
ACAP1	0.255702	0.048608	0.218358	0
RPL18AP3	0.272608	0.048691	0.218502	0
PARD6A	0.297058	0.04871	0.218502	0
MED12L	-0.29771	0.048715	0.218502	0
AC092910	-0.51774	0.04872	0.218502	0
TAP1	0.223138	0.048722	0.218502	0
ZNF133	0.238889	0.048752	0.218566	0
NDUFV1	0.17578	0.048918	0.219236	0
RSRP1	-0.32183	0.048987	0.219392	0
GABARAP	0.297892	0.048992	0.219392	0
DPH1	0.207996	0.049003	0.219392	0
AGPS	-0.20182	0.049052	0.219542	0
MEGF8	0.192792	0.049129	0.219809	0
AL031282	-0.36155	0.049154	0.219851	0
MAFG-DT	0.230476	0.049187	0.219877	0
ISL1	-0.29755	0.049193	0.219877	0
TCF7L1	0.185147	0.049266	0.220129	0
SLC38A9	-0.36246	0.04929	0.220164	0
SCN7A	-0.51098	0.049391	0.22054	0
EMSY	-0.23777	0.04946	0.220772	0
HELLS	-0.27181	0.049557	0.221084	0
PPFIA4	-0.21506	0.049563	0.221084	0
AP1G1	-0.21757	0.049602	0.221146	0
RPS15AP1	0.475891	0.049626	0.221146	0

SLC35E3	-0.27075	0.049626	0.221146	0
MYBPC3	0.311065	0.049662	0.221232	0
SLC30A5	-0.20631	0.049692	0.221292	0
CIPC	-0.29152	0.049718	0.221334	0
SLC12A4	0.173789	0.049746	0.221357	0
POLR3F	-0.30999	0.049763	0.221357	0
S100A3	0.462979	0.049773	0.221357	0
SLC66A2	0.223176	0.04982	0.221489	0
STK25	0.174977	0.049856	0.221578	0
IL6ST	-0.22754	0.049886	0.221636	0
METTL9	-0.19197	0.049926	0.221675	0
TSPAN6	-0.28519	0.049931	0.221675	0
RELCH	-0.27685	0.04996	0.221675	0
NLRX1	0.206363	0.049961	0.221675	0
CETN2	0.238614	0.049994	0.221747	0
PRIM2	-0.20056	0.050193	0.222554	0
SON	-0.1737	0.050221	0.2226	0
ZNF117	-0.47548	0.050267	0.2226	0
MISP3	0.302919	0.050281	0.2226	0
IGSF9B	-0.24441	0.050294	0.2226	0
MTO1	-0.25433	0.050312	0.2226	0
PGM1	0.16599	0.050317	0.2226	0
MCRIP2	0.204821	0.05032	0.2226	0
TCEANC2	-0.23621	0.050391	0.222769	0
STARD3	0.182184	0.050392	0.222769	0
LMBR1L	0.195215	0.050425	0.222844	0
STK32C	0.19463	0.050481	0.22291	0
RC3H2	-0.20383	0.050496	0.22291	0
UBXN7	-0.19446	0.050504	0.22291	0
MRPL41	0.187473	0.050507	0.22291	0
ZNF385A	0.188563	0.050533	0.222951	0
FTX	-0.38794	0.05063	0.223303	0
RNF144A	-0.19051	0.050702	0.22355	0
MIR137HC	-0.22636	0.050786	0.223844	0
ZNF580	0.213191	0.050838	0.223933	0
ALYREF	0.170861	0.05084	0.223933	0
NUDT4	-0.23876	0.050865	0.223972	0
PTK2	-0.17408	0.050901	0.224053	0
MPP6	-0.25165	0.05093	0.22408	0
PPP5C	0.168687	0.05094	0.22408	0
NUMBL	0.183413	0.050998	0.22426	0
IWS1	-0.20797	0.051022	0.224291	0
SCART1	0.453781	0.051048	0.224331	0
PARP11	-0.37052	0.051127	0.224561	0

DOC2B	-0.48779	0.051134	0.224561	0
LRTOMT	-0.4444	0.05123	0.224793	0
VASP	0.178591	0.051236	0.224793	0
RPL4P5	0.402257	0.051258	0.224793	0
C5orf34	-0.46186	0.051262	0.224793	0
KHDRBS1	-0.16206	0.051282	0.224793	0
ETV6	-0.22608	0.051288	0.224793	0
CNOT2	-0.21258	0.051323	0.224847	0
RBM28	-0.19038	0.051337	0.224847	0
SLC35D1	-0.22919	0.051367	0.224847	0
LEPR	-0.39112	0.051391	0.224847	0
TMEM87A	-0.22334	0.051401	0.224847	0
ADPRHL2	0.21015	0.051409	0.224847	0
MEMO1	-0.20497	0.051418	0.224847	0
C6orf163	-0.65943	0.051443	0.22488	0
MSL2	-0.22368	0.051468	0.224918	0
MAGED1	0.1572	0.051498	0.224923	0
PSAT1	-0.16921	0.051503	0.224923	0
MFSD5	0.191757	0.051569	0.225137	0
MBOAT1	-0.25754	0.051614	0.225261	0
ZNF550	-0.26161	0.051641	0.225279	0
UNC119	0.183816	0.051686	0.225279	0
SELPLG	0.54979	0.051702	0.225279	0
EXTL2	-0.22416	0.051727	0.225279	0
TMPO	-0.1741	0.051737	0.225279	0
AC004918	-0.58913	0.051741	0.225279	0
AC242376	-0.45917	0.051758	0.225279	0
TMEM67	-0.38356	0.051762	0.225279	0
SRSF12	-0.28899	0.051779	0.225279	0
GLCE	-0.33153	0.051795	0.225279	0
SYF2	0.212439	0.051809	0.225279	0
RNASEK	0.197063	0.051823	0.225279	0
TACO1	0.193206	0.051838	0.225279	0
AGO3	-0.2196	0.051932	0.22559	0
PSMC3IP	-0.267	0.051954	0.22559	0
NIPAL1	-0.32196	0.05196	0.22559	0
MTUS1	-0.43382	0.052148	0.22625	0
STC1	-0.53256	0.05216	0.22625	0
EIF2B5	0.17385	0.052176	0.22625	0
ERG28	0.177332	0.052185	0.22625	0
EIF5	-0.19112	0.0522	0.22625	0
SURF4	0.161055	0.052215	0.22625	0
GGPS1	-0.2466	0.052231	0.22625	0
DYRK2	-0.21575	0.052338	0.226638	0

BBS10	-0.30415	0.052399	0.226831	0
MIOS	-0.24502	0.052416	0.226831	0
CCDC59	-0.29333	0.052439	0.226846	0
STK4	-0.19159	0.052485	0.226846	0
NLK	-0.29371	0.052485	0.226846	0
PEX5	0.177946	0.052488	0.226846	0
EIF2AK2	-0.19382	0.052643	0.227444	0
SLC16A1	-0.18577	0.052688	0.227562	0
PTGES3P1	-0.46415	0.052733	0.227683	0
TIMM17A	-0.20597	0.052823	0.227877	0
NEDD1	-0.30702	0.052836	0.227877	0
SLC25A26	0.198001	0.052838	0.227877	0
PMPCA	0.161892	0.052846	0.227877	0
P4HB	0.167046	0.052907	0.228066	0
DENND2A	0.273755	0.05298	0.228308	0
SPRYD3	0.22172	0.053023	0.228418	0
NOLC1	-0.17041	0.053068	0.228538	0
SHF	0.284403	0.053194	0.229006	0
HLA-DMB	0.417079	0.053234	0.229049	0
UBE2K	-0.185	0.053246	0.229049	0
DYNC2H1	-0.33239	0.053255	0.229049	0
FKRP	0.218505	0.053277	0.229069	0
NUMA1	0.169081	0.053306	0.22912	0
PRRT1	0.278277	0.05337	0.229192	0
NDUFB3	0.263251	0.053378	0.229192	0
MRPL58	0.188243	0.053382	0.229192	0
NUTF2	0.159337	0.053392	0.229192	0
CFAP410	0.272699	0.053416	0.229211	0
ATF5	0.2253	0.053458	0.229211	0
PSMD11	-0.16298	0.053463	0.229211	0
ST3GAL4	0.210747	0.053465	0.229211	0
SLC28A1	0.355711	0.053485	0.229225	0
MED24	0.160852	0.05352	0.2293	0
SLC26A2	-0.24666	0.053538	0.229303	0
ZNF319	0.22723	0.053629	0.229565	0
PSMD5	-0.19366	0.053633	0.229565	0
ZNF48	0.20923	0.053682	0.229699	0
AARS	0.154752	0.053752	0.229916	0
RAB20	0.533095	0.053767	0.229916	0
RBM41	-0.3648	0.053798	0.229937	0
DMKN	0.167922	0.053807	0.229937	0
ZNF787	0.198578	0.05386	0.230092	0
AC087289	0.511042	0.053927	0.230302	0
KBTBD2	-0.20511	0.053957	0.230359	0

CNOT6L	-0.25091	0.054006	0.230469	0
EEA1	-0.33437	0.054018	0.230469	0
METTL7B	0.218677	0.054122	0.230843	0
RTCB	0.162664	0.054177	0.230949	0
LARP6	0.207509	0.054199	0.230949	0
MOB1A	-0.1888	0.054216	0.230949	0
MYO1C	0.160028	0.054217	0.230949	0
CTC1	0.184277	0.054315	0.231177	0
CACNB4	-0.30605	0.05433	0.231177	0
INPPL1	0.170105	0.054336	0.231177	0
HOXB5	0.210405	0.054358	0.231177	0
MOB3A	0.175807	0.054383	0.231177	0
RPS3AP47	0.398063	0.054397	0.231177	0
HNRNPU	-0.16359	0.054404	0.231177	0
PLIN3	0.187352	0.054414	0.231177	0
UBR4	-0.15099	0.054432	0.231177	0
GCC2	-0.34673	0.054444	0.231177	0
AGTR1	-0.291	0.054465	0.231196	0
CLASP1	-0.18172	0.054485	0.231206	0
DOP1B	-0.28403	0.054536	0.231347	0
NECTIN2	0.194943	0.054576	0.231391	0
SCRN2	0.206489	0.054581	0.231391	0
SDE2	-0.20691	0.054663	0.231668	0
MAPRE1	-0.19384	0.054694	0.231723	0
ADD3	-0.22289	0.054718	0.231752	0
WNT3	-0.22651	0.054769	0.231836	0
UBE2W	-0.37631	0.054773	0.231836	0
GPRASP1	-0.51906	0.054912	0.232354	0
ITPKC	0.200755	0.055006	0.232617	0
SNHG3	-0.16158	0.05502	0.232617	0
AGL	-0.24187	0.055027	0.232617	0
SPRED1	-0.18779	0.055075	0.232747	0
BBS4	-0.19751	0.05519	0.233098	0
ELMSAN1	-0.20777	0.055194	0.233098	0
AC138150	-0.76097	0.055226	0.233098	0
CPNE1	0.181662	0.055228	0.233098	0
FAM174B	-0.41647	0.055256	0.233109	0
PFN1P1	0.388641	0.055266	0.233109	0
TEX10	-0.20516	0.055336	0.23333	0
UQCRCQ	0.164135	0.055396	0.23343	0
NEK1	-0.36171	0.055413	0.23343	0
CABIN1	0.158964	0.055425	0.23343	0
NIPSNAP2	-0.23035	0.055435	0.23343	0
REEP5	0.171327	0.055451	0.23343	0

ERVMER61	-0.29767	0.055465	0.23343	0
GTF3C3	-0.22214	0.055482	0.23343	0
ZNF561-AS1	0.224411	0.055542	0.233436	0
CD7	0.324152	0.055544	0.233436	0
PFDN6	0.178054	0.055551	0.233436	0
LRCH1	-0.24584	0.055553	0.233436	0
CNOT11	-0.1737	0.055578	0.233468	0
TMEM187	0.29775	0.055637	0.23364	0
PODXL2	0.182757	0.055655	0.233641	0
MTR	-0.19409	0.055731	0.233886	0
ESRRA	0.193317	0.055782	0.233963	0
ATP5IF1	0.153531	0.055784	0.233963	0
GPSM1	0.191268	0.055854	0.23418	0
TMEM64	-0.21206	0.055877	0.23418	0
CFAP36	0.229949	0.055889	0.23418	0
ZNF331	-0.24413	0.055981	0.234493	0
FURIN	0.184371	0.056005	0.234521	0
TP53I13	0.202961	0.056096	0.234699	0
DCAF1	-0.18793	0.056117	0.234699	0
DGAT1	0.176958	0.056118	0.234699	0
PDHX	-0.22964	0.056131	0.234699	0
EWSR1	-0.14744	0.056135	0.234699	0
CDK9	0.175462	0.056179	0.234806	0
TMEM104	0.17892	0.056267	0.235044	0
ZNF599	-0.30073	0.056271	0.235044	0
SH3BP5L	0.186624	0.056332	0.235124	0
HMGB3	-0.21669	0.056336	0.235124	0
ORC2	-0.21579	0.056343	0.235124	0
SPTBN2	0.16734	0.056416	0.2353	0
CENPA	-0.23032	0.05642	0.2353	0
KRAS	-0.22655	0.056441	0.235312	0
EML2	0.175181	0.056488	0.235433	0
ATN1	0.162322	0.056507	0.235442	0
ZNF71	0.213098	0.05661	0.235797	0
UPF2	-0.23248	0.05667	0.235971	0
KLHL12	-0.17938	0.056717	0.236093	0
SIAH1	-0.28088	0.056741	0.236118	0
BMS1	-0.20022	0.056761	0.236128	0
NT5C3B	0.151981	0.056835	0.236364	0
DAB2IP	0.174783	0.056871	0.236437	0
MAP3K5	-0.30413	0.056889	0.23644	0
UBE3D	0.277719	0.05691	0.236456	0
HAGH	0.1888	0.056933	0.236475	0
EPHB4	0.17925	0.05698	0.236596	0

NRL	0.570318	0.057012	0.236658	0
RBIS	0.254026	0.057075	0.236843	0
AGBL5	0.158495	0.057146	0.237067	0
DPY19L2	-0.42315	0.057229	0.237336	0
BARD1	-0.28957	0.057262	0.237399	0
HSPA14	-0.18908	0.057322	0.237539	0
PRKD2	0.16933	0.057338	0.237539	0
SUMF1	0.203494	0.057349	0.237539	0
AC016739	0.377928	0.057395	0.237655	0
VPS13C	-0.30833	0.057459	0.237844	0
TSR1	-0.16932	0.057498	0.237933	0
DMXL2	-0.20174	0.057546	0.238057	0
AL662795	-0.31098	0.057583	0.238074	0
INTS14	-0.18326	0.057593	0.238074	0
LSM14A	-0.17588	0.057636	0.238074	0
HSPH1	-0.23044	0.057675	0.238074	0
ZNF740	0.173095	0.057687	0.238074	0
ITM2B	-0.18296	0.057696	0.238074	0
THAP5	-0.33504	0.057703	0.238074	0
NFYA	-0.17691	0.057707	0.238074	0
BVES	-0.1754	0.057711	0.238074	0
DMAP1	0.193407	0.057742	0.238097	0
ANKRD26	-0.42032	0.057757	0.238097	0
ABHD12	0.168017	0.05777	0.238097	0
GABPB1-IT	-0.21837	0.057825	0.238213	0
ENKD1	0.194012	0.057834	0.238213	0
POMK	-0.25432	0.057893	0.238358	0
ESF1	-0.38414	0.057905	0.238358	0
TRNT1	-0.27888	0.057936	0.238413	0
CPLANE1	-0.26524	0.058149	0.239216	0
MTPAP	-0.24286	0.058336	0.239912	0
MIS18A	-0.24721	0.058461	0.240352	0
SOD3	0.329574	0.058532	0.240559	0
CROCCP3	-0.34861	0.058548	0.240559	0
REX1BD	0.194849	0.058583	0.240569	0
AP3S1	-0.21216	0.058605	0.240569	0
B4GALT3	0.15636	0.058622	0.240569	0
TBC1D9B	0.156815	0.05863	0.240569	0
SEC24B	-0.21016	0.05864	0.240569	0
ACADS	0.260451	0.058684	0.240636	0
MDM1	-0.32184	0.058712	0.240636	0
THAP7-AS1	0.405682	0.058715	0.240636	0
HOXC-AS2	0.428635	0.058729	0.240636	0
KCTD11	0.240327	0.058793	0.240801	0

PIGA	-0.41427	0.058813	0.240801	0
DBR1	-0.20884	0.058823	0.240801	0
HNRNPA1	-0.15432	0.058944	0.241214	0
AFG3L2	-0.15796	0.058973	0.241214	0
NPM1	0.190544	0.058994	0.241214	0
AAAS	0.167604	0.058996	0.241214	0
PPP1R8	-0.19409	0.059057	0.241379	0
DPH5	0.177254	0.059073	0.241379	0
MRPL33	0.174151	0.059095	0.241397	0
KLC3	0.369545	0.05913	0.241434	0
RHOF	0.17394	0.059141	0.241434	0
ZKSCAN2-I	-0.43073	0.059162	0.241448	0
RRP12	0.173628	0.059204	0.241509	0
LINC02575	0.293171	0.059213	0.241509	0
ELFN1-AS1	0.25379	0.059333	0.241923	0
CDKN3	-0.26618	0.059373	0.242013	0
AL162595.	-0.22057	0.059394	0.242024	0
ZNF646	0.188252	0.059442	0.242029	0
BCAS3	0.153342	0.059447	0.242029	0
TMCC2	0.342782	0.05945	0.242029	0
AP5S1	0.229736	0.059496	0.242142	0
PSMG2	-0.212	0.05967	0.242778	0
ISOC2	0.196274	0.059721	0.242846	0
LINC00528	-0.455	0.059739	0.242846	0
EIF4EBP1	0.180948	0.059748	0.242846	0
TMEM181	-0.205	0.05976	0.242846	0
ADAM22	-0.17905	0.05978	0.242854	0
LIG4	-0.45794	0.059809	0.242898	0
RIBC1	0.32436	0.059828	0.242901	0
PRDM10	-0.27044	0.059887	0.243065	0
SS18	-0.2017	0.060031	0.243578	0
BMPR1B	-0.24764	0.060077	0.243691	0
WSB1	-0.19867	0.060104	0.243723	0
YEATS2	-0.15764	0.060145	0.243793	0
ARFGAP3	-0.21781	0.060158	0.243793	0
ZNF318	-0.17368	0.060185	0.243832	0
RUSC1	0.155407	0.060255	0.244042	0
ABHD17A	0.183169	0.060349	0.244345	0
RNF187	0.176972	0.060383	0.244382	0
NAB2	0.173677	0.060394	0.244382	0
TMEM30A	-0.20099	0.060432	0.244462	0
AP002381.	0.439316	0.060462	0.244508	0
KMT5A	-0.20758	0.060492	0.244534	0
CDK19	-0.24254	0.060524	0.244534	0

PEA15	0.157179	0.060524	0.244534	0
TTC26	-0.29684	0.060572	0.244656	0
BCAS4	0.176068	0.060635	0.244835	0
DNMT1	-0.15862	0.060692	0.244928	0
MORN1	0.298287	0.060698	0.244928	0
ATP2A2	-0.15432	0.060738	0.244928	0
STK26	-0.213	0.060742	0.244928	0
PLAA	-0.21373	0.060754	0.244928	0
AP001453	0.427091	0.060768	0.244928	0
MCM6	-0.18715	0.060812	0.244989	0
KIF24	-0.23589	0.060837	0.244989	0
WASHC4	-0.31011	0.060844	0.244989	0
MAP2K4	-0.23307	0.060857	0.244989	0
MTHFD1	-0.15906	0.060881	0.245013	0
MAP1S	0.189141	0.060957	0.24523	0
ALG1	0.192476	0.060979	0.24523	0
ATP2A1	0.408047	0.061009	0.24523	0
TLN1	0.154705	0.061022	0.24523	0
SNAPC3	-0.21098	0.061027	0.24523	0
SH2D6	0.284386	0.061055	0.245269	0
SEC23IP	-0.20436	0.061094	0.245353	0
WDR81	0.178602	0.06118	0.245625	0
CXorf40A	0.239967	0.061252	0.245815	0
ITGA3	0.359998	0.061265	0.245815	0
THUMPD2	-0.23877	0.061337	0.245873	0
PLOD3	0.197229	0.061344	0.245873	0
PDGFRL	0.227577	0.06135	0.245873	0
ANXA4	0.153402	0.061365	0.245873	0
ADGRA2	0.162875	0.061383	0.245873	0
COA3	0.188705	0.06139	0.245873	0
ADNP2	-0.18104	0.06142	0.245879	0
HMBOX1	-0.23141	0.061428	0.245879	0
CSTF3	-0.20405	0.061458	0.245926	0
DDRK1	0.168024	0.061523	0.245931	0
ECI1	0.176485	0.061531	0.245931	0
CDC6	-0.19119	0.061532	0.245931	0
SCFD2	-0.26532	0.061553	0.245931	0
TMED2-DT	-0.40113	0.061567	0.245931	0
MIEF2	0.227949	0.06157	0.245931	0
PICALM	-0.18382	0.061657	0.2462	0
PIK3R3	-0.16467	0.061695	0.2462	0
RHBDD1	-0.22864	0.061709	0.2462	0
C11orf68	0.219739	0.061712	0.2462	0
SPIN4	-0.28038	0.061746	0.24626	0

BX255925.	0.223814	0.061764	0.24626	0
HSF2	-0.18509	0.061793	0.246302	0
CCDC186	-0.31311	0.061883	0.246589	0
SNORD86	-0.36766	0.061911	0.246618	0
AP000580.	0.362532	0.061927	0.246618	0
HEXB	-0.17065	0.061946	0.24662	0
TNFRSF1A	0.168791	0.062109	0.247144	0
ATG9A	0.180044	0.062123	0.247144	0
IP6K1	0.16765	0.062134	0.247144	0
MIR4453H	-0.35514	0.062206	0.247358	0
LMAN2L	0.167749	0.06223	0.247381	0
RPP38	-0.20886	0.062253	0.247394	0
AZIN1	-0.16979	0.062286	0.247394	0
RAB28	-0.24185	0.062295	0.247394	0
FEN1	-0.15836	0.062308	0.247394	0
CFDP1	0.234825	0.062329	0.247403	0
GRIA4	-0.31254	0.062367	0.24748	0
RABAC1	0.254423	0.062385	0.24748	0
BEX2	0.42038	0.062429	0.247497	0
TSC2	0.162229	0.062432	0.247497	0
WDR89	-0.29764	0.062445	0.247497	0
THAP3	0.189925	0.062473	0.247535	0
GPN1	-0.18591	0.062515	0.247561	0
SRRM1	-0.1607	0.062517	0.247561	0
NOL3	0.225364	0.062547	0.247607	0
NASP	-0.16369	0.062713	0.248035	0
ICAM2	0.248038	0.062714	0.248035	0
RPL3	0.156524	0.06274	0.248035	0
EPOR	0.200452	0.062743	0.248035	0
H3F3B	-0.15587	0.062753	0.248035	0
ADCK5	0.246605	0.06278	0.248035	0
PPP1R14B	0.167626	0.062785	0.248035	0
MARK3	-0.2149	0.062897	0.248301	0
INCENP	-0.16823	0.06291	0.248301	0
KIAA0556	0.192016	0.062943	0.248301	0
SMS	-0.16359	0.062967	0.248301	0
VMA21	-0.22024	0.062973	0.248301	0
DNAJC21	0.20637	0.06298	0.248301	0
ANO3	0.586548	0.062985	0.248301	0
TUT1	0.231816	0.063008	0.248301	0
CDT1	0.157116	0.06302	0.248301	0
PLEKHA4	0.15631	0.063051	0.248347	0
RABL6	0.1659	0.063121	0.248549	0
ACTL6A	-0.17191	0.063167	0.248569	0

AC091133	-0.42538	0.063171	0.248569	0
QRSL1	-0.22389	0.063189	0.248569	0
SUB1	0.197191	0.0632	0.248569	0
TMEM18	0.155919	0.06326	0.248715	0
KIAA0895L	-0.18783	0.063295	0.248715	0
RPL13	0.14916	0.06331	0.248715	0
SLC25A14	-0.29905	0.063349	0.248715	0
MAT2B	-0.19041	0.06336	0.248715	0
ZNF286A	-0.33054	0.063367	0.248715	0
CEP162	-0.5205	0.063368	0.248715	0
WDR62	-0.17386	0.063436	0.24891	0
ZNF76	0.187018	0.063488	0.248944	0
TPI1	0.17523	0.063527	0.248944	0
SH3YL1	-0.2688	0.063547	0.248944	0
MED29	0.159416	0.063549	0.248944	0
METRN	0.180535	0.063565	0.248944	0
BTD	-0.26866	0.063588	0.248944	0
FMNL2	-0.19909	0.063603	0.248944	0
RB1	-0.21582	0.06362	0.248944	0
BAG5	-0.23186	0.063623	0.248944	0
RAB26	0.228521	0.063637	0.248944	0
HIST1H2Bf	0.205347	0.06365	0.248944	0
FGF8	0.494849	0.0637	0.249047	0
PSMB2	-0.15049	0.063714	0.249047	0
ZBTB14	-0.23526	0.063789	0.249141	0
TXNIP	-0.15344	0.063808	0.249141	0
MOB3B	-0.24912	0.063818	0.249141	0
CPSF6	-0.18265	0.06383	0.249141	0
AC073648	0.434067	0.06384	0.249141	0
OLFML2B	0.311218	0.063878	0.249141	0
RAB13	0.178905	0.063884	0.249141	0
SUGP1	0.174035	0.063893	0.249141	0
FGFBP3	0.266786	0.063906	0.249141	0
ADAM11	0.183346	0.063942	0.249209	0
AASS	-0.22445	0.06399	0.249321	0
GATD3A	0.295513	0.064053	0.249428	0
TIGD5	0.23125	0.064055	0.249428	0
TCEAL8	0.227263	0.06413	0.249648	0
NDUFA4	0.181747	0.064234	0.249981	0
PSMB6	0.148462	0.064296	0.250117	0
PRKCE	-0.19776	0.064307	0.250117	0
AL355388	-0.50804	0.064344	0.250189	0
DNAJC17	0.219397	0.064404	0.250285	0
DPP3	0.174577	0.064416	0.250285	0

AMBRA1	0.180795	0.064451	0.250285	0
ZADH2	-0.19928	0.064461	0.250285	0
PDE3B	-0.21132	0.06447	0.250285	0
ZNF230	-0.36738	0.064481	0.250285	0
SYNE1	-0.18827	0.064592	0.250641	0
YWHAZ	-0.17346	0.064674	0.250866	0
ADCK2	0.202308	0.064688	0.250866	0
TLR3	-0.35723	0.06474	0.250998	0
PFKFB2	-0.19899	0.064759	0.250999	0
COMMD5	0.198488	0.064807	0.251109	0
PLPBP	-0.19881	0.06485	0.251133	0
CHD7	-0.17696	0.06485	0.251133	0
FGFR4	0.178816	0.064877	0.251165	0
GINS4	-0.18576	0.064958	0.2512	0
ABCB4	-0.26713	0.065027	0.2512	0
LARP4B	-0.17057	0.065036	0.2512	0
VRK2	-0.25261	0.065042	0.2512	0
STAG1	-0.20166	0.065047	0.2512	0
NOP10	0.153575	0.065053	0.2512	0
TRIO	-0.16832	0.065063	0.2512	0
MAPKAPK	0.174608	0.065072	0.2512	0
LRRC75B	0.296372	0.065083	0.2512	0
SLC38A10	0.164	0.065103	0.2512	0
AC022784	-0.41147	0.065131	0.2512	0
CBR4	-0.28908	0.065138	0.2512	0
TMBIM1	0.169039	0.065144	0.2512	0
TIPIN	-0.25526	0.06515	0.2512	0
FPGS	0.187557	0.06521	0.251357	0
ATG3	-0.20373	0.065254	0.251412	0
HAUS2	-0.21322	0.065262	0.251412	0
IDE	-0.19951	0.065306	0.251478	0
ZDHHC1	0.215254	0.065353	0.251478	0
CCR10	0.20051	0.065378	0.251478	0
B3GAT3	0.187302	0.065388	0.251478	0
ATPAF1	-0.19503	0.0654	0.251478	0
RHOV	0.281337	0.065415	0.251478	0
DAD1	0.16417	0.065429	0.251478	0
LRRC58	-0.21457	0.065437	0.251478	0
CHRA1	-0.1994	0.065452	0.251478	0
CDO1	-0.26735	0.065473	0.251478	0
ARHGEF7	-0.17875	0.065487	0.251478	0
ZDHHC23	-0.25545	0.065686	0.252142	0
MRPS30-D	0.556068	0.065697	0.252142	0
LIF	0.195081	0.065724	0.25217	0

NAMPT	-0.22064	0.065743	0.252171	0
EIF2S2	-0.19907	0.065783	0.252255	0
WDR74	0.186437	0.065831	0.252365	0
PPP1R15A	0.187978	0.06585	0.252365	0
GNB2	0.172036	0.065882	0.252392	0
AREL1	-0.19439	0.065908	0.252392	0
KIF1B	-0.16359	0.065932	0.252392	0
ERI1	-0.26199	0.065965	0.252392	0
ZCWPW1	-0.56124	0.06597	0.252392	0
ACOT11	0.215617	0.06599	0.252392	0
ATP6V1C1	-0.2025	0.066008	0.252392	0
AC118549	-0.25972	0.066016	0.252392	0
AC083899	-0.53778	0.066027	0.252392	0
CYCS	-0.20009	0.066093	0.252511	0
ARL8A	0.193186	0.066097	0.252511	0
S100A11	0.152986	0.066154	0.252557	0
ISCA1	-0.23141	0.066156	0.252557	0
C11orf1	0.207227	0.066176	0.252557	0
SNAPC2	0.199448	0.066184	0.252557	0
CARHSP1	0.171481	0.066245	0.25267	0
GPI	0.148921	0.066252	0.25267	0
ATG16L2	-0.20843	0.0663	0.252783	0
TENT4A	-0.1812	0.066377	0.253003	0
PKM	0.154148	0.066426	0.253057	0
GPR75	-0.4141	0.06645	0.253057	0
TWF2	0.192706	0.066463	0.253057	0
ANXA11	0.150672	0.066467	0.253057	0
ARTN	0.241223	0.066523	0.253196	0
BSDC1	0.153954	0.066586	0.253366	0
TBL2	0.168697	0.066662	0.253436	0
PTDSS2	0.186794	0.066672	0.253436	0
URB1-AS1	0.354336	0.066699	0.253436	0
TBCK	-0.2659	0.066706	0.253436	0
AC022107	-0.39982	0.066717	0.253436	0
CENPJ	-0.2503	0.066719	0.253436	0
STMN3	0.181549	0.066905	0.254072	0
AC008966	-0.38607	0.066937	0.25412	0
CACNB3	0.173416	0.067004	0.254304	0
SAP30BP	0.152869	0.067053	0.254368	0
RNF13	-0.28067	0.067076	0.254368	0
SMPD2	0.236209	0.067079	0.254368	0
DHX32	-0.21791	0.067146	0.254529	0
ISG15	0.205524	0.067217	0.254529	0
TIAM1	-0.23694	0.067236	0.254529	0

RWDD1	0.221599	0.067239	0.254529	0
EPB41	-0.16734	0.067265	0.254529	0
EPB41L5	-0.18722	0.067269	0.254529	0
PER3	-0.23416	0.06727	0.254529	0
CCSAP	-0.28876	0.067274	0.254529	0
AC005912	0.402896	0.067322	0.254553	0
GRIK4	0.2596	0.067322	0.254553	0
ARMCX6	0.205345	0.067348	0.254553	0
IMPDH1	0.171244	0.067361	0.254553	0
PHC3	-0.22038	0.067375	0.254553	0
ATG13	0.153752	0.067395	0.254555	0
PDZD7	0.192822	0.067427	0.254604	0
AC116533	0.448465	0.067492	0.254747	0
LINC01842	0.26132	0.067528	0.254747	0
ANKRD50	-0.20776	0.067539	0.254747	0
GVQW3	-0.24688	0.06755	0.254747	0
ATP6AP1	0.156257	0.067561	0.254747	0
BCORL1	0.157186	0.067608	0.254804	0
ATF7	-0.18073	0.067614	0.254804	0
RPS6KA1	0.188981	0.067728	0.255034	0
GNG7	0.216616	0.067732	0.255034	0
TUBB8P12	0.301933	0.067732	0.255034	0
TRA2A	-0.2059	0.067973	0.255833	0
SUFU	0.180889	0.067983	0.255833	0
LINC01560	-0.38193	0.068008	0.255855	0
MAP3K11	0.182987	0.068055	0.255873	0
NLN	-0.21177	0.068063	0.255873	0
PHTF1	-0.18806	0.06807	0.255873	0
IER3IP1	-0.35997	0.068111	0.255947	0
UBL4A	0.174028	0.068128	0.255947	0
CHML	-0.2641	0.068158	0.255987	0
SCAF11	-0.17154	0.068217	0.256116	0
PLCB3	0.163653	0.068232	0.256116	0
ZMAT2	0.153987	0.06825	0.256116	0
CXCL16	0.154167	0.068313	0.256207	0
NAGK	0.2132	0.068319	0.256207	0
HADHA	0.141746	0.068332	0.256207	0
ARHGAP21	-0.2247	0.068513	0.256813	0
PCIF1	0.162084	0.06858	0.256993	0
SETD3	-0.20657	0.068679	0.257279	0
INTS11	0.164247	0.068695	0.257279	0
SNRNP35	0.190718	0.068767	0.257313	0
SPAG9	-0.17443	0.068808	0.257313	0
INSL3	0.498528	0.068813	0.257313	0

VRK3	0.17675	0.068818	0.257313	0
STRAP	-0.18063	0.068831	0.257313	0
WDR3	-0.15936	0.068838	0.257313	0
INO80E	0.180364	0.068841	0.257313	0
ZNRD2	0.20498	0.068866	0.257313	0
AC116348	-0.57463	0.06891	0.257313	0
AP4B1	-0.16522	0.068937	0.257313	0
SUZ12	-0.20608	0.068976	0.257313	0
POLR3B	-0.25344	0.06898	0.257313	0
RILPL1	0.182964	0.068983	0.257313	0
SLC3A2	0.164817	0.068999	0.257313	0
ZNF428	0.17029	0.069004	0.257313	0
AP000320	-0.51242	0.069013	0.257313	0
SFXN3	0.171731	0.069139	0.25771	0
CDK5	0.199388	0.069197	0.257854	0
NEMP2	-0.28666	0.069217	0.257858	0
LLGL1	0.16244	0.069244	0.257865	0
CLIP2	0.20604	0.069258	0.257865	0
SCAPER	-0.30086	0.069295	0.257879	0
RNF123	0.173141	0.0693	0.257879	0
ARL2	0.190446	0.069324	0.257897	0
ELL	0.17753	0.069373	0.258005	0
PPIL1	-0.18377	0.069438	0.25815	0
JUND	0.176661	0.069451	0.25815	0
HSPA4L	-0.20567	0.069486	0.25821	0
FAM3A	0.190146	0.069519	0.258259	0
MTHFD2	-0.16261	0.069595	0.258469	0
SNW1	-0.1904	0.069614	0.258469	0
APOL2	0.181832	0.069657	0.258533	0
DNTTIP1	0.18498	0.06967	0.258533	0
PBX2	0.149454	0.069745	0.258739	0
TBCB	0.162182	0.069765	0.258742	0
GDF11	0.178071	0.069785	0.258743	0
MEN1	0.159333	0.069805	0.258745	0
STK39	-0.16669	0.06988	0.258952	0
EXOC6	-0.31357	0.069931	0.259031	0
AL049840	-0.35339	0.06994	0.259031	0
COL23A1	0.194795	0.070004	0.259194	0
CBARP	-0.22455	0.070056	0.259279	0
EXOC3	0.17036	0.070065	0.259279	0
FZD4	-0.23389	0.070101	0.259339	0
SPRY1	-0.14954	0.070133	0.259385	0
PML	0.197893	0.070173	0.259462	0
FAXDC2	0.15883	0.0702	0.259489	0

AMMECR1	-0.23401	0.07029	0.259748	0
WDFY2	-0.21018	0.070406	0.260107	0
KIAA1549	-0.17315	0.070426	0.260107	0
CD46	-0.17139	0.070514	0.260363	0
PDPK1	-0.17757	0.070551	0.260424	0
SASH1	-0.20352	0.070622	0.260537	0
PPA1	-0.17516	0.070637	0.260537	0
PCNA	-0.17768	0.07064	0.260537	0
RNF34	-0.178	0.070709	0.26068	0
DHX37	0.166059	0.070718	0.26068	0
DOP1A	-0.30468	0.07075	0.260727	0
FAM219B	0.159547	0.070793	0.260813	0
JMJD1C	-0.23951	0.070867	0.261012	0
FAM227A	-0.26769	0.070959	0.261282	0
EDRF1	-0.21249	0.071007	0.261386	0
RPL38	0.142964	0.071082	0.261575	0
SEPHS2	-0.15187	0.071098	0.261575	0
DESI1	0.147866	0.071173	0.261779	0
NAGA	0.147479	0.071264	0.262041	0
LAMA5	0.164531	0.071305	0.262122	0
RILPL2	0.173267	0.071355	0.262151	0
NCOA4	-0.16873	0.07136	0.262151	0
RPL32	0.142854	0.071372	0.262151	0
DDB2	0.15635	0.071411	0.262222	0
MR1	0.168054	0.071536	0.262608	0
ZNF213	0.210767	0.071574	0.262674	0
MRPL38	0.157384	0.071597	0.262687	0
MBD6	0.17409	0.071671	0.262753	0
PEMT	0.172621	0.071686	0.262753	0
NAA10	0.150199	0.071698	0.262753	0
SLC35F5	-0.17658	0.07171	0.262753	0
HPF1	-0.25683	0.071714	0.262753	0
APPL2	-0.19266	0.07179	0.262961	0
ZNF800	-0.33488	0.071822	0.263004	0
TMPO-AS1	-0.36762	0.071842	0.263006	0
OAS3	-0.17024	0.071877	0.263064	0
ACOT8	0.210798	0.071904	0.263089	0
SMAD4	-0.23442	0.072076	0.263647	0
NPM3	0.168272	0.072107	0.263686	0
RPL15	0.150268	0.072126	0.263686	0
AC243919	0.304038	0.072166	0.263758	0
PCNX1	-0.17295	0.072305	0.264193	0
CTSH	0.233729	0.072373	0.264242	0
COQ2	-0.26793	0.072375	0.264242	0

TPCN1	0.169267	0.072378	0.264242	0
CPOX	-0.19724	0.072429	0.264265	0
PKDCC	0.190101	0.072433	0.264265	0
AL022718.	0.294316	0.072444	0.264265	0
TMEM214	0.154035	0.07248	0.264326	0
RBM25	-0.18956	0.072574	0.264595	0
PLTP	0.156991	0.072618	0.264685	0
RNF122	0.231249	0.072724	0.264997	0
RBBP5	-0.2063	0.072767	0.265084	0
GALE	0.189369	0.072808	0.265159	0
SLC7A2	-0.18573	0.072896	0.265407	0
HINFP	0.194714	0.07296	0.26557	0
PPP3R1	-0.17709	0.072985	0.265577	0
PACS1	0.166829	0.073005	0.265577	0
NIPSNAP3,	0.273318	0.073042	0.265577	0
GH2	0.305578	0.073042	0.265577	0
POLD3	-0.19588	0.073099	0.265713	0
AC012306.	-0.38496	0.073174	0.26591	0
BCL11A	-0.40416	0.073211	0.265972	0
CSPP1	-0.27178	0.073259	0.266074	0
USP42	-0.1862	0.073285	0.266098	0
IMP4	0.159509	0.073325	0.266099	0
SLC25A23	0.149351	0.073339	0.266099	0
AF131215.	-0.36445	0.073345	0.266099	0
LINC01597	0.193198	0.073419	0.26625	0
ARHGAP4	0.162911	0.073467	0.26625	0
AC009779.	0.290631	0.073493	0.26625	0
RABL2A	0.304082	0.0735	0.26625	0
SMAD2	-0.20805	0.073515	0.26625	0
ETFB	0.178172	0.07352	0.26625	0
POC1B	-0.23593	0.073527	0.26625	0
ELF3-AS1	-0.5694	0.073557	0.266285	0
OPTN	0.177849	0.073576	0.266285	0
SYMPK	0.151669	0.073626	0.266391	0
METTL8	-0.17968	0.073659	0.26642	0
STAU2	-0.2331	0.073707	0.26642	0
ZNF511	0.205254	0.073709	0.26642	0
AKIRIN1	-0.1718	0.073714	0.26642	0
ZDHHC11	-0.29628	0.073738	0.266435	0
FZR1	0.164763	0.073778	0.266509	0
BANP	0.193585	0.073938	0.266965	0
RGS16	0.323317	0.073945	0.266965	0
FKTN	-0.22042	0.074005	0.266996	0
TBX2	0.153231	0.074042	0.266996	0

RPS18	0.157781	0.074072	0.266996	0
PHF6	-0.21655	0.074087	0.266996	0
CCDC80	0.168361	0.074132	0.266996	0
GNAZ	-0.30863	0.074163	0.266996	0
LINC02381	0.193107	0.074167	0.266996	0
NFATC3	-0.19485	0.074174	0.266996	0
MTERF1	-0.26006	0.074178	0.266996	0
VWA8	-0.17897	0.074195	0.266996	0
EEF1AKMT	-0.28223	0.074206	0.266996	0
POLH	-0.17788	0.074242	0.266996	0
TBC1D13	0.167612	0.074288	0.266996	0
OAS2	-0.27613	0.074304	0.266996	0
PSMC4	0.144747	0.074317	0.266996	0
ATP11C	-0.21316	0.074344	0.266996	0
SLC29A1	0.145915	0.074345	0.266996	0
CCDC25	-0.18955	0.074362	0.266996	0
DUSP2	0.201921	0.074363	0.266996	0
AC060780	-0.27854	0.074388	0.266996	0
MGAT4B	0.165501	0.07439	0.266996	0
TARBP2	0.197657	0.074394	0.266996	0
FLNB	0.160849	0.074609	0.267696	0
AIDA	-0.24035	0.074719	0.26802	0
CCT5	-0.16099	0.074789	0.268135	0
SF3A2	0.157903	0.074791	0.268135	0
ACOX3	0.187356	0.074826	0.268166	0
AC099778	0.512806	0.07484	0.268166	0
PCNX3	0.153121	0.074875	0.268219	0
MVB12A	0.187763	0.074902	0.268242	0
SPAST	-0.21253	0.074984	0.268411	0
LMO7	-0.21452	0.074989	0.268411	0
AL138759	-0.43518	0.075112	0.268537	0
ZNF234	-0.25833	0.075118	0.268537	0
ZFP37	-0.37328	0.075119	0.268537	0
USP7	-0.17124	0.07513	0.268537	0
NR1D2	-0.25535	0.075134	0.268537	0
AP003071	0.433739	0.075157	0.268537	0
PLA2G12A	-0.22618	0.075165	0.268537	0
IQCE	0.162161	0.075237	0.26865	0
NBN	-0.21777	0.075237	0.26865	0
LINC00638	0.481811	0.075313	0.268823	0
DPH7	0.191469	0.075326	0.268823	0
ATF7IP2	-0.35584	0.075364	0.268888	0
ACP5	0.47138	0.075421	0.268988	0
NT5M	0.230617	0.075446	0.268988	0

AC012123	-0.29692	0.075453	0.268988	0
UBQLN1	-0.18338	0.075513	0.269039	0
PLIN4	0.170972	0.075513	0.269039	0
EIF2S3	-0.15505	0.075532	0.269039	0
PIP5K1C	0.174227	0.075569	0.269039	0
MNS1	0.470868	0.07558	0.269039	0
CCDC191	-0.48977	0.0756	0.269039	0
AL365357	-0.20329	0.075608	0.269039	0
CHCHD3	-0.17302	0.075666	0.269118	0
WDR41	-0.18802	0.075693	0.269118	0
PORCN	0.218101	0.075737	0.269118	0
LIN54	-0.27123	0.075737	0.269118	0
FBXO11	-0.16978	0.075743	0.269118	0
EHMT2	0.152866	0.07577	0.269118	0
PDCD4-AS1	0.348412	0.075772	0.269118	0
PDGFD	-0.3261	0.075838	0.269232	0
EPN3	0.334283	0.075869	0.269232	0
RUSC2	0.174174	0.075875	0.269232	0
AGAP9	-0.455	0.075885	0.269232	0
METTL26	0.164699	0.075927	0.269247	0
OTOF	0.269606	0.075929	0.269247	0
IPO13	0.169425	0.07599	0.269313	0
ARF4	-0.14068	0.076021	0.269313	0
KDM6A	-0.19188	0.076058	0.269313	0
HTRA2	0.175927	0.076068	0.269313	0
SPAG7	0.150408	0.076108	0.269313	0
EFNA4	0.238784	0.076109	0.269313	0
LDHAP2	0.425368	0.076118	0.269313	0
ZNF395	0.145721	0.076143	0.269313	0
TMUB1	0.159409	0.076192	0.269313	0
GEN1	-0.29456	0.076215	0.269313	0
POGZ	-0.1447	0.076224	0.269313	0
TGFBRAP1	-0.1643	0.076276	0.269313	0
CNNM4	0.15749	0.076276	0.269313	0
HMGXB4	-0.18498	0.076283	0.269313	0
RSPRY1	-0.2003	0.076289	0.269313	0
UBC	0.14355	0.07629	0.269313	0
PGAP3	0.230848	0.076297	0.269313	0
BRIX1	-0.22084	0.076313	0.269313	0
RPL36AL	0.148108	0.076332	0.269313	0
ROMO1	0.17068	0.076489	0.269797	0
PRPF6	0.149612	0.076527	0.269839	0
TRAF3IP2	0.193303	0.076564	0.269839	0
GIT1	0.160595	0.076578	0.269839	0

CD2BP2	0.156975	0.076594	0.269839	0
ARL10	-0.21863	0.076602	0.269839	0
SUPT16H	-0.17399	0.076629	0.269859	0
GJC1	-0.16972	0.076657	0.269859	0
ZNF26	-0.2802	0.076684	0.269859	0
HOXC12	0.141095	0.076689	0.269859	0
STAG3L5P-	-0.3511	0.076786	0.270128	0
RAB36	0.238984	0.076873	0.270363	0
FAM189B	0.144939	0.076922	0.270466	0
LYG1	-0.30871	0.076995	0.270651	0
WTAP	-0.18319	0.077093	0.270862	0
KNSTRN	-0.18841	0.077096	0.270862	0
AMACR	-0.45219	0.077165	0.270936	0
MED8	0.154	0.077181	0.270936	0
HIST2H2BC	-0.26403	0.077191	0.270936	0
MID1IP1	0.157587	0.077208	0.270936	0
AC004803	-0.33501	0.077219	0.270936	0
MAPKAPK!	-0.17539	0.077273	0.271016	0
SALL2	0.14847	0.077282	0.271016	0
UBR1	-0.2061	0.077368	0.271245	0
AL162231.	-0.52408	0.077395	0.271268	0
SIRT1	-0.19029	0.077447	0.271269	0
L3MBTL1	-0.32385	0.077455	0.271269	0
H1FX-AS1	-0.25892	0.077471	0.271269	0
UNK	0.165589	0.077476	0.271269	0
TTC5	0.176661	0.077547	0.271447	0
CEP170	-0.21191	0.077602	0.271507	0
CREBZF	-0.18786	0.077605	0.271507	0
STARD10	0.206184	0.077657	0.271618	0
NAA25	-0.19079	0.077696	0.271682	0
ATXN10	-0.15856	0.077763	0.271747	0
PHF20L1	-0.21728	0.077775	0.271747	0
CCDC57	0.161405	0.077776	0.271747	0
RPL23AP5:	-0.44582	0.077798	0.271754	0
NSFL1C	0.141941	0.077827	0.271782	0
RHEB	-0.18956	0.077877	0.271886	0
SGSH	0.166164	0.077926	0.271889	0
YWHAQ	-0.16006	0.077962	0.271889	0
TECRP1	0.464658	0.077962	0.271889	0
ELOA	-0.15096	0.078013	0.271889	0
C4orf46	-0.24151	0.078013	0.271889	0
MSTO1	0.186692	0.078027	0.271889	0
AC016394	-0.41156	0.078028	0.271889	0
CDC42EP1	0.187929	0.078041	0.271889	0

HSD17B10	0.160775	0.078083	0.271963	0
STARD13	-0.33219	0.07812	0.272024	0
BDP1	-0.24466	0.078153	0.272059	0
HAX1	0.155635	0.078171	0.272059	0
SYS1	0.180096	0.0782	0.272069	0
ELP1	-0.18718	0.078234	0.272069	0
EVA1B	0.191139	0.078245	0.272069	0
CRLF3	-0.21576	0.078258	0.272069	0
C9orf85	0.275256	0.078286	0.272069	0
WDFY3	-0.16732	0.078307	0.272069	0
MKRN2	-0.17879	0.078327	0.272069	0
TMEM168	-0.27211	0.078354	0.272069	0
CALCR	-0.45173	0.078358	0.272069	0
MXRA7	0.145143	0.078445	0.272277	0
CUL4A	-0.16523	0.078481	0.272277	0
SLC15A2	-0.50292	0.07849	0.272277	0
SELENOH	0.185299	0.0785	0.272277	0
PRXL2C	-0.2292	0.07852	0.272278	0
SMPDL3B	0.210808	0.078566	0.272365	0
AC009533	-0.25349	0.078675	0.272673	0
IMMT	-0.17573	0.078721	0.272739	0
FAM204A	-0.22451	0.078737	0.272739	0
NKIRAS2	0.149882	0.078785	0.272739	0
TET3	-0.15536	0.078792	0.272739	0
PDIK1L	-0.31357	0.078796	0.272739	0
RPS2P46	0.359374	0.078827	0.272776	0
COQ5	0.205305	0.078917	0.272967	0
GTDC1	-0.2809	0.078947	0.272967	0
CREB3L2	-0.18085	0.078959	0.272967	0
DQX1	0.299236	0.078964	0.272967	0
NAA35	-0.18498	0.079035	0.273036	0
ZDHHC19	0.295935	0.079041	0.273036	0
YME1L1	-0.16461	0.079052	0.273036	0
UBA2	-0.17363	0.079067	0.273036	0
PRPS2	-0.2174	0.079166	0.273308	0
CRTC1	0.204854	0.079219	0.273422	0
ANKRD6	-0.20243	0.079356	0.273824	0
WDR1	0.136661	0.079427	0.27395	0
APEX1	0.135263	0.079434	0.27395	0
LARP1B	-0.21062	0.079468	0.273996	0
CUBN	-0.149	0.079511	0.274073	0
C18orf21	0.283579	0.079559	0.274169	0
RANBP9	-0.18785	0.079602	0.274241	0
HSD11B1L	0.210507	0.079638	0.274241	0

AL009179.	-0.28564	0.079656	0.274241	0
DTNBP1	0.180989	0.079662	0.274241	0
CLUH	0.150396	0.079718	0.27426	0
GMPPA	0.179709	0.079719	0.27426	0
AF131215.	-0.31636	0.079729	0.27426	0
FRYL	-0.19368	0.079815	0.27448	0
PSENEEN	0.222063	0.079839	0.27448	0
DHX57	-0.18245	0.07987	0.27448	0
FAAH	0.396336	0.079876	0.27448	0
RPL4	0.131091	0.079962	0.274706	0
SOX7	-0.29603	0.079991	0.274707	0
ARMC8	-0.24401	0.080003	0.274707	0
C9orf40	-0.22263	0.080076	0.274834	0
RAP2A	-0.24545	0.080082	0.274834	0
BCO2	0.534771	0.080194	0.275031	0
IFT27	0.183577	0.080201	0.275031	0
RBM48	-0.20221	0.08022	0.275031	0
DPF2	0.144216	0.080222	0.275031	0
NLE1	0.157649	0.080273	0.275068	0
OTUB1	0.148731	0.080274	0.275068	0
ZNF823	-0.36154	0.080302	0.275094	0
AQR	-0.21191	0.08035	0.275188	0
NDUFS5	0.15105	0.080388	0.275247	0
FKBP1A	-0.1545	0.080431	0.275322	0
C19orf54	0.179478	0.080481	0.275425	0
NOM1	-0.18951	0.080521	0.27549	0
KLHDC10	-0.15686	0.080681	0.275878	0
SYP	0.222897	0.080684	0.275878	0
TMEM106	-0.2102	0.080716	0.275878	0
NSUN3	-0.29889	0.080738	0.275878	0
WDFY1	-0.20947	0.080751	0.275878	0
YWHAB	-0.15147	0.080778	0.275878	0
SLC20A1	-0.15843	0.080779	0.275878	0
SLC7A7	0.212308	0.080824	0.275951	0
BMPR1A	-0.22446	0.080842	0.275951	0
BABAM1	0.197269	0.08091	0.276029	0
RPL31	0.201385	0.080929	0.276029	0
YTHDF3	-0.19019	0.080945	0.276029	0
HPD	0.33446	0.080948	0.276029	0
UBE2D2	-0.16678	0.080973	0.276029	0
BRWD3	-0.16996	0.080989	0.276029	0
LURAP1	0.228428	0.08105	0.276167	0
TBPL1	-0.23585	0.08111	0.276196	0
PHC1	-0.17359	0.081112	0.276196	0

DUS4L	-0.33949	0.081135	0.276196	0
UBQLN4	0.144041	0.081167	0.276196	0
NAP1L1	-0.15863	0.081182	0.276196	0
SEC31A	-0.16087	0.081183	0.276196	0
UBR5	-0.15007	0.081223	0.276218	0
ZBTB45	0.184204	0.081231	0.276218	0
COPS6	0.143108	0.08126	0.276248	0
AL158212.	-0.30552	0.081314	0.276354	0
PIAS2	-0.24072	0.081338	0.276354	0
CEP44	-0.20618	0.081354	0.276354	0
PRPF3	-0.17397	0.081464	0.276603	0
SMPD3	0.376199	0.081468	0.276603	0
EIF2AK4	-0.15358	0.081517	0.276671	0
USP19	0.149963	0.08153	0.276671	0
LAGE3	0.156498	0.081565	0.27672	0
CHAMP1	-0.1844	0.081624	0.276848	0
CLIC4	-0.17943	0.08169	0.276979	0
LINC02387	0.343962	0.081704	0.276979	0
AP2M1	0.139809	0.081797	0.277224	0
NT5DC2	0.145479	0.081941	0.277493	0
PRMT1	0.14995	0.081976	0.277493	0
ZC3H7A	-0.1662	0.081982	0.277493	0
REEP4	-0.20195	0.081995	0.277493	0
DGKZ	0.165803	0.082026	0.277493	0
AC008038	0.226531	0.082028	0.277493	0
COA1	0.160097	0.082041	0.277493	0
MRPS27	0.133303	0.082043	0.277493	0
ITPRIP	-0.21789	0.082078	0.277542	0
EML3	0.1658	0.082137	0.27767	0
MYRF	0.180786	0.082172	0.277718	0
ATG5	-0.21619	0.082251	0.27785	0
AFG1L	-0.43873	0.082253	0.27785	0
GM2A	0.156567	0.082317	0.277996	0
RGS2	-0.2124	0.082368	0.278059	0
BPNT1	0.161983	0.082377	0.278059	0
CEP57	-0.21308	0.082428	0.278161	0
C12orf75	-0.21799	0.082456	0.278185	0
UMPS	-0.16636	0.082479	0.278193	0
MMS22L	-0.27828	0.082527	0.27825	0
SF3B2	0.134954	0.082545	0.27825	0
NT5C2	-0.17498	0.082561	0.27825	0
CCDC138	-0.26244	0.082584	0.27825	0
PURB	-0.18401	0.082601	0.27825	0
PLEKHG5	0.184234	0.082667	0.278395	0

PSMB10	0.37473	0.082685	0.278395	0
EDC3	0.153933	0.082713	0.278398	0
DPH6	-0.25658	0.082734	0.278398	0
HERC2P3	-0.21849	0.082749	0.278398	0
AC068888	-0.28485	0.082828	0.278593	0
SHC2	0.323631	0.082874	0.278678	0
ARRDC2	0.179016	0.082908	0.278721	0
NAPA	0.16864	0.082961	0.278796	0
PIH1D1	0.157691	0.082972	0.278796	0
HSPA12A	-0.33412	0.083014	0.27883	0
TRIM13	-0.22673	0.083024	0.27883	0
ADAMTS6	-0.37277	0.083227	0.279443	0
SH2B1	0.158281	0.083295	0.27954	0
SLC6A8	0.160083	0.083298	0.27954	0
SLC10A3	0.174937	0.083339	0.279606	0
GCDH	0.184732	0.083392	0.279716	0
RBMXL1	-0.23425	0.083475	0.279923	0
WDR86	0.403433	0.083519	0.279943	0
ODR4	-0.26428	0.083544	0.279943	0
AP000487	0.521699	0.083544	0.279943	0
ZNF10	-0.38202	0.083604	0.280073	0
MPP2	0.172782	0.083659	0.280153	0
STXBP5-AS	-0.40371	0.08367	0.280153	0
GARS-DT	-0.27123	0.083769	0.280376	0
TSHZ1	-0.20693	0.083779	0.280376	0
STARD7	-0.14685	0.083818	0.280437	0
CLDN6	0.481921	0.083904	0.280555	0
MDH1	-0.17429	0.083922	0.280555	0
CIC	0.147236	0.083952	0.280555	0
AC026877	0.422959	0.083956	0.280555	0
TRIM5	-0.1935	0.083958	0.280555	0
PAPOLG	-0.20961	0.084106	0.280935	0
AIFM2	0.313717	0.084114	0.280935	0
BCLAF3	-0.34164	0.084179	0.28107	0
AEBP2	-0.20747	0.084202	0.28107	0
LRIF1	-0.23847	0.084218	0.28107	0
HNRNPD	-0.14283	0.084254	0.281122	0
FKBP1B	0.187398	0.08431	0.281236	0
FAT1	-0.14214	0.08435	0.2813	0
BZW1	-0.2441	0.084397	0.281334	0
ABL1	0.14471	0.084432	0.281334	0
MECOM	-0.24933	0.084442	0.281334	0
CYB5D1	-0.25837	0.084445	0.281334	0
STRN4	0.15012	0.084558	0.281643	0

FCGBP	0.408516	0.084608	0.281692	0
SERBP1	-0.15674	0.084666	0.281692	0
TOM1	0.196529	0.084668	0.281692	0
RAB27A	-0.21579	0.084697	0.281692	0
ZDHHC13	-0.24456	0.084719	0.281692	0
HEBP1	0.144021	0.084722	0.281692	0
KNDC1	0.392576	0.084757	0.281692	0
FAM117B	-0.22668	0.084785	0.281692	0
MRPL57	0.152926	0.084796	0.281692	0
C5	-0.30262	0.0848	0.281692	0
C11orf95	0.157309	0.084818	0.281692	0
NECAP1	-0.17777	0.084827	0.281692	0
CDC25C	-0.18565	0.084927	0.281954	0
ARHGEF18	0.187067	0.084975	0.282044	0
OXLD1	0.166048	0.085033	0.282166	0
RPL19	0.133641	0.085058	0.282178	0
CEP95	-0.18448	0.085203	0.28259	0
SEM1	0.172876	0.085293	0.282819	0
CLIP1	-0.18909	0.085338	0.282884	0
CPA2	0.175855	0.085355	0.282884	0
RAMAC	0.247594	0.085406	0.282982	0
CFHR1	0.208885	0.085497	0.283212	0
IPO9	-0.13836	0.085553	0.283329	0
TINF2	0.159273	0.085582	0.283334	0
AC245140	-0.42566	0.085597	0.283334	0
AC055839	0.229864	0.085634	0.283384	0
CTIF	0.184714	0.085726	0.28362	0
SEMA6B	0.190464	0.085846	0.283932	0
SUGP2	-0.14824	0.085874	0.283932	0
GNAI3	-0.18465	0.085884	0.283932	0
PEX19	0.139415	0.085925	0.28397	0
ZSCAN20	-0.23468	0.08597	0.28397	0
FBRS	0.14728	0.085988	0.28397	0
DR1	-0.21313	0.085992	0.28397	0
TERT	-0.21864	0.086002	0.28397	0
NUP54	-0.2027	0.086082	0.284094	0
AL592435	-0.48573	0.086083	0.284094	0
AC005476	0.39776	0.086155	0.284264	0
NEDD4L	0.362657	0.086212	0.284381	0
FAM72A	-0.5	0.086263	0.284447	0
MRPS11	0.162287	0.086275	0.284447	0
ZNF24	-0.21326	0.08634	0.284498	0
RAN	-0.136	0.086369	0.284498	0
URI1	-0.17059	0.086373	0.284498	0

DDX11-AS	-0.48166	0.086376	0.284498	0
TLL12	0.153812	0.086415	0.284556	0
PCLAF	-0.2129	0.086489	0.28473	0
AC115837	0.215093	0.08651	0.284731	0
HIST3H2A	0.179794	0.086577	0.284858	0
FOPNL	-0.20154	0.086592	0.284858	0
PTGES3	-0.15812	0.086711	0.285089	0
HS6ST1	0.189688	0.086741	0.285089	0
SH3BGRL2	-0.2178	0.086768	0.285089	0
RPS17	-0.28047	0.08677	0.285089	0
LRRC20	0.176568	0.086776	0.285089	0
SAMD4A	-0.18852	0.08679	0.285089	0
FAM162A	0.164709	0.086822	0.285122	0
CPNE2	0.165469	0.08698	0.285571	0
CCAR2	0.143257	0.087002	0.285573	0
CIR1	0.246044	0.087111	0.28586	0
PRKCG	0.517031	0.0872	0.286082	0
AC016773	-0.534	0.087222	0.286085	0
STARD4	-0.17109	0.087279	0.286086	0
SPG11	-0.19434	0.087319	0.286086	0
EIF2AK3	-0.20204	0.087322	0.286086	0
SLC2A6	0.244684	0.08733	0.286086	0
RNFT1	-0.29224	0.08733	0.286086	0
MOAP1	-0.20588	0.087397	0.286237	0
ST14	0.534162	0.087441	0.28631	0
COG3	-0.23682	0.087526	0.286517	0
TMSB4X	-0.1485	0.087569	0.286586	0
OLFM3	-0.18644	0.087665	0.286805	0
SLC39A14	-0.14443	0.087679	0.286805	0
NSRP1	-0.27066	0.08775	0.286967	0
DLG1	-0.17738	0.087774	0.286974	0
PYURF	-0.19388	0.087799	0.286974	0
GRAMD1A	0.166251	0.087816	0.286974	0
TMEM107	0.225577	0.087896	0.287077	0
ILVBL	0.160445	0.087909	0.287077	0
EEFSEC	0.205886	0.087912	0.287077	0
RAP1A	-0.16694	0.088001	0.287297	0
NF1	-0.16927	0.088091	0.287459	0
PLXDC1	0.304915	0.088096	0.287459	0
NANS	0.157559	0.088121	0.287459	0
FAM92A1F	0.376419	0.088152	0.287459	0
SAPCD2	-0.13798	0.088159	0.287459	0
BAG6	0.142754	0.08821	0.287556	0
THG1L	0.18449	0.088478	0.288284	0

DMWD	0.166478	0.088482	0.288284	0
RNF217	-0.35956	0.088498	0.288284	0
ASCC1	-0.17846	0.088596	0.288302	0
WDR17	-0.25669	0.088614	0.288302	0
DIAPH3	-0.20862	0.088618	0.288302	0
CARMIL3	0.497756	0.088624	0.288302	0
MCTS1	-0.21458	0.088627	0.288302	0
CEP57L1	-0.47209	0.088634	0.288302	0
ALPK1	0.422403	0.088742	0.28852	0
TMTC4	-0.20743	0.088744	0.28852	0
MTG2	0.171339	0.088784	0.288579	0
NEU3	-0.16586	0.088813	0.288605	0
C10orf91	0.193276	0.088861	0.288688	0
TBC1D23	-0.27705	0.088907	0.288768	0
RITA1	0.147304	0.088994	0.288939	0
RIPK2	-0.24093	0.089018	0.288939	0
AC012510	0.3627	0.089024	0.288939	0
ACBD4	0.181789	0.089067	0.289007	0
RNF4	-0.14722	0.089257	0.28949	0
COPG1	0.13423	0.089276	0.28949	0
NT5DC3	-0.21812	0.089281	0.28949	0
STAM	-0.19824	0.089343	0.289568	0
ANKMY2	-0.22423	0.08941	0.289568	0
CCT8	-0.16625	0.089412	0.289568	0
GARS	-0.1666	0.089453	0.289568	0
NGLY1	-0.1841	0.089455	0.289568	0
AMIGO2	-0.35172	0.089464	0.289568	0
CX3CL1	0.499506	0.089487	0.289568	0
OCRL	-0.17431	0.089488	0.289568	0
ENOX2	-0.26978	0.0895	0.289568	0
RGMB	-0.1889	0.089596	0.289686	0
ZNF749	-0.23117	0.089609	0.289686	0
RALY	0.150285	0.089627	0.289686	0
NELFB	0.156456	0.089639	0.289686	0
DOCK11	-0.37401	0.089646	0.289686	0
FAM169A	-0.25454	0.089702	0.289798	0
EFCAB2	0.199798	0.089734	0.289804	0
ZNF654	-0.28125	0.089748	0.289804	0
DAAM2	0.440778	0.089782	0.289804	0
ZBTB37	-0.19515	0.089791	0.289804	0
TASOR	-0.16868	0.089846	0.289913	0
RNF7	0.156364	0.08991	0.290049	0
DLX6	-0.34895	0.089947	0.290078	0
C9orf72	-0.29658	0.089963	0.290078	0

CCDC58	0.234902	0.090014	0.290172	0
SDHAF4	0.211663	0.090117	0.290398	0
LRSAM1	0.175012	0.090127	0.290398	0
TSPO	0.164578	0.090153	0.290411	0
JMJD8	-0.22918	0.090185	0.290444	0
KIDINS220	-0.16511	0.090267	0.290639	0
ITGA10	0.2432	0.090291	0.290644	0
WDR34	0.148439	0.090351	0.290769	0
ZNF283	-0.2926	0.090387	0.290813	0
ZSWIM6	-0.2525	0.090421	0.290853	0
MCOLN1	0.186794	0.090485	0.290949	0
GTF2I	-0.15541	0.090495	0.290949	0
PGRMC1	-0.18528	0.090547	0.290963	0
RFT1	0.154843	0.09055	0.290963	0
LRRC8D	-0.27251	0.090569	0.290963	0
SREBF1	0.14642	0.090586	0.290963	0
B3GNT9	0.200661	0.090677	0.291184	0
POLDIP2	0.137639	0.090871	0.291737	0
KLHL25	0.186477	0.091097	0.292348	0
GNL3	-0.16204	0.091136	0.292348	0
PPM1F	0.15117	0.091138	0.292348	0
RALGAPB	-0.16192	0.091192	0.292348	0
APC	-0.28303	0.091237	0.292348	0
MBTPS2	-0.22771	0.09126	0.292348	0
NUDT2	0.177174	0.091267	0.292348	0
HNRNPUL1	-0.15854	0.091274	0.292348	0
HMGNA4	-0.16088	0.091282	0.292348	0
GBE1	-0.21272	0.091295	0.292348	0
CENPB	0.168218	0.091334	0.292348	0
CGB7	0.428354	0.091338	0.292348	0
PCDHGB3	-0.37779	0.091347	0.292348	0
TNFAIP1	0.157148	0.091442	0.292486	0
ARHGEF1	0.172825	0.091445	0.292486	0
RPS6KC1	-0.18486	0.091455	0.292486	0
AHCYL1	-0.1345	0.091581	0.2928	0
RBM12	-0.14896	0.091597	0.2928	0
TMC7	-0.20662	0.091628	0.292829	0
ULK4	-0.29559	0.091685	0.29294	0
MIR4435-2	-0.21513	0.091713	0.292958	0
ELOVL1	0.1507	0.091772	0.292993	0
YEATS4	-0.23209	0.091775	0.292993	0
LTN1	-0.24591	0.09179	0.292993	0
CDC27	-0.17313	0.091986	0.2935	0
ZNF704	-0.17068	0.091993	0.2935	0

NAPEPLD	-0.25377	0.092057	0.293634	0
ZBTB17	0.177526	0.092125	0.293782	0
AP1S3	-0.2256	0.09215	0.293793	0
TSSC4	0.167517	0.0922	0.293837	0
AC010327	-0.40859	0.092208	0.293837	0
CCDC74B	0.187467	0.092355	0.294234	0
CCDC106	0.147635	0.092415	0.294342	0
MARCH6	-0.15321	0.092433	0.294342	0
SV2A	0.132424	0.092523	0.294524	0
UBA52	0.13545	0.092534	0.294524	0
ZNF273	-0.39822	0.092581	0.2946	0
CPD	-0.18482	0.092632	0.2946	0
XPR1	-0.17175	0.092637	0.2946	0
UCK1	0.167553	0.092647	0.2946	0
PEX13	-0.19249	0.092752	0.294864	0
ZBTB26	-0.25328	0.092812	0.294898	0
AC011447	-0.27658	0.092824	0.294898	0
HSDL1	-0.19275	0.092829	0.294898	0
CTF1	0.190442	0.092895	0.295036	0
AZIN2	0.497646	0.092919	0.295045	0
BX890604	-0.22214	0.093011	0.295265	0
ZNF417	-0.24363	0.09316	0.295668	0
ZYG11A	-0.21758	0.093193	0.295703	0
EIF2B1	-0.14938	0.093265	0.295825	0
HSPBP1	0.149679	0.093276	0.295825	0
CCDC157	0.254847	0.093326	0.295913	0
DGCR2	0.146297	0.093494	0.296375	0
LINC00324	0.390008	0.093561	0.296488	0
TMEM245	-0.16414	0.093574	0.296488	0
PRDX4	0.15733	0.093661	0.296683	0
CCDC88B	0.211909	0.09368	0.296683	0
FAM20B	-0.15655	0.093714	0.296719	0
NOP58	-0.21277	0.093762	0.296801	0
AL357992	0.401807	0.093808	0.296847	0
SNF8	0.134838	0.093821	0.296847	0
IDH2	0.162198	0.093966	0.297059	0
DNAJC5	0.144888	0.093971	0.297059	0
SBNO1	-0.1723	0.093987	0.297059	0
PYGO1	-0.23354	0.094012	0.297059	0
DENND6B	0.318376	0.094012	0.297059	0
SFR1	-0.3352	0.094022	0.297059	0
GREB1L	-0.2139	0.094088	0.297197	0
EOGT	-0.20197	0.094179	0.297417	0
NSD1	-0.15681	0.094237	0.297485	0

OXNAD1	-0.22775	0.094245	0.297485	0
AC145343	-0.46153	0.09432	0.29749	0
LRR1	-0.26958	0.094325	0.29749	0
MTND2P2	-0.13773	0.09436	0.29749	0
SRC	0.163877	0.094369	0.29749	0
PURPL	-0.29883	0.0944	0.29749	0
CAB39	-0.19341	0.094419	0.29749	0
AC106820	0.192468	0.094431	0.29749	0
DISP1	-0.24188	0.094447	0.29749	0
RASL10A	0.321539	0.094448	0.29749	0
AP1S1	0.153848	0.094481	0.297517	0
PDZD11	0.152483	0.094501	0.297517	0
VDAC2	-0.15067	0.094546	0.297588	0
ANKRD35	0.199816	0.094578	0.297617	0
SMG6	0.147492	0.094615	0.297664	0
SHISA4	0.243555	0.094645	0.297688	0
MRTFB	-0.18875	0.094669	0.297695	0
CCNI	-0.1315	0.094742	0.297854	0
USP1	-0.20314	0.094772	0.297876	0
ZNF623	-0.19425	0.094826	0.297978	0
MRPS15	0.134305	0.09487	0.298045	0
TRAPPC12	0.150412	0.094926	0.298151	0
AP000346	0.356242	0.095112	0.298666	0
STX10	0.145613	0.095254	0.298952	0
STX17	-0.19934	0.095263	0.298952	0
ACHE	0.306495	0.095271	0.298952	0
PUF60	0.154291	0.095358	0.299154	0
UHRF1BP1	-0.21926	0.095438	0.299336	0
HNRNPCP2	0.400087	0.095504	0.299417	0
NISCH	0.14818	0.095509	0.299417	0
TLN2	-0.15616	0.095563	0.299517	0
LIPE-AS1	0.393836	0.095675	0.299795	0
TYMSOS	-0.24661	0.095717	0.299858	0
UBXN2B	-0.20955	0.095752	0.299896	0
RNASET2	0.180175	0.095783	0.299908	0
MED7	-0.28237	0.095807	0.299908	0
ADSSL1	0.458308	0.095823	0.299908	0
ATG101	0.174696	0.096023	0.300397	0
HERC1	-0.15759	0.096055	0.300397	0
CCDC71	0.165787	0.096061	0.300397	0
DFFA	0.134876	0.096071	0.300397	0
UBN2	-0.2122	0.096092	0.300397	0
AMZ2	0.139428	0.096117	0.300403	0
NHLRC4	0.253336	0.096139	0.300403	0

SGSM2	0.143604	0.096187	0.300484	0
TIMM13	0.142747	0.096235	0.300563	0
AP1M1	0.149658	0.096373	0.300922	0
CNOT7	-0.16812	0.096453	0.300937	0
TAB2	-0.1826	0.096455	0.300937	0
PDIA3P1	-0.22862	0.096472	0.300937	0
DCTN4	-0.16046	0.096554	0.300937	0
FBXO44	0.157639	0.096565	0.300937	0
CNST	-0.19423	0.096571	0.300937	0
ME2	-0.21467	0.096573	0.300937	0
ANKRD18E	-0.28563	0.096577	0.300937	0
MRPL2	0.17304	0.096581	0.300937	0
SLC46A1	0.169823	0.096658	0.30109	0
UHRF1	-0.15073	0.096675	0.30109	0
SUMO2	0.154038	0.096702	0.301105	0
PARP14	-0.1655	0.096755	0.301186	0
ZCCHC3	0.137615	0.096774	0.301186	0
SLC25A37	-0.15767	0.096849	0.301294	0
CECR7	-0.2095	0.096853	0.301294	0
CEACAM1	0.398314	0.096878	0.301299	0
SIKE1	-0.1646	0.096924	0.301373	0
AC026801	0.438381	0.096969	0.301397	0
LARS	-0.16519	0.096977	0.301397	0
VPS16	0.15739	0.097433	0.302645	0
SRF	0.140235	0.097459	0.302645	0
SPR	0.143906	0.097459	0.302645	0
SOCS2	-0.18868	0.097469	0.302645	0
ARL16	0.150131	0.097582	0.30287	0
SMN1	-0.4763	0.097587	0.30287	0
CYP7B1	-0.41861	0.097655	0.302909	0
SCN1B	0.326212	0.097665	0.302909	0
ZNF566	-0.30082	0.097668	0.302909	0
MRPL35	-0.17885	0.097747	0.302972	0
LRP8	-0.16027	0.097747	0.302972	0
SLC25A1	0.144468	0.097772	0.302972	0
SESTD1	-0.18835	0.097779	0.302972	0
ZNF2	0.196138	0.097834	0.303021	0
NBPF9	-0.17935	0.097869	0.303021	0
DOK4	0.145847	0.097882	0.303021	0
ZCCHC9	-0.19521	0.097886	0.303021	0
WWC2	-0.17297	0.097921	0.303061	0
ANKRD24	0.282588	0.098033	0.303337	0
MBTD1	-0.17786	0.098087	0.303411	0
ZNF226	-0.21783	0.098103	0.303411	0

DDX47	-0.16859	0.098136	0.303428	0
ERVK13-1	-0.25947	0.098169	0.303428	0
NUDT22	0.190946	0.098202	0.303428	0
DLG4	0.145383	0.098231	0.303428	0
FAM86JP	0.254442	0.098246	0.303428	0
CLSPN	-0.23174	0.098268	0.303428	0
IRS2	-0.41322	0.098277	0.303428	0
P3H1	0.146132	0.09829	0.303428	0
SMKR1	0.330782	0.098354	0.303554	0
RAB22A	-0.17901	0.09848	0.303845	0
BTG2	0.14774	0.098519	0.303845	0
AL391095.	-0.3942	0.098524	0.303845	0
PNKD	0.149204	0.09854	0.303845	0
ZSCAN18	0.175595	0.098568	0.303849	0
CDC42BPA	-0.15997	0.098586	0.303849	0
GEMIN7	0.170185	0.098682	0.303994	0
ATPCKMT1	-0.26941	0.098697	0.303994	0
MYBL1	-0.40565	0.098714	0.303994	0
WTIP	0.177576	0.098743	0.303994	0
BNIP2	-0.21339	0.098747	0.303994	0
PLEKHH1	-0.15991	0.09879	0.304019	0
TYMS	-0.14397	0.098826	0.304019	0
ERGIC2	0.23599	0.098836	0.304019	0
ARHGAP32	-0.16942	0.098866	0.304019	0
ATG4C	-0.33184	0.098869	0.304019	0
TMEM102	0.265178	0.098923	0.304114	0
ABR	0.134012	0.098978	0.304213	0
ANKRD13C	0.176462	0.099039	0.304331	0
AC067852	0.168598	0.099079	0.304383	0
EGR1	-0.13862	0.099167	0.304485	0
GNPTG	0.159121	0.099185	0.304485	0
MCUR1	-0.18217	0.099187	0.304485	0
ERI3	0.153769	0.099204	0.304485	0
GPS1	0.14492	0.099245	0.304502	0
TMEM59L	0.504624	0.099255	0.304502	0
CARNMT1	-0.21651	0.099286	0.304526	0
HMMR	-0.28073	0.099347	0.304546	0
PPTC7	-0.23406	0.099355	0.304546	0
CFAP44	-0.38681	0.099361	0.304546	0
SFXN5	0.148561	0.099507	0.304878	0
BCL2	-0.21701	0.099537	0.304878	0
MAGIX	0.289284	0.099556	0.304878	0
WASHC3	0.210161	0.099564	0.304878	0
AMN1	-0.3201	0.099583	0.304878	0

SLC25A20	0.164908	0.099673	0.305082	0
RBPMS	0.165362	0.099712	0.305133	0
P2RY1	-0.27698	0.099827	0.305368	0
LCORL	-0.36618	0.099835	0.305368	0
YY1	-0.1514	0.099899	0.305495	0
STIM2	-0.19658	0.099935	0.305534	0
NFXL1	-0.20091	0.100005	0.305677	0
CHCHD10	0.144075	0.100157	0.306021	0
ASCC3	-0.17705	0.100163	0.306021	0
MCU	-0.16565	0.100236	0.306172	0
ZBTB38	-0.22202	0.10034	0.306361	0
MTMR9	-0.20117	0.100344	0.306361	0
AKIRIN2	-0.16779	0.100587	0.306943	0
C1QTNF6	0.213239	0.100598	0.306943	0
AKR7A2	0.139085	0.100603	0.306943	0
TMED5	-0.24179	0.100677	0.307098	0
SLC35B4	-0.1697	0.100725	0.307141	0
SNX24	-0.23091	0.100738	0.307141	0
ZNF587	-0.19417	0.10076	0.307141	0
MAN2A2	0.145991	0.100937	0.307509	0
MEX3C	-0.18591	0.100955	0.307509	0
AL162431	-0.37593	0.100981	0.307509	0
MST1	0.224839	0.101003	0.307509	0
SNRNP25	0.148081	0.101009	0.307509	0
ARHGEF10	0.196025	0.101029	0.307509	0
ZNF252P	-0.23549	0.101056	0.307509	0
SCNM1	0.152728	0.101065	0.307509	0
DYNC1LI2	-0.15258	0.10109	0.307515	0
PDE4A	0.151215	0.101127	0.307557	0
FAM114A2	-0.19169	0.101186	0.307655	0
IFNAR2	-0.23581	0.101206	0.307655	0
LINC02086	-0.47907	0.101276	0.307766	0
WDFY3-AS	0.31091	0.101288	0.307766	0
AC009053	-0.3144	0.101342	0.30786	0
VPS50	-0.25065	0.101427	0.308013	0
TLCD3A	0.165866	0.101459	0.308013	0
DNAJC3	-0.18191	0.101462	0.308013	0
MTFR1	-0.19737	0.101499	0.308055	0
TRAPPC2L	0.157059	0.101595	0.308216	0
PPP3CB	-0.15535	0.101598	0.308216	0
HMG2P5	0.309571	0.101706	0.308452	0
KDM7A	-0.26989	0.101724	0.308452	0
SLC35A1	-0.19859	0.101745	0.308452	0
POTEE	-0.35181	0.101894	0.308833	0

PNPLA7	0.296674	0.101946	0.30892	0
DELE1	0.134014	0.101999	0.30901	0
SGMS2	-0.34475	0.102074	0.309053	0
BTBD10	-0.20899	0.102083	0.309053	0
SMOX	0.215609	0.102104	0.309053	0
AC010531	0.470809	0.102128	0.309053	0
SLC66A1	0.176945	0.102136	0.309053	0
STRN	-0.17577	0.102152	0.309053	0
NIT1	0.154935	0.102202	0.309089	0
SGF29	0.215592	0.102227	0.309089	0
VKORC1	0.150663	0.102247	0.309089	0
ZNF219	0.156994	0.102257	0.309089	0
MLYCD	0.188523	0.102409	0.309153	0
TRIM24	-0.19712	0.10242	0.309153	0
ZNF281	-0.17532	0.102424	0.309153	0
C16orf72	-0.18424	0.102424	0.309153	0
CCDC32	0.149019	0.102466	0.309153	0
AP002495	0.434244	0.102491	0.309153	0
NRAS	-0.15129	0.102492	0.309153	0
CCNYL1	-0.20117	0.102497	0.309153	0
ARMC6	0.149358	0.102512	0.309153	0
UBE2S	-0.16673	0.102525	0.309153	0
CEACAM1	0.383568	0.102533	0.309153	0
LMBR1	-0.17965	0.102562	0.309169	0
LURAP1L	0.164697	0.102586	0.309171	0
MYO9A	-0.19455	0.102754	0.309547	0
ASAP3	0.155117	0.102757	0.309547	0
KPTN	0.186873	0.102907	0.309845	0
POLR2M	-0.23744	0.102917	0.309845	0
AC092718	-0.3078	0.102933	0.309845	0
L3MBTL2	0.150506	0.102962	0.309845	0
EXOC8	-0.2212	0.10299	0.309845	0
NCEH1	-0.34172	0.102995	0.309845	0
ZNF280C	-0.31481	0.10306	0.309971	0
PIP4K2A	-0.19861	0.103108	0.310044	0
ADO	-0.18913	0.103139	0.310068	0
GNB4	-0.17947	0.103204	0.310194	0
ATP6AP2	-0.20781	0.103285	0.310366	0
VPS11	0.137	0.103435	0.31068	0
SNRPG	0.164715	0.103436	0.31068	0
PCDHGA6	-0.31901	0.10353	0.310887	0
MOB3C	0.185637	0.103551	0.310887	0
DDAH1	-0.34943	0.103715	0.311172	0
LCA5	-0.36242	0.103737	0.311172	0

MTMR9LP	0.200803	0.103748	0.311172	0
PJA2	-0.16976	0.103748	0.311172	0
TNFSF12	0.201609	0.10378	0.311172	0
SPACA9	0.245214	0.103786	0.311172	0
SRP68	-0.12765	0.103908	0.311468	0
COPZ1	0.127268	0.103933	0.311473	0
NFKBIE	0.187916	0.104036	0.31171	0
WARS2	-0.22539	0.104114	0.311874	0
HNRNPLL	-0.14689	0.104178	0.311996	0
DGAT2	0.18334	0.104317	0.312341	0
ISM2	0.229512	0.104518	0.312862	0
ZBED5	-0.24721	0.104538	0.312862	0
USP9X	-0.14834	0.104607	0.312989	0
CEBPA-DT	0.255012	0.104627	0.312989	0
LTBR	0.220854	0.104779	0.313373	0
INO80	-0.15526	0.104836	0.313473	0
ERAP2	-0.21152	0.104978	0.313829	0
THUMPD1	-0.19498	0.105042	0.31393	0
C15orf41	-0.25615	0.105059	0.31393	0
DTX2	0.204044	0.105121	0.314043	0
CLCC1	-0.14825	0.105202	0.314214	0
RN7SL1	0.548003	0.105229	0.314227	0
POLL	0.161419	0.105263	0.314256	0
SMARCAD	-0.21187	0.105321	0.31436	0
SNORD101	-0.47707	0.105396	0.314512	0
TRIM33	-0.15917	0.105439	0.314534	0
SS18L2	-0.21947	0.105476	0.314534	0
AL157394	0.325638	0.105481	0.314534	0
NDUFA6	0.139017	0.105503	0.314534	0
GADD45B	0.24107	0.105529	0.314534	0
TSR3	0.153263	0.105545	0.314534	0
FAF2	-0.14128	0.105578	0.314562	0
KLHDC2	0.155877	0.10567	0.314769	0
SEMA6C	0.17356	0.105771	0.314997	0
AC009133	-0.58584	0.105848	0.315052	0
YY1AP1	-0.13337	0.105877	0.315052	0
ZBTB40	-0.14499	0.10588	0.315052	0
TMEM129	0.167916	0.105884	0.315052	0
SLC35G1	-0.30008	0.105995	0.315314	0
HDGF	0.124921	0.106042	0.315347	0
ADAR	-0.12599	0.106054	0.315347	0
PMPCB	-0.15689	0.106098	0.31535	0
CXXC4	-0.15308	0.106102	0.31535	0
UBR3	-0.16193	0.106147	0.315412	0

TRIP10	0.154572	0.106178	0.315436	0
DTWD2	-0.27149	0.10631	0.315756	0
ABHD18	-0.22039	0.106445	0.31586	0
RBPMS2	0.145592	0.106448	0.31586	0
LYPLA2	0.135664	0.106453	0.31586	0
SPA17	0.270159	0.106457	0.31586	0
NTHL1	0.160943	0.106483	0.31586	0
PSMA3-AS	-0.22978	0.10652	0.31586	0
BAIAP2L1	-0.13707	0.106529	0.31586	0
TBX19	0.333227	0.106559	0.31586	0
NAT8L	0.153989	0.106592	0.31586	0
PPP6R2	0.141183	0.106601	0.31586	0
FAM117A	0.165062	0.106628	0.31586	0
ALG8	-0.19579	0.106632	0.31586	0
SNORA33	-0.34649	0.106653	0.31586	0
GFER	0.17309	0.106694	0.315913	0
CDK2AP2	0.156351	0.106733	0.315956	0
MANEAL	0.210467	0.106795	0.316044	0
TCEA1	-0.18194	0.10681	0.316044	0
BAP1	0.142913	0.106883	0.316191	0
AIG1	0.162599	0.107002	0.316401	0
ESPNL	0.174443	0.10701	0.316401	0
TUSC2	0.166786	0.107025	0.316401	0
FAM216A	-0.19814	0.107057	0.316425	0
HERPUD1	0.150117	0.107149	0.316504	0
RFX1	0.15826	0.107159	0.316504	0
PRMT9	-0.22555	0.107193	0.316504	0
PHF3	-0.20073	0.107193	0.316504	0
PIK3C2A	-0.18097	0.107203	0.316504	0
NPB	0.240017	0.107356	0.316888	0
FAM222A	0.241663	0.107388	0.316912	0
TUT4	-0.16637	0.107416	0.316923	0
GYS1	0.139308	0.107465	0.316933	0
BVES-AS1	-0.24302	0.107467	0.316933	0
SP1	-0.13708	0.107567	0.317047	0
BEST4	0.212594	0.107576	0.317047	0
MYPN	0.417708	0.107577	0.317047	0
RPGR	-0.45219	0.107609	0.317057	0
SUCO	-0.17596	0.107628	0.317057	0
TMEM147	-0.16298	0.107663	0.317083	0
RPS23P8	0.236114	0.107684	0.317083	0
RPS12	0.149298	0.107748	0.317168	0
AC156455	0.198204	0.107764	0.317168	0
AC068875	-0.47766	0.10779	0.317168	0

GPD2	-0.18477	0.107808	0.317168	0
SMAGP	0.193624	0.107952	0.317294	0
WRNIP1	0.125706	0.107963	0.317294	0
LRIG2	-0.17063	0.107996	0.317294	0
CXorf40B	0.180058	0.108013	0.317294	0
DNM3	-0.1573	0.108029	0.317294	0
ADK	-0.16832	0.108034	0.317294	0
GFM1	-0.18132	0.108038	0.317294	0
TMEM268	-0.15532	0.108041	0.317294	0
SIK2	-0.15022	0.108075	0.317323	0
LINC01786	-0.43376	0.108239	0.317734	0
PDE1A	0.349695	0.10839	0.318109	0
AP002807	-0.37871	0.108506	0.318313	0
BACE2	0.313939	0.108521	0.318313	0
SLC25A39	0.13425	0.108532	0.318313	0
TOR1AIP2	-0.16286	0.108583	0.318319	0
ZNF558	-0.18369	0.108599	0.318319	0
ERP44	-0.17929	0.108606	0.318319	0
DCUN1D5	-0.16295	0.108629	0.318319	0
PTK7	0.146298	0.108657	0.318331	0
KIAA0895	-0.23524	0.108715	0.318426	0
TPGS1	0.173997	0.10875	0.318426	0
TMEM117	-0.23131	0.10878	0.318426	0
PIN4	0.216542	0.108785	0.318426	0
UPF1	0.133675	0.108824	0.318471	0
GAS8	0.1563	0.10885	0.318477	0
CRK	-0.15116	0.108878	0.318489	0
LTB4R2	-0.30513	0.108967	0.318596	0
WWP1	-0.20848	0.108991	0.318596	0
NOC4L	0.1809	0.109023	0.318596	0
CFH	-0.14325	0.109029	0.318596	0
SPINDOC	0.155241	0.109034	0.318596	0
CROT	-0.1679	0.10912	0.318735	0
MAD2L1	-0.19928	0.10913	0.318735	0
SH3BGRL3	0.153962	0.109177	0.318802	0
PPP4R1	-0.1588	0.10923	0.31889	0
MRPS31	-0.22073	0.109311	0.319015	0
OGFOD3	0.151095	0.109321	0.319015	0
ZNF37A	-0.25987	0.109346	0.319016	0
PALM3	0.164417	0.10939	0.319077	0
AL096870	0.315767	0.109535	0.319423	0
RAB23	-0.21499	0.109557	0.319423	0
RPS19BP1	0.141111	0.109623	0.319481	0
AC005562	-0.34847	0.109625	0.319481	0

BX248409.	0.40868	0.109692	0.319608	0
TCEANC	-0.42259	0.109717	0.319611	0
CCDC24	0.225018	0.109768	0.319621	0
SLC27A4	0.150213	0.109778	0.319621	0
SH2D3C	0.32017	0.10981	0.319621	0
SMIM12	0.161361	0.109826	0.319621	0
DLAT	-0.16421	0.10984	0.319621	0
FZD3	-0.19918	0.110032	0.319963	0
RPL14P1	0.250092	0.110046	0.319963	0
AC025678.	-0.28488	0.110059	0.319963	0
MAD2L2	0.163934	0.110062	0.319963	0
MAN1A2	-0.15546	0.110078	0.319963	0
RAB3GAP2	-0.16097	0.110146	0.319991	0
MLLT10	-0.15209	0.110173	0.319991	0
SEL1L	-0.17972	0.110181	0.319991	0
HSP90AA1	-0.16659	0.110184	0.319991	0
RRP1	0.142978	0.110264	0.320156	0
CC2D1B	0.146382	0.110294	0.320171	0
ABCA3	0.153695	0.110359	0.320187	0
WBP1	0.232982	0.110385	0.320187	0
PAIP2B	-0.37125	0.110387	0.320187	0
UBP1	-0.15377	0.110402	0.320187	0
HOXC10	0.127689	0.110419	0.320187	0
RPLP2	0.12453	0.110445	0.320192	0
TRIM6	-0.17008	0.110537	0.320357	0
ZNF337-AS	-0.25543	0.11055	0.320357	0
SMURF2	-0.17299	0.110683	0.320631	0
BAG4	-0.23006	0.110709	0.320631	0
ERICH6-AS	0.282894	0.110717	0.320631	0
ELK1	0.140928	0.110772	0.320721	0
FBXO28	-0.17688	0.110802	0.320739	0
NDUFS2	0.128918	0.110834	0.320761	0
PSPN	0.233607	0.110893	0.320862	0
SSNA1	0.158953	0.110921	0.320873	0
MYH10	-0.14069	0.110985	0.32099	0
SLC12A6	-0.16809	0.111028	0.32104	0
TCEAL4	0.157096	0.11105	0.32104	0
PRRC1	-0.1564	0.111131	0.321152	0
SCARB1	0.136909	0.111209	0.321152	0
MRE11	-0.23598	0.111226	0.321152	0
RAB9B	-0.40078	0.111227	0.321152	0
PPP1R18	0.140642	0.11123	0.321152	0
WWC3	-0.14558	0.111234	0.321152	0
COL6A3	0.124687	0.111268	0.32118	0

SLC39A11	0.18529	0.111306	0.32122	0
ABCD1	0.159304	0.111434	0.321349	0
TTC3	-0.15946	0.11144	0.321349	0
KRBA1	0.17285	0.111447	0.321349	0
METTL16	-0.14195	0.111448	0.321349	0
STAT2	0.148397	0.11149	0.321349	0
ZFH2-AS1	0.416818	0.111495	0.321349	0
RMI1	-0.27205	0.111519	0.32135	0
ACAD9	0.142458	0.111628	0.321496	0
SLC37A1	0.172362	0.111639	0.321496	0
COPS9	0.158689	0.111642	0.321496	0
GTPBP4	-0.14805	0.111731	0.321558	0
ARHGEF12	-0.1475	0.111758	0.321558	0
HAPLN1	0.261659	0.111785	0.321558	0
MBD5	-0.17105	0.111792	0.321558	0
CLSTN3	0.150062	0.111796	0.321558	0
PTTG1	-0.15416	0.111809	0.321558	0
MAML1	-0.13302	0.112001	0.32198	0
EAF1	-0.16479	0.112007	0.32198	0
FAM86HP	0.396138	0.112043	0.32198	0
TAF1D	-0.21381	0.112062	0.32198	0
C6orf47	0.154349	0.112076	0.32198	0
METTL3	-0.13279	0.112137	0.322086	0
MRPL27	0.135449	0.112236	0.322291	0
ITGA7	-0.41606	0.112257	0.322291	0
MAGT1	-0.15021	0.112299	0.322344	0
SCAND1	0.163971	0.112338	0.322385	0
PTMAP4	-0.19201	0.112457	0.322626	0
PIGH	-0.15672	0.11247	0.322626	0
NDUFA4L2	0.397436	0.112651	0.323076	0
B4GALT1	-0.13515	0.112684	0.323081	0
UPP1	0.234982	0.112712	0.323081	0
NFKBIA	0.146905	0.112726	0.323081	0
ZNF385C	0.198949	0.112756	0.323099	0
MTX3	-0.18767	0.112784	0.323108	0
IMPAD1	-0.15248	0.112882	0.323321	0
ADAM19	0.189881	0.112963	0.323482	0
PPP4R2	-0.21875	0.112989	0.323488	0
HMG3-AS1	-0.44072	0.113054	0.3235	0
ACOX2	0.151962	0.113106	0.3235	0
TOE1	-0.16021	0.113122	0.3235	0
AAMP	0.136282	0.113124	0.3235	0
IFIT1	0.14917	0.113134	0.3235	0
ABTB1	0.25491	0.113139	0.3235	0

UBIAD1	0.150622	0.113194	0.323588	0
CHN1	-0.21675	0.11324	0.32365	0
RAC1P2	-0.42392	0.113355	0.323868	0
RCOR3	-0.16885	0.113365	0.323868	0
CYSTM1	0.161621	0.11343	0.323928	0
KXD1	0.137072	0.113434	0.323928	0
TBC1D8B	-0.29431	0.113496	0.323975	0
ZNF33A	-0.25806	0.113516	0.323975	0
TMTC3	-0.2322	0.113538	0.323975	0
ZNF606	-0.21851	0.113585	0.323975	0
PSMD4	0.12517	0.113599	0.323975	0
LINC00963	0.140356	0.113611	0.323975	0
CFL2	-0.17617	0.113621	0.323975	0
EED	-0.17785	0.113665	0.323999	0
CDC14A	-0.28152	0.113678	0.323999	0
THOC2	-0.23784	0.113805	0.324221	0
PCNX2	-0.17917	0.113828	0.324221	0
AP2B1	-0.12647	0.113829	0.324221	0
DIDO1	-0.13029	0.113898	0.324263	0
RGCC	-0.32222	0.113927	0.324263	0
CRTAP	0.12078	0.113928	0.324263	0
TLE3	0.138306	0.113941	0.324263	0
MED19	0.177642	0.11403	0.324423	0
LRRC37BP1	-0.25687	0.114046	0.324423	0
ZSCAN30	0.225714	0.11422	0.32485	0
GVINP1	-0.28726	0.114339	0.325059	0
TAOK1	-0.15923	0.114342	0.325059	0
ARHGEF6	-0.28228	0.114426	0.325228	0
CAPN15	0.146205	0.114481	0.325311	0
PRKACA	0.131321	0.114516	0.325311	0
ARNTL2	-0.17844	0.114548	0.325311	0
NUP98	-0.12918	0.114553	0.325311	0
TBCA	0.135726	0.114693	0.325627	0
ICE1	-0.1561	0.114713	0.325627	0
GRWD1	0.139017	0.114823	0.325827	0
PTPRU	0.168312	0.114873	0.325827	0
FAM185A	0.308719	0.114881	0.325827	0
MAT2A	-0.13529	0.114881	0.325827	0
KPNA4	-0.16505	0.114924	0.325879	0
AC124045	-0.50024	0.115001	0.325935	0
CMC2	-0.19412	0.115014	0.325935	0
MED18	0.155725	0.115017	0.325935	0
COPRS	0.143023	0.115096	0.326089	0
CPPED1	-0.22377	0.115265	0.326485	0

TESK2	0.179245	0.115291	0.326485	0
PHC2	0.139056	0.115325	0.326485	0
PLAG1	-0.23745	0.115334	0.326485	0
LRRC45	0.14819	0.115358	0.326485	0
GAS2L3	-0.27243	0.115412	0.326567	0
CDIPTOSP	0.235765	0.115481	0.326693	0
TCF4	-0.22494	0.115552	0.326824	0
LPCAT4	0.150905	0.115706	0.327156	0
ZNF767P	-0.20345	0.115718	0.327156	0
ETF1	-0.14841	0.115792	0.327295	0
VIM	0.12036	0.115915	0.327574	0
ZNF691	0.176452	0.11607	0.327941	0
THAP12	-0.17681	0.116114	0.327997	0
GTF2H3	-0.16636	0.116221	0.328231	0
SYT16	-0.36278	0.116298	0.328327	0
ILRUN	0.1301	0.116304	0.328327	0
PPM1B	-0.23587	0.11633	0.32833	0
QTRT1	0.148854	0.116371	0.328376	0
NME7	-0.22235	0.116405	0.328391	0
ATP6VOA2	-0.17761	0.116443	0.328391	0
B3GNT3	0.24627	0.11645	0.328391	0
DEK	-0.17543	0.116523	0.328484	0
NOC3L	-0.20272	0.116555	0.328484	0
MAN2B2	0.161475	0.116569	0.328484	0
HOGA1	0.189418	0.116582	0.328484	0
EPM2A	-0.30992	0.116658	0.328629	0
PDLIM5	-0.14401	0.116775	0.328827	0
AL591926	0.345365	0.116791	0.328827	0
RNASEH2A	0.143127	0.116824	0.328827	0
CERT1	-0.18643	0.116827	0.328827	0
NGEF	0.135136	0.116862	0.328827	0
MGA	-0.1769	0.116892	0.328827	0
PPID	-0.16407	0.116918	0.328827	0
GBA	0.149315	0.116985	0.328827	0
AL022341	-0.20679	0.117002	0.328827	0
NDUFC2	-0.22695	0.117016	0.328827	0
TUBA1B	0.120735	0.117029	0.328827	0
RNF41	0.149027	0.117048	0.328827	0
KLF12	-0.26047	0.117058	0.328827	0
PM20D2	-0.17689	0.117076	0.328827	0
PRTG	-0.19759	0.117102	0.328827	0
FEZ2	-0.18021	0.117123	0.328827	0
OBI1	-0.28768	0.117212	0.328924	0
PIEZO1	0.133999	0.117235	0.328924	0

PVT1	0.141745	0.11727	0.328924	0
RNF149	-0.14932	0.11728	0.328924	0
MFF	-0.14004	0.117281	0.328924	0
MFSD4A	-0.2042	0.117323	0.328973	0
TRDMT1	-0.28047	0.117365	0.329023	0
RHBDD3	0.169009	0.117487	0.329294	0
CCDC61	0.21654	0.117558	0.329384	0
GPD1	0.518468	0.117568	0.329384	0
PPM1N	0.206115	0.117642	0.329478	0
HIP1	-0.13603	0.117671	0.329478	0
CHST12	0.152569	0.117676	0.329478	0
SLC19A2	-0.18398	0.117864	0.329934	0
MZT1	-0.21316	0.117927	0.330042	0
C4orf33	-0.2619	0.117958	0.33006	0
SLC35F2	-0.14881	0.117985	0.330067	0
ZNF148	-0.23246	0.118038	0.330067	0
CYTH2	0.139766	0.118047	0.330067	0
MAPK14	-0.13333	0.11806	0.330067	0
SHLD3	0.416608	0.118242	0.330507	0
MMP15	0.196326	0.118326	0.330621	0
FGF2	-0.20257	0.118332	0.330621	0
ADCK1	0.263669	0.118449	0.330879	0
RPS15	0.128352	0.118554	0.331032	0
PDCD2L	0.199768	0.118554	0.331032	0
SUDS3	-0.16043	0.118584	0.331046	0
POLI	-0.2633	0.118634	0.331116	0
SCAF8	-0.15131	0.118704	0.3312	0
FH	-0.13372	0.118717	0.3312	0
RNF138	-0.2719	0.118769	0.3312	0
MDM2	-0.14979	0.11879	0.3312	0
SFXN2	-0.16785	0.118867	0.3312	0
SUGCT	0.185206	0.118874	0.3312	0
CDK4	0.137228	0.118878	0.3312	0
LDB3	0.154233	0.118886	0.3312	0
JPX	-0.19625	0.118898	0.3312	0
RPL23A	-0.13192	0.118912	0.3312	0
SH3BP4	-0.16071	0.118979	0.331318	0
CREBRF	0.297766	0.119037	0.331385	0
PPP1R3C	0.302124	0.119053	0.331385	0
EPS15	-0.17205	0.119129	0.331489	0
NR2C2	-0.15456	0.11914	0.331489	0
TRAPPC11	-0.19384	0.119168	0.331497	0
ZNF197	0.246324	0.119234	0.331611	0
FOXG1	-0.47963	0.119381	0.331812	0

STOX1	-0.21862	0.119402	0.331812	0
EMD	0.137283	0.119404	0.331812	0
BICDL2	0.497099	0.119421	0.331812	0
GALNS	0.159748	0.11943	0.331812	0
GUSB	0.137615	0.119505	0.331941	0
SHFL	0.154384	0.119527	0.331941	0
PROS1	-0.18701	0.119571	0.331995	0
VWA7	0.208926	0.119627	0.332033	0
REV1	-0.16396	0.119649	0.332033	0
NARS2	-0.22376	0.119687	0.332033	0
MTRR	-0.1751	0.119689	0.332033	0
ECPAS	-0.1451	0.11976	0.332033	0
CC2D1A	0.156738	0.119771	0.332033	0
ALDH6A1	-0.20011	0.119786	0.332033	0
SNX22	-0.35718	0.119787	0.332033	0
PDCD6IP	-0.14971	0.119813	0.332033	0
ARF1	0.121814	0.119834	0.332033	0
FAHD2A	0.169151	0.119947	0.332278	0
ZNF200	-0.17163	0.12008	0.332572	0
LUC7L	-0.14934	0.120116	0.332572	0
NFAT5	-0.15865	0.120136	0.332572	0
SPATC1L	0.170862	0.120183	0.332572	0
HMGB1P5	-0.30814	0.12023	0.332572	0
ATP13A2	0.146522	0.12025	0.332572	0
LYRM7	-0.21217	0.120253	0.332572	0
ADGB	0.29256	0.120256	0.332572	0
TIMM22	0.153114	0.12029	0.332572	0
FUT2	0.228092	0.120303	0.332572	0
TET1	-0.19067	0.120392	0.332751	0
SIRT4	0.405945	0.120497	0.332972	0
PSTPIP1	0.326265	0.120606	0.333153	0
ACLY	0.121703	0.120614	0.333153	0
STOM	-0.1648	0.120643	0.333153	0
TMEM60	-0.25375	0.120663	0.333153	0
DNAH14	-0.26946	0.120878	0.333679	0
ISOC1	-0.19106	0.12094	0.333777	0
NDUFA9	-0.20941	0.120964	0.333777	0
C5orf30	-0.26284	0.120997	0.333801	0
ZNF236	-0.19364	0.121075	0.333945	0
IMPACT	-0.22798	0.121219	0.334229	0
TRAF2	0.157483	0.121228	0.334229	0
LRRC8E	0.16505	0.121262	0.334255	0
PXYLP1	-0.2123	0.121429	0.334645	0
TMEM159	0.189148	0.121495	0.334759	0

SKIV2L	0.142419	0.121539	0.334795	0
SLC30A7	-0.1914	0.121559	0.334795	0
MPDZ	-0.1607	0.121634	0.334933	0
PLEKHA2	-0.17206	0.121674	0.334975	0
ECE1	0.153063	0.121761	0.335118	0
MIR600HG	-0.20623	0.121777	0.335118	0
INPP5B	-0.14944	0.121915	0.335431	0
BEND3	-0.15458	0.122034	0.33562	0
CYP1B1	-0.19628	0.122035	0.33562	0
TIMM21	-0.25751	0.122072	0.335655	0
P2RX4	0.178282	0.12213	0.335702	0
RNF11	-0.17016	0.122176	0.335702	0
ZDHHC16	0.142189	0.122201	0.335702	0
NKX2-5	0.151865	0.122202	0.335702	0
SRA1	0.151238	0.122215	0.335702	0
BRAP	-0.21524	0.122258	0.335734	0
HMGXB3	0.131842	0.122277	0.335734	0
SNX8	0.147476	0.122383	0.33586	0
NAGLU	0.186607	0.122418	0.33586	0
AC007566	-0.30792	0.122419	0.33586	0
PSEN2	0.152119	0.122453	0.33586	0
CLTB	0.136802	0.122474	0.33586	0
FXR1	-0.13863	0.122474	0.33586	0
TP53	0.136356	0.122532	0.335898	0
PSMG1	-0.18847	0.122557	0.335898	0
LRR3	0.163602	0.122589	0.335898	0
CDC37	0.121314	0.122592	0.335898	0
FZD5	-0.21482	0.122614	0.335898	0
SMIM29	0.196573	0.122665	0.335966	0
CCDC178	0.162881	0.122689	0.335966	0
CDR2L	0.130758	0.122771	0.33612	0
CACNB2	-0.3051	0.122834	0.336224	0
RPE	-0.16901	0.122896	0.336299	0
VPS33B	0.319286	0.122912	0.336299	0
CLTC	-0.14823	0.12296	0.336362	0
SPRYD4	0.17149	0.123068	0.336589	0
CASD1	-0.21245	0.123149	0.336742	0
DHX33	-0.15029	0.123291	0.337016	0
MSTO2P	-0.21158	0.1233	0.337016	0
AC068587	-0.35331	0.123368	0.337067	0
ABRAXAS2	-0.20046	0.12337	0.337067	0
PAK2	-0.13558	0.123442	0.337197	0
EMC10	0.135236	0.123476	0.33722	0
BCAS2	-0.17616	0.123549	0.337351	0

SLC44A1	-0.13727	0.123585	0.337379	0
STAB1	0.192159	0.123621	0.337408	0
DENND6A	-0.17683	0.123796	0.337816	0
ZNF711	-0.26688	0.123849	0.337825	0
CHD1	-0.19798	0.12385	0.337825	0
CNTNAP1	0.138144	0.123977	0.338102	0
BCKDHB	-0.18143	0.124027	0.33817	0
ANKZF1	0.138382	0.124101	0.338301	0
C15orf62	0.25132	0.124134	0.338322	0
FERMT1	-0.16879	0.124189	0.338405	0
DIMT1	-0.17621	0.124341	0.338637	0
REC8	-0.29732	0.124345	0.338637	0
EXOC1	-0.18767	0.124351	0.338637	0
ADGRL2	0.42894	0.124449	0.338818	0
RASGEF1A	0.158057	0.124468	0.338818	0
AKR1A1	0.1392	0.124547	0.338963	0
ADGRA3	-0.14147	0.124616	0.339041	0
TET2	-0.15006	0.124648	0.339041	0
SLC52A3	0.18463	0.124651	0.339041	0
HBQ1	0.192169	0.124701	0.339106	0
TLE6	0.176539	0.124732	0.339121	0
SSH3	0.163063	0.124777	0.339174	0
DCBLD2	-0.19793	0.124832	0.339237	0
CRNKL1	-0.21519	0.124851	0.339237	0
ANXA1	0.156429	0.124908	0.339274	0
YES1	-0.16279	0.124915	0.339274	0
OIP5-AS1	-0.14232	0.124953	0.339307	0
AC234917	0.288452	0.125016	0.33941	0
NUDT17	0.206132	0.125074	0.339489	0
ZFX	-0.16857	0.125097	0.339489	0
ANKRD65	-0.35189	0.125127	0.339504	0
PTBP3	-0.18221	0.125186	0.339594	0
KLHL24	0.190972	0.125303	0.339645	0
POLK	-0.26181	0.125308	0.339645	0
PLEKHO2	0.158656	0.125313	0.339645	0
GLI2	-0.19099	0.12536	0.339645	0
PHF10	-0.15754	0.125394	0.339645	0
C14orf93	0.170565	0.125401	0.339645	0
HILPDA	0.169145	0.125442	0.339645	0
RAB32	0.134132	0.125448	0.339645	0
RLF	-0.20298	0.12545	0.339645	0
SLAIN1	-0.37333	0.125471	0.339645	0
EDA	0.381918	0.125524	0.339645	0
ACTG1P22	-0.30054	0.125532	0.339645	0

C2CD2	-0.14992	0.125536	0.339645	0
AL355999.	-0.40079	0.125634	0.339842	0
CLK4	-0.20981	0.125672	0.339875	0
SPG7	0.132481	0.125768	0.340065	0
RHOQ	-0.169	0.125891	0.34033	0
MLF1	0.188252	0.125921	0.340342	0
SRP19	-0.27782	0.125992	0.340463	0
FRAT2	0.1647	0.1262	0.340862	0
LRRFIP1	-0.15095	0.126203	0.340862	0
EEPD1	0.162453	0.126216	0.340862	0
CCNH	-0.19739	0.126269	0.340936	0
CLK3	0.135331	0.126361	0.341115	0
RAB6A	-0.16102	0.126525	0.34149	0
SENP6	-0.17271	0.126604	0.341612	0
IFI27L1	0.229225	0.126622	0.341612	0
PTPN3	-0.16242	0.126684	0.341711	0
MAOB	0.243449	0.126733	0.341774	0
YIF1B	0.173418	0.126836	0.341984	0
EBPL	0.128205	0.127001	0.342261	0
KIAA1522	0.134365	0.12701	0.342261	0
MOSPD3	0.171601	0.127016	0.342261	0
C1RL-AS1	-0.22625	0.127184	0.342644	0
STX16	-0.15674	0.12723	0.342699	0
MSANTD2	-0.19767	0.127289	0.342746	0
MLLT11	-0.13574	0.127299	0.342746	0
LRP3	0.139294	0.127338	0.342781	0
FAM234B	-0.15564	0.127482	0.343016	0
RASSF2	-0.22135	0.127486	0.343016	0
E2F1	0.144549	0.127508	0.343016	0
NCOA6	-0.13047	0.127528	0.343016	0
PALM2-AK	-0.15994	0.127624	0.343205	0
ASIC1	0.140387	0.127652	0.34321	0
POLR2K	-0.18307	0.127774	0.343409	0
EXOSC10	-0.15134	0.127803	0.343409	0
ECHS1	0.126876	0.127828	0.343409	0
C16orf70	-0.14826	0.127829	0.343409	0
C8orf76	-0.35962	0.127925	0.343559	0
TUBGCP3	-0.15233	0.127954	0.343559	0
MALAT1	-0.25846	0.127962	0.343559	0
RNF227	0.213317	0.12802	0.343647	0
ZNF362	0.15462	0.128127	0.343864	0
ZNF776	-0.20294	0.12824	0.344045	0
ODF2	-0.12482	0.128246	0.344045	0
FNDC11	-0.48373	0.128324	0.344186	0

SRGAP1	-0.18794	0.128395	0.344306	0
ORC6	-0.18527	0.128421	0.344307	0
GAREM1	-0.20013	0.128559	0.34454	0
AC018628	-0.46063	0.128609	0.34454	0
KIAA0753	-0.16629	0.128628	0.34454	0
KIF3C	0.127586	0.128636	0.34454	0
BAIAP3	0.252856	0.128637	0.34454	0
NUBP1	0.15265	0.128693	0.344556	0
AADAT	-0.19797	0.128706	0.344556	0
CACNG7	0.27332	0.12874	0.344556	0
MTA2	0.125569	0.128747	0.344556	0
MIGA1	-0.27742	0.128868	0.344811	0
SAMD14	0.179306	0.128965	0.345002	0
AL731569	-0.3586	0.128995	0.345013	0
DDX56	0.122088	0.129021	0.345013	0
AUTS2	-0.19768	0.129066	0.345064	0
CCDC85B	0.152687	0.129233	0.345442	0
TRIM28	0.132242	0.129361	0.345688	0
AL357075	0.315141	0.129399	0.345688	0
PIGM	-0.16785	0.129425	0.345688	0
CCDC136	-0.23494	0.129441	0.345688	0
ANKRD13C	-0.20211	0.129461	0.345688	0
TGDS	-0.18758	0.129488	0.345688	0
SNAP47	0.136224	0.129507	0.345688	0
DDX49	0.13881	0.129537	0.3457	0
NBPF1	-0.15841	0.129706	0.346081	0
UROS	0.126102	0.129816	0.346307	0
KCNIP2	-0.31609	0.13001	0.346745	0
AC024884	0.400686	0.130033	0.346745	0
TPI1P1	0.276612	0.130071	0.346778	0
ZNF77	-0.1767	0.13025	0.347186	0
TNPO1	-0.15086	0.130329	0.347261	0
RPS3AP5	0.325082	0.13033	0.347261	0
MINPP1	-0.17266	0.130391	0.347355	0
AC076968	-0.30578	0.130501	0.347547	0
CORIN	0.214501	0.130543	0.347547	0
FAM111A	-0.28316	0.130569	0.347547	0
AC006538	0.391165	0.130586	0.347547	0
IQCK	-0.34765	0.130606	0.347547	0
PPP1R9B	0.126775	0.13062	0.347547	0
MRPS23	0.147585	0.130671	0.347556	0
AC087741	0.31368	0.130676	0.347556	0
BBS12	-0.34141	0.130742	0.347663	0
LINC01091	0.230007	0.130936	0.34795	0

EXOG	-0.20639	0.13095	0.34795	0
ACVR2A	-0.22024	0.130953	0.34795	0
SLC18B1	-0.13829	0.130954	0.34795	0
COA7	-0.1467	0.131085	0.348226	0
PDSS2	-0.15258	0.131138	0.348226	0
NOL8	-0.2087	0.13114	0.348226	0
AL390800.	-0.50226	0.131163	0.348226	0
XPO6	-0.11768	0.131215	0.348297	0
ATP13A3	-0.15874	0.131299	0.348448	0
ABTB2	0.161871	0.131429	0.348677	0
SLC39A7	0.127063	0.131437	0.348677	0
GABPA	-0.21762	0.131537	0.34874	0
PTPN18	0.124373	0.131567	0.34874	0
PSMA5	-0.12742	0.131601	0.34874	0
REPS1	-0.15247	0.131613	0.34874	0
ZZEF1	-0.1261	0.131651	0.34874	0
ZSCAN2	0.166339	0.131663	0.34874	0
CCDC82	-0.30584	0.131664	0.34874	0
TOR1AIP1	-0.17182	0.131683	0.34874	0
KCTD2	0.127061	0.131696	0.34874	0
MSL1	-0.12538	0.131796	0.348935	0
POC5	-0.30043	0.131986	0.34937	0
NPC1L1	0.332258	0.132101	0.34958	0
MAP4K1	0.247265	0.132118	0.34958	0
CSPG5	0.251076	0.132287	0.349918	0
CRY2	0.158037	0.132319	0.349918	0
CPSF2	-0.16563	0.132325	0.349918	0
GSS	0.128744	0.13245	0.350179	0
SLC35D2	-0.19209	0.132562	0.350359	0
TMEM198	0.227355	0.13257	0.350359	0
SHROOM3	-0.13968	0.13264	0.350475	0
DYNC2LI1	0.208442	0.132681	0.350512	0
PLAGL1	-0.15289	0.132762	0.350657	0
SIRT3	0.16536	0.132885	0.350912	0
DCLRE1B	-0.13642	0.132923	0.350943	0
ANAPC11	0.121964	0.133032	0.351109	0
UBE3A	-0.15487	0.133064	0.351109	0
SMC6	-0.27514	0.133089	0.351109	0
DENND4A	-0.21899	0.133109	0.351109	0
SNHG5	-0.14411	0.133119	0.351109	0
JAK2	-0.27152	0.133144	0.351109	0
CPLX1	0.194816	0.133171	0.351112	0
ST8SIA6	-0.18771	0.133273	0.351308	0
RPL6P27	-0.47398	0.133298	0.351308	0

HSPA1B	0.141529	0.133361	0.35133	0
CCDC9	0.152704	0.133401	0.35133	0
SNRNP48	-0.22021	0.133428	0.35133	0
G2E3	-0.2741	0.133449	0.35133	0
NUDCD3	0.138932	0.133461	0.35133	0
ANAPC13	-0.18213	0.133501	0.35133	0
C20orf27	0.134967	0.133506	0.35133	0
KCNC4	0.355061	0.133538	0.35133	0
NPRL3	0.133262	0.133544	0.35133	0
MAP3K7	-0.15483	0.133607	0.351361	0
SLC35G2	-0.18078	0.133608	0.351361	0
ZXDB	-0.2651	0.13368	0.351481	0
ZNF622	0.147811	0.133781	0.351556	0
COIL	-0.17325	0.133788	0.351556	0
SAPCD1-A'	0.468693	0.133788	0.351556	0
PDCL3	-0.16956	0.13386	0.351675	0
RAF1	-0.12789	0.133932	0.351795	0
TNKS	-0.13781	0.133992	0.351884	0
PFKL	0.143901	0.134054	0.351976	0
TGOLN2	-0.12891	0.134147	0.352152	0
PNRC2	-0.16093	0.134217	0.352266	0
TADA2A	-0.16297	0.134258	0.352305	0
SLFNL1-AS	-0.35196	0.134351	0.352404	0
CRISPLD2	-0.42283	0.134373	0.352404	0
HMGA2	-0.1268	0.134375	0.352404	0
CPNE8	-0.18798	0.134412	0.352431	0
TLX3	0.182039	0.134596	0.352802	0
POLR1B	-0.12849	0.134621	0.352802	0
MTMR6	-0.18198	0.134652	0.352802	0
ELK3	-0.17808	0.13471	0.352802	0
ACP1	-0.13841	0.134726	0.352802	0
LARGE1	0.169236	0.134731	0.352802	0
TMEM143	-0.19588	0.134739	0.352802	0
CCHCR1	0.139062	0.134791	0.352841	0
LRRC8C	-0.28761	0.134841	0.352841	0
NEO1	0.116117	0.134846	0.352841	0
TIGD2	-0.25212	0.134859	0.352841	0
ENTPD1-A'	-0.1675	0.134907	0.352898	0
STK10	0.127641	0.134949	0.352938	0
STARD9	-0.15358	0.135074	0.35314	0
BAZ1A	-0.1903	0.135093	0.35314	0
TTLL1	0.194932	0.135106	0.35314	0
UFSP1	0.27041	0.135172	0.353148	0
MRRF	-0.16685	0.135177	0.353148	0

PAK6	-0.37573	0.135198	0.353148	0
MTRF1	-0.26463	0.135215	0.353148	0
NAGS	0.268711	0.135376	0.3535	0
EIF3H	-0.13516	0.135439	0.353594	0
LINC01355	-0.35137	0.135571	0.35387	0
UGDH-AS1	0.24801	0.135691	0.354065	0
NFYC-AS1	-0.42889	0.135699	0.354065	0
LENG1	0.177863	0.13579	0.354234	0
KATNAL1	-0.24019	0.135935	0.354475	0
MEF2A	-0.15592	0.135954	0.354475	0
RPS27AP1	0.261543	0.135962	0.354475	0
AL353622	-0.2238	0.136012	0.354536	0
TMED10	-0.14112	0.136123	0.354756	0
KLF6	-0.15294	0.136209	0.354909	0
AC010186	-0.42118	0.136319	0.355014	0
UTRN	-0.42963	0.136322	0.355014	0
LINC02593	0.406998	0.136421	0.355014	0
PDXDC1	-0.12657	0.136459	0.355014	0
NBDY	0.138109	0.136468	0.355014	0
RBM4	-0.14082	0.136528	0.355014	0
AP001066	0.392786	0.136561	0.355014	0
MRTFA	0.126232	0.136562	0.355014	0
SDS	0.444744	0.13659	0.355014	0
AC132938	0.510959	0.136623	0.355014	0
DLX6-AS1	-0.31698	0.136632	0.355014	0
AC132872	-0.43406	0.136635	0.355014	0
PIANP	0.149774	0.136641	0.355014	0
TVP23C	-0.39567	0.136644	0.355014	0
IQGAP1	-0.14539	0.136648	0.355014	0
GPR146	0.341974	0.13672	0.355131	0
ITPRIPL2	-0.14346	0.136843	0.355383	0
PFKP	0.124683	0.13692	0.355393	0
ANKRD40	-0.14043	0.136925	0.355393	0
PHKB	-0.15424	0.136927	0.355393	0
IFITM3	0.124373	0.136977	0.355452	0
PAIP1	-0.16367	0.137136	0.355772	0
TOP1MT	0.131176	0.137154	0.355772	0
RARB	0.407169	0.137222	0.355802	0
HARBI1	-0.33328	0.137235	0.355802	0
FSCN2	0.253968	0.137246	0.355802	0
GDAP1	-0.21773	0.137272	0.355802	0
BRAT1	0.13315	0.137494	0.356245	0
DOCK1	-0.13652	0.137515	0.356245	0
SELENOO	0.148631	0.137523	0.356245	0

ERN2	0.300913	0.137677	0.356576	0
PIGS	0.131068	0.137754	0.356704	0
ANAPC10	-0.29876	0.137875	0.356949	0
VCL	-0.12162	0.137986	0.357166	0
EMB	-0.17558	0.138034	0.357222	0
UBALD2	-0.15344	0.138104	0.357309	0
ROCK1	-0.18806	0.138121	0.357309	0
PTGES3L	-0.27549	0.138227	0.357514	0
MRPS21	0.121199	0.138269	0.357551	0
KCNQ2	0.158895	0.138506	0.358074	0
FMNL1	0.164654	0.138534	0.358074	0
ZNF775	0.167624	0.138571	0.358074	0
NEFL	0.234609	0.138581	0.358074	0
MYLIP	-0.24171	0.138605	0.358074	0
HLA-F-AS1	-0.26325	0.138656	0.358137	0
DUSP13	0.296049	0.13879	0.358279	0
N4BP2	-0.21938	0.138796	0.358279	0
CNPY2	-0.18287	0.138807	0.358279	0
CSNK1G1	-0.15698	0.138818	0.358279	0
FBXO33	-0.22575	0.138848	0.358285	0
GAL3ST3	0.24159	0.138901	0.358353	0
MMP17	0.196965	0.138961	0.358398	0
PRR5	0.190346	0.138991	0.358398	0
VIRMA	-0.16792	0.139021	0.358398	0
MYO18A	0.138711	0.139043	0.358398	0
KLC2	0.144873	0.139055	0.358398	0
SCRN1	-0.13312	0.139133	0.358398	0
FSCN1	0.131081	0.13914	0.358398	0
HSP90AB1	-0.1171	0.139216	0.358398	0
GINM1	-0.18125	0.139222	0.358398	0
DDO	0.264041	0.139269	0.358398	0
PARGP1	-0.37759	0.139292	0.358398	0
TBC1D15	-0.20182	0.139299	0.358398	0
PI4K2A	0.142717	0.139299	0.358398	0
SYVN1	0.133759	0.139319	0.358398	0
GTF2H1	-0.1599	0.139322	0.358398	0
SLC25A24	-0.15075	0.139395	0.358518	0
PURA	-0.17262	0.139502	0.358724	0
ZNF814	-0.19196	0.139694	0.359147	0
APLP1	0.145014	0.139741	0.359199	0
METTL23	-0.15868	0.139827	0.359351	0
TYRP1	-0.16297	0.139882	0.359396	0
HOOK3	-0.16589	0.139898	0.359396	0
RASSF3	-0.15402	0.140088	0.359815	0

BRD3OS	0.134538	0.140199	0.360029	0
SAMHD1	-0.1721	0.140248	0.360049	0
PCCB	0.116905	0.140261	0.360049	0
PRKACB	-0.23381	0.14042	0.360388	0
PDK1	-0.15832	0.140447	0.360388	0
PNPO	0.134427	0.140616	0.360752	0
SMNDC1	-0.14737	0.140686	0.360813	0
GLUL	0.115354	0.140694	0.360813	0
PMP22	-0.17697	0.140812	0.361046	0
SND1	0.114206	0.14087	0.361127	0
B2M	0.122313	0.140905	0.361148	0
PCDH7	0.206616	0.140951	0.361196	0
THOC1	-0.20043	0.140981	0.361202	0
BAZ1B	-0.13515	0.14104	0.361234	0
ALG13	-0.2026	0.141048	0.361234	0
ZNF653	0.219123	0.141074	0.361234	0
GPATCH11	-0.17904	0.141148	0.361353	0
PPIA	0.119114	0.141197	0.361408	0
LINC01659	0.356209	0.141265	0.361485	0
BIVM	-0.21201	0.141281	0.361485	0
WRAP53	0.14674	0.141308	0.361486	0
C12orf4	-0.24402	0.141403	0.361657	0
CCDC154	-0.42725	0.14143	0.361657	0
ABCC10	0.162948	0.141493	0.361749	0
FOXO4-AS1	-0.23514	0.141537	0.361792	0
TMEM243	-0.15768	0.141565	0.361795	0
CA12	-0.13823	0.141668	0.361988	0
ARGLU1	-0.13255	0.141706	0.361996	0
HDAC6	0.136845	0.141725	0.361996	0
PIGK	-0.2364	0.141809	0.362114	0
FOXO4	0.238691	0.141826	0.362114	0
XRN1	-0.17976	0.141961	0.362389	0
RHOBTB3	-0.13419	0.142025	0.362485	0
NARF	0.119523	0.142135	0.362593	0
LHFPL2	-0.16277	0.142163	0.362593	0
BORCS5	-0.18373	0.142166	0.362593	0
AC022167	-0.47718	0.142176	0.362593	0
ADAMTS10	0.276505	0.142386	0.363058	0
ALKBH4	0.15728	0.142535	0.363229	0
ALDH2	0.131438	0.142561	0.363229	0
ABHD3	-0.18791	0.142567	0.363229	0
UBE3C	-0.12464	0.142599	0.363229	0
NCBP2	-0.14139	0.142603	0.363229	0
RAB7A	-0.1171	0.142616	0.363229	0

RPTOR	0.131242	0.142663	0.363278	0
CD164	-0.15523	0.142736	0.36333	0
JTB	-0.14788	0.142738	0.36333	0
MCOLN3	-0.24945	0.142771	0.363344	0
MRPL11	0.120553	0.142885	0.363495	0
PPP4R3A	-0.16673	0.14289	0.363495	0
PROSER1	-0.1558	0.142912	0.363495	0
TRIM35	0.144699	0.143023	0.36371	0
ABAT	-0.21672	0.143078	0.363773	0
ATF4	0.117758	0.143105	0.363773	0
HLA-L	0.382382	0.14315	0.363773	0
CACNB1	0.168851	0.143157	0.363773	0
JAK1	-0.14809	0.143341	0.36417	0
TMEM131	-0.16651	0.14337	0.364174	0
AC007383	0.275612	0.143401	0.364183	0
GTF2IP20	-0.23232	0.143509	0.36439	0
C8orf58	0.156851	0.143537	0.36439	0
UBE2H	-0.12085	0.143584	0.3644	0
ESPN	0.158804	0.143596	0.3644	0
RHBDF2	0.13831	0.143706	0.364546	0
PTOV1-AS1	-0.28892	0.143708	0.364546	0
CCDC18	-0.53721	0.143804	0.364721	0
NOTCH3	0.133123	0.143844	0.364754	0
NPIP4	-0.33223	0.14389	0.3648	0
S100A5	0.317517	0.143979	0.36492	0
CREG1	-0.17106	0.143997	0.36492	0
GLT8D1	-0.16385	0.144019	0.36492	0
TMEM116	-0.18316	0.144135	0.365144	0
BSCL2	0.365554	0.144195	0.365227	0
ZNF687	0.129825	0.144345	0.365536	0
RAB24	0.134547	0.144438	0.365617	0
DGKE	-0.17477	0.144451	0.365617	0
STAC3	0.255144	0.144459	0.365617	0
ARMC1	-0.18286	0.144532	0.365721	0
DYNLT1	0.144041	0.144556	0.365721	0
GLMN	-0.3543	0.144647	0.365721	0
SMAD9	-0.15526	0.144685	0.365721	0
SPOPL	-0.20111	0.144717	0.365721	0
PLXNA3	0.146717	0.144718	0.365721	0
ETV3	-0.15022	0.144734	0.365721	0
APOL1	0.2413	0.144741	0.365721	0
DDX54	0.118616	0.144747	0.365721	0
AL590556	0.300615	0.144789	0.365759	0
CCDC86	0.123071	0.144874	0.365828	0

LMTK3	0.169785	0.144917	0.365828	0
GRB7	0.215187	0.144921	0.365828	0
PLCH1	-0.16875	0.144955	0.365828	0
PCBP1	0.109224	0.144991	0.365828	0
HELB	-0.19595	0.145034	0.365828	0
USP2	0.160076	0.145047	0.365828	0
AFF4	-0.14553	0.145052	0.365828	0
LIMD1-AS1	-0.35009	0.145064	0.365828	0
CPS1	0.200092	0.145226	0.366167	0
LONP1	0.124235	0.145295	0.366272	0
MARCH7	-0.14147	0.145448	0.366527	0
NMT1	0.112717	0.145451	0.366527	0
AGPAT1	0.123791	0.145528	0.366593	0
MFAP4	0.232349	0.145532	0.366593	0
CNKSR3	-0.23588	0.145623	0.366702	0
CNOT10	-0.16748	0.145636	0.366702	0
CRACR2B	0.146024	0.145679	0.366702	0
TRIP6	0.116083	0.145713	0.366702	0
CA14	0.116214	0.145714	0.366702	0
CATSPERG	-0.39405	0.145745	0.366702	0
CEP104	-0.14418	0.145768	0.366702	0
FBXL3	-0.21491	0.145852	0.366844	0
DYRK1A	-0.16442	0.146055	0.367286	0
EML4	-0.12088	0.146083	0.367287	0
XRCC2	-0.21883	0.146168	0.367376	0
ESS2	0.166379	0.146174	0.367376	0
GNAI1	-0.16754	0.146201	0.367376	0
PRDM5	-0.24585	0.146229	0.367376	0
ZNF189	-0.1715	0.146293	0.367403	0
POLR1C	0.134135	0.146294	0.367403	0
B3GALT4	0.363144	0.146324	0.367408	0
REL	-0.2092	0.146523	0.367839	0
FGF11	0.344285	0.146553	0.367839	0
CYLD	-0.17801	0.146578	0.367839	0
PPP1R37	0.161664	0.146643	0.367887	0
CTNS	0.143343	0.146675	0.367887	0
PDHA1	-0.12353	0.14668	0.367887	0
AC087289	-0.32504	0.146833	0.36813	0
LSR	0.131085	0.146868	0.36813	0
WBP1L	0.138297	0.146915	0.36813	0
ARHGDI1A	0.119298	0.146929	0.36813	0
MTSS2	0.129608	0.14693	0.36813	0
RDH14	-0.18647	0.146943	0.36813	0
AC011303	0.14288	0.147094	0.368374	0

TAPBPL	0.19096	0.147096	0.368374	0
UBBP1	0.526894	0.147123	0.368374	0
AC010680	-0.35161	0.147231	0.368377	0
AMH	-0.33493	0.147256	0.368377	0
MED25	0.117284	0.147257	0.368377	0
SNAPC5	-0.18888	0.147278	0.368377	0
REEP3	-0.16532	0.147289	0.368377	0
TRA2B	-0.12695	0.147324	0.368377	0
FLCN	0.166601	0.147337	0.368377	0
RTCA	-0.16118	0.147345	0.368377	0
PCYOX1L	0.149683	0.147382	0.3684	0
TUB	-0.13182	0.147465	0.368538	0
YKT6	0.119421	0.147501	0.36856	0
ANTXR1	-0.13965	0.147576	0.368677	0
AC022506	0.362046	0.147853	0.369187	0
ABL2	-0.13865	0.147864	0.369187	0
SNX9	-0.14225	0.147934	0.369187	0
CARD19	0.159039	0.147939	0.369187	0
FBXO46	0.139206	0.147944	0.369187	0
DNAAF2	-0.19971	0.147958	0.369187	0
AC026401	-0.20092	0.147993	0.369187	0
NUDT13	-0.34614	0.148002	0.369187	0
ZNF443	-0.32713	0.148051	0.369241	0
ZBED4	-0.13139	0.14808	0.369245	0
SMU1	-0.14168	0.148148	0.369345	0
CDKN2AIP	-0.19599	0.148315	0.369634	0
RRN3P3	-0.22284	0.148319	0.369634	0
PDLIM2	0.180055	0.148349	0.369638	0
SYNCRIP	-0.13914	0.148473	0.369867	0
TBC1D30	-0.14532	0.14851	0.369867	0
USP10	-0.13416	0.148524	0.369867	0
DNAJB1	0.117637	0.14868	0.370161	0
C3orf52	-0.41941	0.148697	0.370161	0
SCAMP5	0.143728	0.14884	0.370447	0
RNF38	-0.18963	0.148881	0.37048	0
HOOK2	0.153725	0.148935	0.370545	0
PSMD1	-0.14808	0.148989	0.370587	0
GRK6	0.130244	0.149027	0.370587	0
SLC9A3	0.212309	0.149057	0.370587	0
OTULIN	-0.1513	0.149083	0.370587	0
URAHP	0.247595	0.149094	0.370587	0
C2orf49	-0.16602	0.149119	0.370587	0
TP53BP2	-0.13786	0.149243	0.370827	0
CD47	-0.22644	0.149298	0.370896	0

ZBED6	-0.39203	0.149351	0.370958	0
CD40	0.152278	0.149423	0.371041	0
PRX	0.159154	0.149441	0.371041	0
C1orf220	-0.29616	0.149496	0.371064	0
ARL6IP6	-0.17596	0.149506	0.371064	0
ZNF195	-0.17632	0.149807	0.371724	0
ACTN2	-0.32197	0.149827	0.371724	0
PGPEP1	0.156898	0.149959	0.371918	0
PRELID1	0.118464	0.149961	0.371918	0
CDK16	0.11674	0.150103	0.372135	0
USP25	-0.17948	0.150104	0.372135	0
CCDC171	-0.41503	0.150174	0.372228	0
RFXAP	-0.25488	0.150198	0.372228	0
TIMP2	0.118455	0.15032	0.372313	0
AL050341.	-0.23625	0.150324	0.372313	0
DIRAS1	0.131466	0.150331	0.372313	0
PRMT7	0.143911	0.150355	0.372313	0
RWDD4	-0.26271	0.150404	0.372313	0
MAGOH	0.149118	0.150415	0.372313	0
S1PR5	0.16118	0.150428	0.372313	0
FHIT	0.322997	0.150518	0.372468	0
AC107959	0.338802	0.150615	0.372638	0
B3GNT5	-0.31534	0.150765	0.37294	0
CDK11A	-0.30192	0.150891	0.373182	0
AC132008	-0.17796	0.151004	0.373335	0
PIM2	0.150966	0.151008	0.373335	0
SHISA5	0.11495	0.151115	0.373528	0
PAAF1	0.143936	0.151168	0.373555	0
GSDMD	0.37617	0.151182	0.373555	0
BACE1-AS	-0.31633	0.151372	0.373905	0
CLU	0.116128	0.151387	0.373905	0
MEPCE	0.138643	0.151407	0.373905	0
FAM229B	0.310786	0.151473	0.373995	0
ANGPTL4	0.204423	0.1515	0.373995	0
LINC00957	0.282075	0.151659	0.374319	0
CD27-AS1	0.156436	0.151714	0.374373	0
PLS3	-0.13216	0.151737	0.374373	0
METTL1	0.181518	0.151836	0.374547	0
METTL14	-0.19382	0.151959	0.374782	0
SYPL1	-0.1673	0.152041	0.374916	0
CAD	0.116508	0.152103	0.374942	0
SEC14L1	-0.1202	0.152114	0.374942	0
SLC25A35	0.154658	0.152185	0.374942	0
ZC3HAV1	-0.12908	0.152186	0.374942	0

ERGIC1	0.11406	0.152196	0.374942	0
PPIC	0.137655	0.152221	0.374942	0
FAM161B	0.323464	0.152262	0.374974	0
C12orf66	-0.23118	0.1523	0.374998	0
SATB2-AS1	-0.40567	0.152332	0.375007	0
GOLGA2P5	-0.20631	0.15243	0.375172	0
TMEM242	-0.2106	0.152455	0.375172	0
SLC11A2	-0.12311	0.15261	0.375431	0
PCDHB2	-0.15485	0.152616	0.375431	0
UBE2Q2	-0.19054	0.152687	0.375534	0
NUDT12	-0.2453	0.152755	0.375633	0
TMC8	0.316867	0.152786	0.375639	0
HEYL	0.16912	0.152906	0.375865	0
ZNF789	-0.1784	0.153063	0.376129	0
STX1B	0.371081	0.153072	0.376129	0
HCFC2	-0.26055	0.153098	0.376129	0
SNHG26	-0.35696	0.153234	0.376395	0
RTCA-AS1	-0.40358	0.153331	0.376532	0
SLC2A3	-0.12217	0.153347	0.376532	0
KANSL1L	-0.31306	0.153424	0.376654	0
KREMEN1	0.136861	0.153456	0.376663	0
BIRC5	-0.11224	0.153535	0.376787	0
CDC73	-0.15549	0.153618	0.376922	0
TBX1	0.167281	0.153704	0.377023	0
ZDHHC24	0.18285	0.153716	0.377023	0
PPARD	0.134786	0.153779	0.377108	0
TRMT61B	-0.18802	0.153824	0.37715	0
HDAC4	-0.14411	0.153939	0.377363	0
ALG9	-0.2557	0.154054	0.377575	0
RIC8A	0.121474	0.154089	0.377591	0
AHCTF1	-0.16643	0.154248	0.377885	0
PSMB7	0.116143	0.154272	0.377885	0
DCPS	0.117363	0.154303	0.377885	0
AL645568.	-0.34491	0.154335	0.377885	0
NUP35	-0.19584	0.154351	0.377885	0
MBOAT7	0.126748	0.154415	0.377973	0
RNF111	-0.15705	0.154446	0.377978	0
HIST1H2BF	-0.34551	0.154496	0.377982	0
TFE3	0.118653	0.154571	0.377982	0
FAM172A	-0.18019	0.154579	0.377982	0
CERS6	-0.15176	0.154585	0.377982	0
CLCN7	0.129311	0.154589	0.377982	0
CARD14	-0.23972	0.154713	0.378215	0
ZNF667-AS	-0.27111	0.154808	0.378378	0

MIR4458H	0.284584	0.154884	0.378495	0
CHAC1	0.348608	0.155206	0.379213	0
ARL2BP	-0.12564	0.155247	0.379243	0
FBXO4	-0.21831	0.155325	0.379364	0
PPFIA3	0.137634	0.155446	0.37959	0
AC087752	-0.38129	0.155522	0.379664	0
AL590822	0.164047	0.155566	0.379664	0
SBF1	0.1286	0.155622	0.379664	0
RASA4CP	0.342803	0.15563	0.379664	0
CAMK1D	-0.14698	0.155643	0.379664	0
MTIF2	-0.15841	0.155647	0.379664	0
KDEL2	-0.1106	0.155732	0.379738	0
MAP3K2	-0.16519	0.155736	0.379738	0
RASSF8-AS	-0.18254	0.155763	0.379738	0
UQCR11	0.136929	0.155923	0.380058	0
BIN1	0.134041	0.155969	0.3801	0
ZNRF2P2	-0.38613	0.15602	0.380157	0
MDGA1	0.332044	0.15605	0.380159	0
AD001527	-0.49803	0.156152	0.38034	0
USP45	-0.2243	0.15623	0.380459	0
NR1D1	0.146162	0.15627	0.380473	0
TRPM4	0.156366	0.156293	0.380473	0
METTL18	0.298738	0.156338	0.380514	0
PGK1	0.11869	0.156394	0.380581	0
KCTD6	-0.22285	0.156559	0.380912	0
GAS5	0.139944	0.156689	0.381097	0
ZNRD1	0.15808	0.156692	0.381097	0
MIR199A2	-0.44185	0.15672	0.381097	0
PDIA2	-0.22375	0.15688	0.381415	0
SNX5	-0.13082	0.156926	0.381457	0
SNHG30	-0.19704	0.156997	0.381561	0
TESK1	0.141034	0.15713	0.381815	0
TBCCD1	-0.16985	0.157255	0.382015	0
GPR137C	-0.31059	0.157286	0.382015	0
TSPAN3	-0.12573	0.157298	0.382015	0
PLD2	0.13425	0.157355	0.382055	0
PHACTR4	-0.12471	0.1574	0.382055	0
EP400P1	-0.18273	0.157401	0.382055	0
MYO1B	-0.16506	0.157548	0.382322	0
ERCC6L2	-0.18394	0.157568	0.382322	0
TMEM160	-0.15602	0.157624	0.382388	0
AC092683	-0.50237	0.157686	0.382409	0
NPHP4	0.141601	0.157742	0.382409	0
AP001350	-0.73595	0.157745	0.382409	0

DPP8	-0.1641	0.157771	0.382409	0
NUDC	0.11314	0.157776	0.382409	0
ZNF513	0.172399	0.157885	0.382602	0
NACA	0.131778	0.158022	0.38265	0
AP000704	-0.32972	0.15803	0.38265	0
INTS1	0.119166	0.158041	0.38265	0
NFX1	-0.12454	0.158045	0.38265	0
AL135925	0.362252	0.15807	0.38265	0
RYK	-0.13066	0.158077	0.38265	0
PSMB8	0.185519	0.158274	0.383011	0
SERAC1	-0.23596	0.158321	0.383011	0
GLUD1	-0.11547	0.158322	0.383011	0
SNX18P7	-0.36004	0.158372	0.383011	0
CLINT1	-0.14346	0.15841	0.383011	0
CLK1	-0.16839	0.15841	0.383011	0
AANAT	0.330648	0.158427	0.383011	0
GLB1L2	0.14367	0.158495	0.383107	0
COX15	-0.13108	0.158571	0.383219	0
TRABD	0.11569	0.158653	0.383349	0
MROH1	0.141252	0.158722	0.383445	0
AC131097	0.295487	0.158815	0.383448	0
GPBP1L1	-0.12486	0.158822	0.383448	0
APAF1	-0.16263	0.15884	0.383448	0
TTL	-0.1202	0.15886	0.383448	0
POLR3G	-0.2498	0.158877	0.383448	0
RAD51C	-0.15631	0.158927	0.383448	0
CRTC2	0.122924	0.158931	0.383448	0
POLE2	-0.21525	0.158961	0.383448	0
HCN3	-0.13074	0.158994	0.383448	0
ZNF852	-0.22879	0.159014	0.383448	0
SH3GLB2	0.132013	0.159039	0.383448	0
AL353194	-0.54118	0.15911	0.383551	0
VPS13B	-0.14737	0.159344	0.383963	0
AC027307	-0.4484	0.159366	0.383963	0
WDR55	0.131412	0.159368	0.383963	0
NNT	-0.12761	0.159432	0.384047	0
KLHDC4	0.137346	0.159497	0.384136	0
TMEM230	-0.13843	0.159561	0.384182	0
MTG1	-0.16315	0.159574	0.384182	0
MTDH	-0.14815	0.159657	0.384313	0
DTX4	0.137228	0.159727	0.384413	0
ERI2	-0.23709	0.159801	0.384519	0
RNF24	-0.14363	0.159854	0.384578	0
DDX6	-0.1298	0.160073	0.385037	0

RABGAP1L	-0.15742	0.160105	0.385044	0
UBAP1	0.117261	0.160141	0.38506	0
SEC24A	-0.17712	0.160184	0.385095	0
NADK2	-0.16723	0.16023	0.385136	0
PDZD8	-0.18371	0.160376	0.385417	0
SNX11	0.161936	0.160491	0.385623	0
MYH14	0.1357	0.16072	0.386065	0
SPRED2	-0.11981	0.160732	0.386065	0
AC018865	-0.27794	0.160805	0.386169	0
USP49	-0.17367	0.160884	0.38621	0
L2HGDH	-0.14796	0.160916	0.38621	0
LINC00174	-0.22887	0.160972	0.38621	0
RAD52	-0.17713	0.160989	0.38621	0
ZNF112	-0.3326	0.161015	0.38621	0
PRIMPOL	-0.20395	0.161017	0.38621	0
PIKFYVE	-0.1516	0.161025	0.38621	0
TIMM9	-0.14579	0.161092	0.386303	0
COX18	-0.18866	0.161142	0.386352	0
CDC16	-0.13611	0.161274	0.3866	0
ATP8B3	0.137492	0.16138	0.38677	0
VPS26B	0.113652	0.161403	0.38677	0
SLC25A17	-0.15042	0.161492	0.386885	0
REXO2	-0.15142	0.161509	0.386885	0
THADA	-0.14819	0.161595	0.387022	0
TIMM8A	-0.1973	0.161687	0.387147	0
MUC20-O1	-0.19703	0.161706	0.387147	0
USP30	0.155155	0.161833	0.387274	0
SMARCA2	-0.18141	0.161896	0.387274	0
ATXN1L	-0.11983	0.161897	0.387274	0
HLTF	-0.16207	0.161901	0.387274	0
CEP112	-0.26988	0.161912	0.387274	0
MED31	0.168574	0.161933	0.387274	0
UBASH3B	-0.19335	0.161974	0.387302	0
RAD54L	-0.13364	0.162094	0.387519	0
ZCCHC7	-0.17049	0.162252	0.387829	0
DKK1	0.131957	0.162516	0.38839	0
ILF3-DT	-0.16161	0.162569	0.388446	0
HARS	0.111029	0.162613	0.388482	0
SMAD1	-0.17605	0.162738	0.388626	0
FNDC3A	-0.13807	0.162739	0.388626	0
RPS28P7	0.324041	0.162792	0.388626	0
PHF7	-0.20848	0.16281	0.388626	0
SFT2D3	-0.14438	0.162819	0.388626	0
GLIS1	-0.32544	0.162914	0.388732	0

PATL1	-0.12831	0.162934	0.388732	0
FAM168B	-0.11607	0.162951	0.388732	0
PDE8A	-0.14916	0.163032	0.388765	0
CUL1	-0.14468	0.163046	0.388765	0
RARA-AS1	0.298108	0.163076	0.388765	0
DBH-AS1	0.219739	0.163084	0.388765	0
FRAT1	0.277475	0.163111	0.388765	0
RPL22P1	0.469222	0.163259	0.389019	0
TMEM120	0.134234	0.163275	0.389019	0
LASP1	0.108624	0.163319	0.389053	0
HRAS	0.135739	0.163376	0.389119	0
RPL4P3	0.445792	0.16342	0.389154	0
GALNT3	-0.32083	0.163492	0.3892	0
LTK	0.144652	0.163497	0.3892	0
MARCH9	0.153696	0.163575	0.3893	0
TSPAN1	0.275267	0.163598	0.3893	0
TANGO2	0.143345	0.163783	0.389672	0
CTDP1	0.153772	0.16387	0.389808	0
INTS10	-0.12832	0.163929	0.389862	0
UBAP2	-0.13387	0.163965	0.389862	0
FRMD8	0.128798	0.16398	0.389862	0
CCDC149	0.179611	0.164174	0.390235	0
GNL3L	-0.11946	0.164195	0.390235	0
TTI2	0.155058	0.164391	0.390593	0
EMG1	0.119065	0.164405	0.390593	0
METTL22	0.146685	0.16446	0.390654	0
ZNRF3	-0.1377	0.164541	0.390778	0
LDOC1	0.125662	0.16463	0.39092	0
AP002990	-0.38029	0.164766	0.391172	0
RASA2	-0.21018	0.164825	0.391242	0
GSTCD	-0.16306	0.164868	0.391266	0
STYK1	-0.30103	0.164893	0.391266	0
ATG4B	0.12054	0.164934	0.391293	0
SETD5	-0.11346	0.165008	0.391377	0
SURF1	0.161295	0.165028	0.391377	0
ATP13A1	0.120198	0.165062	0.391386	0
LINC00235	0.214311	0.165147	0.391491	0
CCT6P3	-0.33119	0.165164	0.391491	0
INF2	0.136956	0.16523	0.391577	0
FAM219A	0.147678	0.165334	0.391753	0
SOCS7	-0.12478	0.16542	0.391789	0
PALLD	-0.15942	0.165429	0.391789	0
CBX8	0.136442	0.165483	0.391789	0
RAI1	0.117295	0.165501	0.391789	0

FAM110A	-0.20322	0.165518	0.391789	0
PTPRF	0.114	0.165525	0.391789	0
RABEPK	0.131169	0.165598	0.391891	0
NEDD4	-0.14976	0.165652	0.39195	0
CTDSPL2	-0.17158	0.165749	0.392021	0
TLCD2	0.179969	0.165757	0.392021	0
NRIP2	0.219877	0.1658	0.392021	0
NELFA	0.127431	0.16581	0.392021	0
PLEKHF2	-0.23876	0.165829	0.392021	0
PDAP1	0.113056	0.165935	0.392166	0
TOM1L1	-0.14278	0.165949	0.392166	0
PMS2P3	0.244764	0.166074	0.392392	0
CYP2T1P	0.192497	0.166127	0.392399	0
AC013287	0.331022	0.166136	0.392399	0
ELP5	0.124809	0.166231	0.392553	0
RAP1GAP	0.354339	0.166293	0.392588	0
IRF2	-0.16505	0.166304	0.392588	0
CCDC74A	0.130199	0.166379	0.392642	0
ZNF425	0.16554	0.166386	0.392642	0
PLB1	-0.41287	0.166488	0.392812	0
GDI2	-0.13555	0.166525	0.392813	0
ZNF546	-0.30646	0.16657	0.392813	0
FGGY	0.207526	0.166581	0.392813	0
ACADVL	0.114108	0.166606	0.392813	0
AVIL	-0.3057	0.166793	0.393112	0
FOXP4	0.145349	0.166815	0.393112	0
AC067750	-0.31988	0.166821	0.393112	0
MKLN1-AS	-0.27284	0.166901	0.39323	0
RPL5	0.116629	0.166944	0.393261	0
TBC1D22B	0.130674	0.166994	0.393298	0
LINC02212	0.375025	0.167023	0.393298	0
PYM1	0.139151	0.167069	0.393298	0
ZNF567	-0.21088	0.167077	0.393298	0
TMEM161	0.128168	0.167323	0.393547	0
KCNH2	0.419063	0.16733	0.393547	0
LRRC37A4I	-0.17698	0.167396	0.393547	0
LINC00663	0.275695	0.167406	0.393547	0
MAP3K21	-0.18	0.167436	0.393547	0
FAM98A	-0.14953	0.167441	0.393547	0
LRCH3	-0.13414	0.167458	0.393547	0
DENND5B	-0.15802	0.167518	0.393547	0
AC008014	0.2832	0.167531	0.393547	0
PEX11G	0.231384	0.167537	0.393547	0
ZNF160	-0.16831	0.167542	0.393547	0

ACSM3	-0.15094	0.167574	0.393547	0
COG6	-0.17272	0.167584	0.393547	0
FGD1	0.122066	0.167596	0.393547	0
STX18	0.107539	0.167688	0.393693	0
MYOC	0.259829	0.167729	0.39372	0
CDC26	0.263215	0.167892	0.394034	0
KPNA6	-0.11567	0.168037	0.394304	0
ITGB7	0.253821	0.168079	0.394333	0
COA8	-0.18846	0.168151	0.39442	0
AC073861	0.176166	0.168218	0.39442	0
PLCD3	0.153705	0.168219	0.39442	0
SEMA3B	0.186302	0.168234	0.39442	0
EID2B	-0.28351	0.168396	0.394729	0
MYORG	0.126654	0.168543	0.395006	0
UPF3B	-0.20315	0.16866	0.395209	0
TGM2	0.29157	0.168721	0.395284	0
ZNF790	-0.33061	0.168799	0.395361	0
TAGLN	-0.15436	0.168814	0.395361	0
MRI1	0.121642	0.168887	0.395409	0
VPS4A	0.12821	0.168922	0.395409	0
IKZF4	-0.156	0.168923	0.395409	0
SDAD1	-0.16741	0.169072	0.395688	0
LYPD3	0.32312	0.169123	0.395738	0
ZNF280B	-0.24655	0.169178	0.395769	0
AC008105	-0.34381	0.169195	0.395769	0
PGF	0.232335	0.169296	0.395898	0
ABCB9	0.170913	0.16931	0.395898	0
PARP3	0.123526	0.169408	0.396039	0
KDM1B	-0.16038	0.16943	0.396039	0
ATXN7L3B	-0.10751	0.169505	0.396146	0
IKZF5	-0.19314	0.169633	0.396355	0
ANKLE2	-0.12247	0.169699	0.396355	0
HLA-DPB1	0.15757	0.169712	0.396355	0
XYLT2	0.141617	0.169721	0.396355	0
AL161787	0.276661	0.1698	0.396355	0
POGLUT1	-0.18873	0.169802	0.396355	0
LXN	0.186787	0.169803	0.396355	0
AP2A2	0.110574	0.169919	0.396503	0
ASF1B	-0.12047	0.169928	0.396503	0
PPP2R5C	-0.17062	0.169955	0.396503	0
SPOP	-0.14419	0.16999	0.396516	0
CENPN	-0.15266	0.170159	0.396722	0
HMOX2	0.120935	0.170161	0.396722	0
ZNF780A	-0.22905	0.170192	0.396722	0

TOGARAM	-0.23831	0.170198	0.396722	0
PANK4	0.13706	0.170303	0.396897	0
INKA2-AS1	0.326535	0.17037	0.396936	0
AC209154	-0.29931	0.170379	0.396936	0
TAOK2	0.118124	0.170535	0.39718	0
PXMP2	0.156798	0.170544	0.39718	0
ARHGEF26	-0.17939	0.170763	0.397577	0
MASTL	-0.16235	0.170773	0.397577	0
LNPEP	-0.1524	0.170906	0.397777	0
TDP1	-0.15509	0.170919	0.397777	0
NINJ1	0.134804	0.171058	0.398031	0
TRIP11	-0.27516	0.171173	0.398228	0
FAM160B2	0.128014	0.171314	0.398346	0
AGMO	-0.3585	0.171333	0.398346	0
FBXL15	0.156957	0.171365	0.398346	0
CIAPIN1	0.122773	0.171418	0.398346	0
EIF3I	0.105871	0.17142	0.398346	0
MPP5	-0.14597	0.171448	0.398346	0
SRPK2	-0.14734	0.171451	0.398346	0
AC079140	0.401805	0.171462	0.398346	0
AC003086	0.3512	0.171492	0.398347	0
PLEKHA3	-0.20341	0.171633	0.398499	0
LONRF1	-0.18682	0.171641	0.398499	0
RGL2	0.125047	0.171665	0.398499	0
COL19A1	-0.31969	0.171689	0.398499	0
PIK3CD-AS	0.198621	0.171736	0.398499	0
AL627171	-0.32133	0.171737	0.398499	0
RAPH1	-0.16541	0.171867	0.398589	0
FGD3	0.176458	0.171882	0.398589	0
ENOPH1	-0.15238	0.171883	0.398589	0
EVI5	-0.20498	0.171896	0.398589	0
MTMR10	-0.21866	0.171955	0.398657	0
PMM2	0.146112	0.172	0.398693	0
MIRLET7BI	0.303489	0.172076	0.398798	0
GABPB1-A	-0.15567	0.172167	0.398941	0
ZNF460	-0.33051	0.172225	0.399006	0
CCDC116	0.237226	0.172278	0.399059	0
RAB11FIP3	0.124957	0.17236	0.399172	0
HGFAC	-0.26312	0.172387	0.399172	0
CUL4B	-0.1398	0.172506	0.399379	0
PPIL3	-0.17667	0.172551	0.399414	0
DNASE1L2	0.224963	0.172602	0.399463	0
FANCB	-0.34944	0.172704	0.39963	0
HMG1	-0.12058	0.172851	0.399873	0

AL353751.	-0.16098	0.172898	0.399873	0
SPIDR	-0.14271	0.172918	0.399873	0
AC012313	0.498481	0.17293	0.399873	0
ZNF556	0.295417	0.173003	0.399904	0
SYNE2	-0.15498	0.173015	0.399904	0
MELTF-AS1	0.251468	0.173033	0.399904	0
LINC00337	0.239874	0.173092	0.399972	0
ZNF875	0.135024	0.173123	0.399973	0
GMEB1	-0.12694	0.173315	0.400349	0
VASH1	0.147684	0.173447	0.400583	0
AC138932	-0.14589	0.173489	0.40061	0
GFOD1	-0.25009	0.173551	0.400685	0
ASAP1	-0.12171	0.173624	0.400715	0
PSMD3	0.112549	0.173638	0.400715	0
UHRF2	-0.17201	0.173654	0.400715	0
USP13	-0.13977	0.173733	0.400799	0
PLAU	0.211169	0.173751	0.400799	0
MAPRE3	0.143793	0.173802	0.400849	0
DGUOK	0.117532	0.173986	0.401167	0
STK11	0.12566	0.174048	0.401167	0
YBX1P1	0.348343	0.174056	0.401167	0
DNAH10	0.180414	0.174061	0.401167	0
RFX7	-0.13592	0.174099	0.401186	0
TRMT2A	0.134153	0.174171	0.401219	0
HOXB2	0.125745	0.174173	0.401219	0
BCL9L	0.113599	0.174286	0.401348	0
DNAJC19	0.144469	0.174315	0.401348	0
MAPK1IP1	-0.13903	0.17432	0.401348	0
ABCC4	-0.14904	0.174485	0.401659	0
LINC00634	0.332377	0.174603	0.401861	0
ANP32A	-0.11833	0.174641	0.40188	0
TPM3	-0.11367	0.174692	0.401926	0
ZNF562	-0.14754	0.174732	0.401934	0
TBL1XR1	-0.13536	0.174769	0.401934	0
INTS3	-0.10737	0.174786	0.401934	0
CGN	-0.31394	0.174867	0.402051	0
GALNT16	0.12547	0.175028	0.402353	0
ADAMTS3	-0.18783	0.175133	0.402526	0
COL5A2	0.107332	0.175203	0.402617	0
NDUFB2	0.134465	0.17526	0.402677	0
ZNF232	0.155356	0.175378	0.402715	0
AL135905.	-0.36498	0.175379	0.402715	0
RHOD	0.145233	0.175412	0.402715	0
CNDP2	0.130479	0.175431	0.402715	0

SP100	-0.15901	0.175432	0.402715	0
CNPPD1	0.127669	0.175473	0.402715	0
GZMM	0.319782	0.175487	0.402715	0
ADSL	0.16176	0.175602	0.402907	0
PRR5L	0.151535	0.17569	0.402972	0
CIAO1	0.104867	0.17569	0.402972	0
PSD	0.306876	0.175752	0.402991	0
PNPLA2	0.139528	0.17579	0.402991	0
KIF28P	-0.38169	0.175794	0.402991	0
COG5	-0.16939	0.175819	0.402991	0
RAPGEF1	0.116237	0.175956	0.403235	0
RBKS	0.209806	0.176024	0.403302	0
AC027601	0.319945	0.176046	0.403302	0
EIF4EBP2	-0.11216	0.176078	0.403307	0
BAIAP2-DT	0.113326	0.176237	0.4034	0
FBXL5	-0.1636	0.176276	0.4034	0
AC055811	-0.2616	0.176279	0.4034	0
RPSAP58	0.247571	0.17628	0.4034	0
EIF2B3	-0.13547	0.176294	0.4034	0
CNPY4	0.149229	0.176303	0.4034	0
AC010973	-0.49262	0.17633	0.4034	0
TCOF1	-0.10481	0.176399	0.403488	0
NUTM1	-0.26676	0.176431	0.403492	0
MATK	0.24563	0.176487	0.40355	0
LOXL3	0.13752	0.17662	0.403786	0
BMPR1B-C	0.196613	0.176673	0.40382	0
MSH6	-0.12545	0.176696	0.40382	0
SSC4D	0.197037	0.176753	0.403882	0
BROX	-0.17187	0.176831	0.403991	0
NIPAL2	0.326921	0.176949	0.40419	0
FUS	-0.10411	0.177184	0.404528	0
MYBBP1A	0.119314	0.177224	0.404528	0
TRAM1	-0.15743	0.177226	0.404528	0
VILL	0.194205	0.177231	0.404528	0
HIVEP2	-0.17331	0.177248	0.404528	0
RO60	-0.15835	0.17729	0.404553	0
SREK1	-0.15344	0.177341	0.4046	0
AL138756	-0.32267	0.177408	0.404685	0
TPT1	0.108389	0.177539	0.404784	0
ZNF217	-0.12316	0.177542	0.404784	0
FAM104B	0.177093	0.177543	0.404784	0
NCOA1	-0.13101	0.177736	0.405155	0
MROH6	0.173466	0.177984	0.40561	0
PIK3IP1	0.159473	0.177996	0.40561	0

LINC0127C	0.167123	0.178086	0.405746	0
RPUSD1	0.147139	0.178262	0.405751	0
CYTOR	-0.15141	0.178264	0.405751	0
SLC8B1	0.153245	0.178287	0.405751	0
MROH2A	-0.28373	0.178336	0.405751	0
CSAD	-0.20168	0.178343	0.405751	0
DENND2C	-0.2019	0.178347	0.405751	0
AC092115	-0.37282	0.178351	0.405751	0
EPCAM-DT	0.374903	0.178378	0.405751	0
KHNYN	0.107	0.178405	0.405751	0
PAIP2	-0.14287	0.178421	0.405751	0
PRKAA1	-0.17168	0.17845	0.405751	0
DYNLT3	0.254893	0.178454	0.405751	0
TMEM132	0.123819	0.178486	0.405755	0
IMPA2	0.137228	0.178544	0.405802	0
H6PD	0.1176	0.178585	0.405802	0
NDUFS4	0.157676	0.178598	0.405802	0
ARL4A	-0.29102	0.178743	0.405998	0
SLMAP	-0.14538	0.178745	0.405998	0
SIAH2-AS1	-0.29303	0.17878	0.406007	0
ASXL1	-0.10612	0.178823	0.406036	0
PFN1	0.109622	0.178878	0.406093	0
AL596087	-0.37631	0.178921	0.406122	0
IFIT5	-0.16294	0.179111	0.406484	0
TMED8	-0.16839	0.179379	0.40684	0
NINL	-0.1315	0.179383	0.40684	0
AC231981	-0.38748	0.179442	0.40684	0
AL139384	-0.34112	0.179465	0.40684	0
HS2ST1	-0.19431	0.179497	0.40684	0
RAB11B-A	0.260627	0.179501	0.40684	0
TCEA3	-0.31841	0.179512	0.40684	0
PCYT1B	0.125363	0.179528	0.40684	0
MCM5	0.112873	0.179543	0.40684	0
STAU1	-0.11284	0.179609	0.40692	0
SCAMP3	0.107415	0.179658	0.406963	0
AL162231	0.167786	0.179732	0.407061	0
DDB1	0.112422	0.179815	0.407135	0
YRDC	-0.14112	0.179826	0.407135	0
BFSP1	0.360304	0.179866	0.407157	0
AC004980	-0.30501	0.17993	0.407181	0
RPS6	0.101303	0.179938	0.407181	0
TTBK2	-0.17105	0.180039	0.407338	0
AP3B2	0.35154	0.180086	0.407338	0
APBB3	-0.17249	0.180099	0.407338	0

AC010173	0.377383	0.180149	0.407382	0
AL451069	0.165948	0.180183	0.407391	0
STAM2	-0.15816	0.180245	0.407461	0
C8orf31	0.170597	0.180345	0.407606	0
TRIM47	0.142239	0.18037	0.407606	0
AAMDC	0.169787	0.180405	0.407616	0
DRAXIN	-0.32442	0.180458	0.407667	0
POLR2E	0.111118	0.180549	0.407803	0
DOCK6	0.142241	0.180669	0.407946	0
NMB	0.143629	0.180674	0.407946	0
FLRT2	-0.18345	0.180812	0.408123	0
IVD	0.110827	0.180884	0.408123	0
PRSS51	-0.17929	0.180913	0.408123	0
SLC9A3R1	0.115817	0.180924	0.408123	0
SETMAR	-0.21016	0.180947	0.408123	0
NDUF4F4	-0.18377	0.180957	0.408123	0
RNF19A	-0.17268	0.180966	0.408123	0
GZF1	-0.14374	0.181008	0.408126	0
ZBTB4	0.118642	0.181029	0.408126	0
IBA57	0.135322	0.181169	0.408373	0
SMTNL2	0.201682	0.181222	0.408424	0
NAP1L3	-0.27084	0.181448	0.408863	0
LINC00909	-0.21947	0.181593	0.409014	0
ZNF821	0.161614	0.181606	0.409014	0
LOXL4	0.248372	0.181607	0.409014	0
STRN3	-0.19043	0.181644	0.409029	0
NCLN	0.113358	0.1817	0.409087	0
BICDL1	-0.17052	0.1818	0.409206	0
SNORA70	-0.2432	0.181821	0.409206	0
GLA	0.124248	0.181872	0.409206	0
SBDS	-0.14448	0.181895	0.409206	0
CASK	-0.14401	0.181935	0.409206	0
NOTCH2	-0.10904	0.181957	0.409206	0
RELL2	0.155363	0.181994	0.409206	0
KDF1	0.270277	0.182038	0.409206	0
AC010618	0.324344	0.182065	0.409206	0
ADGRE1	-0.31168	0.182069	0.409206	0
NTS	0.169049	0.182091	0.409206	0
PTCH1	-0.11863	0.182123	0.40921	0
ESYT2	-0.11868	0.182301	0.409517	0
GMEB2	0.130755	0.182322	0.409517	0
CCDC124	0.114711	0.182398	0.409619	0
RAB5B	0.108246	0.182458	0.409685	0
FBXL6	-0.16763	0.182546	0.409714	0

NEURL4	0.128267	0.182548	0.409714	0
RUFY2	-0.21233	0.182592	0.409714	0
CCDC96	0.262751	0.182594	0.409714	0
AC090204	0.187159	0.182663	0.4098	0
LMLN	-0.20809	0.182741	0.409906	0
ELAVL1	-0.10863	0.182913	0.410185	0
L3MBTL3	-0.22092	0.182927	0.410185	0
SEC24C	0.106572	0.182972	0.410217	0
SIX4	-0.1501	0.183063	0.41031	0
PDK3	-0.15737	0.183075	0.41031	0
GHDC	0.143838	0.183156	0.410423	0
AC011444	0.321059	0.183281	0.410469	0
CHCHD2	0.115853	0.183296	0.410469	0
C2orf69	-0.23401	0.183308	0.410469	0
ABT1	0.129456	0.183316	0.410469	0
BEND7	-0.18156	0.18334	0.410469	0
PLA2G6	0.166067	0.183419	0.410469	0
WNT10B	0.220954	0.183422	0.410469	0
CDIPT	0.115267	0.183424	0.410469	0
VPS37D	0.246388	0.183474	0.410469	0
CDR2	-0.16402	0.183504	0.410469	0
MYO15B	-0.17495	0.18352	0.410469	0
BTN3A1	0.132925	0.183546	0.410469	0
HERPUD2	-0.16661	0.183607	0.410526	0
CYP1B1-AS	-0.17255	0.183633	0.410526	0
ELL2	-0.23928	0.183706	0.41056	0
KIF9-AS1	0.245809	0.183738	0.41056	0
GGA1	0.131325	0.18374	0.41056	0
PRR36	0.271286	0.183957	0.410815	0
RNF157	0.109496	0.183969	0.410815	0
DHX40	-0.12953	0.183987	0.410815	0
GDE1	0.104446	0.183994	0.410815	0
LPGAT1	-0.13745	0.184009	0.410815	0
OSER1	-0.13448	0.184126	0.411007	0
SOD2	-0.12789	0.184175	0.411049	0
PTN	0.337205	0.184248	0.411121	0
JUNB	0.130179	0.184269	0.411121	0
PEX7	-0.23451	0.18435	0.411233	0
TUBGCP2	0.118478	0.184658	0.411852	0
AUNIP	-0.1757	0.184766	0.412024	0
GPATCH1	-0.16152	0.184855	0.412101	0
IFT74	0.212013	0.184863	0.412101	0
RARA	0.135154	0.185006	0.412287	0
SLC5A5	0.217336	0.185019	0.412287	0

NUP50-DT	0.174501	0.185039	0.412287	0
TTYH3	0.121892	0.18517	0.41251	0
EPC2	-0.1561	0.185261	0.412644	0
ADAP2	0.147732	0.185441	0.412975	0
AL137060.	-0.44081	0.185509	0.413058	0
ELOF1	0.11637	0.185673	0.413354	0
AC025682.	-0.41287	0.185729	0.413409	0
ACOT1	0.228369	0.185762	0.413414	0
DIPK1A	-0.38227	0.185836	0.413511	0
BCCIP	-0.13212	0.185895	0.413541	0
KLC1	-0.1619	0.185912	0.413541	0
GLRX5	-0.14272	0.185949	0.413545	0
NUAK2	-0.26751	0.185976	0.413545	0
MRPL12	0.12711	0.186114	0.413783	0
CASTOR3	0.213939	0.186223	0.41389	0
RNASEH1-	0.129914	0.186224	0.41389	0
OGG1	0.130302	0.186314	0.413961	0
GAPDH	0.103799	0.186318	0.413961	0
DBNDD1	0.120397	0.186393	0.414059	0
C3	0.16477	0.186655	0.414449	0
EIF6	0.128426	0.186666	0.414449	0
ZNF746	0.132031	0.186684	0.414449	0
NRAV	0.115694	0.186742	0.414449	0
FZD2	0.124636	0.186747	0.414449	0
TUBB	-0.09986	0.186755	0.414449	0
ATP6V1H	-0.13419	0.186834	0.414555	0
GPR137	0.131783	0.1869	0.414611	0
KLRG2	-0.44562	0.186922	0.414611	0
UTP14A	0.120458	0.187038	0.41476	0
RPS28	0.098913	0.187058	0.41476	0
PTPRH	0.158912	0.187082	0.41476	0
KIF13A	-0.14022	0.187207	0.414969	0
PSMB4	0.103464	0.187278	0.415056	0
TIGAR	-0.21275	0.187373	0.415147	0
PLGRKT	-0.16561	0.187382	0.415147	0
MAP2K6	-0.13762	0.187504	0.41533	0
HIPK3	-0.13533	0.187526	0.41533	0
DHX16	0.109938	0.187624	0.415478	0
ARID1B	-0.12763	0.187781	0.415731	0
ZC3H13	-0.13154	0.187832	0.415731	0
FOXN4	0.371139	0.187848	0.415731	0
TRIAP1	-0.13576	0.187863	0.415731	0
PAQR6	-0.20373	0.187921	0.415737	0
ZBTB34	-0.16026	0.187967	0.415737	0

GPD1L	-0.16803	0.187989	0.415737	0
COPS3	-0.12238	0.187998	0.415737	0
DOK3	-0.30858	0.188022	0.415737	0
TOMM40L	0.126718	0.188107	0.415793	0
KDM5C	0.107386	0.188109	0.415793	0
SIN3A	-0.11771	0.188219	0.415966	0
LIN7C	-0.17109	0.188287	0.416049	0
UXS1	-0.12389	0.188364	0.416098	0
TAP2	-0.14121	0.188385	0.416098	0
CCDC125	-0.19733	0.188403	0.416098	0
FYTTD1	-0.14421	0.188513	0.416231	0
ANKRD23	-0.20262	0.188526	0.416231	0
RBMX2	0.13017	0.188589	0.416301	0
ADAM23	-0.16202	0.188653	0.416374	0
CCT6A	-0.13202	0.18875	0.416488	0
HES6	0.136607	0.188798	0.416488	0
ARID5B	0.217464	0.188837	0.416488	0
ZNF33B	-0.1787	0.188852	0.416488	0
IL11RA	0.14312	0.18887	0.416488	0
MFHAS1	-0.13094	0.188904	0.416488	0
ERMAP	-0.14191	0.18893	0.416488	0
LRRC75A	-0.31021	0.188967	0.416488	0
ITGAV	-0.11377	0.188986	0.416488	0
NFE2L3	-0.20848	0.189034	0.416506	0
CUL2	-0.18132	0.189066	0.416506	0
COG4	0.117461	0.189122	0.416506	0
MT-CYB	0.101461	0.18916	0.416506	0
C11orf49	0.130634	0.189173	0.416506	0
PPIL2	0.118022	0.189182	0.416506	0
ATP5MC1	0.103589	0.189253	0.416594	0
AC007292	-0.26399	0.18932	0.416672	0
APRT	0.11452	0.189533	0.417073	0
EXOSC6	-0.13172	0.189655	0.41718	0
GPX8	-0.14478	0.189671	0.41718	0
CEP85	-0.115	0.189701	0.41718	0
B4GALT6	-0.26427	0.189717	0.41718	0
SHQ1	-0.14981	0.189742	0.41718	0
HSF4	-0.21523	0.18977	0.41718	0
PARP1	-0.10147	0.189904	0.417407	0
PELP1	0.103725	0.190101	0.417679	0
SNRNP40	0.103362	0.190114	0.417679	0
SMARCA1	-0.12451	0.190122	0.417679	0
SEC24B-AS	-0.29298	0.190175	0.417727	0
TAF15	-0.1119	0.190224	0.417741	0

FCF1	-0.16567	0.190258	0.417741	0
LNCAROD	-0.30811	0.190275	0.417741	0
CCDC97	0.118917	0.190428	0.417969	0
NAB1	-0.1301	0.190442	0.417969	0
AP005329	-0.26473	0.190517	0.418065	0
ZEB1	-0.23777	0.190579	0.418094	0
RPL41P2	0.303326	0.190593	0.418094	0
B3GALT1	-0.29728	0.190628	0.418095	0
LAP3	-0.1319	0.190677	0.418095	0
AC112493	0.470322	0.190687	0.418095	0
USP16	-0.17025	0.190897	0.418454	0
PITPNM2	0.133621	0.190914	0.418454	0
PTPN12	-0.19471	0.191027	0.418632	0
LTB4R	-0.16555	0.191159	0.418854	0
SMG5	0.105596	0.1912	0.418874	0
CENPW	-0.19973	0.191393	0.419211	0
GABPB1	-0.16894	0.191417	0.419211	0
STC2	0.210707	0.191454	0.419225	0
ARL4D	0.202866	0.191572	0.41938	0
INSIG2	-0.19265	0.191588	0.41938	0
FAM118A	-0.12755	0.191679	0.41951	0
RGS5	-0.34185	0.191792	0.419689	0
PDSS1	-0.17805	0.191841	0.419705	0
STXBP5	-0.11378	0.191893	0.419705	0
NIIPB5	-0.31624	0.191894	0.419705	0
WIPF1	-0.12782	0.191964	0.419731	0
PCDHB7	-0.34182	0.19197	0.419731	0
ARFGAP2	0.121633	0.192	0.419731	0
POMT1	0.121753	0.192082	0.419804	0
CEP72	-0.15503	0.192126	0.419804	0
MED13L	-0.11215	0.192128	0.419804	0
PPM1A	-0.16078	0.192163	0.419811	0
RNF25	0.137179	0.192301	0.420045	0
VPS37A	-0.15434	0.192346	0.420072	0
GPRC5C	0.226348	0.192384	0.420088	0
UBE2J2	0.110944	0.192451	0.420166	0
CUL3	-0.13439	0.1926	0.420398	0
VPS8	-0.15305	0.192673	0.420398	0
AP3M2	-0.14104	0.192676	0.420398	0
DUT	-0.12169	0.192684	0.420398	0
FBXO31	0.122186	0.192995	0.420827	0
MRPL21	0.117789	0.193007	0.420827	0
BTN2A1	-0.12209	0.193058	0.420827	0
AC018521	0.224692	0.193076	0.420827	0

TMEM259	0.11199	0.193084	0.420827	0
NT5DC1	-0.18706	0.193102	0.420827	0
AC097376	-0.34478	0.193111	0.420827	0
METTL27	0.216612	0.193166	0.420827	0
ENO2	0.129514	0.193193	0.420827	0
TTC39A	0.107254	0.193201	0.420827	0
EFNA3	0.191283	0.19326	0.420827	0
SF3B4	0.10437	0.193266	0.420827	0
GPM6A	-0.32502	0.193309	0.420827	0
AAK1	-0.12975	0.193322	0.420827	0
PXK	-0.17962	0.193526	0.421141	0
C20orf96	0.126345	0.19353	0.421141	0
KDM1A	-0.10039	0.193564	0.421147	0
SLC25A13	-0.11606	0.193615	0.421189	0
COL17A1	0.193128	0.193691	0.421287	0
HELZ2	0.142755	0.193907	0.421531	0
SSU72	0.103164	0.193921	0.421531	0
DNAJC22	-0.21913	0.193922	0.421531	0
SPC25	-0.17888	0.19393	0.421531	0
TEF	0.135037	0.193962	0.421532	0
CNN3	-0.12765	0.19402	0.421589	0
SSH2	-0.13293	0.194052	0.421591	0
SLC52A2	0.13791	0.194148	0.421705	0
LRFN3	0.12992	0.194168	0.421705	0
CCT7	0.097984	0.194221	0.421751	0
SETX	-0.14043	0.19427	0.421789	0
PRADC1	0.128168	0.194319	0.421826	0
TMEM88B	-0.31969	0.194448	0.421899	0
GET4	0.125861	0.194463	0.421899	0
DUSP5P1	0.272011	0.194463	0.421899	0
ALDH1L2	-0.18081	0.194479	0.421899	0
UBR7	-0.1565	0.194577	0.422042	0
CIAO2B	0.122604	0.194624	0.422075	0
MTCL1	-0.19949	0.194691	0.422097	0
RAD51	-0.12887	0.194708	0.422097	0
CTDSPL	-0.11043	0.194775	0.422097	0
SLC15A4	-0.14706	0.194782	0.422097	0
GALNT2	0.106086	0.194792	0.422097	0
TRMT10B	-0.19935	0.194837	0.422126	0
HDAC7	0.10886	0.194898	0.422157	0
SRP72	-0.12634	0.194915	0.422157	0
AGGF1	-0.23641	0.195047	0.422363	0
ARRDC1-A	0.14142	0.195073	0.422363	0
PIM3	0.13683	0.195132	0.422421	0

AEN	0.114357	0.195185	0.422468	0
GRK4	-0.236	0.195236	0.422478	0
INIP	-0.16144	0.195253	0.422478	0
UBE2D3	-0.10966	0.195298	0.422507	0
NAT9	0.118279	0.195348	0.422546	0
AC092295	0.312028	0.195386	0.422561	0
PARN	-0.14638	0.195421	0.422566	0
KDM4B	0.110352	0.19549	0.422649	0
LCLAT1	-0.18666	0.19554	0.422687	0
KRBOX4	-0.21489	0.195588	0.422722	0
MCAM	0.115841	0.195655	0.422798	0
ARPC1A	0.11864	0.195713	0.422828	0
AMHR2	0.30973	0.195732	0.422828	0
PHACTR2	-0.16029	0.195772	0.422845	0
RAB29	-0.12638	0.195913	0.423082	0
AL031985	-0.29519	0.195979	0.423122	0
WDR91	-0.14824	0.195995	0.423122	0
EEF1A1P4	0.371173	0.196072	0.423156	0
ITPR1	-0.14733	0.196074	0.423156	0
KBTBD3	-0.28353	0.196163	0.423232	0
FAM133B	-0.22864	0.196199	0.423232	0
INAFM1	-0.18363	0.196205	0.423232	0
PBLD	-0.30617	0.196246	0.423253	0
NAPRT	-0.21122	0.196473	0.423441	0
PLEKHM1F	-0.18548	0.196478	0.423441	0
STX18-AS1	-0.16234	0.196486	0.423441	0
TTC24	0.284074	0.196493	0.423441	0
ACTR6	-0.19874	0.196536	0.423441	0
TSKS	0.22129	0.196543	0.423441	0
ZWINT	-0.11085	0.196569	0.423441	0
ESYT1	0.103066	0.196588	0.423441	0
COMTD1	0.164287	0.196623	0.42345	0
BOLA3-AS1	-0.12846	0.196804	0.423713	0
PRRT4	0.323309	0.196809	0.423713	0
CYP2S1	0.180775	0.196861	0.423757	0
ZBTB11	-0.18978	0.196926	0.423827	0
CCNF	-0.10945	0.197139	0.424219	0
CA5B	0.272403	0.197191	0.424262	0
GTPBP1	0.11175	0.19741	0.424663	0
ARRB1	0.158479	0.197497	0.424783	0
CFAP298	-0.1443	0.197543	0.424814	0
AC012063	-0.22217	0.197753	0.425065	0
ERBIN	-0.1432	0.197758	0.425065	0
DCLRE1A	-0.17048	0.197771	0.425065	0

FAM102A	0.116366	0.197788	0.425065	0
PELI1	-0.20213	0.197893	0.425223	0
ZBTB25	-0.17659	0.198072	0.42544	0
CDC42EP4	0.124992	0.198074	0.42544	0
C15orf39	0.131696	0.198119	0.42544	0
CYB561A3	0.117191	0.198122	0.42544	0
SUSD5	0.338771	0.198285	0.425721	0
PRKCA	-0.12662	0.19843	0.425965	0
RGL3	0.137969	0.198557	0.42614	0
SPTSSA	-0.16315	0.198576	0.42614	0
TBC1D1	-0.12907	0.198758	0.426462	0
WDR77	-0.09987	0.198791	0.426465	0
MOK	0.13149	0.199021	0.426855	0
ESCO1	-0.24696	0.199037	0.426855	0
CEP76	-0.18801	0.199099	0.426919	0
PRKAR2A	-0.10791	0.199267	0.427212	0
GNA11	0.10787	0.199339	0.427298	0
PIK3C2B	0.110473	0.199462	0.42744	0
PGGT1B	-0.19658	0.199594	0.42744	0
HMGA1	0.106409	0.199623	0.42744	0
URB2	-0.11894	0.199625	0.42744	0
ZNRD1ASP	-0.27691	0.19965	0.42744	0
ATP23	-0.22494	0.199677	0.42744	0
COMMD6	0.12375	0.199687	0.42744	0
PHF1	0.11832	0.199734	0.42744	0
CCSER2	-0.20808	0.199752	0.42744	0
CAPN2	-0.11061	0.199757	0.42744	0
UCHL1	0.100262	0.199759	0.42744	0
STYX	-0.18142	0.199798	0.427455	0
MYMX	0.300868	0.199831	0.427459	0
RPL4P4	0.23057	0.199877	0.427489	0
KLHL2	-0.17868	0.200008	0.427597	0
AC061992	0.280401	0.200011	0.427597	0
LINC02482	0.282393	0.200024	0.427597	0
CADM4	0.154648	0.200223	0.427953	0
NR4A3	0.313071	0.200266	0.427976	0
TIRAP	-0.14156	0.200512	0.428434	0
SLCO4A1	-0.15161	0.200602	0.428557	0
PACS2	0.131025	0.200713	0.42866	0
SCAF4	-0.12419	0.200714	0.42866	0
SLC5A6	0.10066	0.200794	0.428706	0
GSTK1	0.107434	0.200838	0.428706	0
LRRK2	-0.28718	0.200847	0.428706	0
BCAN	0.161927	0.200866	0.428706	0

RNF167	0.108151	0.200897	0.428706	0
TMEM240	-0.34053	0.200966	0.428786	0
NRSN2-AS	-0.16713	0.201122	0.428995	0
FGD6	-0.20321	0.201132	0.428995	0
DPYD	-0.15886	0.201161	0.428995	0
SDF2	0.125988	0.201256	0.42913	0
CSTB	0.098907	0.20137	0.429157	0
PAN2	-0.14414	0.201425	0.429157	0
LRIG3	-0.18379	0.201447	0.429157	0
ENDOG	0.127547	0.201477	0.429157	0
TMSB4XP6	0.29152	0.201512	0.429157	0
SCAND2P	-0.18029	0.201519	0.429157	0
FAM174C	0.133975	0.20152	0.429157	0
TMEM119	0.157746	0.201527	0.429157	0
DAP	0.110213	0.20174	0.429313	0
ACTR1A	0.100748	0.201772	0.429313	0
GABRA5	-0.17901	0.201777	0.429313	0
LIN52	-0.17425	0.20182	0.429313	0
NRDC	-0.12971	0.201836	0.429313	0
FAM160B1	-0.15002	0.201898	0.429313	0
NFE2L1	0.101302	0.201918	0.429313	0
BBS9	-0.19748	0.201949	0.429313	0
MAPKAPK	0.110647	0.201976	0.429313	0
SGCE	-0.13984	0.201982	0.429313	0
PRRT3	0.140905	0.201989	0.429313	0
NUDT7	-0.29977	0.202012	0.429313	0
ZNF227	-0.16963	0.202045	0.429313	0
XPO5	-0.10653	0.20205	0.429313	0
ACOT2	0.1488	0.202122	0.429313	0
ZRANB1	-0.14606	0.202136	0.429313	0
PRPF4	-0.11868	0.202147	0.429313	0
ALKBH5	0.101529	0.20219	0.429337	0
ORC3	-0.1573	0.20229	0.42948	0
ZNF107	-0.22263	0.202357	0.429554	0
ATOX1	0.119938	0.202504	0.429726	0
AC074135	0.357782	0.202505	0.429726	0
SNX2	-0.14598	0.202535	0.429726	0
GRHL3	-0.29442	0.202585	0.429763	0
RNLS	-0.25977	0.20262	0.429769	0
PNMA6A	0.35411	0.202699	0.42984	0
PPP1R21	-0.13413	0.202723	0.42984	0
AC104561	-0.35577	0.20275	0.42984	0
AP1B1	0.106582	0.202803	0.429885	0
MNAT1	0.161353	0.202874	0.429942	0

NXN	0.105627	0.202905	0.429942	0
MED23	-0.17061	0.202927	0.429942	0
CTU2	0.147363	0.202984	0.429994	0
TOP3B	0.129043	0.20305	0.430057	0
LRRC49	0.259006	0.203122	0.430057	0
CHST11	-0.17676	0.203124	0.430057	0
FNIP2	-0.14379	0.203159	0.430057	0
KIF3B	-0.12691	0.203175	0.430057	0
RPL23AP7	0.350003	0.203284	0.430219	0
LAMP1	0.099324	0.203323	0.430234	0
TYW1	-0.14685	0.203519	0.430392	0
PSMF1	0.100786	0.203534	0.430392	0
NID1	0.104988	0.203542	0.430392	0
OSGIN2	-0.17546	0.203572	0.430392	0
C1orf167	0.315715	0.203583	0.430392	0
ERCC8	-0.17063	0.203618	0.430392	0
TBC1D10A	0.162384	0.203624	0.430392	0
E4F1	0.123903	0.20368	0.430442	0
THOP1	0.110487	0.203784	0.430595	0
SEC31B	-0.1636	0.203857	0.430681	0
SFT2D1	-0.1348	0.203959	0.430828	0
TYK2	0.107034	0.204108	0.430996	0
AC016586	-0.35297	0.204109	0.430996	0
MBNL1	-0.18059	0.204158	0.430996	0
HECTD2	-0.20803	0.204171	0.430996	0
SEMA4D	-0.14375	0.204224	0.430996	0
TMEM79	-0.15318	0.204232	0.430996	0
GPR107	-0.10355	0.204345	0.431166	0
TP53INP2	0.130112	0.20439	0.431191	0
AGAP1	-0.10171	0.20477	0.431925	0
RPL39	-0.16983	0.20513	0.432617	0
STEAP3	0.111498	0.205245	0.432736	0
TRAPPC3	0.106089	0.205269	0.432736	0
RECQL5	0.124751	0.205284	0.432736	0
TMEM184	0.109587	0.205461	0.433039	0
LSM7	0.101587	0.205669	0.43341	0
TRAPPC10	-0.1405	0.205722	0.433454	0
C17orf82	0.162514	0.205876	0.433708	0
EPB41L1	0.111006	0.205949	0.43374	0
IL13RA1	-0.12962	0.205956	0.43374	0
FBXL19	0.111649	0.206085	0.433888	0
MTMR12	-0.13718	0.206091	0.433888	0
LHFPL6	-0.18257	0.206165	0.433975	0
P4HA2	0.106322	0.206269	0.434126	0

NREP	-0.11062	0.206352	0.434217	0
RPS6KA5	0.280698	0.206377	0.434217	0
COASY	0.112759	0.206625	0.434561	0
ZNF771	0.131117	0.206633	0.434561	0
RCBTB1	-0.12631	0.206639	0.434561	0
SDHB	0.105308	0.206725	0.434598	0
AP001267	-0.39726	0.206752	0.434598	0
AC099343	-0.2875	0.206754	0.434598	0
POT1	-0.21068	0.206976	0.434995	0
PRKAR2B	-0.16266	0.207135	0.435151	0
PRMT2	0.122923	0.207151	0.435151	0
TRPV3	-0.2026	0.207165	0.435151	0
AC046134	0.199937	0.20718	0.435151	0
SLC22A17	0.144894	0.20723	0.435185	0
MRPL10	0.103168	0.207313	0.435259	0
EPB41L4B	-0.17335	0.20733	0.435259	0
AURKB	-0.10729	0.207383	0.435302	0
AC245052	-0.37985	0.207475	0.435407	0
AC004453	0.282493	0.207498	0.435407	0
GLRX3	-0.1222	0.207557	0.435437	0
C1S	-0.12126	0.207578	0.435437	0
TOMM20	-0.1166	0.207612	0.435439	0
TRMT1L	-0.15461	0.207727	0.435568	0
GTF3C1	0.099333	0.20779	0.435568	0
TBCE	-0.12687	0.207792	0.435568	0
GAL3ST4	0.188694	0.207814	0.435568	0
GSDMB	0.192533	0.20789	0.435568	0
TRUB1	-0.15721	0.207902	0.435568	0
NOL4	-0.21395	0.207949	0.435568	0
DHTKD1	-0.11545	0.207956	0.435568	0
C7orf31	-0.24941	0.207967	0.435568	0
FOSL1	0.153043	0.208047	0.435594	0
EDC4	0.108988	0.208071	0.435594	0
AC124016	-0.34493	0.208078	0.435594	0
PLEKHA1	-0.17085	0.208304	0.435965	0
SMIM10L2	0.221624	0.20836	0.435965	0
ZNF500	0.140172	0.208373	0.435965	0
FPGT	-0.238	0.208397	0.435965	0
PTPDC1	-0.16286	0.208418	0.435965	0
ZNF91	-0.20257	0.208455	0.435966	0
TOM1L2	0.121516	0.208484	0.435966	0
FDXACB1	-0.25772	0.208565	0.435997	0
CHMP4B	0.105318	0.208568	0.435997	0
LUM	0.172583	0.208597	0.435997	0

DYNLRB1	0.106653	0.208641	0.435997	0
PLEKHG4	0.163944	0.208663	0.435997	0
TMEM41B	-0.14851	0.208742	0.436016	0
RCHY1	-0.16655	0.208761	0.436016	0
CSF3R	0.283066	0.208779	0.436016	0
CCDC189	-0.22949	0.208854	0.436016	0
SPCS3	-0.15312	0.208901	0.436016	0
JAKMIP3	-0.15103	0.208911	0.436016	0
ZCCHC4	-0.19153	0.208911	0.436016	0
INKA2	0.119319	0.208945	0.436016	0
CDK7	-0.15262	0.208992	0.436016	0
GPCPD1	-0.18089	0.208999	0.436016	0
MAPT	0.13268	0.209051	0.436058	0
UNKL	-0.1271	0.20927	0.436446	0
KMT2E	-0.12336	0.209323	0.436489	0
MCOLN2	-0.1975	0.209442	0.43661	0
AC135050	-0.21868	0.209472	0.43661	0
PGBD4	-0.22635	0.20948	0.43661	0
C19orf48	0.113261	0.209651	0.436899	0
KRIT1	-0.22216	0.209718	0.436944	0
TBC1D4	-0.1319	0.209738	0.436944	0
AC074117	-0.18596	0.209889	0.43719	0
CYBC1	0.10083	0.210234	0.437681	0
AP003390	0.253232	0.210249	0.437681	0
ZNF699	-0.18976	0.210267	0.437681	0
LINC00173	-0.32884	0.210287	0.437681	0
UTP4	-0.1128	0.210289	0.437681	0
TRIM65	0.108742	0.210339	0.437716	0
SENP2	-0.13963	0.210543	0.438073	0
VIPAS39	0.137795	0.210617	0.438152	0
NDFIP2	-0.13446	0.210647	0.438152	0
TAF5L	-0.11484	0.210713	0.43822	0
MARVELD	0.106582	0.210829	0.438342	0
MRPL51	0.110148	0.210837	0.438342	0
UBAC2-AS	-0.28399	0.210892	0.438388	0
PNP	0.100664	0.210967	0.438476	0
ACYP1	-0.26133	0.211014	0.438505	0
RXRA	0.109283	0.211079	0.438571	0
ZNF597	-0.19731	0.211178	0.438705	0
SMARCC1	-0.10762	0.211209	0.438705	0
APOBEC3C	0.100861	0.211242	0.438705	0
JAGN1	0.111146	0.211403	0.438936	0
LEPROT	-0.14995	0.211474	0.438936	0
GDI1	0.101339	0.211508	0.438936	0

FCSK	0.139592	0.211516	0.438936	0
CCDC6	-0.12611	0.211561	0.438936	0
TMEM169	-0.20192	0.211578	0.438936	0
CHST7	0.155978	0.211584	0.438936	0
LEMD3	-0.11241	0.211795	0.439307	0
MAPK6	-0.15859	0.21183	0.439308	0
ULK1	0.118701	0.211862	0.439308	0
C1orf74	0.193508	0.211958	0.439439	0
QKI	-0.11381	0.212145	0.43976	0
AL589765.	0.376994	0.212184	0.439771	0
HERC6	-0.23544	0.212301	0.439946	0
GSK3A	0.110981	0.212347	0.439972	0
TMEM41A	-0.133	0.212427	0.440069	0
PIGBOS1	-0.2191	0.212565	0.440288	0
SNIP1	0.13933	0.212668	0.440415	0
G3BP1	-0.11343	0.212693	0.440415	0
SAR1A	-0.11553	0.212838	0.440648	0
SNX4	0.147991	0.213001	0.440882	0
AC083798.	-0.26065	0.213025	0.440882	0
PLPP2	0.180333	0.21305	0.440882	0
PTPRN2	-0.23601	0.213119	0.440955	0
IFT43	0.157129	0.213216	0.441088	0
RPA1	-0.10436	0.213299	0.441191	0
PTPA	0.113779	0.213352	0.441232	0
SEPTIN6	0.116828	0.213404	0.441241	0
OSGEPL1	-0.17515	0.213423	0.441241	0
LINC00294	-0.15184	0.213489	0.441309	0
TRIM26	0.106049	0.213617	0.441505	0
DRG2	0.114086	0.213679	0.441567	0
ACBD7	-0.18255	0.213724	0.441569	0
USP54	-0.13903	0.21379	0.441569	0
PC	0.130357	0.213812	0.441569	0
OSBPL11	-0.16689	0.213813	0.441569	0
BLZF1	-0.1718	0.213848	0.441572	0
RAB14	-0.11341	0.213922	0.441657	0
ZNF850	-0.26723	0.214009	0.441716	0
ATP2A3	0.14119	0.214017	0.441716	0
ELP4	-0.14571	0.214216	0.442044	0
KIFAP3	-0.12363	0.214268	0.442044	0
USP40	-0.12202	0.214377	0.442044	0
DNAJC14	0.120984	0.214384	0.442044	0
B3GNT2	-0.17158	0.214397	0.442044	0
AL161909.	0.346782	0.214407	0.442044	0
NFATC2IP	-0.11532	0.214435	0.442044	0

PRORP	-0.20511	0.214441	0.442044	0
ARHGEF25	0.122594	0.214493	0.442077	0
LYPD5	0.334999	0.214559	0.442077	0
UMAD1	-0.20518	0.214593	0.442077	0
TMEM147	0.10974	0.21461	0.442077	0
PCDHB3	-0.35191	0.214623	0.442077	0
PSMC1	-0.14261	0.214687	0.44214	0
AC007406	-0.26237	0.214728	0.442156	0
RPS2P48	0.358293	0.214996	0.442553	0
CRELD1	0.143487	0.215024	0.442553	0
PUS1	0.11419	0.215025	0.442553	0
C1QTNF4	-0.44393	0.215088	0.442553	0
NIPBL	-0.16765	0.215106	0.442553	0
CD5	0.367114	0.215119	0.442553	0
PNRC1	-0.1192	0.215178	0.442605	0
MARS2	-0.16627	0.215395	0.442983	0
PPT2	0.160375	0.215434	0.442994	0
SUPT5H	0.104199	0.215515	0.443093	0
MAP3K1	-0.28911	0.215554	0.443093	0
AC011498	-0.32564	0.215581	0.443093	0
SOWAHD	0.305594	0.215737	0.443263	0
FAHD2B	0.141787	0.215743	0.443263	0
MTHFD1L	-0.11429	0.215764	0.443263	0
EPN2	-0.107	0.215844	0.44336	0
RBMX	-0.10648	0.215878	0.443361	0
C5orf22	-0.1884	0.216005	0.443472	0
TNFRSF12	0.196447	0.216022	0.443472	0
PRKCZ-AS1	0.244359	0.216048	0.443472	0
CACUL1	-0.12549	0.216065	0.443472	0
TTC19	-0.14332	0.216111	0.443498	0
ABC8	0.119564	0.216184	0.443562	0
PDE4B	-0.21061	0.216209	0.443562	0
AC009506	-0.24221	0.216252	0.443583	0
YBEY	0.12355	0.216436	0.443842	0
NSF	-0.12117	0.216456	0.443842	0
RPS6KA6	-0.21018	0.216499	0.443842	0
CANT1	0.107631	0.216512	0.443842	0
MAP7D1	0.111168	0.216688	0.444103	0
CTTN	-0.1066	0.216716	0.444103	0
RGS10	0.105578	0.21674	0.444103	0
STAG3	-0.33806	0.216798	0.444103	0
TDG	-0.15385	0.216805	0.444103	0
VASH2	-0.14767	0.216954	0.44434	0
LINC01011	-0.19013	0.217219	0.444814	0

PRKAB1	0.115351	0.217272	0.444853	0
CKMT1A	0.153569	0.217369	0.444985	0
TAS1R3	0.235711	0.21756	0.445307	0
ZBTB1	-0.14333	0.217629	0.44538	0
MAST1	0.124649	0.217803	0.44565	0
MIF-AS1	-0.43389	0.217828	0.44565	0
EPC1	-0.16717	0.217915	0.445759	0
AC007637	0.277705	0.218018	0.445851	0
SLC25A28	0.133336	0.218027	0.445851	0
ATP2A1-AS1	-0.19352	0.21806	0.445851	0
ARHGAP35	-0.10218	0.218326	0.446286	0
GPR153	0.132324	0.218378	0.446286	0
CEBPA	0.147176	0.21843	0.446286	0
OSBPL10	-0.16345	0.218437	0.446286	0
MRPL20-A	0.129004	0.21844	0.446286	0
NUP88	-0.124	0.218516	0.446373	0
KIAA0319L	0.101538	0.218651	0.44658	0
VEZT	-0.14019	0.218845	0.446856	0
AGAP2	0.163977	0.218853	0.446856	0
RPS4X	0.092258	0.218926	0.446874	0
SOS1	-0.12653	0.21894	0.446874	0
USO1	-0.12782	0.218963	0.446874	0
TBX2-AS1	0.116825	0.219013	0.446909	0
AC233723	0.313429	0.219117	0.447052	0
NANP	-0.13845	0.219168	0.447088	0
DHRS13	0.129756	0.219239	0.447129	0
SRM	0.103149	0.219268	0.447129	0
TSPAN14	0.127316	0.219298	0.447129	0
CHD6	-0.1239	0.219322	0.447129	0
RAB11A	-0.10728	0.219526	0.447435	0
HES2	0.311472	0.219539	0.447435	0
EXD3	0.150063	0.219619	0.447528	0
RNF207	-0.16217	0.219742	0.447688	0
C9orf16	0.102158	0.219764	0.447688	0
ANO7	-0.19123	0.219858	0.44781	0
CASP3	-0.14145	0.220016	0.447956	0
POLE4	0.127881	0.220019	0.447956	0
EXOSC5	0.128817	0.22003	0.447956	0
HMG20A	-0.11621	0.220086	0.44797	0
PARP4	-0.10874	0.220118	0.44797	0
RNASEH2C	0.1142	0.220178	0.44797	0
SCP2	-0.12961	0.220207	0.44797	0
ANXA5	0.094167	0.220226	0.44797	0
SPHK1	0.116243	0.220252	0.44797	0

TRIM54	0.302038	0.220272	0.44797	0
S100A2	0.179328	0.220308	0.447975	0
MRPL4	0.105872	0.220356	0.448004	0
NUTM2B- A	-0.15974	0.22056	0.44835	0
PAPSS1	-0.10721	0.220672	0.44848	0
ASAH2B	-0.20235	0.220691	0.44848	0
CCND1	-0.09902	0.220776	0.448583	0
CXADR	-0.17595	0.220852	0.448647	0
SC5D	-0.1292	0.220889	0.448647	0
MIS18BP1	-0.19307	0.220951	0.448647	0
HIVEP3	-0.1895	0.220966	0.448647	0
APOO	-0.14026	0.220975	0.448647	0
DLGAP1-A1	0.177115	0.22101	0.44865	0
CACYBP	-0.11365	0.221122	0.448783	0
MGAT3	0.129118	0.221143	0.448783	0
TMEM175	0.154976	0.221424	0.449249	0
AC012313	-0.31197	0.221441	0.449249	0
SMIM13	-0.15324	0.221526	0.449354	0
NSA2	0.120615	0.221708	0.449596	0
OSBPL9	-0.12306	0.221713	0.449596	0
ZFP28	-0.18099	0.22175	0.449604	0
VPS53	-0.11097	0.221891	0.44982	0
NFU1	0.124234	0.221947	0.449867	0
BMPR2	-0.12974	0.222026	0.449908	0
FBXO8	-0.13943	0.222059	0.449908	0
GSTA4	-0.11754	0.22209	0.449908	0
EZR	0.093915	0.222103	0.449908	0
SLC35C1	0.123678	0.222226	0.450089	0
CRKL	-0.09412	0.222279	0.450128	0
PKD1P6	-0.24859	0.222453	0.450413	0
IFITM5	0.316297	0.222567	0.450575	0
UBXN2A	-0.12037	0.222656	0.450687	0
SP7	-0.25514	0.222764	0.450814	0
SART1	0.101859	0.222787	0.450814	0
TMEM99	0.20015	0.222831	0.450836	0
TMEM98	0.102857	0.22297	0.450984	0
AC138393	-0.32116	0.222972	0.450984	0
DLEU2	0.265104	0.223087	0.451149	0
SCLY	0.119981	0.223172	0.451252	0
DPY19L4	0.144435	0.223287	0.451416	0
SLC38A4	-0.17545	0.223346	0.45145	0
ITGAE	-0.1517	0.223372	0.45145	0
TST	0.162288	0.223447	0.451534	0
SINHCAF	-0.12189	0.223502	0.451576	0

MTURN	-0.14219	0.223644	0.451794	0
GRK2	0.104327	0.223794	0.451991	0
PPP6R1	0.105574	0.223809	0.451991	0
MAP3K4	-0.13681	0.223865	0.452037	0
PLEKHJ1	0.10869	0.223949	0.452072	0
PTCD1	0.123294	0.223951	0.452072	0
KLHL30	0.148093	0.224079	0.452262	0
LRBA	-0.11714	0.224117	0.452271	0
MIR1915H	0.111634	0.224229	0.452385	0
CLPTM1L	0.097269	0.224242	0.452385	0
VAV1	0.18493	0.224322	0.452479	0
THAP10	-0.27469	0.224359	0.452485	0
AC120498	-0.31001	0.22445	0.452493	0
ABCB6	-0.24809	0.224488	0.452493	0
OSTM1	-0.25317	0.224502	0.452493	0
AC100803	0.160419	0.224515	0.452493	0
SKA3	-0.17071	0.224549	0.452493	0
UBAP1L	-0.33793	0.224567	0.452493	0
RND1	0.275714	0.224656	0.452552	0
CACNA1A	0.206153	0.224664	0.452552	0
TRMU	-0.1204	0.224803	0.452763	0
HLCS	-0.12757	0.224894	0.452863	0
TOB1	-0.10679	0.224952	0.452863	0
SSX2IP	-0.22477	0.224954	0.452863	0
DOC2A	0.199789	0.225023	0.452933	0
MSS51	-0.25098	0.225192	0.453205	0
RFX2	0.134815	0.225235	0.453212	0
SALL4	-0.12869	0.225264	0.453212	0
FAM210B	-0.1163	0.225341	0.453294	0
GPATCH2L	-0.14848	0.225372	0.453294	0
TSC22D1	-0.10012	0.225421	0.453324	0
LPAR5	0.304516	0.225566	0.453548	0
ARID5A	0.148259	0.225718	0.453784	0
UBE2B	-0.13871	0.225865	0.453955	0
CPNE3	-0.12262	0.225881	0.453955	0
GNG12	-0.1296	0.225905	0.453955	0
AC092159	-0.31482	0.225939	0.453955	0
CDC37L1	0.24583	0.226059	0.454128	0
FAM126A	-0.14687	0.22613	0.454202	0
AC148477	-0.19679	0.226207	0.454221	0
RNF14	-0.1299	0.226254	0.454221	0
UBE2Q2P2	-0.35069	0.226256	0.454221	0
ZNF717	-0.20221	0.226276	0.454221	0
FAM98C	0.127448	0.226329	0.454258	0

AC008870	-0.32272	0.226598	0.454731	0
ACD	0.113142	0.226678	0.454823	0
ACE	0.311375	0.22678	0.454825	0
ZNF784	0.147091	0.226793	0.454825	0
EVC	0.103534	0.226809	0.454825	0
DBT	-0.13814	0.226816	0.454825	0
HSPA4	-0.11797	0.227023	0.455173	0
HPCAL4	0.276825	0.227073	0.455204	0
SETDB2	-0.20899	0.227214	0.455419	0
ADCY3	0.099935	0.227393	0.455708	0
PSMC2	-0.14189	0.227446	0.455708	0
TEFM	-0.18272	0.227461	0.455708	0
LGALS3	0.223665	0.227588	0.455814	0
BRWD1	-0.13634	0.227602	0.455814	0
SECISBP2	-0.13247	0.227636	0.455814	0
COX6A1	0.126939	0.22765	0.455814	0
CCT4	-0.10015	0.227792	0.455966	0
AC004888	-0.32141	0.227836	0.455966	0
NQO2	0.100444	0.227839	0.455966	0
MORC3	-0.15259	0.227863	0.455966	0
KPNA1	-0.12411	0.227974	0.456013	0
SAMD11	0.149559	0.228049	0.456013	0
NOL11	-0.12585	0.228056	0.456013	0
CTBP2	-0.12269	0.228067	0.456013	0
PSPH	-0.1108	0.228086	0.456013	0
ITFG1	-0.13706	0.228121	0.456013	0
JAG1	-0.28943	0.228126	0.456013	0
CDH24	-0.11905	0.228189	0.45603	0
SNRPA	-0.09347	0.228209	0.45603	0
SMDT1	0.113896	0.228238	0.45603	0
FAM118B	-0.1402	0.228461	0.456409	0
PKNOX1	-0.13267	0.228569	0.456528	0
AC004943	-0.19615	0.228589	0.456528	0
CAMTA2	0.114197	0.228755	0.45679	0
VANGL2	-0.11782	0.228813	0.456824	0
OSMR	-0.12781	0.22884	0.456824	0
LINC02289	0.260519	0.229075	0.457223	0
SLC26A7	-0.24163	0.229182	0.457305	0
PEX6	0.110325	0.229199	0.457305	0
COX20	-0.12002	0.229218	0.457305	0
IRF2BP1	0.120757	0.229363	0.457525	0
C17orf67	0.196882	0.229483	0.457696	0
JAG2	-0.14444	0.22952	0.457702	0
UQCRH	0.105925	0.229577	0.457746	0

KLF13	-0.12592	0.229831	0.45817	0
C10orf88	-0.17895	0.229883	0.45817	0
NSMCE2	0.129366	0.229904	0.45817	0
RSBN1	-0.13691	0.229927	0.45817	0
MGRN1	0.107296	0.229998	0.458244	0
MON2	-0.13536	0.230138	0.458453	0
ZNF713	-0.23009	0.230303	0.458715	0
ITGB1BP1	-0.11005	0.230442	0.458893	0
PANX1	-0.14196	0.230475	0.458893	0
MBD3	0.101299	0.230496	0.458893	0
AC107956	0.374169	0.230655	0.45914	0
PPP1R9A	0.294888	0.230765	0.459281	0
SH2B3	-0.1106	0.230828	0.459281	0
HIST2H2AC	0.236141	0.230829	0.459281	0
EMC3-AS1	-0.25592	0.230955	0.459463	0
C1orf21	-0.16102	0.231069	0.459622	0
LINC02846	0.252189	0.231133	0.459643	0
AC008267	0.27769	0.231149	0.459643	0
HOXB6	0.122421	0.231196	0.459668	0
RPL32P3	-0.20774	0.23152	0.460178	0
MTFMT	-0.13606	0.231521	0.460178	0
PLXND1	0.105226	0.231675	0.460414	0
RNF130	-0.09881	0.231784	0.460554	0
SETD2	-0.11591	0.231814	0.460554	0
ZNF441	-0.40605	0.231951	0.460757	0
ZNF70	0.133576	0.232154	0.461091	0
AL133325	-0.27615	0.232195	0.461096	0
MAPKBP1	0.119271	0.232259	0.461096	0
COL27A1	-0.1328	0.23226	0.461096	0
FRA10AC1	-0.19802	0.232507	0.461518	0
SMARCB1	0.103066	0.232771	0.461948	0
ARMH3	-0.11321	0.232793	0.461948	0
PCNP	-0.12968	0.232926	0.462143	0
GRIN3B	0.208709	0.233127	0.462472	0
C1orf198	-0.11252	0.233178	0.462505	0
RALGAPA1	-0.1818	0.233256	0.462579	0
TMSB15A	0.177704	0.233303	0.462579	0
AGO4	-0.13369	0.233347	0.462579	0
CENPBD1	0.131265	0.233381	0.462579	0
RNFT2	-0.16576	0.233407	0.462579	0
BCL10	-0.20791	0.233423	0.462579	0
AF274858	-0.34201	0.233528	0.462718	0
LYAR	-0.16734	0.233809	0.463205	0
PPCS	0.117802	0.233893	0.463271	0

HIST2H2BI	-0.16805	0.233912	0.463271	0
WDR27	-0.16321	0.23398	0.463321	0
CYB561D2	0.165827	0.234006	0.463321	0
TMEM248	-0.09942	0.234083	0.463329	0
PMS2	-0.12464	0.234099	0.463329	0
SLC2A11	0.142772	0.234114	0.463329	0
ZNF25	-0.3036	0.234246	0.463481	0
CEP135	-0.2588	0.234261	0.463481	0
PGS1	0.119982	0.234309	0.463508	0
IL34	0.194006	0.234428	0.463674	0
GRIN2C	-0.19291	0.234541	0.463798	0
ATP5MPL	0.104135	0.23456	0.463798	0
SUN1	-0.09605	0.234624	0.463856	0
ACAT2	0.094995	0.234686	0.46391	0
ING2	-0.17331	0.234863	0.464191	0
RBM45	-0.16943	0.235059	0.464426	0
RBM8A	-0.10681	0.23506	0.464426	0
AGO1	-0.10863	0.23511	0.464426	0
AL591845.	-0.32527	0.235139	0.464426	0
CHRNA9	0.315887	0.235156	0.464426	0
HSPA12B	0.360817	0.235307	0.464654	0
ZNF695	-0.24287	0.235374	0.464719	0
GART	-0.09083	0.235416	0.464732	0
ATP8A1	-0.22777	0.23551	0.464849	0
GID4	0.1152	0.235568	0.464894	0
AC009779	-0.24122	0.235838	0.465358	0
PAXIP1-AS	-0.19485	0.23603	0.465625	0
AC244033	0.186602	0.236043	0.465625	0
CST3	0.109251	0.236097	0.465662	0
XRCC1	0.104106	0.236149	0.465697	0
SCAI	-0.15919	0.236198	0.465725	0
NSG1	0.137713	0.23625	0.465757	0
AC022211	-0.17026	0.236356	0.465849	0
AFDN	-0.1044	0.236431	0.465849	0
POLR3H	0.105003	0.236432	0.465849	0
RAB4A	0.09928	0.236436	0.465849	0
EBNA1BP2	0.098025	0.236482	0.46587	0
ABHD17B	-0.14557	0.236517	0.465871	0
FAM3C	-0.19736	0.236609	0.465915	0
SLC41A2	-0.26328	0.236609	0.465915	0
GLI4	0.132147	0.23676	0.466144	0
C21orf91	-0.23138	0.236825	0.466202	0
SIVA1	0.120301	0.236889	0.466259	0
ARMCX4	-0.15648	0.236926	0.466263	0

PCDHGB7	0.234633	0.237136	0.466449	0
RELT	-0.1534	0.237141	0.466449	0
DOLK	0.114521	0.237156	0.466449	0
AGPAT2	0.152179	0.23716	0.466449	0
IGFBP2	0.165513	0.237222	0.466501	0
ERMP1	-0.1178	0.237342	0.466609	0
WDR19	-0.12963	0.237347	0.466609	0
NRDE2	-0.14004	0.237551	0.466908	0
C16orf74	0.226831	0.237569	0.466908	0
LRRC1	-0.1511	0.237902	0.467494	0
ZFP1	-0.19365	0.237994	0.467606	0
CLASP2	-0.12598	0.238075	0.467696	0
RIDA	0.158637	0.238222	0.467917	0
TMEM139	0.158536	0.238293	0.467926	0
RCAN3	-0.13551	0.238298	0.467926	0
FUT10	-0.13165	0.238337	0.467926	0
ANAPC7	-0.10561	0.238377	0.467926	0
DNAJC25	-0.21648	0.238403	0.467926	0
DLGAP4	0.108032	0.238535	0.467959	0
DMXL1	-0.15253	0.238535	0.467959	0
PRPF31	0.098074	0.238547	0.467959	0
LRFN4	0.118244	0.238591	0.467959	0
RIN2	-0.20809	0.238595	0.467959	0
ITPRID2	-0.13637	0.238658	0.468015	0
SEPTIN3	-0.102	0.239049	0.468711	0
ARFRP1	0.114008	0.239128	0.468799	0
SDCBP2-A	0.174853	0.239294	0.469025	0
PCDH9	-0.13932	0.239378	0.469025	0
SCO1	-0.10923	0.239397	0.469025	0
AC022075	0.30065	0.23945	0.469025	0
NDUFA8	0.099647	0.239477	0.469025	0
ANKRD17	-0.10316	0.239488	0.469025	0
CDC5L	0.135104	0.239493	0.469025	0
MED12	0.094879	0.239525	0.469025	0
RYBP	-0.13719	0.239585	0.469073	0
SNRNP200	-0.08838	0.23963	0.469091	0
NDUFAF7	-0.14925	0.239687	0.469134	0
MMP24OS	0.129132	0.239861	0.46924	0
MYO9B	0.100925	0.239865	0.46924	0
PLCG1	0.102597	0.239871	0.46924	0
PTP4A2	-0.09913	0.239881	0.46924	0
USP53	-0.26198	0.239965	0.469335	0
TAX1BP1	-0.14296	0.240037	0.469406	0
MPV17L2	0.137018	0.240219	0.469638	0

PPIE	0.107941	0.240265	0.469638	0
HUWE1	-0.09569	0.240294	0.469638	0
RBFOX2	-0.09014	0.240341	0.469638	0
CWC27	0.15387	0.240344	0.469638	0
RFC5	-0.1136	0.240367	0.469638	0
PEF1	0.11052	0.240411	0.469655	0
AP001062	0.215677	0.240505	0.469771	0
PLEKHA8	-0.12364	0.240634	0.469953	0
RPL7	0.123363	0.240691	0.469996	0
CINP	0.13831	0.240794	0.47007	0
TP73	-0.18266	0.240799	0.47007	0
UBE2A	-0.10956	0.240972	0.470309	0
ABCC1	-0.09924	0.240992	0.470309	0
CRELD2	0.098808	0.241282	0.470805	0
GCN1	0.094534	0.241371	0.470845	0
PKD2	-0.13344	0.24142	0.470845	0
ADAMTSL4	0.135228	0.241431	0.470845	0
PANK3	-0.12519	0.241467	0.470845	0
JCAD	-0.16221	0.241479	0.470845	0
FBXL4	-0.15371	0.24154	0.470895	0
DCBLD1	-0.16591	0.241603	0.470949	0
FALEC	-0.33411	0.241757	0.471152	0
TTC1	-0.11876	0.241777	0.471152	0
CCDC187	0.299604	0.242184	0.471741	0
OBSCN-AS	0.254052	0.242187	0.471741	0
AC104024	0.272112	0.242195	0.471741	0
ZNF471	-0.25739	0.242222	0.471741	0
ETS2	-0.16825	0.242443	0.472103	0
PRPF40B	0.117951	0.242492	0.472104	0
CAPN10	0.124704	0.24257	0.472104	0
DLX2-DT	0.195568	0.242591	0.472104	0
SLC35B3	-0.1809	0.242639	0.472104	0
STK17A	-0.23761	0.242641	0.472104	0
IGF2BP3	-0.11586	0.242673	0.472104	0
DNAJB5	0.133999	0.242691	0.472104	0
TRRAP	-0.09544	0.242793	0.472233	0
RRP7A	0.103843	0.242877	0.472277	0
MAP2K1	-0.09809	0.242909	0.472277	0
AC100793	-0.36685	0.242922	0.472277	0
APBB2	-0.13238	0.24302	0.472399	0
CBFA2T2	-0.10992	0.243216	0.472711	0
TRIP12	-0.10156	0.243309	0.472822	0
UEVLD	-0.19231	0.243416	0.472962	0
SLC16A5	0.108327	0.24347	0.472998	0

CHTF18	-0.12375	0.243538	0.473053	0
THEMIS2	-0.14572	0.243569	0.473053	0
SELENOV	0.252113	0.243776	0.473385	0
MGAT4C	-0.1473	0.243816	0.473395	0
GNG4	-0.10724	0.243964	0.473612	0
PLCD4	0.154465	0.244048	0.473646	0
GATB	0.125843	0.24406	0.473646	0
AP002490	-0.371	0.244095	0.473646	0
CDA	0.25466	0.244123	0.473646	0
ZNF672	0.1022	0.244273	0.473843	0
ADI1	0.088976	0.244296	0.473843	0
ZSCAN32	-0.12121	0.244354	0.473886	0
PROSER3	0.156977	0.244499	0.474099	0
GGN	-0.29615	0.24459	0.474164	0
LINC00888	0.173981	0.244603	0.474164	0
GNAS	0.087853	0.244689	0.47426	0
CAVIN4	0.318122	0.244873	0.474548	0
RALY-AS1	-0.20671	0.245057	0.474794	0
ADAT2	-0.18986	0.245079	0.474794	0
URM1	0.104365	0.245113	0.474794	0
AC012313	-0.38327	0.245142	0.474794	0
CCDC91	-0.21764	0.245179	0.474797	0
FUBP1	-0.11276	0.245222	0.47481	0
DECR2	0.112694	0.245316	0.474839	0
MED17	-0.21525	0.245343	0.474839	0
TULP3	-0.10388	0.245406	0.474839	0
KCNMB4	0.124388	0.245439	0.474839	0
CHRNA5	-0.18628	0.245454	0.474839	0
SETDB1	0.092106	0.245471	0.474839	0
EFCAB1	0.135625	0.245486	0.474839	0
HOXB9	0.104576	0.24555	0.474894	0
CPTP	0.128157	0.24565	0.474969	0
NBPF26	-0.25566	0.24566	0.474969	0
RTEL1	0.207672	0.245759	0.47509	0
BDNF	-0.30309	0.245809	0.475119	0
NUMB	-0.12031	0.245919	0.475234	0
BAX	0.098738	0.245958	0.475234	0
MTHFS	-0.30377	0.245975	0.475234	0
COL4A6	0.231262	0.246091	0.475312	0
IFT22	0.126429	0.246118	0.475312	0
ANAPC2	0.117376	0.246123	0.475312	0
PRR12	0.102097	0.24637	0.475706	0
ALDH7A1	-0.09058	0.246398	0.475706	0
EPN1	0.096327	0.246504	0.475842	0

THUMPD3	-0.12556	0.246742	0.476232	0
ACTR3	-0.10501	0.246838	0.476348	0
TMEM74	-0.2459	0.246939	0.476474	0
ACAD10	0.113971	0.246977	0.476478	0
WFS1	0.113365	0.247063	0.476575	0
ZBTB5	-0.09323	0.247117	0.476578	0
ELOVL6	-0.13504	0.247136	0.476578	0
AC010969	-0.37529	0.247232	0.476694	0
RBM42	0.105208	0.247412	0.476918	0
RP2	-0.1739	0.247419	0.476918	0
LINC00501	0.15135	0.247471	0.476948	0
ING1	-0.1301	0.247534	0.477001	0
TRAIP	-0.13503	0.247581	0.477022	0
JKAMP	-0.13058	0.247767	0.477311	0
FAM66D	-0.28101	0.247881	0.477463	0
PARG	-0.15456	0.248087	0.477791	0
NSMF	0.096281	0.248165	0.477872	0
LBX2	0.280163	0.248235	0.477938	0
PTDSS1	0.089858	0.248271	0.477938	0
SDHAP1	-0.21655	0.248391	0.478041	0
LUNAR1	0.333241	0.248399	0.478041	0
ZNF326	-0.15942	0.248432	0.478041	0
GOLGA7	-0.13052	0.248497	0.478097	0
RAB17	0.114079	0.248592	0.478207	0
CASP7	-0.11788	0.248626	0.478207	0
AC008397	-0.28394	0.248727	0.47821	0
ADAP1	0.218621	0.248731	0.47821	0
KCTD17	0.127739	0.248735	0.47821	0
ABI2	-0.09353	0.248828	0.478289	0
THAP9-AS1	-0.15836	0.248848	0.478289	0
BIN2	-0.24194	0.249015	0.478542	0
HAUS8	-0.14217	0.249135	0.478701	0
LDHA	-0.10444	0.249186	0.478701	0
EXOC5	-0.13927	0.249265	0.478701	0
EIF3A	-0.09818	0.249285	0.478701	0
MAPK11	0.179565	0.249289	0.478701	0
NUP37	-0.13245	0.249314	0.478701	0
SYCE2	-0.22351	0.249394	0.478787	0
ACVR1	-0.10956	0.249529	0.478977	0
CDKN2C	0.099658	0.24962	0.479081	0
NBPF11	-0.14103	0.249798	0.479354	0
TDRD7	-0.16703	0.249846	0.479378	0
PRR14L	-0.10649	0.249966	0.479539	0
PAK1IP1	-0.14818	0.25012	0.479752	0

PLEKHM1	0.121975	0.250208	0.479752	0
TMEM201	0.114261	0.250238	0.479752	0
VASN	0.264196	0.250289	0.479752	0
AC105285	0.201615	0.250294	0.479752	0
AL928654	-0.26372	0.250318	0.479752	0
ZNF414	0.135699	0.250329	0.479752	0
AL604028	-0.3491	0.250657	0.480248	0
CHURC1	-0.13274	0.250704	0.480248	0
SKAP2	-0.3199	0.250708	0.480248	0
LRP5L	-0.14366	0.250732	0.480248	0
EEF1AKMT	-0.16417	0.25087	0.480445	0
PTPN4	-0.1362	0.251112	0.480837	0
NIPAL3	0.11295	0.251252	0.480862	0
USP12	-0.13832	0.251261	0.480862	0
ZNF670	-0.21848	0.251268	0.480862	0
SEPTIN9	0.092879	0.251269	0.480862	0
SIRT6	0.125869	0.25137	0.480987	0
PRDM6	-0.17361	0.251485	0.481139	0
SUPT3H	-0.16299	0.251575	0.481189	0
MRPL37	0.089213	0.251584	0.481189	0
PPP1R10	-0.0906	0.251639	0.481213	0
INTS8	-0.12893	0.251669	0.481213	0
SNORA6	-0.36365	0.252077	0.481924	0
CYP2U1	-0.15557	0.252146	0.481988	0
KANK1	-0.11539	0.252318	0.482247	0
LINC01637	0.21426	0.252404	0.482343	0
POLR2A	0.091086	0.252829	0.483084	0
C1orf174	-0.11528	0.252916	0.483183	0
PTPRJ	-0.14496	0.253203	0.483581	0
SESN1	-0.1247	0.253217	0.483581	0
CFL1	0.089154	0.253234	0.483581	0
CTR9	-0.11969	0.25328	0.483589	0
PTMAP9	-0.26697	0.25331	0.483589	0
GPT	-0.28222	0.253439	0.483597	0
CHD8	-0.09495	0.253448	0.483597	0
PAN3-AS1	0.290411	0.25345	0.483597	0
AC092275	0.205254	0.253459	0.483597	0
ZNF321P	-0.34048	0.253547	0.483695	0
GIN1	-0.29141	0.25364	0.483755	0
FAM86B3F	0.332352	0.253664	0.483755	0
CYB5R4	-0.17453	0.253688	0.483755	0
SH2D5	0.148318	0.253925	0.483922	0
ADCY1	-0.09886	0.253933	0.483922	0
UBR2	-0.12327	0.253948	0.483922	0

POTEF	-0.28048	0.253948	0.483922	0
AC241952	-0.32319	0.253956	0.483922	0
ARHGAP22	-0.13307	0.254131	0.484184	0
PITX2	-0.19352	0.254173	0.484184	0
ZNF57	-0.20788	0.254237	0.484184	0
CTNNBIP1	0.096903	0.254239	0.484184	0
KCP	0.112641	0.254332	0.484271	0
MUS81	0.101905	0.254358	0.484271	0
AC104819	0.289042	0.254502	0.484476	0
USP32	-0.10099	0.254546	0.484491	0
ARRDC3	-0.17477	0.254706	0.484712	0
DAG1	0.091012	0.254761	0.484712	0
AC018638	-0.24263	0.254801	0.484712	0
SLC2A1	0.100283	0.254826	0.484712	0
ZDBF2	-0.16198	0.254843	0.484712	0
INE1	-0.22399	0.254967	0.484762	0
SLC16A3	0.10958	0.254977	0.484762	0
LPP-AS2	-0.26571	0.254979	0.484762	0
FAM86DP	0.143153	0.255021	0.484772	0
PUSL1	0.130372	0.255237	0.48501	0
SPATA7	-0.25895	0.255249	0.48501	0
BEND6	0.220786	0.255279	0.48501	0
AC008393	0.267201	0.255291	0.48501	0
ECD	-0.1163	0.255372	0.485094	0
KCTD18	-0.12863	0.255477	0.485115	0
ZNF805	-0.21264	0.255485	0.485115	0
GLUD1P3	-0.26647	0.255492	0.485115	0
OAT	-0.10803	0.255582	0.485216	0
CCDC93	-0.11045	0.255721	0.485411	0
TFEB	0.250135	0.255762	0.48542	0
SCN1A	-0.16874	0.255829	0.485478	0
OVCA2	-0.23645	0.255887	0.485518	0
MIR1282	-0.46905	0.255977	0.48562	0
TSTD2	-0.12078	0.256107	0.485733	0
TMEM39B	0.11477	0.256109	0.485733	0
RASA1	-0.15156	0.256169	0.485778	0
H1FO	-0.08516	0.256234	0.485832	0
SNAPC1	-0.19831	0.256377	0.485993	0
KRI1	0.098904	0.256392	0.485993	0
TUBB2A	-0.13123	0.256537	0.48616	0
MAB21L1	-0.14672	0.256589	0.48616	0
AC009120	-0.31339	0.256603	0.48616	0
ZNF669	-0.17129	0.256651	0.48616	0
WASF1	-0.14337	0.256663	0.48616	0

NDUFAF5	0.135933	0.256714	0.486189	0
KCNG1	0.116765	0.25677	0.486226	0
MAP3K14	0.106163	0.256839	0.486288	0
HCG18	-0.11278	0.256956	0.486423	0
ENTPD3-A'	0.250675	0.256984	0.486423	0
DIPK2A	-0.1018	0.257058	0.486495	0
AC009065	0.258377	0.257123	0.486549	0
CTNNB1	-0.08868	0.257257	0.486733	0
ZNF180	-0.20198	0.257395	0.486925	0
SNRPD3	-0.11313	0.257496	0.487048	0
AL358472	-0.25563	0.257536	0.487054	0
PRRC2A	0.092079	0.257638	0.48715	0
TUT7	-0.14847	0.257697	0.48715	0
HIPK2	0.140683	0.257699	0.48715	0
PLCE1	-0.17612	0.257733	0.48715	0
ANKS1A	0.09728	0.257901	0.487399	0
CEP70	-0.14791	0.258059	0.487553	0
FCHSD1	0.117823	0.25812	0.487553	0
CD302	-0.17208	0.258152	0.487553	0
SS18L1	-0.13355	0.258172	0.487553	0
TRIM37	-0.13721	0.258198	0.487553	0
RPSAP52	-0.21923	0.258202	0.487553	0
PIN1	0.097019	0.258424	0.487902	0
LIMS1	-0.11185	0.258483	0.487914	0
ZNF75D	-0.14553	0.258524	0.487914	0
AC126474	-0.34475	0.25854	0.487914	0
TMLHE	-0.15166	0.258596	0.48795	0
COG7	0.107087	0.258674	0.488028	0
PATJ	-0.13923	0.258758	0.488118	0
RAP1GAP2	0.110763	0.258814	0.488155	0
PLLP	0.202196	0.258941	0.488285	0
PPP2R1A	0.095404	0.258956	0.488285	0
LARP7	0.151608	0.259022	0.488285	0
TMEM81	0.216338	0.259029	0.488285	0
AC148477	0.216758	0.259107	0.488362	0
ZNF14	-0.20184	0.259158	0.488388	0
RPN2	-0.09771	0.259335	0.488588	0
HIST1H4H	-0.28754	0.259337	0.488588	0
EDA2R	-0.14189	0.259467	0.488739	0
TNPO2	0.095686	0.259501	0.488739	0
TEX14	-0.13943	0.259527	0.488739	0
PRKAG2	-0.14218	0.259747	0.489085	0
MXD3	-0.12048	0.259798	0.489102	0
FOXA1	-0.18941	0.25983	0.489102	0

SCFD1	-0.16098	0.259917	0.489198	0
PRKAB2	-0.09476	0.259993	0.489271	0
MRPS28	0.229044	0.260073	0.489297	0
IRS1	-0.13083	0.26008	0.489297	0
POLRMT	0.104891	0.2602	0.489367	0
SLC10A4	-0.22905	0.260216	0.489367	0
DFFB	-0.1584	0.260228	0.489367	0
URGCP	0.098348	0.260495	0.489801	0
SESN3	-0.1244	0.260612	0.489952	0
C4orf47	-0.34307	0.260719	0.490083	0
EIF2AK3-D	-0.26329	0.26089	0.490337	0
DUSP5	0.18625	0.260933	0.490349	0
PRDM2	-0.10908	0.260978	0.490363	0
MIR200CH	0.308861	0.261126	0.490572	0
ZNF827	0.117222	0.261432	0.491061	0
CCDC28A	-0.17146	0.26146	0.491061	0
MRPS30	-0.12812	0.261553	0.491167	0
HSF1	0.097208	0.26162	0.49118	0
SLC25A33	-0.12429	0.261634	0.49118	0
RAB6B	0.102815	0.261754	0.491317	0
DUSP16	-0.10141	0.26178	0.491317	0
ITGB4	0.152099	0.261878	0.491431	0
DZIP1	-0.09528	0.261996	0.491584	0
SRI	0.088824	0.262115	0.491737	0
EPHX2	0.12229	0.262167	0.491766	0
C12orf76	-0.14635	0.262284	0.491916	0
HGF	-0.09256	0.262536	0.49232	0
ICAM1	0.106825	0.26266	0.492426	0
AC016355	-0.28794	0.262667	0.492426	0
WDR26	-0.10025	0.262709	0.492436	0
AC097382	-0.24637	0.26275	0.492443	0
ZNF286B	0.324539	0.262934	0.492719	0
GNB3	-0.17079	0.263038	0.492845	0
NEK11	0.167517	0.263448	0.493544	0
CDK10	0.101554	0.263552	0.493669	0
PPARGC1B	-0.1214	0.263602	0.493693	0
SUMO1	-0.12151	0.263773	0.493944	0
HIKESHI	0.115349	0.263857	0.494033	0
NETO2	-0.12693	0.264026	0.49428	0
PDCD7	-0.10236	0.264121	0.494387	0
DNAJC12	0.147843	0.264214	0.494492	0
FBLN5	0.29198	0.264337	0.494566	0
GAS6	0.168766	0.26436	0.494566	0
SNTB2	-0.11833	0.264365	0.494566	0

MFSD2A	0.165474	0.264504	0.494758	0
TRMT6	-0.16814	0.264544	0.494762	0
SLC35B1	-0.09696	0.2646	0.494799	0
PNPLA8	-0.16781	0.264691	0.494877	0
SLITRK5	0.098255	0.264736	0.494877	0
ASIC3	-0.22059	0.264753	0.494877	0
EIF1	0.086982	0.264834	0.494959	0
RFLNB	0.095659	0.265175	0.495525	0
ZNF275	-0.13108	0.265217	0.495535	0
CBX7	0.175392	0.265309	0.495638	0
TMEM170	0.277678	0.265366	0.495674	0
RBM10	0.086909	0.265456	0.495773	0
ALS2	-0.13099	0.265534	0.495807	0
SART3	-0.09282	0.265548	0.495807	0
NAA60	0.095231	0.265602	0.495834	0
C3orf62	-0.14851	0.265714	0.495834	0
TCERG1	-0.10157	0.265719	0.495834	0
MRPS9	-0.10984	0.265741	0.495834	0
MMP14	-0.2491	0.265749	0.495834	0
NFE2	0.142571	0.265854	0.495938	0
ZNF81	-0.21807	0.265879	0.495938	0
PRCP	0.087085	0.265945	0.495991	0
NIPA1	-0.11127	0.266117	0.496244	0
ZC3H3	0.112909	0.266244	0.49641	0
P4HA1	-0.10842	0.266334	0.496509	0
B4GALNT3	0.11522	0.266399	0.496561	0
HIST1H2AC	-0.17675	0.266495	0.49665	0
NBPF10	-0.19268	0.266521	0.49665	0
RIN3	0.14615	0.266622	0.496732	0
FAM201A	-0.33209	0.26664	0.496732	0
USP46	-0.12092	0.266779	0.496921	0
GADD45A	0.132885	0.266868	0.496987	0
WRN	-0.13213	0.266896	0.496987	0
SEPTIN7P2	-0.18632	0.266926	0.496987	0
INSYN2A	0.177328	0.267026	0.497105	0
SPRTN	-0.15334	0.267153	0.497271	0
ZNF84	-0.15708	0.26735	0.497567	0
SSBP4	0.100896	0.267482	0.497745	0
CCDC69	0.125593	0.26758	0.497857	0
EGR3	-0.26657	0.267697	0.497966	0
SNRK	-0.14877	0.267713	0.497966	0
TMEM234	0.162358	0.268108	0.49863	0
HSCB	0.133044	0.268166	0.49867	0
SLC36A1	-0.11089	0.268265	0.498784	0

TTI1	-0.10218	0.268489	0.49913	0
HIBCH	-0.15765	0.268534	0.499145	0
EFTUD2	0.088795	0.26865	0.49929	0
C1orf216	0.103408	0.26871	0.499292	0
MYL12B	0.106517	0.268725	0.499292	0
ASL	0.107621	0.268764	0.499293	0
AIMP2	0.10716	0.269041	0.499735	0
NIP7	-0.10273	0.269076	0.499735	0
NDUFAB1	-0.09094	0.269456	0.500369	0
TMEM14B	-0.10699	0.269582	0.500519	0
CARD8	-0.13513	0.269625	0.500519	0
PHYHIP	0.164889	0.269649	0.500519	0
TTC17	-0.10291	0.26976	0.500646	0
LIN37	-0.32706	0.26982	0.500646	0
RBM33	-0.09485	0.269866	0.500646	0
ABCD4	0.127313	0.269886	0.500646	0
AFMID	0.101759	0.269905	0.500646	0
PANX2	0.161939	0.269957	0.500658	0
SPACA6	-0.15723	0.269987	0.500658	0
PCGF6	-0.17311	0.27021	0.501003	0
CALCOCO2	-0.10742	0.270253	0.501013	0
AL109918.	-0.14107	0.270613	0.50161	0
PLIN5	-0.15972	0.270707	0.501674	0
GFOD2	0.101303	0.270723	0.501674	0
HDGFL3	-0.11507	0.27098	0.502045	0
AZIN1-AS1	0.325132	0.271028	0.502045	0
DEXI	0.101366	0.271065	0.502045	0
IER3-AS1	0.267219	0.271073	0.502045	0
ZSWIM3	0.15562	0.271311	0.502348	0
CDH10	-0.22876	0.271313	0.502348	0
BTBD19	0.159758	0.27135	0.502348	0
C2orf92	-0.3034	0.271405	0.50235	0
SET	-0.09784	0.271427	0.50235	0
CACFD1	0.167708	0.271557	0.50248	0
TMEM208	0.111008	0.271572	0.50248	0
DGKD	-0.0946	0.271758	0.50272	0
DPP7	0.247528	0.271777	0.50272	0
NDUFA2	0.097516	0.271922	0.502918	0
LRRC14	0.102125	0.272012	0.503016	0
PECR	0.101469	0.27219	0.503273	0
ZDHHC2	-0.13278	0.272376	0.503549	0
PRPF18	-0.25165	0.272459	0.503624	0
AL513497.	-0.29673	0.272492	0.503624	0
CCDC126	-0.2175	0.272667	0.503831	0

ZBTB22	0.121224	0.272686	0.503831	0
COPG2	-0.09044	0.272718	0.503831	0
XRN2	-0.09777	0.272835	0.503977	0
RBM18	-0.11982	0.272915	0.503994	0
AC091271	0.242299	0.272948	0.503994	0
DNAJB6	-0.1	0.272957	0.503994	0
UBLCP1	-0.16316	0.273072	0.504089	0
FRS3	0.177687	0.273094	0.504089	0
MPLKIP	-0.10634	0.273123	0.504089	0
NTAN1	-0.12203	0.27316	0.504089	0
ASCC2	0.094573	0.273293	0.504265	0
LGALSL	-0.12194	0.273427	0.504443	0
ATP5F1D	0.095128	0.273538	0.504459	0
GTF2A1	-0.1395	0.273556	0.504459	0
RAD54L2	-0.09614	0.273572	0.504459	0
CDK5RAP1	-0.10774	0.273606	0.504459	0
STK40	0.090282	0.273625	0.504459	0
ZFP82	-0.18298	0.273711	0.504534	0
FOS	-0.21445	0.273742	0.504534	0
COQ10A	0.124512	0.274234	0.505372	0
ZFP30	-0.13435	0.274342	0.505476	0
AC008105	-0.29246	0.274367	0.505476	0
IGSF8	0.115602	0.274416	0.505498	0
TPRKB	0.144624	0.274548	0.505671	0
SAMD8	-0.13308	0.274682	0.505847	0
PCED1A	0.109712	0.274843	0.505869	0
WDR48	-0.11651	0.274881	0.505869	0
ZNF214	-0.29088	0.274894	0.505869	0
MFNG	0.180025	0.274894	0.505869	0
PPP2R3C	-0.15594	0.27491	0.505869	0
PPP3CC	-0.13191	0.274925	0.505869	0
B3GNTL1	0.131825	0.27496	0.505869	0
FOLR1	0.153933	0.275024	0.505918	0
LSG1	-0.12009	0.275094	0.505978	0
AC244090	0.19502	0.27532	0.506324	0
KIF13B	-0.14222	0.27539	0.506382	0
METAP1	-0.10111	0.275449	0.506421	0
NCKAP5L	0.111303	0.275498	0.50644	0
RPRD2	-0.09011	0.27556	0.50644	0
MAPK15	-0.16064	0.275574	0.50644	0
RRP36	0.091585	0.2757	0.506551	0
JADE1	-0.10261	0.27571	0.506551	0
NPTXR	0.226071	0.275772	0.506596	0
VWDE	-0.14746	0.275951	0.506855	0

LINC02615	-0.24453	0.276028	0.506918	0
RASAL2	-0.12457	0.276075	0.506918	0
HMG1N1P1	-0.35117	0.2761	0.506918	0
PROCA1	0.148268	0.276222	0.507073	0
PEX2	0.108455	0.276287	0.507122	0
AC078909	0.263584	0.27642	0.507218	0
MRPL9	-0.0906	0.276485	0.507218	0
TASP1	-0.14823	0.276487	0.507218	0
GANAB	0.087188	0.276497	0.507218	0
NEK2P4	-0.34298	0.276529	0.507218	0
ATAD2B	-0.12801	0.276691	0.507444	0
GPR155	-0.20728	0.277042	0.508018	0
CTRL	0.232243	0.277197	0.508167	0
ZNF512B	0.094845	0.2772	0.508167	0
KLHL9	-0.12229	0.277453	0.508562	0
F8	0.267589	0.277565	0.508698	0
FAHD2CP	0.15319	0.277605	0.5087	0
CSPG4P10	-0.34067	0.27765	0.508714	0
FER1L4	0.127958	0.277742	0.508766	0
RTL5	0.108447	0.277755	0.508766	0
SEC13	0.091923	0.277963	0.509076	0
CES3	0.112665	0.278064	0.5091	0
PCID2	-0.10062	0.278089	0.5091	0
ATP5PF	0.08784	0.27809	0.5091	0
APOBEC3F	0.125228	0.27816	0.509158	0
NKX3-1	-0.28489	0.278342	0.509421	0
RAB3IL1	0.227	0.278563	0.50966	0
KANSL1	-0.09998	0.278585	0.50966	0
SMARCA5	-0.10681	0.278587	0.50966	0
LRRFIP2	-0.12276	0.278803	0.509943	0
BTN3A3	0.177329	0.278818	0.509943	0
PARP6	-0.11424	0.278973	0.510157	0
ASF1A	-0.14436	0.279042	0.510213	0
SFPQ	-0.0959	0.279174	0.510384	0
PIK3CD	-0.22968	0.279213	0.510385	0
PCDH17	0.112296	0.279308	0.510489	0
PEG13	0.184088	0.279499	0.510768	0
FBXL19-AS	-0.1741	0.279575	0.51078	0
CLCN4	-0.13189	0.27959	0.51078	0
CDK8	-0.12475	0.279621	0.51078	0
AP000525	0.291247	0.279843	0.511116	0
PITX1	0.102223	0.280183	0.511623	0
ITGA2	-0.34952	0.280229	0.511623	0
WNT5B	0.183917	0.280236	0.511623	0

NDUFV3	0.094166	0.280348	0.511693	0
NUDT21	-0.10649	0.280365	0.511693	0
LYPLA1	-0.11341	0.280456	0.511693	0
UNC13A	0.10161	0.280474	0.511693	0
TIMMDC1	-0.09999	0.280482	0.511693	0
SAP18	0.087926	0.280518	0.511693	0
FAM174A	-0.18019	0.280543	0.511693	0
C1orf50	-0.19572	0.280584	0.511698	0
TBC1D24	0.118666	0.280663	0.511729	0
EMC7	0.105465	0.280677	0.511729	0
LYSMD3	-0.18497	0.280741	0.511774	0
ADA	0.114567	0.280804	0.51182	0
KIAA0930	0.091576	0.280947	0.511946	0
DNM1	0.110601	0.28095	0.511946	0
GPATCH4	-0.10558	0.28102	0.512003	0
AC027796	0.293352	0.281231	0.512288	0
RPP40	-0.17191	0.281281	0.512288	0
NFYB	-0.1173	0.281322	0.512288	0
MYO1F	0.164885	0.281344	0.512288	0
AHCYL2	-0.10965	0.281421	0.512288	0
DSE	-0.13866	0.281443	0.512288	0
DHX34	0.098367	0.28151	0.512288	0
DDX60	-0.26264	0.281538	0.512288	0
ZNF609	-0.08465	0.281544	0.512288	0
PER2	-0.14821	0.281561	0.512288	0
TMEM183	0.097189	0.281632	0.512348	0
UNC5C	-0.10548	0.281673	0.512352	0
CYP4F26P	-0.14975	0.281771	0.512461	0
TRPM7	-0.12836	0.281865	0.512562	0
TAMM41	-0.14556	0.281917	0.512587	0
AC073174	-0.12176	0.282024	0.512658	0
SETD1A	0.088099	0.282033	0.512658	0
AC006128	-0.34184	0.282082	0.512676	0
LIPA	0.083773	0.282319	0.513037	0
LINC01234	0.153843	0.282448	0.513138	0
MVB12B	0.105868	0.282451	0.513138	0
INO80D	-0.14859	0.282512	0.513169	0
HDAC11	0.163565	0.282545	0.513169	0
SNRPB	0.089591	0.282618	0.513183	0
ZNF416	0.120952	0.28263	0.513183	0
ZBTB8A	-0.16501	0.282706	0.513252	0
NPL	-0.18911	0.282795	0.513344	0
MT-ND5	0.079803	0.28295	0.513554	0
CCDC114	0.134103	0.283098	0.513712	0

UHRF1BP1	-0.10617	0.283114	0.513712	0
TANC2	-0.11396	0.283172	0.513747	0
PIGQ	0.122953	0.283228	0.51378	0
HIPK4	0.280703	0.283298	0.513793	0
SBK1	-0.15422	0.283313	0.513793	0
EXTL1	0.147632	0.283492	0.514049	0
SYNGR1	0.139146	0.283648	0.514202	0
SCAF1	0.106731	0.283654	0.514202	0
DENR	-0.10907	0.283746	0.514299	0
TRAF3IP2-	-0.33423	0.283885	0.514481	0
SIRT5	-0.11734	0.283964	0.514555	0
HIP1R	0.102999	0.28407	0.51458	0
KCTD3	-0.10353	0.284092	0.51458	0
DAGLA	0.128296	0.284132	0.51458	0
PIK3CB	-0.12373	0.284156	0.51458	0
CLN8	0.114134	0.284171	0.51458	0
BCAT1	-0.10826	0.284243	0.514595	0
PAXX	0.106904	0.284323	0.514595	0
DAAM1	-0.22028	0.284331	0.514595	0
ACAP2	-0.12011	0.284353	0.514595	0
OXSM	-0.12955	0.284372	0.514595	0
OBSL1	0.098014	0.284613	0.514961	0
DDTL	-0.23169	0.284693	0.515035	0
FAM8A1	-0.12036	0.284908	0.515289	0
AHI1	-0.16645	0.28495	0.515289	0
APOA1	0.312213	0.284977	0.515289	0
PIK3R4	-0.12269	0.284987	0.515289	0
TRMT13	-0.19564	0.285101	0.51541	0
PLEC	0.096786	0.285177	0.51541	0
TRMO	-0.15343	0.285201	0.51541	0
BICD1	-0.1425	0.285249	0.51541	0
RPN1	0.080122	0.285328	0.51541	0
SMIM3	0.126375	0.285341	0.51541	0
MCM2	0.087998	0.285357	0.51541	0
OTUB2	-0.22108	0.285378	0.51541	0
GAB2	0.146797	0.285402	0.51541	0
ST20-AS1	0.230093	0.285487	0.515493	0
CATSPER2	-0.28119	0.285553	0.515542	0
AL355001.	0.21836	0.285679	0.515699	0
PGRMC2	-0.09699	0.28579	0.51583	0
DUSP3	0.09833	0.285979	0.516102	0
RIC8B	-0.13156	0.286035	0.516132	0
CNIH1	-0.09066	0.286193	0.516348	0
PCDHAC2	-0.18716	0.286234	0.516352	0

FOSB	0.125192	0.286384	0.516553	0
LIPT1	-0.20287	0.286802	0.517237	0
ERLIN2	-0.10924	0.286914	0.517368	0
SEC61A1	0.084438	0.286956	0.517375	0
AL355987	-0.22947	0.286998	0.51738	0
MCPH1	-0.12874	0.287096	0.517485	0
ZNF543	-0.16865	0.287134	0.517485	0
BCL2L1	0.101349	0.287269	0.517658	0
CBSL	0.165597	0.287331	0.517701	0
DLEU1	-0.19567	0.287486	0.51791	0
MBLAC2	-0.15137	0.287577	0.518004	0
GEMIN8	-0.133	0.287756	0.518257	0
FAM27C	0.249503	0.28782	0.518302	0
SLC25A16	-0.16239	0.288013	0.518399	0
TXN	0.111185	0.288014	0.518399	0
ZBTB8B	-0.16149	0.288032	0.518399	0
APPL1	-0.11843	0.288129	0.518399	0
POC1B-AS1	0.218178	0.288134	0.518399	0
AMMECR1	-0.09192	0.288138	0.518399	0
HYOU1	0.083803	0.288146	0.518399	0
KAT6B	0.111707	0.288287	0.518582	0
LMO4	-0.1537	0.288373	0.518646	0
ANKRD39	0.107757	0.2884	0.518646	0
AC097662	-0.26464	0.288556	0.518774	0
DANCR	0.104495	0.288573	0.518774	0
TSEN54	0.102924	0.28862	0.518774	0
AC023509	-0.28413	0.288627	0.518774	0
BLOC1S5	-0.16471	0.288774	0.518922	0
TADA1	-0.1123	0.288802	0.518922	0
C17orf100	-0.16837	0.288839	0.518922	0
TSPYL1	0.090016	0.288865	0.518922	0
MORF4L1F	0.151175	0.28895	0.519005	0
ATXN7	-0.12114	0.289066	0.519144	0
PIGC	-0.08467	0.289225	0.519359	0
POLR3E	0.086422	0.28938	0.519392	0
FBLIM1	0.186233	0.289418	0.519392	0
CALHM2	0.17106	0.28942	0.519392	0
TUBBP5	0.115283	0.289436	0.519392	0
ZNF260	-0.15305	0.289439	0.519392	0
ERCC5	-0.27508	0.289559	0.519478	0
SLC25A30	-0.15041	0.289564	0.519478	0
CDS2	0.082755	0.289612	0.519494	0
REM2	0.217914	0.289779	0.519724	0
TTC28-AS1	-0.12231	0.289876	0.519827	0

EIF2S1	-0.10084	0.289926	0.519846	0
SYT12	0.278042	0.290088	0.520068	0
GON7	-0.20816	0.290183	0.52013	0
H3.Y	0.21274	0.290201	0.52013	0
AC120114	-0.21275	0.290447	0.520502	0
ZNF583	-0.21556	0.290508	0.520541	0
TSPAN10	0.191718	0.290709	0.520613	0
DMPK	0.104274	0.290731	0.520613	0
QDPR	0.10517	0.290738	0.520613	0
APTR	-0.19097	0.290872	0.520613	0
ERVK3-1	-0.1983	0.290876	0.520613	0
CYP51A1	-0.09768	0.29088	0.520613	0
TRIOBP	0.08948	0.290897	0.520613	0
RCAN1	-0.12917	0.290924	0.520613	0
RPS21	0.080831	0.290934	0.520613	0
IPPK	-0.11559	0.290939	0.520613	0
MID2	-0.14247	0.290992	0.520614	0
FYN	-0.17849	0.291018	0.520614	0
ZPLD1	-0.282	0.29107	0.520639	0
TMEM254	-0.14012	0.29116	0.520703	0
AC004987	0.267945	0.291184	0.520703	0
RAP2C	-0.10822	0.291291	0.520824	0
TMEM62	-0.12343	0.291364	0.520884	0
SERGEF	0.122869	0.291538	0.521125	0
CPEB3	-0.17299	0.291614	0.521191	0
MARF1	-0.10672	0.291746	0.52127	0
C12orf73	0.119122	0.291753	0.52127	0
CYGB	0.267415	0.291775	0.52127	0
SLC25A5	0.086096	0.291916	0.521452	0
MIER2	0.096179	0.29196	0.521461	0
GPR135	-0.2075	0.292049	0.52155	0
PRKCQ	0.113156	0.292128	0.521621	0
FAM207A	0.103302	0.292177	0.521638	0
APEX2	0.095406	0.292273	0.52174	0
RPIA	-0.09289	0.292349	0.521806	0
VAMP2	0.101478	0.292485	0.521935	0
MTCH2	-0.08378	0.292508	0.521935	0
PNO1	-0.1059	0.292541	0.521935	0
ZMYM3	0.085236	0.292598	0.521935	0
FHDC1	-0.2803	0.292617	0.521935	0
APBB1	0.125973	0.292714	0.521977	0
TULP2	-0.12556	0.292719	0.521977	0
DUSP8P5	-0.22768	0.293041	0.522451	0
TIGD7	-0.20521	0.293063	0.522451	0

SCYL3	-0.11794	0.293211	0.522549	0
IPMK	-0.24465	0.293264	0.522549	0
ZNF131	-0.1151	0.293318	0.522549	0
METTL15	-0.19532	0.293341	0.522549	0
SRSF11	-0.09795	0.293354	0.522549	0
SIK1	-0.30383	0.293364	0.522549	0
CFAP70	-0.18906	0.293392	0.522549	0
KREMEN2	0.107517	0.293444	0.522572	0
UBE2E3	-0.08588	0.293533	0.522659	0
ZNF213-AS1	-0.12843	0.293627	0.522689	0
ERICH1	-0.12573	0.293646	0.522689	0
RPARP-AS1	-0.10415	0.293667	0.522689	0
FGD5-AS1	-0.09598	0.293858	0.522891	0
ITPA	0.091524	0.293874	0.522891	0
NSMCE4A	-0.10915	0.293898	0.522891	0
TRPT1	0.11718	0.29396	0.522932	0
PEAR1	0.287799	0.294054	0.522965	0
HEXA	0.100263	0.294058	0.522965	0
NPRL2	0.109422	0.294125	0.522974	0
GRIPAP1	0.092538	0.294141	0.522974	0
PRKRIP1	0.100843	0.294235	0.523071	0
RECQL4	-0.09072	0.294381	0.523261	0
TMEM97	-0.09979	0.294438	0.523292	0
ZNF302	-0.14975	0.294508	0.523348	0
Z99572.1	-0.30935	0.294814	0.523815	0
AP000345	0.200488	0.29485	0.523815	0
RHOA	0.078373	0.29499	0.523951	0
GNAQ	-0.1127	0.295005	0.523951	0
NBR2	-0.13882	0.295159	0.524155	0
DPM1	0.114566	0.295322	0.524352	0
LIN28B	-0.15532	0.295348	0.524352	0
SAV1	-0.11193	0.295407	0.524386	0
PIP4P2	-0.11454	0.295665	0.524774	0
UBBP2	0.250541	0.295797	0.524873	0
EXOC6B	-0.10531	0.295838	0.524873	0
PCDHGB2	0.193422	0.295859	0.524873	0
MRPL30	-0.09644	0.295911	0.524873	0
RFK	-0.14422	0.295918	0.524873	0
AC108479	-0.25914	0.295992	0.524934	0
RAB5IF	-0.14277	0.296033	0.524937	0
DYRK3	-0.11221	0.296168	0.525108	0
ZFAND3	0.084211	0.29643	0.525415	0
TSEN2	-0.12108	0.296455	0.525415	0
UBE2O	0.085925	0.29646	0.525415	0

LZTR1	0.10606	0.296507	0.525429	0
ZNF462	-0.10526	0.296568	0.525467	0
MGARP	0.171608	0.296654	0.52555	0
SLC9A2	-0.12208	0.296795	0.525729	0
PCDHGA9	0.263116	0.296895	0.525836	0
UBE2I	0.083687	0.297031	0.526007	0
PHLPP2	-0.11897	0.29724	0.526309	0
TOP1	-0.10219	0.297374	0.52647	0
MIB1	-0.11005	0.297411	0.52647	0
H2AFY2	0.082497	0.297494	0.526548	0
MTMR14	0.103405	0.297573	0.526618	0
GPAT4	0.083036	0.297706	0.526702	0
NSMCE3	0.104664	0.297734	0.526702	0
MLX	-0.08673	0.297739	0.526702	0
MIGA2	0.101136	0.298	0.527085	0
AC139768	-0.25199	0.298035	0.527085	0
HSPA13	-0.1429	0.298156	0.527189	0
SNAPC4	0.109864	0.298172	0.527189	0
AC008622	-0.22319	0.29826	0.527273	0
KCTD1	0.123145	0.298375	0.527383	0
RMND5B	0.094182	0.298401	0.527383	0
SIPA1L1	-0.08798	0.298453	0.527405	0
HECW2	-0.18793	0.298578	0.527556	0
SPPL3	0.089794	0.29872	0.527736	0
LMX1B	0.10071	0.298819	0.527841	0
RSF1	-0.12177	0.298956	0.527996	0
TM6SF2	-0.28682	0.298988	0.527996	0
CCDC163	-0.18003	0.299059	0.527996	0
CSRNP3	-0.09878	0.299075	0.527996	0
ZNF652	-0.12579	0.299104	0.527996	0
AL161772	-0.16097	0.29931	0.52829	0
RELL1	-0.20677	0.299371	0.528306	0
TMEM135	-0.1293	0.299398	0.528306	0
WDPCP	-0.18442	0.299518	0.528382	0
INPP5K	0.109854	0.299521	0.528382	0
TMEM128	-0.1502	0.299748	0.528712	0
RRAD	-0.25764	0.299815	0.528761	0
FCHSD2	-0.1073	0.299899	0.528791	0
PWP2	0.124771	0.299947	0.528791	0
PCTP	0.113989	0.299995	0.528791	0
SLC22A5	-0.11111	0.300016	0.528791	0
SLC16A13	0.128076	0.300086	0.528791	0
UQCRC2	-0.08714	0.300102	0.528791	0
TARS2	0.08406	0.30011	0.528791	0

IMMP2L	0.120922	0.300172	0.528831	0
MARCKSL1	-0.08521	0.300332	0.528984	0
TOB2	0.081825	0.300338	0.528984	0
AC002467	0.279591	0.300379	0.528987	0
ABCC5	-0.09758	0.300439	0.529021	0
AC083805	-0.20027	0.300659	0.529216	0
GPN2	0.096039	0.300702	0.529216	0
AFAP1	-0.11217	0.300725	0.529216	0
CAMK2G	0.089177	0.300823	0.529216	0
SLC45A4	-0.11032	0.300829	0.529216	0
BOLA1	0.104066	0.300857	0.529216	0
C19orf38	0.28856	0.300883	0.529216	0
COMT	0.102512	0.3009	0.529216	0
HBS1L	-0.10731	0.300937	0.529216	0
TNRC6B	-0.086	0.300946	0.529216	0
ELF2	-0.11775	0.301097	0.529389	0
DDX28	0.105737	0.301124	0.529389	0
ABRAXAS1	0.131643	0.301332	0.529621	0
LENG8	-0.09883	0.301347	0.529621	0
CXorf56	0.10738	0.301396	0.529621	0
POLRMTP1	0.223668	0.301415	0.529621	0
B4GALNT4	0.089757	0.301551	0.52979	0
HBP1	0.116312	0.30166	0.529912	0
GCA	-0.20016	0.301899	0.530262	0
KRT8P33	-0.32654	0.301966	0.530309	0
ZNF74	0.088208	0.302032	0.530317	0
MAPK7	0.123525	0.30205	0.530317	0
RNF145	-0.10528	0.302313	0.530709	0
C12orf49	-0.10428	0.302369	0.530738	0
YTHDC2	-0.10643	0.302528	0.530948	0
EFCAB7	0.203614	0.302706	0.531141	0
LPAR3	-0.19041	0.302745	0.531141	0
ORC1	-0.09864	0.302758	0.531141	0
TMEM87B	-0.10588	0.302892	0.531276	0
ATP11B	-0.11356	0.302915	0.531276	0
NOXA1	0.212483	0.303334	0.531883	0
C22orf39	0.104765	0.30334	0.531883	0
POPDC3	-0.10435	0.30338	0.531883	0
PCBP2	0.079715	0.303441	0.531919	0
NKRF	-0.11962	0.303573	0.53208	0
ZNF576	0.122113	0.303627	0.532106	0
AL355297	0.272966	0.303922	0.532552	0
ZNF317	0.089554	0.304049	0.532693	0
AL133216	0.196827	0.304146	0.532693	0

GTF3C4	-0.08904	0.304146	0.532693	0
INTS6	-0.11152	0.304162	0.532693	0
TNIP2	0.101366	0.304296	0.532857	0
ACO1	-0.08685	0.304397	0.532964	0
PDE6D	-0.10366	0.30445	0.532968	0
MTRF1L	-0.21263	0.304479	0.532968	0
AKR1C3	-0.276	0.304554	0.533029	0
HES4	-0.16776	0.304689	0.533197	0
SNX29	0.120671	0.304787	0.533297	0
ANGPTL2	0.100064	0.30488	0.533382	0
LRRC37A3	-0.1937	0.304927	0.533382	0
CHST14	0.098212	0.304955	0.533382	0
RAD51-AS1	-0.14455	0.305007	0.533402	0
RAB39A	-0.24767	0.305119	0.533529	0
COPS4	0.106599	0.30518	0.533565	0
SLC1A5	0.081442	0.305267	0.533647	0
ZNF710-AS1	0.245239	0.305473	0.533814	0
AC133552	0.320261	0.305478	0.533814	0
AC126755	0.208087	0.305482	0.533814	0
WNK3	-0.17932	0.305548	0.533858	0
AL627309	0.236856	0.305611	0.533898	0
MAP3K9	-0.10276	0.305688	0.533962	0
AL049840	-0.19795	0.305801	0.534091	0
WASH9P	-0.20528	0.305911	0.534164	0
NBL1	0.11409	0.305923	0.534164	0
SLC20A2	-0.10126	0.305979	0.534174	0
CMSS1	-0.12139	0.306033	0.534174	0
FIG4	-0.17285	0.306077	0.534174	0
ACACB	0.091577	0.30616	0.534174	0
ZNF92	-0.21382	0.306161	0.534174	0
ASS1	0.234227	0.306169	0.534174	0
RFNG	0.093158	0.306455	0.534578	0
SCARF1	0.177289	0.306518	0.534578	0
C12orf65	-0.10751	0.306521	0.534578	0
HOXD11	-0.1554	0.306602	0.534622	0
AL357079	-0.22342	0.306627	0.534622	0
CKLF	0.124227	0.30678	0.534784	0
GEMIN5	-0.09084	0.306812	0.534784	0
NUS1	-0.12375	0.30684	0.534784	0
TIMM50	0.085655	0.306959	0.534826	0
RABGAP1	-0.09761	0.30698	0.534826	0
TRPC1	-0.14714	0.306985	0.534826	0
SCOC	0.141835	0.307132	0.535013	0
MUC3A	0.240985	0.307208	0.535076	0

NACC1	0.089576	0.307361	0.535235	0
HEMK1	0.116334	0.30743	0.535235	0
EBAG9	-0.12969	0.307433	0.535235	0
AL445524.	0.198914	0.30746	0.535235	0
AP000866.	-0.26027	0.307589	0.535389	0
RPAIN	-0.09719	0.307726	0.535499	0
EMP2	-0.09367	0.307732	0.535499	0
FTO	-0.10953	0.307821	0.535583	0
LRRC29	0.270464	0.307867	0.535594	0
AL590064.	-0.19895	0.308031	0.535808	0
TWIST1	-0.11089	0.308147	0.535907	0
AC087343.	0.182126	0.308187	0.535907	0
TBXA2R	0.128226	0.308208	0.535907	0
AL157392.	-0.2033	0.308278	0.535958	0
NFS1	0.092901	0.308376	0.53606	0
DES	0.212271	0.308585	0.536353	0
MAU2	0.08659	0.3087	0.536462	0
SLC9A4	-0.11609	0.308728	0.536462	0
LIX1L	-0.08258	0.308809	0.536533	0
LTA4H	-0.09115	0.308929	0.536613	0
MRPL19	-0.11431	0.308953	0.536613	0
AC090517.	-0.28231	0.308976	0.536613	0
TMCO4	0.105817	0.309054	0.536678	0
AC023157.	0.28569	0.309166	0.536792	0
DCLRE1C	-0.12183	0.309276	0.536792	0
AP5B1	-0.0903	0.309285	0.536792	0
HNRNPH2	-0.10874	0.309291	0.536792	0
FEZ1	0.194237	0.309336	0.536792	0
KLHL11	-0.14891	0.309368	0.536792	0
XRCC3	0.1	0.309401	0.536792	0
ARMC9	0.079985	0.309449	0.536805	0
MC1R	0.130313	0.309527	0.536871	0
LRRC1	-0.21379	0.309605	0.536914	0
BEND4	-0.15043	0.30965	0.536914	0
ACTB	0.075756	0.309673	0.536914	0
UFM1	-0.09381	0.309788	0.536928	0
VAC14	0.086534	0.309792	0.536928	0
STRIP1	0.082937	0.309879	0.536928	0
SLC35E2A	-0.1243	0.309922	0.536928	0
RPP14	-0.11165	0.309922	0.536928	0
POLA2	-0.13533	0.309936	0.536928	0
RAB11FIP4	0.103337	0.31	0.536928	0
SNRPA1	-0.10401	0.310003	0.536928	0
USP37	-0.12443	0.310257	0.537299	0

PGAP2	0.093449	0.310386	0.537392	0
TNRC6C	-0.09701	0.310472	0.537392	0
CES2	0.086014	0.310493	0.537392	0
ERVV-2	0.306107	0.310501	0.537392	0
RPS19P7	0.274433	0.310538	0.537392	0
SLIT3	0.208344	0.310553	0.537392	0
PSPC1	0.094113	0.310602	0.537396	0
AC073365	0.212929	0.310676	0.537396	0
HAUS4	0.1065	0.310676	0.537396	0
CLUHP3	-0.11499	0.310722	0.537405	0
PSMD9	0.110643	0.31077	0.537419	0
CS	-0.07948	0.310893	0.537561	0
CCNE2	-0.24836	0.311056	0.537705	0
RFC2	0.085217	0.311057	0.537705	0
NFRKB	-0.08596	0.311127	0.537757	0
SLC25A43	-0.11884	0.311384	0.538132	0
MICOS10	-0.15436	0.311541	0.538234	0
SNORD68	0.268941	0.311545	0.538234	0
SNORA73A	-0.24212	0.311565	0.538234	0
EDEM3	-0.12542	0.311615	0.538251	0
NIFK-AS1	-0.13096	0.311821	0.538537	0
BDH1	0.229523	0.312038	0.538842	0
CLEC16A	-0.09398	0.312172	0.538986	0
TJAP1	0.094429	0.312202	0.538986	0
CFAP20	0.092895	0.312317	0.539115	0
DDX41	0.081492	0.31251	0.539378	0
AURKAIP1	0.084207	0.312624	0.539427	0
ASPRV1	0.193719	0.312655	0.539427	0
NRTN	0.137539	0.312681	0.539427	0
ELAC1	-0.22147	0.3127	0.539427	0
UBE2F	-0.12788	0.312857	0.539589	0
ASB3	-0.11579	0.312902	0.539589	0
NPAS2	-0.13079	0.312916	0.539589	0
CMC1	0.141685	0.313083	0.539749	0
RAB40B	-0.08905	0.313089	0.539749	0
MARCH5	-0.10058	0.313189	0.53984	0
ZNF782	-0.24153	0.313223	0.53984	0
SDHA	0.104395	0.313297	0.539867	0
RPL3P2	0.217804	0.31332	0.539867	0
AL118516	0.179532	0.313667	0.540366	0
IGF2BP1	-0.07614	0.31369	0.540366	0
AKIP1	0.095531	0.313818	0.540517	0
DOCK7	-0.10023	0.313925	0.540631	0
MRPL13	-0.11995	0.313993	0.540677	0

STARD3NL	-0.11291	0.314109	0.540706	0
UGGT2	-0.15958	0.314167	0.540706	0
TNRC18	0.086345	0.314178	0.540706	0
ZFAND6	-0.11804	0.314208	0.540706	0
SELENOT	-0.1044	0.314212	0.540706	0
C7orf26	0.104857	0.314385	0.540927	0
BX537318	-0.24214	0.314449	0.540927	0
TMOD2	-0.13013	0.314462	0.540927	0
AC008055	0.206878	0.315027	0.541775	0
TMOD3	-0.10566	0.315037	0.541775	0
FJX1	-0.10838	0.315188	0.541904	0
BACH1	-0.12843	0.315193	0.541904	0
AMER1	-0.08684	0.315398	0.54213	0
TRIM41	0.095984	0.315408	0.54213	0
ALKBH6	0.230461	0.315446	0.54213	0
CHAF1A	-0.08684	0.315562	0.542259	0
FASTKD2	-0.13039	0.315887	0.542635	0
IRAK4	-0.14837	0.315917	0.542635	0
DNAJB12	0.087829	0.315942	0.542635	0
CA4	0.219601	0.315944	0.542635	0
ZNF710	0.103117	0.316101	0.542659	0
MARCH8	-0.11269	0.316117	0.542659	0
TCIRG1	0.102223	0.31612	0.542659	0
ARMC10	-0.12335	0.316135	0.542659	0
AC010680	-0.28401	0.316214	0.542659	0
ZFP14	0.165635	0.31632	0.542659	0
EEF1B2P6	0.203815	0.316349	0.542659	0
CAP1	-0.0822	0.316361	0.542659	0
HOXD4	-0.21883	0.316416	0.542659	0
NME6	0.102115	0.316455	0.542659	0
SEMA4A	0.197478	0.316467	0.542659	0
AC004069	-0.26913	0.316476	0.542659	0
MAP2K3	0.098945	0.316486	0.542659	0
ENO1	0.079625	0.316597	0.542672	0
PRAG1	-0.18204	0.316601	0.542672	0
DDN-AS1	0.107742	0.316617	0.542672	0
RHOT2	0.082332	0.316835	0.542977	0
KLHL36	-0.09339	0.316948	0.543033	0
DDX23	0.08084	0.316949	0.543033	0
CENPQ	0.265878	0.317068	0.543123	0
AC008163	-0.21117	0.31712	0.543123	0
SLC48A1	0.114887	0.317124	0.543123	0
SLC16A1-A	-0.11045	0.317173	0.543137	0
STT3B	-0.09747	0.317237	0.543177	0

THSD4	-0.13571	0.317406	0.543397	0
SAFB	-0.08734	0.31751	0.543456	0
CCNQ	0.10639	0.317547	0.543456	0
DERL3	0.097229	0.317563	0.543456	0
ARL5A	-0.10409	0.317672	0.543574	0
ZBTB24	-0.15941	0.31778	0.543688	0
CBLL1	-0.12269	0.317898	0.54375	0
RBM17P4	-0.17084	0.317957	0.54375	0
PLEKHB2	-0.08106	0.317986	0.54375	0
FAHD1	-0.10231	0.318	0.54375	0
C1GALT1	-0.15486	0.318033	0.54375	0
LINC01278	0.108918	0.318061	0.54375	0
RPL10A	0.077759	0.318171	0.543776	0
RFC1	-0.10498	0.318231	0.543776	0
OAF	0.117741	0.318233	0.543776	0
CDC14B	-0.11136	0.318239	0.543776	0
AC064807	0.231032	0.31835	0.543896	0
OCA2	0.229226	0.318429	0.543908	0
ARMC12	0.215709	0.31845	0.543908	0
NBPF25P	-0.30078	0.31848	0.543908	0
MALSU1	-0.11295	0.318531	0.543913	0
ARHGEF3	-0.15772	0.318564	0.543913	0
FUCA1	0.105734	0.318638	0.54397	0
ADRA2C	0.145064	0.31871	0.544023	0
AXIN1	0.089499	0.319021	0.544484	0
AP000347	-0.15185	0.319129	0.544598	0
NDFIP1	-0.07918	0.319264	0.544759	0
ERMARD	-0.12437	0.31942	0.544956	0
METTL6	-0.12494	0.319651	0.545185	0
PCDHGA10	0.193201	0.319661	0.545185	0
AC083799	-0.2072	0.319677	0.545185	0
TES	-0.27118	0.319878	0.545458	0
PDE3A	-0.26134	0.320158	0.545807	0
NHP2	0.078245	0.320165	0.545807	0
CHKA	-0.10606	0.320288	0.545933	0
TENM3	-0.09077	0.32032	0.545933	0
AC016727	0.218875	0.320405	0.54594	0
USP27X	0.112553	0.320407	0.54594	0
APH1B	-0.11934	0.320582	0.546169	0
TRMT1	0.089158	0.320686	0.546224	0
OFD1	-0.12553	0.320762	0.546224	0
CD4	-0.23464	0.320823	0.546224	0
EEF1A1P13	-0.20715	0.320836	0.546224	0
BAHCC1	-0.17614	0.32089	0.546224	0

CTCF	-0.09312	0.320904	0.546224	0
COPS2	0.109747	0.320984	0.546224	0
SPRY4-AS1	0.17594	0.320993	0.546224	0
AC073111	-0.23787	0.321022	0.546224	0
SLC9A1	0.096241	0.321063	0.546224	0
ADAM8	0.108979	0.321065	0.546224	0
TTC23	-0.09836	0.321193	0.546266	0
ZFYVE9	-0.09812	0.321218	0.546266	0
FAM157A	-0.18684	0.321225	0.546266	0
TRIM11	0.082652	0.321253	0.546266	0
PRMT5	0.07687	0.321392	0.546433	0
CCNB3	-0.2056	0.321459	0.546462	0
TAZ	0.101112	0.321492	0.546462	0
NSUN5P1	-0.1404	0.321592	0.546563	0
NEK9	-0.08141	0.321707	0.546688	0
TRAK1	-0.08709	0.322187	0.547296	0
C11orf87	-0.22395	0.322198	0.547296	0
DERA	-0.10761	0.322214	0.547296	0
AKR1B1	0.09449	0.322246	0.547296	0
EPHX4	-0.3313	0.32227	0.547296	0
EP300	-0.07878	0.322401	0.54745	0
CD59	0.079105	0.322559	0.547599	0
SPTY2D10	-0.22829	0.322571	0.547599	0
EMC6	0.095354	0.322717	0.547707	0
PET117	-0.1934	0.322749	0.547707	0
EIF1B-AS1	0.218662	0.32277	0.547707	0
GALNT10	-0.09176	0.322805	0.547707	0
TWINK	0.087814	0.322851	0.547707	0
STARD7-AS1	-0.12158	0.322941	0.547707	0
ACTA2	0.112842	0.322943	0.547707	0
AL391825	0.200456	0.322997	0.547707	0
C17orf97	0.112483	0.323005	0.547707	0
HECTD1	-0.10546	0.323161	0.547834	0
TEKT5	0.23853	0.323161	0.547834	0
WAS	-0.2982	0.323422	0.548206	0
LINC01139	0.11835	0.323567	0.548213	0
CCNG2	-0.10175	0.323568	0.548213	0
FSTL3	0.181877	0.323614	0.548213	0
PPIP5K1	0.093057	0.323632	0.548213	0
HS3ST6	0.246465	0.323632	0.548213	0
C1orf35	0.098635	0.323909	0.548613	0
PWAR5	0.30082	0.324048	0.548779	0
RBM26	-0.09745	0.32432	0.549111	0
MMUT	-0.11903	0.324327	0.549111	0

PCDHA12	-0.29495	0.324369	0.549112	0
CRB2	0.175336	0.324492	0.549252	0
AC104794	0.17727	0.324736	0.549594	0
ATP6V1G1	-0.08886	0.324833	0.54968	0
GPHN	-0.09423	0.324869	0.54968	0
KLHL13	-0.10824	0.324933	0.549719	0
PARPBP	-0.16062	0.325172	0.550053	0
ASB8	-0.10819	0.325252	0.550119	0
ZNF639	-0.11003	0.325376	0.550258	0
MEST	-0.16139	0.325425	0.550265	0
CHMP3	-0.09179	0.325462	0.550265	0
MGAT5	-0.07937	0.325596	0.550421	0
CHIC2	-0.17521	0.325744	0.550598	0
ZDHH14	0.126771	0.325783	0.550598	0
FKBP4	0.076616	0.325833	0.550613	0
WDR37	-0.11103	0.32591	0.550642	0
CCNT2	-0.12251	0.325962	0.550642	0
KIAA1614	-0.20476	0.325975	0.550642	0
TMEM51	-0.12208	0.326173	0.550908	0
AC083964	-0.28306	0.326241	0.550945	0
SLC39A4	0.100806	0.326278	0.550945	0
ZNF774	0.167728	0.326418	0.551067	0
YBX2	0.246469	0.326432	0.551067	0
UTP18	-0.09551	0.326491	0.551095	0
AL450998	-0.18082	0.326592	0.551196	0
CHP1	0.079134	0.326674	0.551266	0
DDX18	-0.10056	0.326781	0.551346	0
FNBP1L	-0.1372	0.326805	0.551346	0
FAN1	-0.09863	0.326942	0.551508	0
DDX50	-0.11857	0.327035	0.551594	0
ITGB3BP	0.158881	0.32718	0.551762	0
MORC4	-0.13551	0.327217	0.551762	0
ADPRHL1	0.131846	0.327374	0.551904	0
ZEB1-AS1	-0.1602	0.327387	0.551904	0
CORO1C	-0.07907	0.327464	0.551904	0
EIF3FP3	0.25712	0.327501	0.551904	0
C8orf37	-0.15368	0.327508	0.551904	0
SCAMP1	-0.11053	0.327765	0.552266	0
GYG1	-0.09481	0.327986	0.552569	0
CDC25A	-0.09072	0.32809	0.552611	0
ARRDC1	0.109808	0.328093	0.552611	0
RMC1	-0.11003	0.32815	0.552637	0
SPP1	0.207993	0.32873	0.553494	0
FNDC10	0.109936	0.328749	0.553494	0

TCAF1	-0.11501	0.328784	0.553494	0
RDH12	0.225031	0.328866	0.553562	0
TULP4	-0.1023	0.328988	0.553699	0
AL121832.	0.19159	0.329064	0.553754	0
NFYC	-0.07898	0.329104	0.553754	0
MAMDC4	-0.13133	0.329195	0.553815	0
HLX	0.246192	0.329223	0.553815	0
AL021707.	-0.28243	0.329312	0.553863	0
ARIH2OS	0.227861	0.329335	0.553863	0
HOXB13	0.114281	0.329819	0.554539	0
SEC23A	-0.09856	0.32982	0.554539	0
WARS2-AS	0.126851	0.329951	0.554689	0
FITM2	0.113954	0.330271	0.555048	0
REPIN1	0.083271	0.330288	0.555048	0
PLEKHA5	-0.13378	0.33029	0.555048	0
MTMR4	-0.076	0.330387	0.555084	0
DALRD3	0.099784	0.330413	0.555084	0
LTO1	-0.11831	0.330437	0.555084	0
AL121603.	0.195516	0.330477	0.555084	0
GBGT1	0.239463	0.330953	0.555813	0
RABEP1	-0.10138	0.33107	0.55594	0
NSD3	-0.10843	0.331251	0.556173	0
MCM3	-0.07435	0.331478	0.556484	0
RUVBL1	0.075584	0.331569	0.556567	0
ZBTB39	-0.0919	0.331616	0.556576	0
RNF121	0.093341	0.331849	0.556877	0
TMEM65	-0.1366	0.331879	0.556877	0
ZNF799	-0.20539	0.332106	0.557187	0
GTF2IP13	-0.14099	0.332222	0.557274	0
SRSF6	-0.08638	0.332241	0.557274	0
SPTY2D1	-0.10685	0.332366	0.557381	0
PNPLA3	0.11753	0.332389	0.557381	0
ADNP	-0.08312	0.332511	0.557463	0
ZNF8	-0.10892	0.332521	0.557463	0
MSI2	-0.08734	0.332803	0.557572	0
MPC1	-0.12222	0.332812	0.557572	0
RAP2B	-0.10146	0.332813	0.557572	0
BCL3	0.122041	0.332853	0.557572	0
TMCC1	-0.11864	0.332872	0.557572	0
WDR88	0.219685	0.332885	0.557572	0
NXT1	0.100182	0.332916	0.557572	0
MST1P2	-0.22509	0.33292	0.557572	0
DIP2A	-0.10029	0.333007	0.557647	0
NBPF15	-0.10836	0.333054	0.557655	0

TAX1BP3	-0.16325	0.333438	0.55815	0
CRADD	-0.1464	0.333444	0.55815	0
IQCG	0.191473	0.333475	0.55815	0
ATG16L1	0.090151	0.333829	0.558673	0
STAT3	0.07588	0.333922	0.558758	0
LAS1L	-0.08334	0.334027	0.558863	0
AC138207	0.231568	0.334077	0.558878	0
HPCAL1	0.10543	0.334214	0.558888	0
AC026273	0.153694	0.334219	0.558888	0
TMCO6	0.098831	0.334221	0.558888	0
ADCY6	0.085844	0.334251	0.558888	0
AC132872	-0.22605	0.334323	0.558937	0
PSMA7	-0.07579	0.334666	0.55939	0
MBNL2	0.24694	0.334681	0.55939	0
LCN15	0.182471	0.334728	0.55939	0
LRRC37B	-0.12977	0.334761	0.55939	0
NAPSA	0.196423	0.334985	0.559693	0
MAP1LC3E	-0.0842	0.335056	0.559742	0
RNF103	-0.10926	0.33511	0.559762	0
NOL6	0.082097	0.335307	0.560021	0
AC087645	0.22805	0.335409	0.560122	0
HNRNPR	-0.08738	0.335564	0.56031	0
SETD7	-0.09578	0.33561	0.560317	0
SPPL2B	0.096409	0.335732	0.560416	0
MAP3K14-	0.1327	0.335772	0.560416	0
MTF1	-0.12526	0.335796	0.560416	0
MIR100HC	-0.08854	0.336041	0.560755	0
ACADSB	-0.11568	0.336149	0.560865	0
AC084824	-0.24016	0.336245	0.560955	0
RIPOR1	0.092251	0.336313	0.560999	0
SUSD2	0.189239	0.336445	0.561148	0
TPM1	-0.11229	0.336643	0.561342	0
RPLP1P6	-0.25673	0.336645	0.561342	0
HHAT	0.096613	0.336736	0.561423	0
ZNF384	0.080557	0.336864	0.561566	0
OLFM2	0.101411	0.337049	0.561805	0
ZBTB43	-0.13768	0.337127	0.561864	0
RABIF	-0.1019	0.337238	0.561979	0
PUDP	-0.10428	0.337315	0.562024	0
AC245452	-0.1989	0.337349	0.562024	0
GEMIN4	0.081102	0.337423	0.562035	0
GPR173	0.122646	0.33747	0.562035	0
AP3B1	-0.10348	0.337482	0.562035	0
SH3GLB1	-0.10368	0.337528	0.562041	0

FBXW7	-0.11095	0.33765	0.562167	0
NCDN	0.087441	0.337688	0.562167	0
C16orf86	0.133557	0.337806	0.562217	0
KIAA1257	0.158453	0.337832	0.562217	0
ZC3H8	-0.11851	0.337845	0.562217	0
ZSCAN29	-0.10865	0.337906	0.562249	0
TP53I3	0.079859	0.338126	0.562545	0
LIPT2	0.175463	0.338486	0.563074	0
RPL13AP7	0.228539	0.338552	0.563082	0
LATS1	-0.10059	0.338575	0.563082	0
ZMYM6	-0.19546	0.338769	0.563333	0
YIPF6	-0.09863	0.338955	0.563572	0
RHPN2	-0.11042	0.339038	0.563641	0
ZNF202	-0.09892	0.339141	0.563731	0
PSRC1	-0.0753	0.339177	0.563731	0
MLEC	0.071428	0.339998	0.564979	0
MEF2D	0.078342	0.340013	0.564979	0
ZNF682	-0.29764	0.34015	0.565136	0
PDLIM1	0.275238	0.340417	0.565437	0
RAVER1	0.08566	0.340447	0.565437	0
BECN1	-0.09049	0.340458	0.565437	0
CYB561	0.085317	0.340529	0.565485	0
PCDHB14	-0.13886	0.340648	0.565612	0
FAM131A	0.104166	0.340698	0.565624	0
HK1	0.075211	0.340771	0.565674	0
AL354751.	-0.3051	0.340913	0.565778	0
PDP1	-0.16002	0.340979	0.565778	0
NOTCH2NI	0.251403	0.341009	0.565778	0
FANCA	-0.08316	0.341041	0.565778	0
AC009041.	-0.29734	0.341046	0.565778	0
FAM53B	0.089341	0.341131	0.565786	0
ANKRD44	-0.17532	0.341135	0.565786	0
AC008875.	0.295111	0.341202	0.565826	0
YTHDF1	0.079193	0.341265	0.565861	0
AC010913.	0.269672	0.341542	0.566183	0
MRPS17	0.11504	0.341544	0.566183	0
RPUSD2	0.104882	0.341772	0.566489	0
KDM4C	-0.10107	0.341824	0.566506	0
SPATA25	0.240497	0.341919	0.566526	0
ZNF157	-0.13382	0.341934	0.566526	0
AC093827.	-0.27676	0.341964	0.566526	0
FGFR1	0.079881	0.342149	0.566763	0
ROBO1	-0.08603	0.342194	0.566766	0
NDUFS3	0.07715	0.342241	0.566774	0

HIBADH	-0.09988	0.342409	0.566893	0
ADD1	0.074396	0.34244	0.566893	0
PFDN2	-0.08003	0.342494	0.566893	0
ABCA2	0.087271	0.342498	0.566893	0
HSP90AB3	0.209963	0.342525	0.566893	0
SOWAHC	-0.09585	0.34289	0.567413	0
RPL34	0.099421	0.342924	0.567413	0
ZNF761	-0.14339	0.343065	0.567514	0
CWC25	-0.10191	0.343071	0.567514	0
STK24	-0.07402	0.34312	0.567524	0
MYOF	-0.08709	0.343171	0.567539	0
RAB11FIP2	-0.12736	0.343255	0.567596	0
QPCTL	0.091929	0.343357	0.567596	0
PPP1CB	-0.09989	0.343366	0.567596	0
CNOT3	0.078634	0.343376	0.567596	0
IFT81	-0.1457	0.343452	0.567651	0
ZNF280A	-0.19879	0.343523	0.567698	0
HNRNPK	-0.07514	0.343729	0.567969	0
TFPI	-0.13629	0.343867	0.568004	0
TRIM9	-0.19809	0.343879	0.568004	0
PRPS1	-0.07869	0.343999	0.568004	0
CORO7	-0.12299	0.344022	0.568004	0
EHD3	0.082699	0.344026	0.568004	0
COQ3	-0.13777	0.344055	0.568004	0
DCP1B	0.126176	0.34422	0.568004	0
ZBED3	-0.11586	0.344316	0.568004	0
SAXO2	-0.20927	0.344332	0.568004	0
MCCC1	-0.09451	0.344361	0.568004	0
FOXN2	-0.13547	0.344407	0.568004	0
SLC25A25	-0.17841	0.344412	0.568004	0
COMMD8	0.184123	0.344467	0.568004	0
AC132192	-0.25899	0.344474	0.568004	0
RAB3A	0.132054	0.344478	0.568004	0
MRPS10	-0.1147	0.344484	0.568004	0
SEC11A	0.082582	0.344527	0.568004	0
VMAC	0.160739	0.34455	0.568004	0
CILP2	0.099242	0.34456	0.568004	0
AC010478	0.205406	0.34469	0.568148	0
PAXBP1-A	-0.24722	0.344836	0.568274	0
POGLUT2	-0.10471	0.344851	0.568274	0
ZNF529	-0.15711	0.344923	0.568322	0
PAK4	0.08383	0.34516	0.568642	0
POLR3K	0.094557	0.34524	0.568704	0
KLHL42	-0.08506	0.345309	0.568746	0

PIAS3	0.074889	0.34553	0.569041	0
SCN3A	-0.08852	0.346003	0.569639	0
SLC16A10	-0.15066	0.346013	0.569639	0
YWHAE	-0.08379	0.346022	0.569639	0
AC048341	-0.20052	0.346094	0.569687	0
NCOR2	0.078579	0.346137	0.569688	0
AC007686	-0.25026	0.346248	0.5698	0
C17orf58	-0.10177	0.346523	0.570182	0
HOXD8	0.217135	0.346574	0.570196	0
KCTD20	-0.08062	0.346676	0.570238	0
ARG2	-0.08546	0.34676	0.570238	0
KPNA5	-0.21469	0.346774	0.570238	0
DDX11	-0.08998	0.346797	0.570238	0
MRS2	-0.10145	0.346883	0.570238	0
SUPT7L	-0.08433	0.346891	0.570238	0
HEATR3	-0.09007	0.346898	0.570238	0
HMGCR	-0.08593	0.347253	0.57075	0
TDP2	-0.10661	0.347598	0.571106	0
VAMP3	-0.10349	0.347706	0.571106	0
CEP83	-0.19336	0.34771	0.571106	0
IER3	0.092259	0.347778	0.571106	0
CUL5	-0.12499	0.347804	0.571106	0
RCC1L	0.076536	0.347805	0.571106	0
RIOK2	-0.12666	0.347808	0.571106	0
AC008608	0.268128	0.347815	0.571106	0
SETP14	-0.28642	0.347855	0.571106	0
HABP4	-0.09821	0.347978	0.571235	0
SMIM10L2	0.272706	0.34802	0.571235	0
AL158206	-0.21011	0.34829	0.57161	0
AC012055	0.165429	0.348551	0.571958	0
XRRA1	0.097897	0.348589	0.571958	0
LINC01060	0.1589	0.348645	0.57198	0
PTOV1-AS1	-0.13987	0.348709	0.571998	0
CWF19L1	-0.08802	0.348742	0.571998	0
ACTR3B	-0.10206	0.348824	0.572063	0
SERPINB2	0.158631	0.34891	0.572134	0
SIPA1	0.087379	0.34905	0.572293	0
DOCK5	-0.11063	0.349135	0.572309	0
MED22	0.079529	0.349146	0.572309	0
TMA16	0.123047	0.349232	0.57238	0
MAST2	0.076005	0.349338	0.572482	0
HIC2	0.086846	0.349419	0.572545	0
UCK2	-0.07048	0.349497	0.572604	0
BCDIN3D-1	0.246598	0.349625	0.572704	0

LRR8A	0.081982	0.349644	0.572704	0
MAGOHB	-0.14154	0.349957	0.573145	0
PRIM1	-0.12493	0.350066	0.573189	0
FAM13A	-0.09729	0.350069	0.573189	0
MRPL32	0.099874	0.350212	0.573352	0
CANX	-0.07989	0.350288	0.573405	0
TMSB4XP8	-0.15914	0.350443	0.573544	0
PCGF3	-0.08907	0.350459	0.573544	0
SPRY2	-0.07093	0.350515	0.573566	0
AL352979.	-0.27868	0.350595	0.573578	0
MID1	-0.07967	0.350619	0.573578	0
ATMIN	-0.09373	0.350651	0.573578	0
SYCE1L	0.275055	0.350889	0.573896	0
RBM5	-0.07776	0.350978	0.573971	0
FIZ1	0.097035	0.351113	0.574121	0
CDC42	-0.08548	0.351163	0.574133	0
AC142472.	-0.21369	0.351413	0.574404	0
ECM1	-0.21096	0.351415	0.574404	0
ANKRD37	0.152527	0.351473	0.574429	0
MPHOSPH	-0.12418	0.351519	0.574433	0
TMEM150	0.175008	0.35167	0.574547	0
MANBA	-0.09464	0.351675	0.574547	0
KCNC3	0.09682	0.35189	0.574828	0
TBCEL	-0.12374	0.352006	0.574948	0
MRM3	0.088853	0.352411	0.575538	0
SEC22B	-0.09282	0.352484	0.575587	0
CEP131	0.083304	0.352545	0.575616	0
KLHL20	-0.1052	0.352641	0.575703	0
TMEM14C	0.07643	0.352726	0.575771	0
LGMM	0.083029	0.35283	0.57587	0
MAPKAP1	-0.07948	0.352966	0.575941	0
PDCD2	0.073553	0.353016	0.575941	0
AC093582.	-0.28815	0.353023	0.575941	0
GSE1	-0.07631	0.353046	0.575941	0
AC068473.	-0.16204	0.353192	0.576109	0
TAF3	-0.10617	0.353532	0.57641	0
LANCL2	0.095253	0.353571	0.57641	0
GALNT1	-0.10471	0.353573	0.57641	0
MPC2	0.075511	0.353582	0.57641	0
SNHG16	-0.0795	0.353593	0.57641	0
PGAP1	-0.11092	0.353811	0.57663	0
MBTPS1	0.070531	0.353815	0.57663	0
MT-CO1	0.069459	0.353904	0.576648	0
CHD2	-0.07711	0.353919	0.576648	0

HGS	0.074191	0.353972	0.576648	0
CKAP4	0.07142	0.354018	0.576648	0
SLX4IP	-0.1311	0.354042	0.576648	0
FRMD4A	-0.14004	0.354185	0.576811	0
AC080112	0.131331	0.354324	0.576967	0
ZNF552	-0.13067	0.354388	0.577001	0
TOR4A	0.137312	0.354622	0.577311	0
GNPDA2	-0.13391	0.35483	0.577521	0
CLCF1	0.178597	0.354838	0.577521	0
PIK3R1	-0.1182	0.354917	0.577579	0
EYA4	-0.08145	0.35532	0.578158	0
RDH10	-0.0773	0.355359	0.578158	0
ICK	-0.12009	0.355752	0.578726	0
ZNF780B	-0.1355	0.356011	0.579078	0
SEC61A2	-0.10583	0.356082	0.579084	0
SNX21	0.086497	0.356104	0.579084	0
SCARB2	-0.08532	0.356145	0.579084	0
HAUS5	-0.09443	0.356332	0.579317	0
AC016394	-0.23853	0.356434	0.579368	0
ZNF765	-0.14942	0.356451	0.579368	0
AL360181	-0.24183	0.356649	0.579619	0
CYTH3	0.084203	0.356698	0.579628	0
ZC3H12C	0.199665	0.356861	0.579824	0
HERC2	-0.07417	0.35693	0.579864	0
CAMK2B	0.198585	0.357093	0.580034	0
AL590062	-0.26832	0.357204	0.580034	0
ZNF786	0.09232	0.357209	0.580034	0
NYAP1	0.106648	0.357228	0.580034	0
ZNF239	0.146984	0.357252	0.580034	0
ALDH3A2	-0.08299	0.357333	0.580095	0
SYT11	-0.10955	0.357558	0.580293	0
NLRP1	0.123835	0.357574	0.580293	0
DIXDC1	-0.09289	0.357605	0.580293	0
ST3GAL6	0.245821	0.357629	0.580293	0
SULT2B1	0.168203	0.357772	0.580392	0
RAB30	-0.15915	0.357841	0.580392	0
SUCLG2-A	-0.27781	0.357868	0.580392	0
PUM1	-0.07972	0.357889	0.580392	0
FCHO2	-0.1511	0.357908	0.580392	0
AVEN	0.101516	0.357999	0.580443	0
NRG1	0.199089	0.358026	0.580443	0
AP001453	0.1527	0.358432	0.580858	0
ZNF7	-0.09019	0.358488	0.580858	0
AC015982	0.23595	0.358502	0.580858	0

MICALL1	0.079975	0.358514	0.580858	0
LIAS	-0.12188	0.358583	0.580858	0
GPR37	-0.18716	0.358698	0.580858	0
OTUD6B	-0.13944	0.358699	0.580858	0
SRGAP2C	-0.1491	0.358708	0.580858	0
JAM3	-0.07396	0.358728	0.580858	0
KAT7	-0.07872	0.358759	0.580858	0
MOSPD2	-0.19148	0.358761	0.580858	0
HDDC2	0.096446	0.359065	0.581279	0
AC011476	0.166326	0.359177	0.581286	0
ZNF304	-0.11361	0.359225	0.581286	0
AC019068	-0.19585	0.359231	0.581286	0
SNRPC	0.077638	0.359244	0.581286	0
FOXA3	0.144205	0.359471	0.58155	0
RAD23A	0.07322	0.359494	0.58155	0
ARHGEF19	0.125194	0.359567	0.581597	0
RUFY1	0.089301	0.359616	0.581606	0
LINC02701	-0.14561	0.359698	0.581668	0
CBWD1	0.147084	0.360312	0.58259	0
FARP2	-0.09148	0.360404	0.582655	0
AC007952	0.22518	0.360439	0.582655	0
SLC9B1	-0.21708	0.360673	0.582833	0
MDH1B	0.201749	0.360722	0.582833	0
HPSE	-0.19659	0.360741	0.582833	0
HLA-B	0.118638	0.360766	0.582833	0
AL359513	-0.22161	0.360775	0.582833	0
IFITM1	0.085368	0.36086	0.582833	0
TUBB4B	0.072139	0.360927	0.582833	0
ZMYM4	-0.08439	0.360932	0.582833	0
TBX6	0.119154	0.360943	0.582833	0
BET1	-0.11032	0.361197	0.583173	0
AC106782	-0.24992	0.361263	0.583209	0
N4BP1	-0.08833	0.361501	0.583455	0
FADD	0.091292	0.361503	0.583455	0
TYRO3	0.087733	0.361617	0.583567	0
PPAN	-0.11873	0.361727	0.583675	0
MKNK1	-0.09727	0.361794	0.583713	0
AC023794	-0.22915	0.361849	0.583731	0
UBE2Q1	0.069196	0.36191	0.583758	0
PANK2	-0.09388	0.362034	0.583887	0
CCND2	-0.08569	0.36227	0.584198	0
SUGT1	-0.09661	0.362408	0.584337	0
CYP2D7	-0.24665	0.362468	0.584337	0
EPG5	-0.11141	0.362488	0.584337	0

TUBE1	-0.1926	0.362647	0.584522	0
PI15	-0.14463	0.36273	0.584586	0
ELAC2	0.07248	0.362817	0.584655	0
CHPT1	-0.09847	0.36293	0.584715	0
ZNF211	-0.10064	0.363014	0.584715	0
GARNL3	-0.16064	0.36302	0.584715	0
ACSL1	-0.09627	0.363029	0.584715	0
SCD	0.067464	0.363211	0.584937	0
PDLIM4	0.119627	0.363367	0.585117	0
SHB	0.167256	0.363457	0.585191	0
ART3	-0.28106	0.363673	0.585468	0
TCTEX1D2	0.228093	0.363736	0.585499	0
MKS1	0.087687	0.363797	0.585528	0
HAS3	-0.1249	0.36443	0.586401	0
SLC6A6	-0.08244	0.364454	0.586401	0
CROCCP2	-0.08734	0.364472	0.586401	0
ZBTB21	0.146506	0.364654	0.58647	0
RPS19P3	0.226927	0.364658	0.58647	0
PPME1	-0.07496	0.364675	0.58647	0
SLC25A15	-0.08109	0.364702	0.58647	0
AC005670	-0.08179	0.364767	0.58647	0
EPHA8	0.176733	0.364782	0.58647	0
CCND3	0.088434	0.364823	0.58647	0
TMUB2	0.087111	0.364924	0.586554	0
STIM1	0.080983	0.364963	0.586554	0
AL139287	-0.21553	0.365031	0.586593	0
KIAA1191	0.07	0.365588	0.587417	0
IL17D	0.219281	0.36579	0.587671	0
SRSF4	-0.0752	0.365907	0.587718	0
SPCS2	0.100424	0.365908	0.587718	0
ALDH5A1	-0.08427	0.365964	0.587738	0
FNIP1	-0.10729	0.366047	0.5878	0
CDKAL1	-0.12594	0.366161	0.587912	0
ZSCAN26	-0.12555	0.366352	0.588149	0
ACAP3	0.085031	0.366398	0.588151	0
TMX1	-0.10526	0.366467	0.588191	0
FTCD-AS1	0.20842	0.366678	0.588409	0
SERPINB9F	0.229418	0.366691	0.588409	0
FARS2	0.102245	0.36686	0.58861	0
MYC	0.069164	0.366985	0.588739	0
ATXN2L	0.068631	0.367065	0.588772	0
BMP2K	-0.13305	0.367094	0.588772	0
FAM86FP	0.23779	0.36717	0.588823	0
F12	0.092834	0.367513	0.589257	0

CSNK1E	-0.08329	0.367555	0.589257	0
LSM5	-0.11152	0.367573	0.589257	0
TM9SF4	0.070713	0.367814	0.589573	0
DUS3L	0.093891	0.368122	0.589995	0
IL17RA	0.085942	0.368331	0.59026	0
CABLES1	0.092392	0.368478	0.590424	0
CAMKK1	0.094154	0.368735	0.590764	0
VARS	0.07662	0.368875	0.590918	0
RPS8	0.070893	0.36896	0.590983	0
EIF2B2	0.086806	0.369038	0.591037	0
EIF3L	-0.07565	0.369232	0.591277	0
GOT1	0.071458	0.369317	0.591342	0
TMX4	-0.09007	0.369362	0.591342	0
AC025048	-0.22907	0.369408	0.591346	0
PFDN4	-0.13427	0.369863	0.591979	0
ARPC3	-0.0819	0.369907	0.591979	0
MTERF4	0.085088	0.369941	0.591979	0
AC022400	0.101775	0.369981	0.591979	0
SLC2A12	-0.13002	0.370181	0.592059	0
CCNDBP1	0.081142	0.370211	0.592059	0
ZNF616	-0.14628	0.370223	0.592059	0
KDM5A	-0.08794	0.370239	0.592059	0
MBOAT2	-0.10664	0.370253	0.592059	0
AP006623	0.25419	0.37038	0.59219	0
PROSER2	-0.11171	0.370593	0.59236	0
PRICKLE1	-0.17782	0.370613	0.59236	0
SAE1	0.070379	0.37062	0.59236	0
SLC10A7	-0.18058	0.37068	0.59238	0
LIG3	-0.07789	0.370747	0.59238	0
RPL10	0.076799	0.370765	0.59238	0
CWC22	-0.11017	0.371037	0.592744	0
TWIST2	-0.11166	0.371249	0.592934	0
TAF4	-0.10774	0.371283	0.592934	0
MTX2	-0.07809	0.37129	0.592934	0
TAF4B	-0.15338	0.371431	0.593089	0
CCDC142	0.084244	0.371575	0.593177	0
FAM53C	0.076984	0.371591	0.593177	0
CHSY3	-0.21399	0.37162	0.593177	0
SLC39A6	-0.09803	0.371744	0.593304	0
PGAM2	-0.20096	0.371916	0.593507	0
ZNF445	-0.08346	0.372009	0.593585	0
CERK	0.070693	0.372126	0.5937	0
FAM13B	-0.09942	0.372175	0.593708	0
UGP2	-0.09763	0.37224	0.593716	0

FREM1	-0.21832	0.37231	0.593716	0
MTAP	-0.09852	0.372313	0.593716	0
PHF14	-0.09047	0.372368	0.593732	0
ABCC6	-0.11919	0.372444	0.593782	0
N6AMT1	-0.09287	0.37266	0.593872	0
BACE1	-0.08144	0.372685	0.593872	0
SHOX2	-0.09387	0.372701	0.593872	0
HDGFL2	0.073097	0.372708	0.593872	0
SLC9A8	-0.10516	0.372724	0.593872	0
PRMT6	-0.08938	0.372827	0.593956	0
DUS1L	0.080951	0.372889	0.593956	0
ATP5MF	0.0816	0.37291	0.593956	0
ZNF608	0.25067	0.373125	0.594157	0
FICD	-0.16975	0.373125	0.594157	0
HOTAIR	-0.09777	0.373341	0.594369	0
INAFM2	-0.08676	0.373347	0.594369	0
NLGN3	0.112946	0.37354	0.594605	0
CARM1	0.07005	0.373642	0.594697	0
FAM78A	0.085936	0.373732	0.594712	0
COLGALT2	0.085569	0.373766	0.594712	0
TMEM50B	-0.09841	0.373786	0.594712	0
CDC42P6	0.246722	0.373868	0.594755	0
LUZP1	-0.08047	0.373902	0.594755	0
FAM177A1	0.091324	0.373986	0.594818	0
TRIM8	0.07927	0.374247	0.595161	0
RNF113A	0.095467	0.374337	0.595234	0
TUBA8	0.226022	0.374409	0.595277	0
TXNDC15	0.082027	0.374641	0.595575	0
AC011462	0.203207	0.374758	0.595626	0
SPATA24	0.133109	0.374806	0.595626	0
MIR762HC	-0.17811	0.374859	0.595626	0
ZNF430	-0.18483	0.374873	0.595626	0
MRPL1	0.12549	0.374896	0.595626	0
SYNM	-0.07685	0.374944	0.59563	0
TANC1	-0.08664	0.375058	0.595644	0
SARAF	-0.08499	0.3751	0.595644	0
FAM160A1	-0.20529	0.375148	0.595644	0
RPL23AP8	-0.13135	0.375195	0.595644	0
NPIPA1	0.230647	0.375203	0.595644	0
ZFH3	-0.06821	0.37522	0.595644	0
RBM22	-0.08161	0.375319	0.59573	0
KANK3	-0.24797	0.375393	0.595777	0
TBC1D10B	0.077836	0.375546	0.595949	0
PODNL1	0.138364	0.375823	0.596177	0

ERRFI1	-0.1195	0.375893	0.596177	0
STXBP1	0.0713	0.375921	0.596177	0
FHAD1	0.228011	0.375928	0.596177	0
CLPB	0.078818	0.376014	0.596177	0
RB1CC1	-0.13075	0.376021	0.596177	0
RPL22L1	0.087692	0.376054	0.596177	0
ZNF138	-0.18107	0.376057	0.596177	0
GBX2	-0.15234	0.376093	0.596177	0
ANP32B	-0.06929	0.376235	0.596225	0
HK2	-0.07711	0.376253	0.596225	0
ATP6V1G2	-0.25306	0.376296	0.596225	0
MECP2	-0.07336	0.376302	0.596225	0
YAE1	-0.13712	0.376369	0.59626	0
SPEG	0.157658	0.376418	0.596267	0
ALS2CL	-0.20161	0.376468	0.596275	0
RTN4RL2	-0.19557	0.376747	0.596579	0
AC007193	0.168274	0.376749	0.596579	0
NHLRC3	0.110766	0.376895	0.59674	0
ASB7	-0.10457	0.377251	0.597203	0
ZNF605	-0.10828	0.377307	0.597203	0
AL162458	-0.15922	0.377322	0.597203	0
DND1	-0.2535	0.377829	0.597924	0
TBC1D8	-0.09363	0.377882	0.597924	0
AL356488	0.107579	0.377913	0.597924	0
STON1	-0.11837	0.378199	0.598306	0
C1QBP	0.066554	0.378464	0.598605	0
RLIM	-0.10027	0.378478	0.598605	0
TGM1	0.220495	0.378713	0.598907	0
PPP1R35	0.094774	0.378761	0.598911	0
NCOA2	0.094328	0.378812	0.598921	0
CALU	-0.07693	0.378911	0.59895	0
LERFS	-0.19443	0.37892	0.59895	0
SEC14L2	0.119402	0.379044	0.599019	0
PPFIBP1	-0.08688	0.379054	0.599019	0
ACOT13	0.085813	0.379222	0.599214	0
SPEF2	0.180494	0.379304	0.599273	0
TMEM144	-0.13904	0.379518	0.599517	0
FBH1	0.07196	0.379549	0.599517	0
TOR2A	0.107413	0.379846	0.599916	0
ZSCAN31	-0.15797	0.380049	0.600134	0
CIRBP-AS1	0.221918	0.380074	0.600134	0
SCNN1D	-0.12666	0.380158	0.600194	0
ZNF444	0.081121	0.380394	0.600496	0
AC138627	0.194141	0.380487	0.600573	0

PWP1	-0.08215	0.380546	0.600594	0
SLC35A5	-0.12298	0.380739	0.600765	0
GNE	-0.08055	0.380771	0.600765	0
ATXN7L3	0.075189	0.380789	0.600765	0
ZBTB9	0.091386	0.380887	0.600847	0
KDM6B	0.076111	0.380942	0.600864	0
PHLDA1	-0.19796	0.381093	0.601031	0
CASKIN2	0.07971	0.381209	0.601104	0
AC112777	-0.15388	0.381258	0.601104	0
FEM1B	-0.10677	0.381275	0.601104	0
CLDN1	-0.18183	0.381362	0.601128	0
MAGEF1	-0.07571	0.38138	0.601128	0
BX322234	-0.23463	0.381688	0.601487	0
ZNF271P	-0.11966	0.381698	0.601487	0
PTPN2	-0.09882	0.381785	0.601552	0
THTPA	0.119396	0.382029	0.601867	0
MAGI1	-0.09089	0.38221	0.602016	0
NEPRO	-0.09804	0.382214	0.602016	0
ABHD14B	0.087511	0.38259	0.602418	0
LINS1	-0.14816	0.382629	0.602418	0
ZC2HC1A	0.143436	0.382641	0.602418	0
HBEGF	-0.27798	0.382651	0.602418	0
TNNC2	0.142388	0.38273	0.60243	0
NCL	-0.08115	0.382748	0.60243	0
EFL1	-0.11724	0.382976	0.602619	0
MED6	-0.11722	0.38303	0.602619	0
SERTAD2	-0.08049	0.383038	0.602619	0
NUFIP1	-0.13609	0.383049	0.602619	0
VPS52	0.070382	0.383136	0.602684	0
PRKAG1	0.078132	0.383258	0.602805	0
TFG	-0.07958	0.383484	0.60309	0
GLTP	0.09003	0.383567	0.603149	0
SBNO1-AS	-0.19747	0.383654	0.603215	0
PCBD2	-0.11699	0.38379	0.603358	0
HTATSF1	-0.08064	0.383879	0.603426	0
YARS2	-0.08533	0.383931	0.603437	0
MMP10	-0.12823	0.384013	0.603475	0
NEK6	-0.06708	0.384046	0.603475	0
SMYD3	0.080249	0.384222	0.603556	0
CIART	0.082232	0.384229	0.603556	0
CAMLG	-0.08936	0.384279	0.603556	0
CABLES2	-0.09264	0.384279	0.603556	0
GPC2	-0.15136	0.384513	0.603853	0
AKAP7	-0.15775	0.384559	0.603854	0

PCSK7	0.084086	0.384654	0.603932	0
CEP89	0.085595	0.384813	0.60411	0
AC114271	-0.13971	0.384996	0.60432	0
TUBB8P7	0.20815	0.385037	0.60432	0
PEPD	0.071483	0.38513	0.604395	0
ZSCAN12	-0.19277	0.385332	0.60459	0
CEP250	-0.06872	0.385397	0.60459	0
SCARF2	-0.09261	0.385472	0.60459	0
ATP7B	-0.07972	0.385485	0.60459	0
AC119403	-0.23352	0.385506	0.60459	0
NAV3	-0.15098	0.385526	0.60459	0
ZNF354B	-0.20065	0.38564	0.604696	0
TTC4	-0.23012	0.385798	0.604803	0
SH3BGRL	-0.08549	0.385799	0.604803	0
MMAA	-0.18513	0.385972	0.605004	0
DNAH17-A	-0.17474	0.386083	0.605016	0
TFCP2	-0.08419	0.386086	0.605016	0
ABCA17P	0.206181	0.386147	0.605016	0
SHKBP1	0.071804	0.386161	0.605016	0
PLPP5	-0.09645	0.386272	0.605118	0
ASB6	0.090762	0.386364	0.605191	0
PAK1	-0.07041	0.386471	0.605288	0
NKD1	-0.09936	0.386876	0.605852	0
ATF6B	0.075013	0.387041	0.605913	0
BNIP3P1	-0.1719	0.387068	0.605913	0
AC092969	-0.20364	0.387104	0.605913	0
AATK	-0.14236	0.387109	0.605913	0
AATBC	0.219464	0.387185	0.605913	0
PIMREG	-0.07536	0.387208	0.605913	0
ZFP36	0.092736	0.387233	0.605913	0
CENPS-CO	0.219855	0.387771	0.606682	0
ATXN7L2	0.079093	0.387819	0.606686	0
PGBD2	-0.12064	0.388105	0.607036	0
AC108448	0.17773	0.388148	0.607036	0
SLIT2	-0.06568	0.38818	0.607036	0
VPS13D	-0.09057	0.388225	0.607036	0
ATG7	0.08312	0.388379	0.607206	0
UCHL5	-0.10951	0.388431	0.607216	0
SFSWAP	-0.07745	0.388581	0.607316	0
MFSD4B	-0.10015	0.388602	0.607316	0
AC021087	-0.23688	0.388631	0.607316	0
NOD1	-0.1125	0.388703	0.607356	0
ANKRD34E	-0.13298	0.38881	0.607383	0
RPH3AL	0.135526	0.388811	0.607383	0

RBM38	0.083112	0.388919	0.60748	0
CHST3	-0.08273	0.388985	0.607513	0
ENGASE	-0.08949	0.389161	0.607716	0
RAB43	0.235466	0.389239	0.607756	0
CENPO	-0.06793	0.389308	0.607756	0
ATRN	-0.07173	0.389323	0.607756	0
AK1	0.113539	0.38946	0.607828	0
TUBB4A	0.088755	0.389503	0.607828	0
AC091729	-0.10136	0.389558	0.607828	0
AKTIP	-0.15215	0.38957	0.607828	0
PLCB1	0.208813	0.389643	0.607828	0
SYPL2	0.224772	0.389707	0.607828	0
RNF135	0.084375	0.389709	0.607828	0
AFTPH	-0.09834	0.389831	0.607828	0
ZNF778	-0.10173	0.389845	0.607828	0
CUX1	0.069282	0.389853	0.607828	0
ACSL4	-0.09807	0.389908	0.607828	0
DNAJC30	0.102814	0.389916	0.607828	0
NUP214	-0.0732	0.389982	0.60786	0
CPSF1	0.071702	0.390033	0.607869	0
FAM89A	-0.1367	0.390348	0.608248	0
FKBP15	-0.08304	0.390411	0.608248	0
NEIL2	-0.08277	0.390414	0.608248	0
AC007996	-0.19696	0.39063	0.608264	0
PPM1D	-0.07988	0.390637	0.608264	0
MRPL48	0.090074	0.390649	0.608264	0
ZNF565	-0.20427	0.390668	0.608264	0
DEDD	0.066682	0.39069	0.608264	0
DIP2C	-0.08089	0.390707	0.608264	0
UBE4B	-0.07276	0.390743	0.608264	0
TMEM33	-0.11735	0.390916	0.608446	0
COPS7A	0.072276	0.390967	0.608446	0
PSMA3	-0.0887	0.390997	0.608446	0
CAMTA1	0.092131	0.391047	0.608452	0
COPS8	-0.07966	0.391134	0.608503	0
TMEM190	0.248267	0.391202	0.608503	0
GANC	-0.09348	0.39131	0.608503	0
THOC5	0.069979	0.391317	0.608503	0
KPNB1	-0.07394	0.391351	0.608503	0
SCRIB	0.072777	0.391368	0.608503	0
PRDM4	-0.0871	0.391399	0.608503	0
PSMD7	-0.07272	0.391533	0.60864	0
PROB1	0.120598	0.391615	0.60868	0
GALNT12	-0.09154	0.39165	0.60868	0

SLC12A7	0.076097	0.391955	0.609083	0
ZNF514	-0.15454	0.392052	0.609163	0
EFNA5	-0.10743	0.392224	0.609313	0
TJP3	0.161458	0.39224	0.609313	0
TMEM11	0.08422	0.392329	0.609324	0
LPIN2	-0.08998	0.392443	0.609324	0
FAAP100	0.077299	0.392453	0.609324	0
AHNAK	-0.07468	0.392461	0.609324	0
BAALC	-0.14122	0.392476	0.609324	0
B4GALT5	-0.07922	0.392677	0.609566	0
CCZ1	-0.1155	0.392816	0.609711	0
ZNHIT3	0.091735	0.393104	0.610087	0
AC108488	0.22882	0.393185	0.610141	0
EIF2D	0.067052	0.393251	0.610173	0
AC139887	0.140149	0.39381	0.610926	0
TMF1	-0.10625	0.393836	0.610926	0
KIAA0513	0.08195	0.393874	0.610926	0
BPGM	-0.11994	0.393992	0.611038	0
LDLRAD3	-0.09934	0.3941	0.611135	0
ZC3H12A	0.111757	0.394213	0.611239	0
CD8A	0.23029	0.394474	0.611573	0
RWDD2A	-0.12935	0.39457	0.611601	0
HCFC1	0.069148	0.394585	0.611601	0
PNCK	0.204916	0.394773	0.611791	0
IFT122	0.084765	0.394818	0.611791	0
UBN1	-0.06815	0.394848	0.611791	0
ENSA	0.063788	0.394891	0.611791	0
AARS2	0.084226	0.394961	0.611829	0
ARID3B	0.085461	0.395046	0.61189	0
TUBGCP4	-0.08267	0.395211	0.611984	0
HSD17B7	-0.08447	0.395232	0.611984	0
HIST1H3G	0.159763	0.395245	0.611984	0
GRAMD4	0.078644	0.395388	0.612136	0
ELP3	0.074543	0.395586	0.612325	0
AKT2	0.069587	0.395602	0.612325	0
ZC3H12B	-0.13263	0.396132	0.613073	0
MAN2C1	0.076893	0.396217	0.613133	0
SVIL-AS1	0.203494	0.396312	0.613165	0
AC133552	0.26052	0.396329	0.613165	0
AL133517	0.19084	0.396498	0.613355	0
CREBL2	-0.09835	0.396625	0.613481	0
FANCF	-0.12998	0.396962	0.613929	0
ISY1	0.097872	0.397007	0.613929	0
TSG101	0.082002	0.397092	0.613989	0

HSPA8	-0.06985	0.397244	0.614153	0
UST	0.091301	0.397474	0.614399	0
DCDC1	-0.10481	0.397529	0.614399	0
WIZ	0.071891	0.397542	0.614399	0
AL022328.	-0.20233	0.397761	0.614666	0
FAM43A	0.146777	0.39786	0.614749	0
ROR2	0.077746	0.398105	0.615055	0
TGFBR1	-0.1042	0.39815	0.615055	0
RAET1G	0.258922	0.398252	0.615092	0
LMBRD1	-0.10932	0.398308	0.615092	0
MYCL	0.13518	0.398313	0.615092	0
SRSF8	-0.08037	0.3985	0.615309	0
BET1L	0.070725	0.398661	0.615439	0
ALDH9A1	-0.07172	0.398725	0.615439	0
IFI16	-0.16676	0.398729	0.615439	0
CCDC50	-0.08117	0.398853	0.615439	0
GNAI2	0.065563	0.398868	0.615439	0
ZNF561	-0.08429	0.398882	0.615439	0
PYROXD1	-0.22206	0.398907	0.615439	0
CDK6	-0.10187	0.399042	0.615577	0
WASL	-0.08568	0.399182	0.615722	0
CRYBB2	0.216441	0.399297	0.615828	0
ZFP64	0.074611	0.399377	0.615879	0
AP1G2	0.077757	0.399531	0.616045	0
FBXO16	-0.12605	0.399677	0.6162	0
AL132656.	-0.16608	0.399759	0.616255	0
DHRS7	-0.08285	0.399922	0.616368	0
CSRP1	0.126064	0.399925	0.616368	0
VWCE	-0.11842	0.400031	0.616457	0
SOCS2-AS1	0.14628	0.400096	0.616457	0
DARS	-0.08943	0.400122	0.616457	0
ZNF587B	-0.10159	0.400318	0.616547	0
GSK3B	-0.08581	0.40033	0.616547	0
AL109615.	0.150345	0.400355	0.616547	0
UTP25	-0.10015	0.400406	0.616547	0
CEP63	-0.12554	0.400411	0.616547	0
RABL2B	0.105856	0.400459	0.61655	0
ZNF891	-0.11469	0.400526	0.616582	0
INTS13	-0.10034	0.400633	0.616583	0
MYOM1	0.178882	0.400661	0.616583	0
MAP2	0.158288	0.400666	0.616583	0
MAGI2	-0.22663	0.400724	0.616602	0
STX2	-0.09606	0.400804	0.616654	0
COA6-AS1	0.239749	0.401009	0.616852	0

ZFP69B	-0.15684	0.401026	0.616852	0
ALOX12-A	-0.15263	0.401104	0.616901	0
AC010894	-0.20766	0.401288	0.617034	0
EML1	-0.10834	0.401321	0.617034	0
AL691432	0.247763	0.401329	0.617034	0
TAF9	-0.09539	0.401381	0.617043	0
KIF7	0.095251	0.401633	0.617359	0
IFT172	-0.08225	0.401749	0.617443	0
STK32B	0.183348	0.401821	0.617443	0
MRAS	0.074096	0.401899	0.617443	0
ARPIN	0.076849	0.401929	0.617443	0
ZNF830	-0.11216	0.401997	0.617443	0
FNTA	-0.0899	0.401999	0.617443	0
HPS3	-0.1162	0.402012	0.617443	0
LINC02245	0.14755	0.402145	0.617567	0
SKIDA1	-0.07661	0.402185	0.617567	0
ENTPD2	-0.2645	0.402338	0.617678	0
FAM120A	-0.06966	0.402384	0.617678	0
DNAH1	0.123168	0.402431	0.617678	0
AOC2	-0.18084	0.402443	0.617678	0
MTHFD2L	0.160066	0.402675	0.617909	0
CLHC1	-0.18902	0.402686	0.617909	0
RPP30	-0.11473	0.402974	0.61828	0
ST3GAL1	0.099971	0.403453	0.618943	0
DHFR	-0.0849	0.403628	0.619141	0
AL451069	0.178323	0.403949	0.619561	0
UGCG	-0.10006	0.404242	0.619939	0
AC027031	0.10204	0.404314	0.619979	0
DEGS1	-0.06746	0.404406	0.619981	0
HGH1	0.076284	0.404408	0.619981	0
RIT1	-0.0799	0.404503	0.620056	0
AC232271	-0.19911	0.404708	0.620192	0
KCMF1	-0.07317	0.404739	0.620192	0
LRRC47	0.072048	0.404759	0.620192	0
DMD	-0.07523	0.404779	0.620192	0
GAPDHP1	0.184604	0.404884	0.620282	0
LINC01806	0.194473	0.405011	0.620405	0
D2HGDH	-0.09227	0.405195	0.620616	0
RAB2B	-0.08666	0.405331	0.620754	0
DCTD	0.065932	0.405389	0.620771	0
NME1	0.072627	0.405484	0.62082	0
RAPGEFL1	0.085502	0.40552	0.62082	0
EIF4ENIF1	0.07163	0.405561	0.62082	0
RNF185	0.074988	0.405721	0.620993	0

CECR2	-0.24243	0.405847	0.621116	0
UBFD1	-0.06528	0.405954	0.621208	0
TRAPPC12	-0.22529	0.406014	0.621228	0
PRRC2B	0.065619	0.40621	0.621457	0
REST	-0.0959	0.406437	0.621732	0
OSGEP	0.084052	0.406501	0.62176	0
NELFCD	-0.06503	0.406726	0.622033	0
IKBKB	0.078088	0.406963	0.622324	0
FBXO42	-0.07413	0.407014	0.62233	0
LINC01303	-0.17212	0.407082	0.622353	0
ANGEL1	0.088728	0.407194	0.622353	0
MAST3	0.07957	0.407201	0.622353	0
STX6	-0.07453	0.407216	0.622353	0
UFC1	0.069097	0.407447	0.622636	0
ATP6V1D	-0.09234	0.407553	0.622726	0
AC232271	-0.16411	0.407678	0.622845	0
RNF139	-0.11343	0.408155	0.623435	0
LINC01694	-0.14269	0.408233	0.623435	0
CCZ1B	-0.17361	0.408237	0.623435	0
TBC1D19	-0.19284	0.408251	0.623435	0
CTNNAL1	-0.09934	0.408327	0.62348	0
ZNF611	-0.14921	0.408442	0.623584	0
TIFA	-0.10997	0.408566	0.623702	0
LINC01503	0.128678	0.408644	0.623749	0
AC012467	0.172415	0.408898	0.624066	0
HEPH	0.191559	0.408967	0.6241	0
COMMD4	0.073235	0.409055	0.624163	0
TMEM263	-0.09296	0.409108	0.624172	0
TMEM158	-0.21465	0.409248	0.624314	0
RAB2A	-0.08031	0.409427	0.624515	0
HOXB8	0.10293	0.409487	0.624536	0
ITPR3	-0.13379	0.409536	0.624539	0
NAP1L4	-0.06715	0.409633	0.624615	0
PDE12	-0.09877	0.409991	0.625063	0
MFSD10	0.074151	0.410033	0.625063	0
PINK1-AS	0.08291	0.410067	0.625063	0
PPFIA1	-0.08199	0.410227	0.625208	0
ANXA7	-0.07082	0.410256	0.625208	0
MAX	-0.08275	0.410334	0.625254	0
FKBPL	0.096488	0.410745	0.62581	0
AC093673	0.16093	0.410917	0.626001	0
RMND1	0.09382	0.411158	0.626296	0
CD82	-0.27915	0.411266	0.626389	0
PRR34-AS1	0.187843	0.411364	0.626467	0

LYSMD2	-0.11973	0.411474	0.626491	0
KCNG3	-0.12084	0.411474	0.626491	0
FRG1HP	-0.1318	0.411541	0.626495	0
ZKSCAN1	-0.07356	0.411571	0.626495	0
STOX2	-0.1014	0.411691	0.626607	0
VPS26C	0.070073	0.411918	0.62688	0
POLR2L	0.066537	0.412114	0.627091	0
ZFR	-0.09248	0.41215	0.627091	0
C4orf48	-0.11529	0.412201	0.627096	0
CDKL1	-0.14312	0.412312	0.627194	0
PHF20	-0.08311	0.412378	0.627223	0
FBXL14	-0.09299	0.412426	0.627225	0
PRPF38A	-0.06908	0.41252	0.627287	0
WRAP73	0.075984	0.412561	0.627287	0
ATRNL1	-0.22424	0.412628	0.627317	0
KAT2A	0.066401	0.412771	0.627463	0
DENND5A	-0.06778	0.412845	0.627503	0
SEPTIN8	-0.07268	0.412964	0.627613	0
AP001005	-0.2191	0.413087	0.627729	0
DMAC2L	0.097348	0.413194	0.627819	0
WDR82	-0.06201	0.413278	0.627875	0
SOCS6	-0.14062	0.413384	0.627875	0
RAB35	0.069084	0.413423	0.627875	0
CAPN7	-0.08512	0.413461	0.627875	0
YWHAH	-0.06903	0.413474	0.627875	0
SARM1	0.1066	0.413513	0.627875	0
MICALL2	-0.1165	0.413701	0.628089	0
NRF1	-0.08076	0.413842	0.628195	0
ZMIZ1	-0.07314	0.413869	0.628195	0
TCF7	0.178502	0.413912	0.628195	0
CRBN	-0.10307	0.414065	0.628339	0
AC106886	0.239545	0.414119	0.628339	0
NSUN5P2	-0.10993	0.414169	0.628339	0
TMEM109	0.06606	0.414196	0.628339	0
ZNF385D	-0.14681	0.414279	0.628394	0
EIF3B	0.062684	0.414394	0.628423	0
SLC25A19	0.082064	0.414434	0.628423	0
HNRNPA1F	-0.18392	0.41444	0.628423	0
PRRG1	-0.12599	0.414712	0.628703	0
KANSL3	0.063216	0.414719	0.628703	0
AC006001	-0.09468	0.414823	0.628748	0
SH3PXD2A	-0.19864	0.414842	0.628748	0
AC007191	0.128333	0.414932	0.628795	0
SF3A3	-0.0653	0.414988	0.628795	0

UBE2V2	-0.09471	0.41507	0.628795	0
GRPEL1	-0.0732	0.415096	0.628795	0
EPHA3	0.142124	0.415144	0.628795	0
RAPGEF2	-0.0811	0.415157	0.628795	0
SYCP2L	-0.22269	0.415334	0.628828	0
AC133785	0.238631	0.415336	0.628828	0
MANSC1	-0.0962	0.415343	0.628828	0
LOH12CR2	0.244355	0.415403	0.628828	0
FBXL12	0.074331	0.415414	0.628828	0
FBXL7	-0.08522	0.415597	0.628975	0
GTPBP2	0.069396	0.415606	0.628975	0
ARHGAP10	-0.08086	0.415935	0.629358	0
ZNF324	0.091628	0.415953	0.629358	0
CDCA5	-0.06844	0.416105	0.629449	0
MYEF2	-0.18404	0.416142	0.629449	0
AC118344	-0.18456	0.416155	0.629449	0
C19orf12	0.082151	0.416378	0.629638	0
GPR157	0.107318	0.41642	0.629638	0
NKD2	0.139693	0.416443	0.629638	0
SLC4A11	-0.08309	0.416514	0.629638	0
NR6A1	-0.09772	0.416516	0.629638	0
SRP54-AS1	0.182628	0.416591	0.629681	0
AL021707	0.114595	0.416857	0.630011	0
PBX3	-0.08344	0.416919	0.630033	0
TM2D1	0.099083	0.417116	0.63026	0
CSTF2	-0.0819	0.417177	0.63028	0
GAREM2	0.077072	0.417366	0.630487	0
TBX15	-0.08972	0.417409	0.630487	0
TDRP	-0.09714	0.417602	0.630708	0
SLC29A4	0.102044	0.41765	0.630709	0
COX17	0.108058	0.417809	0.630852	0
KIAA1958	-0.10246	0.41786	0.630852	0
ANO6	-0.09202	0.417911	0.630852	0
LRP6	-0.08069	0.417934	0.630852	0
BLMH	-0.06557	0.418081	0.630947	0
TBC1D9	-0.08207	0.418092	0.630947	0
F2RL1	-0.18912	0.418168	0.630967	0
VPS37B	0.076981	0.418199	0.630967	0
RPS18P9	-0.24539	0.418356	0.631128	0
ATP8B2	0.06485	0.418401	0.631128	0
KIF5C	-0.2554	0.418867	0.631713	0
RBM19	-0.07453	0.418883	0.631713	0
SNRPD1	-0.07889	0.418986	0.631796	0
SH3KBP1	-0.08072	0.419061	0.631837	0

AC092117	0.130905	0.419489	0.632411	0
BPHL	0.085653	0.419559	0.632445	0
COX7C	0.065909	0.419622	0.632469	0
UPK1A	0.177994	0.419684	0.632472	0
DARS-AS1	0.124795	0.419719	0.632472	0
MBLAC1	0.186943	0.419898	0.632671	0
PKP2	-0.11287	0.420152	0.632981	0
AC097263	-0.20012	0.420398	0.633201	0
CSNK1G3	-0.1024	0.420431	0.633201	0
ZXDA	-0.16066	0.420471	0.633201	0
TMEM203	0.073665	0.420487	0.633201	0
LINC00672	0.184853	0.420567	0.633249	0
FEM1A	0.073132	0.420935	0.633732	0
YDJC	0.07927	0.421003	0.633763	0
ASAP2	-0.09748	0.421084	0.633813	0
PLOD2	-0.139	0.421174	0.633876	0
GPKOW	0.077042	0.421286	0.633905	0
CLTA	0.060982	0.421305	0.633905	0
AC090114	0.099561	0.421335	0.633905	0
PWWP2A	-0.10414	0.421814	0.634554	0
ITGA6	-0.08621	0.422128	0.634954	0
CNBP	0.0693	0.42225	0.634998	0
MBIP	0.100762	0.422253	0.634998	0
ZNF596	-0.17568	0.422356	0.635064	0
CDC42BPG	0.075566	0.422391	0.635064	0
PLXNA1	0.0703	0.422486	0.635135	0
AP000873	-0.17501	0.422564	0.63518	0
GGT4P	0.210938	0.42266	0.635253	0
MRPL46	0.153677	0.422768	0.635344	0
COPB2	-0.06929	0.422831	0.635358	0
EZH1	-0.08016	0.422873	0.635358	0
KDELR3	-0.0932	0.422974	0.635435	0
CHCHD7	-0.0868	0.42302	0.635435	0
CDADC1	-0.13909	0.423137	0.63554	0
POGK	-0.06891	0.423245	0.63563	0
TXNDC17	0.070894	0.423566	0.636012	0
JOSD2	0.079003	0.423595	0.636012	0
NFIL3	-0.11356	0.42367	0.636021	0
CAPN10-D	-0.13605	0.423696	0.636021	0
RSL24D1	0.106053	0.423911	0.636126	0
CCDC85C	0.081521	0.423916	0.636126	0
PDCD6IPP	-0.10025	0.423994	0.636126	0
MYLK4	-0.20092	0.424041	0.636126	0
NMD3	0.096906	0.424074	0.636126	0

DNAJC11	0.063623	0.42413	0.636126	0
EXTL3	0.065736	0.42417	0.636126	0
ENDOV	0.089985	0.424207	0.636126	0
CWC15	-0.07998	0.424221	0.636126	0
NFKB2	0.075613	0.424261	0.636126	0
PPP3CA	-0.10132	0.424328	0.636126	0
USHBP1	0.092691	0.424338	0.636126	0
CD320	0.078737	0.424413	0.636166	0
CNNM3	0.072907	0.424548	0.636296	0
ARIH1	-0.08389	0.424665	0.6364	0
IFITM2	0.071355	0.424764	0.636427	0
BCOR	0.067922	0.424778	0.636427	0
ATXN3	-0.13175	0.424841	0.63645	0
AL606760.	0.169484	0.425177	0.63684	0
LACTB	-0.14049	0.425197	0.63684	0
DPAGT1	-0.06701	0.425516	0.637246	0
SH2D4A	-0.077	0.42564	0.637294	0
BTG1	0.103723	0.425645	0.637294	0
GEMIN6	0.080034	0.425691	0.637294	0
DNAJC18	-0.11025	0.425777	0.637332	0
DBP	0.079463	0.42585	0.637332	0
KMT2E-AS	-0.16513	0.42586	0.637332	0
FZD1	-0.06959	0.426027	0.637433	0
PTPN1	-0.07295	0.426062	0.637433	0
GTF2IRD2E	0.207561	0.426107	0.637433	0
AC106875.	0.069714	0.426129	0.637433	0
FRG1CP	0.146602	0.426166	0.637433	0
MT-ND4L	0.059786	0.426329	0.637548	0
POLE3	-0.07934	0.426339	0.637548	0
BSN	0.101949	0.426615	0.63789	0
CAND2	0.076984	0.426725	0.637933	0
KCTD13	0.084112	0.426787	0.637933	0
LETM2	-0.2339	0.426802	0.637933	0
C19orf47	0.083186	0.426836	0.637933	0
CTPS2	-0.07877	0.42694	0.638014	0
AL365330.	0.231926	0.426986	0.638014	0
NFKB1	-0.06522	0.427077	0.638051	0
LINC02731	0.18299	0.427106	0.638051	0
NFIB	-0.06488	0.427441	0.638479	0
CASC4	-0.07991	0.42756	0.638586	0
ARF3	0.063832	0.427691	0.63871	0
AC105339.	-0.28034	0.427775	0.638739	0
HAPLN3	0.188591	0.427806	0.638739	0
SHLD2	-0.10523	0.427883	0.638782	0

TSPAN33	0.088064	0.42798	0.638855	0
ZNF600	0.206584	0.428136	0.639016	0
BFAR	0.067029	0.428323	0.639224	0
GLG1	-0.06094	0.428406	0.639277	0
FASTKD1	-0.10068	0.428526	0.639364	0
GSTT2B	0.107933	0.42856	0.639364	0
CAPN12	-0.11468	0.428808	0.639662	0
CTSC	-0.07241	0.428899	0.639684	0
MTND4P2	0.122063	0.428924	0.639684	0
PSMG3	0.071193	0.428979	0.639684	0
CCDC43	-0.0946	0.429014	0.639684	0
AC106791	0.151235	0.42909	0.639725	0
SIMC1	-0.08473	0.429247	0.639818	0
LSM3	0.078655	0.429269	0.639818	0
PSMB1	0.062822	0.429297	0.639818	0
SRRM5	-0.25005	0.429404	0.639901	0
FAM149B1	0.087341	0.429448	0.639901	0
DCTPP1	0.067108	0.42964	0.640116	0
PRR14	0.069579	0.429729	0.640159	0
WBP11	-0.07153	0.429773	0.640159	0
DCUN1D1	-0.11156	0.429845	0.640159	0
C16orf46	-0.22336	0.429875	0.640159	0
LYN	-0.07445	0.42991	0.640159	0
INTS9	0.071956	0.430156	0.640421	0
EXOC4	-0.06305	0.430181	0.640421	0
KCTD5	0.069279	0.430361	0.640601	0
ZNF569	-0.17193	0.430399	0.640601	0
HVCN1	0.103802	0.430581	0.640798	0
HSPA1A	-0.13174	0.430666	0.640798	0
CALHM5	-0.1156	0.430727	0.640798	0
RPL7AP30	0.174428	0.430835	0.640798	0
C20orf194	-0.07595	0.430852	0.640798	0
H2AFX	-0.0685	0.430906	0.640798	0
ODF3L2	0.191195	0.43091	0.640798	0
SPRY4	-0.06106	0.430915	0.640798	0
ARL15	-0.12078	0.431038	0.640864	0
TRIM44	-0.06564	0.431056	0.640864	0
UTP23	-0.13781	0.431417	0.64133	0
SNORD32A	0.201369	0.43152	0.641366	0
CHTF8	0.208064	0.431572	0.641366	0
SOGA1	-0.06335	0.431586	0.641366	0
SYNRG	-0.07098	0.431787	0.641593	0
BICRAL	-0.08307	0.431882	0.641599	0
PIAS4	0.071807	0.431887	0.641599	0

EEF1A2	0.117105	0.432239	0.642051	0
CHIC1	-0.1612	0.432317	0.642095	0
CRLS1	-0.16791	0.432441	0.642157	0
LLPH	-0.11431	0.432457	0.642157	0
KLF10	-0.08581	0.432536	0.642157	0
KRT8P12	-0.1687	0.432599	0.642157	0
FOXJ3	-0.07625	0.4326	0.642157	0
LPCAT1	0.063429	0.432723	0.642268	0
MED20	-0.08069	0.433001	0.642487	0
HYPK	0.070987	0.43306	0.642487	0
NIF3L1	-0.07864	0.433082	0.642487	0
GINS2	-0.0693	0.433086	0.642487	0
GCNA	-0.19157	0.433112	0.642487	0
DHX35	-0.08184	0.43333	0.64274	0
DCAKD	0.070035	0.433539	0.642933	0
GMFB	-0.1008	0.433557	0.642933	0
FAM241A	0.165845	0.433644	0.642991	0
INSC	0.202512	0.433832	0.643198	0
NDUFA12	0.075576	0.433901	0.643229	0
HEXD	0.085755	0.434085	0.64343	0
STK35	0.071445	0.434155	0.643462	0
NPAS1	0.094314	0.434236	0.643511	0
FLNA	0.066388	0.434305	0.643542	0
TMEM267	-0.14561	0.434423	0.643646	0
PRXL2A	0.072773	0.434577	0.643801	0
PLPP6	-0.11889	0.434669	0.643867	0
ACTR8	-0.08231	0.434738	0.643897	0
MPPE1	0.084582	0.434786	0.643897	0
SPRED3	0.108916	0.435072	0.644232	0
UBXN8	-0.1206	0.435109	0.644232	0
CPE	0.063482	0.435166	0.644245	0
SLK	-0.09329	0.43529	0.644357	0
NAIF1	0.085086	0.435365	0.644396	0
VEGFA	-0.07153	0.435584	0.644649	0
ADCY9	0.066101	0.435757	0.644749	0
TMEM63A	-0.0735	0.435787	0.644749	0
DNAJC16	-0.08375	0.435797	0.644749	0
SLC17A9	-0.08172	0.436086	0.645105	0
BLCAP	0.079615	0.436219	0.645184	0
DCUN1D2	-0.10086	0.436246	0.645184	0
IMMP1L	-0.10357	0.436285	0.645184	0
LSM12	-0.17813	0.436495	0.645424	0
APOBEC3B	-0.073	0.436558	0.645446	0
AC009303	-0.23048	0.436648	0.645507	0

AC017116	0.254064	0.436785	0.645626	0
SLU7	-0.08649	0.436853	0.645626	0
DEPDC5	-0.08412	0.436874	0.645626	0
TEPSIN	-0.07211	0.43696	0.645657	0
BTN3A2	0.071883	0.436992	0.645657	0
BTBD1	-0.077	0.437161	0.645836	0
THAP11	0.062706	0.437391	0.646018	0
CD83	-0.12349	0.437417	0.646018	0
EARS2	0.064702	0.43743	0.646018	0
AP001024	0.179776	0.437541	0.646111	0
KIAA0319	-0.16893	0.437637	0.646181	0
TFB2M	-0.09621	0.437918	0.646524	0
MESTIT1	0.161942	0.437987	0.646543	0
MUL1	0.076191	0.438028	0.646543	0
ELOVL5	-0.06323	0.43811	0.646564	0
MED11	0.083551	0.438139	0.646564	0
BBX	-0.09617	0.438224	0.646567	0
CMTR2	-0.11468	0.438238	0.646567	0
IMPA1	-0.11426	0.438571	0.646975	0
ROM1	-0.11545	0.438611	0.646975	0
AL136304	0.217876	0.438717	0.647054	0
MNT	0.077512	0.438764	0.647054	0
GPR35	-0.21211	0.438811	0.647054	0
TLCD5	-0.09128	0.439104	0.647416	0
MFSD12	0.073541	0.439275	0.647596	0
CEBPD	0.100265	0.439471	0.647812	0
AL035446	0.141229	0.439792	0.648208	0
PPARG	0.076607	0.439836	0.648208	0
ZNF570	-0.16896	0.440015	0.648376	0
TXNRD1	-0.07307	0.440048	0.648376	0
SLC7A1	-0.06335	0.440431	0.648869	0
EMC4	0.070166	0.440584	0.648917	0
PLEKHM3	-0.09225	0.440625	0.648917	0
RRN3	-0.08714	0.440647	0.648917	0
TMEM184	0.074525	0.440658	0.648917	0
EFCAB11	0.14616	0.440806	0.648934	0
TRAPPC4	-0.07306	0.440809	0.648934	0
RUFY3	-0.09248	0.440827	0.648934	0
RPL13P5	0.120142	0.440888	0.648934	0
INSR	0.072306	0.440919	0.648934	0
PRR34	-0.18182	0.440993	0.648934	0
INO80C	0.164359	0.44101	0.648934	0
ID2	0.164183	0.441144	0.648957	0
ZSCAN21	-0.09646	0.441153	0.648957	0

LINC00659	-0.22266	0.441172	0.648957	0
NLRP2	0.059051	0.441222	0.648958	0
NRIP1	-0.1211	0.441526	0.649334	0
ELF3	0.134253	0.441622	0.649404	0
ZC3H10	0.091654	0.441761	0.649536	0
FAM186B	0.209837	0.44192	0.649679	0
DKK3	0.165026	0.442028	0.649679	0
ZNF426	-0.0984	0.442069	0.649679	0
TRIM27	0.062209	0.442109	0.649679	0
C12orf45	-0.07945	0.442141	0.649679	0
CHM	-0.11807	0.442223	0.649679	0
RANGRF	0.078135	0.442363	0.649679	0
EME2	-0.0828	0.442375	0.649679	0
RETSAT	0.065128	0.442392	0.649679	0
ERLIN1	-0.06539	0.442396	0.649679	0
MAN1A1	-0.12359	0.442434	0.649679	0
DTNB	0.069375	0.442443	0.649679	0
DGCR8	0.070275	0.442646	0.649882	0
AC093827	0.201623	0.442678	0.649882	0
TRAPPC13	-0.10825	0.442824	0.650001	0
KLHDC9	0.100236	0.4429	0.650001	0
COL7A1	-0.10024	0.442905	0.650001	0
NIFK	-0.08136	0.443062	0.650159	0
PPP2R2D	-0.08085	0.443428	0.650624	0
SMIM8	0.139288	0.443476	0.650624	0
PCLO	-0.209	0.443627	0.650773	0
CDKN2D	0.105888	0.443744	0.650873	0
PPP2R3A	-0.10093	0.444017	0.651146	0
CEPT1	-0.0759	0.444028	0.651146	0
AL158151	0.108755	0.444282	0.651427	0
ARHGAP3C	0.16265	0.444317	0.651427	0
OLMALINC	-0.08068	0.444461	0.651566	0
POP5	-0.07425	0.444579	0.651659	0
PCCA-DT	0.120682	0.444622	0.651659	0
ASTN2	0.082433	0.444743	0.651689	0
TEC	-0.14738	0.444743	0.651689	0
FAM160A2	0.073205	0.444842	0.651689	0
CSDE1	-0.06781	0.444863	0.651689	0
SMAD3	-0.07563	0.444888	0.651689	0
EIF4G1	0.058327	0.444935	0.651689	0
OARD1	-0.08831	0.445075	0.651822	0
NABP2	0.065441	0.445228	0.651974	0
MRNIP	-0.0806	0.44534	0.652067	0
ANKRD13E	0.074539	0.445544	0.652134	0

SMARCC2	0.058857	0.445545	0.652134	0
DNAAF5	-0.06418	0.445562	0.652134	0
NBAS	0.069302	0.445582	0.652134	0
PLBD1	0.065823	0.445736	0.652215	0
TFB1M	-0.08266	0.445804	0.652215	0
ZNF579	0.081234	0.445818	0.652215	0
AC011497	-0.20486	0.445833	0.652215	0
SORD	0.068676	0.445905	0.652248	0
RAB3D	0.071983	0.445953	0.652248	0
SLC26A6	0.064747	0.446036	0.652298	0
MIR924HC	-0.20385	0.446295	0.652568	0
AC073046	-0.17443	0.446319	0.652568	0
BTRC	-0.07413	0.446376	0.65258	0
PEX26	-0.06807	0.44651	0.652705	0
ZFAT	0.103521	0.446687	0.652892	0
HIST2H2BE	-0.085	0.446779	0.652896	0
ZNF862	0.07691	0.446791	0.652896	0
GATA2-AS1	0.092854	0.446837	0.652896	0
CCDC130	0.083637	0.447226	0.65337	0
RBM47	-0.08108	0.447269	0.65337	0
FAM200B	-0.10086	0.447357	0.65337	0
XIAP	-0.07711	0.447357	0.65337	0
AL353748	-0.20603	0.447482	0.65348	0
AL009179	-0.14879	0.447568	0.653535	0
NBPF3	-0.08784	0.447666	0.653606	0
EFR3B	-0.07216	0.448262	0.654364	0
HHEX	-0.1096	0.448283	0.654364	0
BUD31	0.070811	0.448407	0.654474	0
COX6A1P2	0.160963	0.448486	0.654517	0
METRNL	-0.22052	0.448669	0.654674	0
TMEM164	0.068326	0.448692	0.654674	0
KRT18P5	0.192168	0.448843	0.654822	0
CTXN1	0.094923	0.44899	0.654966	0
AC008969	-0.13582	0.44919	0.655092	0
AP001372	-0.25126	0.449219	0.655092	0
FBXO41	-0.06596	0.449254	0.655092	0
RALBP1	-0.07756	0.449315	0.655092	0
INSIG1	0.063765	0.449323	0.655092	0
UBE2SP1	0.11124	0.449557	0.655362	0
AC109322	0.176812	0.449984	0.655872	0
TUBG1	0.063292	0.450005	0.655872	0
MFSD3	0.077586	0.450198	0.656063	0
FKBP9	0.062984	0.450234	0.656063	0
TIMELESS	-0.0579	0.45051	0.656393	0

LCMT1	0.068203	0.45089	0.656875	0
EHBP1L1	0.064198	0.451057	0.656924	0
SULT1C4	-0.09855	0.451077	0.656924	0
H2AFY	-0.05745	0.451084	0.656924	0
ISCA2	0.082993	0.451125	0.656924	0
NDUFA13	0.077921	0.45117	0.656924	0
KCTD21-A	-0.14324	0.451344	0.657105	0
FIRRE	-0.10356	0.45157	0.657251	0
CPT2	0.069661	0.451578	0.657251	0
SEMA3F	0.08722	0.451592	0.657251	0
SNHG25	0.194281	0.451865	0.657576	0
TBC1D16	0.062169	0.451953	0.657632	0
TMC6	0.099198	0.452038	0.657685	0
ARL8B	-0.08497	0.45227	0.657936	0
GFPT1	-0.06755	0.45231	0.657936	0
PPT1	-0.06139	0.452395	0.657989	0
TMEM44	0.113367	0.452786	0.65827	0
RSU1	-0.0681	0.452813	0.65827	0
TFAP4	0.073969	0.452843	0.65827	0
RGS9	-0.1827	0.452908	0.65827	0
KCTD21	-0.08484	0.452992	0.65827	0
C3orf67	0.170023	0.452998	0.65827	0
HYAL3	0.103847	0.453035	0.65827	0
DUXAP8	-0.12094	0.453049	0.65827	0
NCK1-DT	0.167929	0.453065	0.65827	0
AL590705	0.176713	0.453082	0.65827	0
AC020659	-0.13596	0.453359	0.658405	0
C5orf56	-0.14834	0.453379	0.658405	0
TRMT11	0.122335	0.453395	0.658405	0
TSPYL2	0.063203	0.453399	0.658405	0
ANKRD13	-0.07364	0.453422	0.658405	0
MAN2A1	-0.10562	0.453599	0.65859	0
ARL14EP	-0.09907	0.453912	0.658911	0
RGS9BP	0.112177	0.453918	0.658911	0
MAP2K7	0.069976	0.454174	0.65921	0
IL27RA	0.068539	0.454265	0.65927	0
KIFC3	0.072671	0.454379	0.659364	0
KMT5C	0.076908	0.454556	0.659549	0
FZD6	-0.13711	0.454734	0.659665	0
TARS	-0.07966	0.454774	0.659665	0
OSBP	-0.06069	0.454858	0.659665	0
CTTNBP2N	-0.08004	0.454879	0.659665	0
S100A14	-0.22816	0.454884	0.659665	0
SIRT7	0.07191	0.455042	0.659824	0

TNPO3	-0.06835	0.455118	0.659847	0
MRPL45	0.062874	0.455158	0.659847	0
AC131212	-0.17227	0.455324	0.660017	0
RAB3IP	-0.14911	0.455378	0.660023	0
SEC24D	-0.07492	0.45549	0.660114	0
SPATA5L1	-0.09068	0.455575	0.660165	0
PCP2	-0.23323	0.45588	0.660417	0
KIFC2	0.081958	0.455923	0.660417	0
CARD10	0.104018	0.455938	0.660417	0
OSTC	0.079788	0.455947	0.660417	0
SMUG1	0.069156	0.456075	0.660505	0
RFX3	-0.09974	0.456115	0.660505	0
ZNF124	-0.11132	0.456156	0.660505	0
EPS8L1	0.071488	0.456395	0.660779	0
AC012313	0.139622	0.456489	0.660843	0
CCDC3	0.092848	0.456674	0.66104	0
STOML1	0.122948	0.456826	0.661188	0
ANKIB1	-0.06527	0.456979	0.661201	0
DIPK1B	0.080549	0.457002	0.661201	0
NOP14	-0.06306	0.457045	0.661201	0
ZNF184	0.1232	0.457055	0.661201	0
CD19	0.22879	0.457083	0.661201	0
AC008915	0.142841	0.45741	0.661602	0
ZSWIM7	0.081567	0.457572	0.661764	0
RSPH3	0.093126	0.457678	0.661846	0
RNF146	-0.10468	0.45774	0.661864	0
RASSF1	0.075886	0.457911	0.662039	0
RNF208	-0.13753	0.458064	0.662181	0
ARIH2	0.057328	0.458146	0.662181	0
C6orf136	-0.08923	0.458158	0.662181	0
CA5BP1	-0.10886	0.458264	0.662262	0
ITSN1	-0.06539	0.458598	0.662618	0
HES7	0.151389	0.458609	0.662618	0
NOMO1	0.076538	0.45869	0.662643	0
DTD1	0.075816	0.458726	0.662643	0
TAF11	-0.07103	0.45886	0.662765	0
METTL25	-0.15181	0.458987	0.662811	0
BRSK2	0.148762	0.458991	0.662811	0
NDUFB6	0.07278	0.459081	0.662868	0
CEP19	0.149245	0.459166	0.6629	0
RAPGEF6	-0.18446	0.459258	0.6629	0
ZNF142	0.066342	0.459288	0.6629	0
ARID1A	-0.05819	0.459359	0.6629	0
AC107068	-0.13091	0.459397	0.6629	0

AP3S2	0.081585	0.459401	0.6629	0
TXNL4B	0.075119	0.459559	0.663056	0
ARPC5	-0.06221	0.459744	0.66321	0
KLF11	-0.08225	0.459788	0.66321	0
TATDN3	-0.09272	0.459815	0.66321	0
BCL2L2	-0.07442	0.460034	0.663454	0
AATF	0.059649	0.460228	0.663645	0
ANKAR	-0.16116	0.460266	0.663645	0
TBC1D7	-0.08292	0.460389	0.66375	0
INPP4A	-0.06902	0.460652	0.663995	0
WDR61	0.064223	0.460658	0.663995	0
CENPK	-0.11886	0.460915	0.664243	0
CMBL	0.056092	0.460994	0.664243	0
TFPI2	0.157853	0.461061	0.664243	0
AC022007	0.194469	0.461071	0.664243	0
SLC9B2	-0.06883	0.461199	0.664243	0
RUNX1	0.144169	0.461222	0.664243	0
L3HYPDH	-0.10424	0.461228	0.664243	0
SERINC5	-0.08965	0.461229	0.664243	0
SLC7A5	0.060657	0.461421	0.664387	0
YLPM1	-0.06343	0.461428	0.664387	0
CCT3	0.053009	0.461713	0.664665	0
SATB2	-0.09948	0.461727	0.664665	0
CNIH4	0.06793	0.461785	0.664665	0
GMPPB	0.07038	0.461862	0.664665	0
PRELID3B	-0.07434	0.46187	0.664665	0
AC006252	-0.24705	0.461995	0.66475	0
RALGAPA2	-0.08479	0.46213	0.66475	0
PLA2G4B	-0.23565	0.462289	0.66475	0
AC006329	0.091802	0.462329	0.66475	0
ENHO	-0.21013	0.462338	0.66475	0
PTTG1IP	0.057854	0.462363	0.66475	0
ELMO2	-0.06179	0.462364	0.66475	0
MINDY2	-0.09158	0.462371	0.66475	0
MERTK	-0.06986	0.462378	0.66475	0
TMEM17	0.174245	0.462534	0.664831	0
WSB2	0.060792	0.462556	0.664831	0
MAP2K5	0.069941	0.462584	0.664831	0
GORAB	-0.11561	0.462718	0.664952	0
LMTK2	-0.07588	0.463178	0.665541	0
LDHB	-0.07093	0.463252	0.665566	0
LZTFL1	-0.09174	0.463296	0.665566	0
EIPR1	0.064637	0.463575	0.665794	0
RIMKLA	-0.15755	0.463576	0.665794	0

LINC01311	-0.18066	0.463604	0.665794	0
MAP4K2	0.0677	0.463852	0.666034	0
SOCS5	-0.07882	0.463871	0.666034	0
TAF11L11	-0.16235	0.464033	0.666183	0
GIGYF1	0.064941	0.464075	0.666183	0
AP001107	-0.12666	0.464713	0.667027	0
DNAJB9	-0.11843	0.464805	0.667041	0
WDR24	0.092076	0.464858	0.667041	0
APMAP	0.058412	0.464872	0.667041	0
ILF2	0.053634	0.465037	0.667205	0
RSL1D1	-0.06561	0.46509	0.667209	0
HOXD10	0.128483	0.465332	0.667479	0
SULT2A1	-0.16251	0.465378	0.667479	0
ZNF470	-0.20544	0.465813	0.668031	0
ARHGAP33	-0.09136	0.46591	0.66806	0
LINC01852	0.108689	0.46598	0.66806	0
IDH1	-0.06644	0.465984	0.66806	0
AL136162	-0.17844	0.466138	0.668182	0
MAP4K3-D	0.153605	0.466169	0.668182	0
UAP1	-0.07265	0.466247	0.668223	0
NICN1	-0.09708	0.466313	0.668244	0
GRIK5	0.142994	0.466374	0.66826	0
WDR5	-0.05891	0.466429	0.668268	0
RELA-DT	-0.13827	0.466557	0.668379	0
MINCR	-0.1355	0.466665	0.668406	0
AKAP14	0.153619	0.466676	0.668406	0
TRMT2B	-0.07617	0.466968	0.668753	0
AGAP3	0.065073	0.467031	0.66877	0
OBSCN	0.067864	0.467098	0.668795	0
AL021707	0.156779	0.467212	0.668887	0
ENTPD7	-0.07539	0.467556	0.669307	0
IFIH1	0.123002	0.46762	0.669326	0
NPR1	0.102573	0.467791	0.6695	0
FLT4	0.078751	0.467842	0.669501	0
AC078846	-0.10905	0.468497	0.670366	0
HIVEP1	-0.10616	0.468566	0.670393	0
TTC8	-0.11716	0.468634	0.67041	0
TNNI1	-0.17878	0.468679	0.67041	0
AC005329	-0.11835	0.4689	0.670611	0
WDR44	-0.07907	0.46892	0.670611	0
IQANK1	0.106239	0.469089	0.67073	0
PLCG2	-0.08488	0.469172	0.67073	0
AC093323	-0.0746	0.469187	0.67073	0
DPP9	0.060823	0.469204	0.67073	0

PTPRS	0.059335	0.469378	0.670889	0
ZNF792	0.100004	0.469416	0.670889	0
JSRP1	0.18124	0.469574	0.670918	0
AC027644	-0.11286	0.469576	0.670918	0
DPYSL2	-0.06215	0.469587	0.670918	0
NPTN-IT1	-0.23577	0.4698	0.671149	0
TRMT10C	-0.12248	0.46995	0.671291	0
TERF2IP	-0.06786	0.470023	0.671291	0
RPA2	0.057558	0.470049	0.671291	0
GNG5	0.141855	0.470133	0.671337	0
PITRM1	-0.0558	0.470264	0.671454	0
MTMR11	0.058366	0.470591	0.671848	0
DLGAP1	0.107792	0.470788	0.672058	0
USP3	-0.07002	0.471277	0.672684	0
STK19	0.101038	0.471519	0.672855	0
C4orf3	0.05929	0.471535	0.672855	0
MTFR1L	0.062845	0.47157	0.672855	0
SNU13	0.056512	0.471599	0.672855	0
FBXO7	-0.05812	0.471867	0.673165	0
CDK1	-0.09519	0.471993	0.673206	0
LINC00997	-0.16064	0.471996	0.673206	0
UBTD2	-0.06895	0.472491	0.67384	0
C19orf84	0.149449	0.472898	0.674348	0
CLEC11A	0.077036	0.473062	0.674506	0
LINC00858	-0.19935	0.47311	0.674506	0
AL391069	0.169203	0.473225	0.674597	0
SLC38A7	0.075042	0.473311	0.674648	0
LYRM4	0.064459	0.473399	0.674701	0
ANKRD45	-0.12645	0.473699	0.675057	0
ORC4	-0.08782	0.473849	0.675198	0
DPY19L2P	-0.16116	0.474201	0.675628	0
TRPC4AP	0.056406	0.474292	0.675685	0
PRDX6	0.054166	0.474383	0.675743	0
SNRPF	-0.05939	0.474434	0.675743	0
FCHO1	0.070262	0.47472	0.676078	0
AP003307	0.169802	0.474798	0.676117	0
ATG14	-0.08719	0.474955	0.676238	0
ANO8	-0.08688	0.474993	0.676238	0
ZBTB44	-0.08603	0.475035	0.676238	0
EIF3J	-0.07561	0.475176	0.676317	0
RABGGTB	-0.09028	0.475277	0.676317	0
PERP	-0.13841	0.475328	0.676317	0
ZNF45	-0.08039	0.475333	0.676317	0
AC104667	0.13019	0.475344	0.676317	0

HOMER1	-0.06367	0.47546	0.676362	0
CMTR1	0.060646	0.475478	0.676362	0
SECTM1	-0.16239	0.475581	0.676438	0
CRTC3	0.062412	0.475733	0.676581	0
SMAP1	-0.07542	0.475969	0.676788	0
IFIT3	-0.12602	0.476019	0.676788	0
PLEKHG3	-0.06835	0.476099	0.676788	0
TMEM177	0.067949	0.47613	0.676788	0
C19orf73	0.166782	0.476132	0.676788	0
NCK2	-0.06537	0.476745	0.677587	0
G3BP2	-0.063	0.47684	0.677649	0
NPM1P27	0.11974	0.477349	0.678301	0
CALM2	0.062989	0.477624	0.678618	0
ZNF354A	-0.13354	0.4778	0.678699	0
A2ML1	0.115383	0.477807	0.678699	0
OGDHL	-0.07065	0.477856	0.678699	0
GHRLOS	-0.15278	0.477884	0.678699	0
HDHD5	0.06721	0.478227	0.679114	0
ARHGEF15	-0.17074	0.478378	0.67925	0
SMIM7	0.07455	0.47843	0.67925	0
AP000344	0.163602	0.478476	0.67925	0
PMS1	-0.13044	0.478568	0.679307	0
HELLPAR	-0.17664	0.478618	0.679307	0
MPP3	-0.12276	0.478838	0.679547	0
EXO5	-0.09536	0.479261	0.680075	0
DENND4B	0.055929	0.479445	0.68012	0
PRKD1	-0.10322	0.479463	0.68012	0
ZNF438	-0.15293	0.479482	0.68012	0
ANO10	0.066569	0.47959	0.68012	0
TMED4	0.056539	0.479592	0.68012	0
AL356489	-0.13708	0.479598	0.68012	0
ARHGAP12	0.1261	0.479755	0.68027	0
PITPNC1	0.065276	0.479895	0.68038	0
MAP11	-0.08251	0.479935	0.68038	0
TAPT1-AS1	-0.1734	0.480189	0.680668	0
SAR1B	-0.08767	0.480526	0.681073	0
TOMM34	0.054541	0.480662	0.681102	0
ITCH	-0.07068	0.480676	0.681102	0
MORC2	0.055883	0.480731	0.681102	0
PARS2	0.084723	0.480751	0.681102	0
SLC9A3-AS	0.082834	0.480934	0.681224	0
IGSF3	0.056237	0.481009	0.681224	0
MAFK	0.076762	0.481055	0.681224	0
PRKN	0.169402	0.481092	0.681224	0

ABRACL	-0.08766	0.481092	0.681224	0
ZKSCAN3	0.091922	0.481331	0.681454	0
NNT-AS1	-0.09653	0.481357	0.681454	0
INAVA	-0.08603	0.481523	0.681617	0
FOXRED1	0.064263	0.481827	0.68188	0
NBPF20	-0.10705	0.481884	0.68188	0
SPART	-0.07797	0.481899	0.68188	0
EIF1B	0.067573	0.481914	0.68188	0
GFAP	0.171693	0.482011	0.681937	0
WDR70	-0.08743	0.482076	0.681937	0
CELSR2	0.058744	0.482123	0.681937	0
LINC02454	-0.20658	0.482208	0.681937	0
SLC24A1	-0.08156	0.482209	0.681937	0
APTX	0.063036	0.482351	0.682019	0
SEPTIN4	-0.1512	0.48237	0.682019	0
ZNRF1	-0.06511	0.482648	0.682339	0
AC004771	-0.22501	0.482724	0.682375	0
ZNF836	-0.18541	0.482857	0.682379	0
AGBL2	0.175696	0.482861	0.682379	0
MSX1	-0.05467	0.48288	0.682379	0
ELFN1	0.082671	0.482948	0.682402	0
CCDC78	-0.1585	0.483192	0.682675	0
MOB1B	-0.08525	0.48328	0.682687	0
SELENOS	-0.07317	0.483303	0.682687	0
ATP11A	-0.06163	0.483494	0.682884	0
TMEM131	-0.05828	0.483625	0.682997	0
DNLZ	0.099202	0.483709	0.683035	0
CYS1	0.214239	0.48384	0.683035	0
BCAP29	-0.09513	0.483846	0.683035	0
ZNF407	-0.10624	0.483857	0.683035	0
TMEM47	-0.09722	0.484137	0.683279	0
PRAME	-0.05501	0.48421	0.683279	0
XRCC6	-0.0526	0.484365	0.683279	0
EXOSC7	0.067398	0.484375	0.683279	0
ADIRF	0.162756	0.484384	0.683279	0
GAPDHP65	-0.19843	0.484387	0.683279	0
SLC9A7	-0.07418	0.484433	0.683279	0
SNN	0.07365	0.484484	0.683279	0
MRPL15	-0.0641	0.484512	0.683279	0
CTDNEP1	0.056003	0.484542	0.683279	0
KIAA1143	0.084968	0.484888	0.683694	0
IGDCC4	-0.12209	0.485119	0.683948	0
DENND11	-0.06757	0.485194	0.68398	0
BCAR3	-0.15164	0.485298	0.684055	0

CCNJ	-0.10941	0.485511	0.684284	0
CREB3L4	0.063332	0.485606	0.684345	0
TTC7A	0.069163	0.485863	0.684589	0
TYW5	-0.10214	0.485882	0.684589	0
AC092835	0.169082	0.486069	0.68478	0
PCOLCE2	0.066807	0.486146	0.684816	0
ZNF490	-0.1392	0.486471	0.685135	0
ZHX3	-0.06203	0.486514	0.685135	0
ODF2L	-0.15003	0.486527	0.685135	0
ZSCAN16- l	0.093756	0.486791	0.685418	0
NECTIN1	0.064123	0.486879	0.685418	0
EIF4A2	-0.05668	0.486882	0.685418	0
RAB3B	-0.07278	0.487247	0.685853	0
LINC02035	0.148216	0.487323	0.685853	0
GGT6	0.14697	0.487345	0.685853	0
PRKAR2A- l	0.163462	0.487397	0.685854	0
MRPS26	0.062303	0.487465	0.685877	0
AC007485	-0.14263	0.487548	0.685921	0
SNAP23	-0.07329	0.487742	0.686122	0
AJM1	0.084273	0.487944	0.686334	0
CASTOR2	0.075357	0.488141	0.686525	0
MRPL39	-0.08333	0.488183	0.686525	0
TTC7B	0.07295	0.488652	0.687092	0
AC127024	-0.17724	0.488702	0.687092	0
GNB1	-0.05267	0.488741	0.687092	0
PRXL2B	-0.09738	0.48898	0.687356	0
GGACT	0.11807	0.489038	0.687365	0
RHOBTB1	-0.14057	0.489099	0.687378	0
MAP3K13	-0.11143	0.489277	0.687556	0
MOCS1	-0.08206	0.489366	0.687583	0
MIPOL1	-0.11169	0.489399	0.687583	0
TMEM30B	-0.18223	0.489559	0.687734	0
COL8A2	-0.11378	0.489655	0.687772	0
COP5	-0.06618	0.489689	0.687772	0
NAT10	-0.05377	0.489802	0.687859	0
COL12A1	0.138406	0.489999	0.688019	0
SLC39A1	0.112928	0.49002	0.688019	0
NEDD8	-0.06964	0.490246	0.688265	0
MTIF3	-0.08387	0.490552	0.688499	0
HSD17B8	0.105818	0.490583	0.688499	0
HMGCS1	-0.06374	0.490605	0.688499	0
SRPRA	-0.05311	0.490663	0.688499	0
MZF1	0.073342	0.490688	0.688499	0
STK36	-0.06549	0.490723	0.688499	0

WDR59	0.055388	0.490865	0.688558	0
TRAPPC2B	0.142148	0.490868	0.688558	0
FOXP4-AS1	-0.1655	0.491003	0.688675	0
ZNF329	0.075154	0.491059	0.688682	0
AC092159	-0.14992	0.49116	0.688725	0
TMEM123	-0.06534	0.491194	0.688725	0
AP3D1	0.052845	0.491557	0.689108	0
SLC4A3	0.079593	0.49157	0.689108	0
HSD17B12	-0.06973	0.491764	0.689276	0
OTUD7B	-0.05725	0.491793	0.689276	0
FBXO21	-0.06225	0.492145	0.689594	0
IPO5P1	0.074783	0.49216	0.689594	0
MED15P9	-0.09378	0.492203	0.689594	0
DOCK4	-0.10555	0.49223	0.689594	0
ATG12	0.073603	0.492279	0.689594	0
KDSR	-0.08351	0.492408	0.689702	0
BICD2	-0.05533	0.492545	0.689821	0
U2AF2	0.054912	0.493019	0.690413	0
MAP9	-0.12451	0.493322	0.690765	0
AC138904	0.164408	0.493447	0.690833	0
SUGT1P1	-0.19335	0.493474	0.690833	0
SEPTIN7	-0.0656	0.493877	0.691324	0
RPUSD3	0.066254	0.493931	0.691327	0
FADS3	-0.10064	0.494159	0.691451	0
C2orf88	-0.16574	0.494184	0.691451	0
TMEM86B	-0.18681	0.494204	0.691451	0
CNKS2	-0.18138	0.494277	0.691451	0
KLHL17	-0.07052	0.494279	0.691451	0
ARMC7	0.06934	0.494351	0.691479	0
ZNF330	-0.0826	0.494436	0.691525	0
IFNGR2	0.058884	0.494503	0.691547	0
ANK3	-0.16859	0.494622	0.691641	0
KTI12	0.102821	0.495034	0.692144	0
KDM4A-AS1	0.161736	0.495227	0.692342	0
TMEM8B	0.102644	0.495349	0.69238	0
LMCD1	0.079498	0.495393	0.69238	0
FAM86C2F	0.10634	0.49541	0.69238	0
C17orf53	-0.07608	0.495692	0.692702	0
DSTNP2	0.09952	0.495899	0.692918	0
PABPC1	0.051021	0.495973	0.692942	0
AC068338	-0.16077	0.496021	0.692942	0
FAM222B	0.061266	0.496159	0.692974	0
NME2	0.153145	0.496184	0.692974	0
AC007611	0.181531	0.496199	0.692974	0

REXO1	0.060829	0.496597	0.693457	0
BCS1L	0.064532	0.496674	0.693492	0
LNP1	-0.11825	0.496965	0.693826	0
FBXL8	-0.10898	0.497101	0.693909	0
CHCHD1	0.062456	0.497178	0.693909	0
SLC11A1	0.192174	0.497181	0.693909	0
AQP11	-0.16634	0.497249	0.693932	0
GABARAPL	0.066538	0.497346	0.693995	0
AQP6	0.18597	0.497582	0.694213	0
SUCLG2	-0.06963	0.497624	0.694213	0
RCC2	0.05105	0.497659	0.694213	0
RAB9A	-0.08281	0.497837	0.694389	0
USP39	0.051775	0.497913	0.69441	0
AL109627.	0.106773	0.498007	0.69441	0
EMC8	0.061991	0.498009	0.69441	0
SULT4A1	-0.07753	0.498194	0.694597	0
TNK2	0.056752	0.498342	0.694701	0
SNAI2	-0.06672	0.498373	0.694701	0
DCAF7	-0.05024	0.498432	0.69471	0
AC002310.	-0.14235	0.498787	0.695132	0
KIAA1586	0.10191	0.498916	0.695239	0
AP001267.	0.166174	0.499213	0.69558	0
COPE	0.055008	0.499324	0.695662	0
AC131009.	0.182672	0.499465	0.695735	0
PPP6R3	-0.06421	0.49948	0.695735	0
HIST1H2AC	0.066509	0.499953	0.69632	0
AC008687.	0.165554	0.50008	0.696425	0
ARSA	0.090163	0.500168	0.696474	0
CARD9	0.087989	0.500242	0.696505	0
LAG3	0.145918	0.500363	0.696511	0
VPS37C	0.069434	0.50044	0.696511	0
ZNF426-D1	-0.19504	0.500481	0.696511	0
PHF13	0.057155	0.500496	0.696511	0
PARL	-0.09967	0.500508	0.696511	0
SWAP70	-0.0898	0.500594	0.696558	0
SPATA2	0.070474	0.500711	0.696648	0
RELB	0.080979	0.500934	0.696848	0
ERBB3	0.064954	0.500959	0.696848	0
ZNF846	-0.1199	0.501054	0.696907	0
AP003068.	0.099807	0.501241	0.697094	0
DPH3	-0.08381	0.501339	0.697158	0
AL669831.	0.173017	0.501434	0.697183	0
AC005077.	0.127819	0.501473	0.697183	0
DTD2	-0.09853	0.501548	0.697183	0

SCD5	-0.07124	0.501566	0.697183	0
AC092329	-0.11901	0.50174	0.697353	0
LINC00346	0.116346	0.501817	0.697387	0
RANBP10	0.058096	0.501951	0.6975	0
PSMC3	0.052465	0.502288	0.697895	0
LZTS3	0.073287	0.502445	0.698041	0
GNL2	-0.07288	0.502551	0.698116	0
AL121845	0.181415	0.502874	0.698278	0
MCM7	0.053221	0.502909	0.698278	0
PPP1R3B	-0.07387	0.50291	0.698278	0
TIPARP	-0.12184	0.502957	0.698278	0
SAAL1	-0.08001	0.502967	0.698278	0
IGLON5	-0.19609	0.502982	0.698278	0
CGRRF1	-0.1256	0.503218	0.698473	0
ELMOD3	0.06728	0.50328	0.698473	0
ODC1-DT	-0.10204	0.503303	0.698473	0
UNG	0.057214	0.503332	0.698473	0
PCDHGA1	-0.12178	0.50343	0.69848	0
SLC7A10	0.10333	0.503442	0.69848	0
KDM4D	-0.18895	0.503628	0.698664	0
GIPR	-0.08154	0.503687	0.698664	0
MRAP2	-0.07521	0.503732	0.698664	0
RPL7AP6	0.12775	0.503904	0.698713	0
PIGU	-0.08066	0.503955	0.698713	0
ADAT3	-0.08145	0.503986	0.698713	0
ZCCHC2	-0.08438	0.504025	0.698713	0
EEF1A1P1	-0.14394	0.504029	0.698713	0
SIRPA	0.064985	0.504221	0.698797	0
AC010326	-0.15529	0.504247	0.698797	0
ANKRD42	0.112422	0.504261	0.698797	0
AL513534	-0.19655	0.5043	0.698797	0
ZNHIT6	-0.11679	0.504706	0.69925	0
ENG	0.056533	0.504731	0.69925	0
RRBP1	0.051301	0.504943	0.69947	0
B4GAT1	0.06771	0.505065	0.699549	0
SRCAP	0.085726	0.505105	0.699549	0
PPIH	0.0624	0.50526	0.699661	0
ZNF343	-0.07858	0.50529	0.699661	0
RDH11	-0.06353	0.505471	0.699805	0
FOXK2	0.050267	0.505547	0.699805	0
LDLRAP1	0.077138	0.505552	0.699805	0
AP002387	0.196403	0.50574	0.699935	0
AC007663	-0.19586	0.505751	0.699935	0
SATB1-AS1	-0.18495	0.505871	0.700029	0

PARP8	-0.1637	0.505952	0.700034	0
SKIL	0.117875	0.506088	0.700034	0
C2orf15	-0.13084	0.5061	0.700034	0
KLHL18	-0.06305	0.506202	0.700034	0
CDKN2A	0.095558	0.506208	0.700034	0
CYP26B1	0.063716	0.506214	0.700034	0
EOMES	-0.18558	0.506261	0.700034	0
RENBP	-0.14754	0.506326	0.700034	0
AC020663	0.139559	0.506347	0.700034	0
RAB8A	-0.05786	0.506676	0.700416	0
ALDH1B1	-0.05379	0.506837	0.700566	0
GPRC5B	0.060042	0.507261	0.701013	0
EHD2	0.062927	0.507266	0.701013	0
AC127496	-0.18361	0.507367	0.701081	0
FAM160A1	-0.07082	0.50742	0.701081	0
GABPB2	-0.07936	0.507515	0.70114	0
SCPEP1	0.059563	0.507624	0.701218	0
FRG1BP	0.131456	0.507772	0.701335	0
ZRANB3	-0.09808	0.507814	0.701335	0
PDE5A	0.146808	0.507872	0.701342	0
EPCAM	0.199793	0.507945	0.70137	0
IFT57	0.080029	0.508202	0.701653	0
SDHAF1	0.07735	0.508401	0.701853	0
DUSP14	-0.06133	0.508453	0.701853	0
GOLPH3L	-0.06898	0.508627	0.702021	0
AC011498	-0.10363	0.509106	0.70261	0
DHX58	-0.09936	0.509252	0.702676	0
SORD2P	-0.09517	0.50926	0.702676	0
CTNND1	-0.05355	0.509415	0.702818	0
KANSL2	-0.06318	0.509514	0.702881	0
AL591848	0.146162	0.509642	0.702985	0
FNBP1	-0.05366	0.50971	0.703006	0
TCEAL3	0.079859	0.509781	0.703032	0
MCFD2	-0.05575	0.509855	0.70306	0
MTRES1	-0.09179	0.510032	0.703232	0
MEX3D	-0.0666	0.51014	0.703297	0
NCOA7	-0.12696	0.510184	0.703297	0
AC012640	-0.13496	0.51039	0.703491	0
PRUNE1	0.053916	0.51043	0.703491	0
TBC1D22A	0.078283	0.5106	0.703652	0
FP565260	0.144949	0.510817	0.703786	0
PRPF19	0.0521	0.510828	0.703786	0
PAFAH2	-0.07262	0.510877	0.703786	0
ZNF865	0.061915	0.510934	0.703786	0

TCF21	0.063949	0.510961	0.703786	0
CCDC112	-0.14257	0.511141	0.703961	0
CLOCK	-0.07797	0.511237	0.70402	0
AL354811	0.185465	0.511474	0.704266	0
JMJD6	-0.05325	0.511537	0.704266	0
DCAF6	-0.05837	0.511575	0.704266	0
BID	0.060327	0.511627	0.704266	0
ARPC5L	-0.06318	0.511922	0.704599	0
AC080038	0.1529	0.511996	0.704629	0
UXT-AS1	-0.1796	0.512096	0.704651	0
DNAJC7	-0.05766	0.512118	0.704651	0
MRPS25	-0.05505	0.512269	0.704787	0
AL356481	0.168939	0.512383	0.70487	0
ITPRIPL1	-0.05312	0.512459	0.704883	0
DBIL5P	-0.1905	0.512503	0.704883	0
GFM2	-0.06501	0.512551	0.704883	0
NSMAF	-0.0581	0.512898	0.705226	0
EEF1A1P9	-0.11096	0.513013	0.705226	0
AC062037	-0.1209	0.513075	0.705226	0
ACP6	0.060486	0.513084	0.705226	0
GAN	-0.13909	0.513109	0.705226	0
AL157996	-0.22767	0.513118	0.705226	0
MEX3B	0.075426	0.513277	0.705372	0
AC009078	-0.17131	0.513489	0.705591	0
HCG25	-0.15842	0.513755	0.705884	0
AQP7	0.124377	0.513841	0.705929	0
HAND2	0.064459	0.513922	0.705967	0
CORO2A	-0.08094	0.51412	0.706167	0
PABPC4	-0.05182	0.514221	0.706211	0
C5orf24	-0.06432	0.514361	0.706211	0
NGDN	0.06777	0.514374	0.706211	0
BRD3	-0.05759	0.514412	0.706211	0
ATP6AP1L	0.162365	0.514417	0.706211	0
MEIOB	-0.08519	0.514484	0.70623	0
WBP4	-0.10367	0.514657	0.706338	0
TTC21A	-0.13361	0.514799	0.706338	0
FOXO1	-0.1383	0.514813	0.706338	0
BAZ2A	0.049657	0.514871	0.706338	0
TIMM44	0.054738	0.514881	0.706338	0
RAB11FIP1	-0.05589	0.514919	0.706338	0
HCN2	-0.1486	0.514933	0.706338	0
ITPKB	0.063919	0.51512	0.706522	0
ZBTB49	-0.093	0.515259	0.706639	0
TM9SF1	-0.1158	0.515312	0.706639	0

EFHD2	0.058486	0.515387	0.706669	0
EEF2K	0.052897	0.515581	0.706863	0
APP	-0.05391	0.515748	0.706975	0
CNNM2	-0.05751	0.515769	0.706975	0
AL391244.	-0.09993	0.51605	0.707287	0
C15orf61	-0.08493	0.516207	0.707399	0
AKAP13	-0.06068	0.516238	0.707399	0
DYNC1LI1	-0.0742	0.516449	0.707616	0
ARHGEF9	-0.06258	0.516627	0.707787	0
CACNA1B	0.079235	0.516711	0.707829	0
RUBCN	-0.0678	0.516811	0.707894	0
CSF1	0.086894	0.517007	0.708089	0
ALKBH2	0.060483	0.517181	0.70813	0
SMPD4	0.05042	0.517188	0.70813	0
TMEM229	0.150809	0.517222	0.70813	0
MRPS18B	0.052702	0.517284	0.70813	0
GPC4	-0.06915	0.517302	0.70813	0
CAPZA2	0.083669	0.517369	0.70815	0
SLC4A1AP	0.064389	0.517433	0.708165	0
HOXC13	0.057717	0.517511	0.708198	0
CDK14	-0.08201	0.517665	0.708331	0
TANK	-0.06834	0.517747	0.708331	0
PPARA	0.079908	0.517806	0.708331	0
TMEM182	-0.10501	0.51784	0.708331	0
SWSAP1	0.105407	0.517874	0.708331	0
DIAPH1	-0.04879	0.518047	0.708495	0
AC083843.	-0.18829	0.518133	0.70854	0
TEN1	0.094894	0.518246	0.708623	0
GOLGA2P1	0.079915	0.518322	0.708654	0
PITPNA-AS	0.090184	0.51847	0.708769	0
DYM	-0.06927	0.518513	0.708769	0
NUDT9	-0.07388	0.518774	0.709053	0
LSP1P4	0.19765	0.518845	0.709077	0
NUDT11	-0.12512	0.518987	0.709189	0
IL18BP	-0.1036	0.519033	0.709189	0
ING3	-0.06673	0.519212	0.709306	0
DNAL1	-0.09828	0.519243	0.709306	0
LINGO1	0.143595	0.519279	0.709306	0
ZNF772	-0.10924	0.519367	0.709355	0
C11orf58	-0.05521	0.519464	0.709415	0
DHRS2	0.145002	0.519618	0.709552	0
PEX11B	-0.06751	0.519859	0.709782	0
TCF20	-0.05066	0.519893	0.709782	0
SSR4P1	-0.13661	0.519998	0.709852	0

DIS3L2	0.063116	0.520138	0.709972	0
CACTIN	0.061805	0.520669	0.710623	0
MRPS14	0.060209	0.520804	0.710735	0
GAR1	-0.0758	0.520886	0.710774	0
FOXK1	-0.053	0.52106	0.710939	0
ARHGEF17	0.0579	0.521169	0.711014	0
NTPCR	0.057343	0.521283	0.711047	0
RPL6	0.054032	0.521299	0.711047	0
ARL13B	-0.09239	0.521466	0.711201	0
SZT2	0.057735	0.521577	0.711239	0
SEC61B	-0.05294	0.5216	0.711239	0
ALKBH3	0.070041	0.521666	0.711255	0
CCDC84-D	-0.10545	0.521749	0.711297	0
C14orf119	0.058028	0.521887	0.711412	0
URB1	-0.05598	0.521987	0.711476	0
CLDN15	-0.07819	0.522216	0.711714	0
DHDDS	0.063942	0.522864	0.712455	0
SRRT	0.049784	0.522866	0.712455	0
C1orf43	0.048593	0.523003	0.712569	0
PIGL	0.100489	0.523312	0.712916	0
KDM3B	0.048425	0.523646	0.713259	0
INPP5J	-0.14763	0.523699	0.713259	0
ZNF436-AS	0.104444	0.523723	0.713259	0
NOCT	-0.08716	0.523831	0.71329	0
SLC12A9	0.063476	0.523878	0.71329	0
LINC02197	0.144363	0.523907	0.71329	0
GNA12	0.053612	0.524125	0.713514	0
SNX1	0.049068	0.524267	0.713613	0
ZNRF2	-0.14724	0.524304	0.713613	0
AMDHD2	0.077055	0.524385	0.713649	0
NUBPL	-0.11765	0.524457	0.713674	0
LINC01816	0.185744	0.524812	0.714061	0
TYW3	-0.07299	0.524848	0.714061	0
ELF1	0.07366	0.525031	0.714237	0
DDX24	0.052067	0.525266	0.714434	0
IGIP	-0.16687	0.525283	0.714434	0
INPP5D	-0.07754	0.525521	0.714685	0
TPST1	0.068456	0.525726	0.714692	0
RFTN1	-0.1316	0.525731	0.714692	0
SLC33A1	-0.09007	0.525773	0.714692	0
PDP2	0.052495	0.52579	0.714692	0
TMCC1-AS	-0.11556	0.525794	0.714692	0
DBF4B	-0.0741	0.525894	0.714755	0
HOXB-AS1	-0.09786	0.525993	0.714816	0

ZKSCAN4	0.081372	0.526051	0.714822	0
ZNF484	-0.11767	0.526158	0.714896	0
GRB2	0.050354	0.526288	0.714999	0
AC005076	0.147353	0.526744	0.715546	0
CNTROB	0.054643	0.527045	0.715745	0
FAM171A1	-0.05421	0.527057	0.715745	0
ZNF708	0.119005	0.52717	0.715745	0
GCLM	0.085562	0.527188	0.715745	0
PPP1R12A	-0.07201	0.527206	0.715745	0
SUSD3	0.109457	0.527216	0.715745	0
JRK	0.053063	0.527267	0.715745	0
ZNF627	-0.08735	0.527493	0.715979	0
TSPAN12	0.052264	0.527563	0.716002	0
FTH1P8	-0.12544	0.527652	0.716049	0
PTRH1	0.085772	0.527749	0.716108	0
TYSND1	0.056362	0.527851	0.716128	0
CNOT4	-0.08338	0.527915	0.716128	0
SP6	0.116103	0.527925	0.716128	0
TP53RK	-0.07401	0.528031	0.716199	0
KIAA0355	-0.06118	0.52822	0.716383	0
PHYKPL	0.07524	0.528354	0.716447	0
MMP3	0.089244	0.528375	0.716447	0
FAM228B	0.141666	0.5285	0.716544	0
KIAA0232	-0.06799	0.528887	0.716996	0
ZNF204P	-0.16917	0.529169	0.717305	0
NOP14-AS	0.077198	0.52954	0.717734	0
MIPEP	-0.06913	0.529658	0.717821	0
ACTR5	-0.06754	0.529844	0.718001	0
GLYCTK	-0.1029	0.530142	0.718323	0
AC073857	-0.15432	0.530189	0.718323	0
MCC	-0.06961	0.530491	0.718659	0
ZNF816	-0.1163	0.530748	0.718908	0
THSD7A	-0.16214	0.530829	0.718908	0
RAB3C	0.055493	0.530878	0.718908	0
PPP1R14B	0.133507	0.530891	0.718908	0
ZNF879	-0.1809	0.530991	0.718971	0
HNRNPLP2	-0.15691	0.531073	0.719008	0
ZNF17	-0.12629	0.531191	0.719069	0
MT-ATP8	0.052956	0.531225	0.719069	0
AHRR	0.167867	0.531343	0.719154	0
IDH3B	0.050513	0.53159	0.719416	0
TEDC1	-0.0677	0.531872	0.719724	0
CYB5RL	-0.07988	0.532018	0.719823	0
AC020915	0.067299	0.532052	0.719823	0

XAF1	-0.17162	0.532188	0.719933	0
AC113410	-0.15705	0.532346	0.720074	0
LHX6	-0.07936	0.532812	0.72058	0
GTF2E1	-0.0823	0.532828	0.72058	0
PPRC1	-0.05017	0.532945	0.720622	0
LINC01006	-0.12535	0.533039	0.720622	0
TEX2	-0.05982	0.533059	0.720622	0
STK3	-0.07742	0.533075	0.720622	0
PYGO2	0.051326	0.533289	0.720838	0
SLC41A3	0.057839	0.533369	0.720873	0
AC009061	0.122134	0.533477	0.720945	0
ARHGEF33	-0.1825	0.533546	0.720965	0
PBDC1	0.072626	0.533599	0.720965	0
ASRGL1	-0.09873	0.533671	0.720989	0
C5orf15	-0.06036	0.533727	0.720992	0
KCND1	-0.07882	0.533839	0.721069	0
SLC1A4	0.085171	0.533965	0.721158	0
KCNK6	0.152519	0.534039	0.721158	0
KSR1	0.068848	0.534067	0.721158	0
B4GALT4	-0.08424	0.534233	0.721309	0
CMPK1	0.074626	0.534462	0.721546	0
WDR4	0.057772	0.53458	0.721631	0
TCTA	0.064862	0.534824	0.721857	0
C6orf226	-0.11443	0.534855	0.721857	0
VSNL1	0.156913	0.535032	0.722022	0
FAM66B	-0.13491	0.53526	0.722171	0
PIK3AP1	-0.12852	0.535288	0.722171	0
TFIP11	0.054251	0.535305	0.722171	0
HDAC2	-0.0604	0.535476	0.722329	0
SF3B3	-0.04572	0.53558	0.722397	0
PARTICL	-0.09811	0.535676	0.722452	0
SGTB	-0.09583	0.535852	0.722554	0
SEPHS1	-0.04757	0.53586	0.722554	0
GMIP	0.070491	0.536336	0.722981	0
ADCY7	-0.0518	0.53641	0.722981	0
NMT2	-0.08723	0.536485	0.722981	0
LINC00869	0.156585	0.536525	0.722981	0
CPSF7	0.048852	0.536535	0.722981	0
CAMKK2	0.048001	0.536553	0.722981	0
TMEM63B	0.063307	0.536556	0.722981	0
PCMT1	-0.06047	0.536673	0.723066	0
ACOT7	0.054845	0.536809	0.723177	0
ZC3H15	0.064653	0.536952	0.723271	0
RAB12	-0.06973	0.536988	0.723271	0

AC005052	0.171608	0.537343	0.723676	0
ME1	-0.07368	0.537405	0.723686	0
BMP1	0.058927	0.537695	0.724004	0
AIMP1	-0.07078	0.537972	0.724206	0
MXD1	-0.07134	0.538005	0.724206	0
DDN	-0.07573	0.538008	0.724206	0
NCKIPSD	0.056245	0.538587	0.724771	0
FUT6	0.129002	0.538605	0.724771	0
MRPL18	-0.05371	0.538629	0.724771	0
TCAIM	-0.08399	0.538695	0.724771	0
MORF4L2	-0.05332	0.538743	0.724771	0
MORN3	0.102543	0.538754	0.724771	0
ARPC4	0.049689	0.53914	0.725217	0
CTNNA1	-0.04592	0.539219	0.725251	0
SLC35E1	-0.05041	0.53928	0.725259	0
KLHL26	-0.0746	0.539602	0.725598	0
TRIQK	0.101457	0.539641	0.725598	0
MTMR1	-0.06212	0.539712	0.725621	0
RNPEP	0.050272	0.539953	0.725817	0
AC078881	-0.09836	0.539967	0.725817	0
SLC25A21	-0.12668	0.540191	0.726045	0
GOSR1	-0.062	0.540529	0.726403	0
SLC19A1	0.057554	0.540713	0.726403	0
TDRKH	-0.05902	0.540735	0.726403	0
PMF1	-0.06425	0.54076	0.726403	0
CTSL	0.057207	0.540805	0.726403	0
AC073896	-0.16414	0.540947	0.726403	0
C19orf44	-0.06843	0.54097	0.726403	0
SAMD5	0.089872	0.54099	0.726403	0
POLM	0.066532	0.541015	0.726403	0
PRKCQ-AS1	-0.07957	0.541029	0.726403	0
KIZ	-0.09159	0.541057	0.726403	0
TRMT5	-0.07324	0.541245	0.72648	0
PARK7	0.049212	0.541247	0.72648	0
HDX	0.131837	0.541277	0.72648	0
CBWD2	0.098397	0.541359	0.726516	0
WWC2-AS1	0.136308	0.541738	0.726885	0
MXI1	-0.06985	0.541743	0.726885	0
STK33	-0.09682	0.54182	0.726916	0
LHX2	-0.14422	0.541995	0.727077	0
HNRNPKP4	-0.15617	0.542366	0.727356	0
PREP	0.045682	0.542394	0.727356	0
CCDC12	0.057589	0.542417	0.727356	0
COL9A2	0.062426	0.542421	0.727356	0

PIGZ	0.081762	0.542565	0.727476	0
AC254562	-0.16375	0.542722	0.727525	0
LINC01002	-0.10644	0.542775	0.727525	0
TMEM52	-0.16301	0.54282	0.727525	0
ZNF367	-0.08834	0.54282	0.727525	0
CAMKMT	-0.06746	0.542942	0.727615	0
KAT8	0.057514	0.543112	0.727709	0
CHRNA10	-0.18555	0.543144	0.727709	0
SH3BGR	0.12768	0.543176	0.727709	0
SNHG19	0.077595	0.543475	0.727987	0
PEX11A	0.077175	0.543492	0.727987	0
FAM120C	-0.07866	0.543737	0.72818	0
KCTD15	0.052518	0.543746	0.72818	0
KLF14	0.074515	0.543897	0.728306	0
CALCRL	0.071948	0.543949	0.728306	0
HMG2	-0.0474	0.544072	0.728397	0
RSPH14	0.15126	0.54417	0.728436	0
ADAMTSL5	-0.07218	0.54421	0.728436	0
IDI1	0.05824	0.544278	0.728438	0
RECK	-0.08148	0.54432	0.728438	0
NUDT5	-0.05101	0.54445	0.728538	0
VPS39	0.048301	0.544577	0.728634	0
SNHG17	-0.05283	0.54481	0.728873	0
ZNF398	-0.05925	0.544865	0.728873	0
TRIM56	-0.05421	0.545324	0.729399	0
SUV39H1	-0.0607	0.545367	0.729399	0
ZBTB10	-0.07723	0.545506	0.729512	0
CLRN1-AS1	0.161342	0.545716	0.729719	0
BNIP1	-0.07825	0.546019	0.730052	0
SCMH1	0.049877	0.546123	0.73009	0
HLA-DPA1	0.068444	0.546182	0.73009	0
ANO9	0.060902	0.546303	0.73009	0
TMEM185	-0.05032	0.54633	0.73009	0
ANXA2	0.048415	0.54637	0.73009	0
ZSCAN22	-0.07901	0.546464	0.73009	0
AC012676	-0.12793	0.546555	0.73009	0
DERL1	-0.05815	0.546618	0.73009	0
HS6ST2	0.059052	0.546624	0.73009	0
AC006449	0.129484	0.546625	0.73009	0
ELP2	-0.05782	0.546651	0.73009	0
FSD1L	-0.18247	0.546739	0.730134	0
BAG3	0.05121	0.546825	0.730134	0
RASSF7	0.07149	0.546848	0.730134	0
LMNTD2	-0.13746	0.54704	0.730209	0

SLC6A16	0.093799	0.547055	0.730209	0
SMIM30	0.100914	0.547068	0.730209	0
DDX12P	-0.08256	0.547214	0.730331	0
ZNF548	-0.07811	0.547398	0.730503	0
OPHN1	-0.08113	0.547613	0.730716	0
KCNK1	-0.09426	0.547765	0.730847	0
FAM210A	-0.0841	0.547955	0.730964	0
ARF6	-0.04634	0.547963	0.730964	0
WASH3P	0.092869	0.548055	0.731014	0
CD164L2	0.16555	0.548142	0.731057	0
TMEM199	-0.0668	0.548417	0.731351	0
NRIP3	-0.06062	0.548505	0.731353	0
KRT10	0.079512	0.548529	0.731353	0
GDPD1	0.116843	0.548903	0.73178	0
AC131235	-0.1701	0.549017	0.731828	0
FBXL20	-0.06106	0.54905	0.731828	0
HYLS1	0.109406	0.549533	0.732267	0
ELOA-AS1	-0.12867	0.549543	0.732267	0
THRAP3	-0.05069	0.549561	0.732267	0
SMG7	-0.04855	0.549627	0.732267	0
HAUS3	-0.09179	0.549669	0.732267	0
CDK13	-0.05737	0.549708	0.732267	0
AC138969	-0.09093	0.549892	0.732439	0
KIF22	-0.04699	0.550253	0.732839	0
MCHR1	0.085276	0.550323	0.732839	0
NR2F2	-0.05309	0.550371	0.732839	0
RBM15	-0.06063	0.550412	0.732839	0
RSPO2	-0.08555	0.550564	0.732945	0
RTF1	-0.05369	0.550636	0.732945	0
ARHGAP42	-0.17678	0.550657	0.732945	0
SF1	0.04623	0.550733	0.732973	0
HAT1	0.062478	0.550835	0.733036	0
POLE	-0.05034	0.550907	0.733058	0
AC116348	-0.14899	0.550995	0.733103	0
EIF5A	0.046553	0.551062	0.733104	0
TP73-AS1	-0.05782	0.551107	0.733104	0
PCSK1N	-0.11784	0.551179	0.733128	0
SELENOOL	-0.12681	0.551417	0.733371	0
BCRP2	0.118167	0.551528	0.733446	0
RPL7P9	0.127513	0.55172	0.733627	0
SMAD6	0.077973	0.551815	0.733681	0
CACNG8	-0.08702	0.552496	0.734512	0
AP000769	0.071909	0.552732	0.734754	0
TMX2	-0.04732	0.552828	0.734769	0

WARS	-0.06186	0.55289	0.734769	0
AL512353.	-0.12139	0.55295	0.734769	0
RRP7BP	-0.08286	0.552964	0.734769	0
ABCC2	-0.06197	0.553042	0.734799	0
ARL11	0.103117	0.553715	0.735619	0
TMEM9B- l	-0.13397	0.55377	0.735619	0
EIF4E	-0.08331	0.553968	0.735731	0
PCDHB10	0.146927	0.55409	0.735731	0
STMP1	0.061134	0.554095	0.735731	0
ZNF285	0.125714	0.554135	0.735731	0
DDR2	-0.04853	0.554139	0.735731	0
INPP5E	-0.06205	0.554185	0.735731	0
ID2-AS1	0.18285	0.554301	0.73579	0
AP002851.	0.215612	0.55438	0.73579	0
PUS3	-0.06733	0.554455	0.73579	0
FMR1	-0.07156	0.554467	0.73579	0
ADIPOR2	-0.04632	0.554505	0.73579	0
NPHP1	-0.11104	0.55493	0.736273	0
ZNF598	0.050357	0.554994	0.736273	0
AF117829.	0.137913	0.555074	0.736273	0
ZDHC8	0.053391	0.555111	0.736273	0
FGD4	-0.15342	0.555145	0.736273	0
ANAPC15	0.05512	0.555485	0.736635	0
ZNF687-A s	0.122622	0.555528	0.736635	0
TBC1D14	-0.04894	0.555785	0.736902	0
RTL6	0.049188	0.556233	0.737423	0
YTHDF2	-0.05057	0.55656	0.737782	0
MED21	-0.0776	0.556753	0.737965	0
LLGL2	0.062014	0.557074	0.73828	0
AC144652.	-0.1081	0.557102	0.73828	0
AP002360.	-0.08451	0.557709	0.739011	0
JUN	0.106933	0.55849	0.739898	0
PPIEL	-0.1517	0.558495	0.739898	0
EIF2AK1	-0.04653	0.558544	0.739898	0
GSTO1	0.049024	0.558762	0.740112	0
ZNF41	0.08246	0.558838	0.74014	0
LINC00513	-0.14924	0.558924	0.74018	0
CHRN1	0.061978	0.559049	0.740272	0
LZTS1	0.108651	0.559357	0.740581	0
RNF213-A s	0.14715	0.559407	0.740581	0
COQ6	0.071036	0.559463	0.740581	0
FTSJ1	0.052727	0.559505	0.740581	0
LGR4	-0.05899	0.55965	0.7407	0
HNRNPF	-0.04645	0.56011	0.741236	0

FOXRED2	0.047985	0.560243	0.741325	0
ZC4H2	0.054698	0.560289	0.741325	0
AP003900	0.16456	0.560364	0.741351	0
U91328.1	-0.13529	0.560493	0.741448	0
EML2-AS1	-0.14382	0.560891	0.741839	0
HAUS1	-0.09458	0.5609	0.741839	0
RHPN1	0.076911	0.56097	0.741858	0
BOLA3	0.057826	0.561105	0.741963	0
ZCCHC17	0.052282	0.561165	0.741969	0
PITHD1	-0.0535	0.561381	0.74218	0
PIM1	0.063281	0.561797	0.742656	0
SNORA73E	-0.16631	0.56189	0.742684	0
FXN	-0.06061	0.561929	0.742684	0
CTDSP2	0.044775	0.562038	0.742688	0
DHX38	0.045126	0.562126	0.742688	0
GLB1L	-0.08558	0.562127	0.742688	0
GK	-0.09632	0.562154	0.742688	0
LINC02609	0.139447	0.562283	0.742753	0
IRGQ	-0.06043	0.562403	0.742753	0
TMEM59	0.04889	0.562502	0.742753	0
AC137932	-0.15576	0.562516	0.742753	0
AC037459	0.146109	0.562516	0.742753	0
SNX7	0.045843	0.562607	0.742753	0
CELSR3	0.057652	0.562633	0.742753	0
AC013565	0.123175	0.562649	0.742753	0
RTF2	0.045713	0.56276	0.742825	0
ZNF575	0.146447	0.562896	0.742932	0
RAB18	-0.07542	0.563026	0.743029	0
RAB30-DT	-0.08247	0.563147	0.743116	0
LRFN1	0.070619	0.563207	0.743121	0
CSNK2A3	-0.15225	0.563778	0.74368	0
FKBP11	-0.10808	0.563795	0.74368	0
GGA3	0.049031	0.563798	0.74368	0
ABHD11	0.068384	0.563933	0.743785	0
GRIN3A	-0.17862	0.564285	0.744136	0
SNORA4	-0.22497	0.564311	0.744136	0
TIMM29	-0.06252	0.564457	0.744255	0
ZNF618	-0.04793	0.564769	0.744526	0
NDUFA10	0.045402	0.564774	0.744526	0
MRPS7	0.047034	0.564928	0.744553	0
DGKG	-0.0976	0.564954	0.744553	0
ADAM33	0.157145	0.564962	0.744553	0
SCN9A	-0.08388	0.565091	0.744649	0
RAD50	-0.16657	0.56516	0.744666	0

AC093752	0.112038	0.565751	0.745349	0
HNRNPA0	0.043246	0.56579	0.745349	0
GOLGA1	-0.06162	0.565921	0.745448	0
TSNAX	-0.06955	0.566027	0.745514	0
MIA2	-0.07529	0.566093	0.745528	0
RNF144B	-0.14751	0.566206	0.745602	0
RNF170	-0.07095	0.56644	0.745822	0
ZBTB11-AS	-0.11421	0.566502	0.745822	0
SERPINI1	-0.0941	0.566589	0.745822	0
STX1A	0.084574	0.566662	0.745822	0
LYRM2	-0.06583	0.566682	0.745822	0
AGA	0.112698	0.566708	0.745822	0
DUSP18	-0.08335	0.566945	0.74606	0
ZFAND4	-0.0926	0.567238	0.746372	0
ASPH	-0.04613	0.567315	0.746399	0
RRP8	0.057451	0.567764	0.746916	0
IGF2R	0.046142	0.568113	0.747293	0
OVGP1	0.076756	0.568162	0.747293	0
SECISBP2L	-0.06653	0.568412	0.747548	0
ZNF589	0.056882	0.568562	0.747671	0
TP53INP1	-0.05637	0.568731	0.747819	0
GNA15	0.119659	0.568964	0.747987	0
NAV2	0.151448	0.568971	0.747987	0
DNAJC8	-0.04744	0.569312	0.748359	0
GALM	0.054415	0.569412	0.748359	0
KDM5B	-0.05006	0.569503	0.748359	0
KIAA0100	0.042739	0.569533	0.748359	0
COX10-AS	-0.11138	0.569534	0.748359	0
IQCH-AS1	0.098166	0.570205	0.749167	0
ZNF383	0.08559	0.570285	0.749198	0
FSTL5	-0.16814	0.570413	0.749275	0
HIRA	0.046521	0.570456	0.749275	0
XYLB	-0.0711	0.570654	0.749461	0
MZT2A	0.052778	0.570792	0.749569	0
ACOX1	-0.0527	0.570849	0.74957	0
CEP68	0.051499	0.571062	0.749776	0
SWT1	-0.13432	0.571186	0.749864	0
AC026412	-0.09123	0.571492	0.750193	0
ATP5PD	0.049397	0.571939	0.750637	0
NRM	0.053457	0.57201	0.750637	0
RTN4RL1	-0.11855	0.572019	0.750637	0
AC103702	-0.06938	0.572101	0.750637	0
MTMR3	0.046844	0.572133	0.750637	0
TMEM198	0.066347	0.572168	0.750637	0

NAV1	0.054918	0.57226	0.750683	0
IL6R	0.125309	0.572436	0.75084	0
BNIP1	-0.1615	0.572521	0.750878	0
GPC6	-0.06416	0.572606	0.750911	0
AC073195	-0.15657	0.572659	0.750911	0
PLD6	-0.0728	0.572927	0.751189	0
MAP4	0.041694	0.573037	0.75125	0
TMEM35A	-0.07214	0.573087	0.75125	0
AC007240	0.132594	0.573143	0.75125	0
LINC02019	0.137786	0.573274	0.751348	0
SEC62	-0.0579	0.573852	0.751659	0
TEP1	-0.05784	0.573875	0.751659	0
EGFL7	0.098762	0.573887	0.751659	0
AC137894	-0.10187	0.573971	0.751659	0
NRGN	-0.08041	0.573994	0.751659	0
EPRS	-0.05887	0.574003	0.751659	0
AL139393	-0.1192	0.574018	0.751659	0
AC083805	0.140623	0.574045	0.751659	0
GTF3C2	-0.04254	0.574071	0.751659	0
AC012073	-0.07799	0.574102	0.751659	0
ATAD3B	0.052427	0.574167	0.751659	0
FAT4	-0.06975	0.574188	0.751659	0
IL12RB1	0.134929	0.574393	0.751783	0
ZNF274	0.057908	0.574396	0.751783	0
MKRN1	0.04443	0.574537	0.751895	0
GXYLT1	-0.06349	0.574653	0.751973	0
FRMD6	-0.07721	0.574714	0.751978	0
SRD5A3	-0.05552	0.574877	0.752118	0
ALDH16A1	0.056142	0.575162	0.752354	0
PPP1R26-A	0.107111	0.57517	0.752354	0
MMS19	0.044067	0.575419	0.752605	0
LAT2	0.091038	0.575529	0.752654	0
GLT8D2	-0.05158	0.575569	0.752654	0
AC011451	0.141248	0.575708	0.752762	0
PAXIP1-AS	-0.06967	0.576106	0.753186	0
DUSP1	0.068404	0.576145	0.753186	0
HULC	0.140217	0.576345	0.753373	0
C11orf54	-0.09442	0.576485	0.753451	0
AC008764	0.121502	0.576517	0.753451	0
STPG1	0.069469	0.576674	0.753582	0
CLTCL1	0.060713	0.576833	0.753705	0
DM1-AS	0.156991	0.576881	0.753705	0
NOP2	0.141185	0.576948	0.753719	0
NDUFAF6	-0.07362	0.577134	0.753887	0

AC139795	-0.14326	0.577248	0.753962	0
PPM1K	-0.10682	0.577514	0.754236	0
AC040160	-0.13967	0.577625	0.754307	0
BORCS7	-0.07344	0.577807	0.754471	0
RANBP1	-0.04501	0.578037	0.754697	0
ZNF678	-0.10072	0.578286	0.754877	0
POLG	0.045838	0.578288	0.754877	0
NPLOC4	-0.04341	0.578477	0.75505	0
HNRNPUL1	0.041366	0.578588	0.75512	0
KRTCAP3	-0.15355	0.578652	0.75513	0
CSRNP2	-0.05901	0.578891	0.755243	0
ZMYND8	-0.0472	0.578899	0.755243	0
CBS	-0.10081	0.578961	0.755243	0
AC005306	-0.11645	0.579016	0.755243	0
LINC02163	-0.15669	0.579067	0.755243	0
SAC3D1	0.052616	0.579096	0.755243	0
IL4I1	0.128183	0.579135	0.755243	0
ATF6	-0.05007	0.579263	0.755337	0
ITFG2	0.058793	0.579471	0.755367	0
TSKU	0.050584	0.579483	0.755367	0
SRRM2	-0.043	0.5795	0.755367	0
TCF3	-0.043	0.579576	0.755367	0
NR2F6	0.044984	0.579639	0.755367	0
CASP8	-0.05209	0.579661	0.755367	0
ZNF843	0.107806	0.579709	0.755367	0
LINC01703	0.103777	0.579779	0.755367	0
POLR1A	-0.04208	0.579877	0.755367	0
SPATS2	-0.04992	0.5799	0.755367	0
C1QL4	0.08212	0.57991	0.755367	0
AP002840	0.130614	0.580149	0.755605	0
LINC02139	0.103886	0.580268	0.755686	0
IST1	0.042585	0.580505	0.755895	0
UBE2R2	-0.04271	0.580626	0.755895	0
GKAP1	-0.10352	0.58065	0.755895	0
AL117336	0.118127	0.580655	0.755895	0
FMC1	-0.11907	0.580728	0.755916	0
PRPF40A	-0.05329	0.580841	0.755989	0
GMCL1	-0.06436	0.580996	0.756118	0
TMEM42	0.068088	0.581127	0.756214	0
KIAA1211	-0.05712	0.581338	0.756415	0
AC087741	-0.07349	0.581452	0.756489	0
TNFSF9	0.092712	0.581537	0.756526	0
SLC25A44	0.047635	0.581602	0.756537	0
BORCS8	0.061482	0.581709	0.756602	0

CKB	0.085083	0.581778	0.756618	0
SMYD2	-0.05867	0.582276	0.757159	0
DNAJC27	-0.09721	0.582341	0.757159	0
DECR1	0.049172	0.582365	0.757159	0
MRTO4	0.043158	0.582545	0.757319	0
CREG2	-0.07822	0.582624	0.757349	0
DAZAP1	-0.04441	0.582681	0.757349	0
LINC00958	0.16243	0.582829	0.757467	0
RPL10P16	0.14492	0.582902	0.757489	0
CHD1L	0.062647	0.582978	0.757514	0
XPNPEP2	0.188645	0.583134	0.757643	0
CIRBP	0.045299	0.583222	0.757682	0
NECTIN4	-0.05812	0.583323	0.757741	0
ARMC5	0.057537	0.583457	0.757841	0
GP1BB	-0.10871	0.583546	0.757882	0
OSTF1	-0.06905	0.583615	0.757889	0
ZDHH4	0.047475	0.583665	0.757889	0
MTMR2	-0.06064	0.583741	0.757914	0
GUSBP2	-0.13673	0.583846	0.757962	0
ARHGAP26	-0.16999	0.583892	0.757962	0
PLAC8	0.092843	0.584074	0.758125	0
SH3BP2	-0.0494	0.584133	0.758128	0
AC004408	0.105446	0.584287	0.758175	0
FLVCR2	-0.09674	0.584372	0.758175	0
TENT4B	-0.07127	0.584392	0.758175	0
SPOCD1	0.082667	0.584397	0.758175	0
PTPRE	-0.09199	0.584476	0.758204	0
AC012306	-0.11885	0.58468	0.758395	0
AC084125	-0.138	0.584744	0.758403	0
CCDC26	-0.13987	0.584906	0.75854	0
COL5A1	-0.11002	0.585002	0.758555	0
ZNF3	0.046614	0.585031	0.758555	0
AIFM3	0.068713	0.585204	0.758705	0
CACNA1H	0.049123	0.585324	0.758772	0
FOXN3-AS1	-0.14659	0.585369	0.758772	0
ZNF641	-0.05378	0.585573	0.758962	0
CYP27C1	-0.06108	0.585977	0.759412	0
SYNGAP1	0.047904	0.586145	0.759556	0
WHRN	0.052953	0.58629	0.75967	0
CNTN4	-0.16886	0.586393	0.759729	0
CDK20	0.071921	0.586511	0.759809	0
C8orf88	-0.10275	0.586589	0.759836	0
LMBRD2	-0.10335	0.586896	0.760159	0
PCDHGA5	-0.12543	0.587424	0.76061	0

NPEPPS	-0.04296	0.587472	0.76061	0
DPM2	0.05079	0.587546	0.76061	0
LEMD2	0.05138	0.587577	0.76061	0
GTF2H2B	-0.12301	0.587607	0.76061	0
GNB5	-0.05488	0.587653	0.76061	0
MRPL44	-0.04942	0.587662	0.76061	0
PRDM8	-0.1545	0.5877	0.76061	0
ATP1A1-AS1	-0.08327	0.587859	0.760703	0
MSRB3	-0.04301	0.587886	0.760703	0
AC011450	-0.08997	0.588448	0.761357	0
AC008443	0.084383	0.588554	0.76142	0
TRPV1	0.074139	0.589049	0.761986	0
CADPS2	-0.08234	0.589121	0.762005	0
USP27X-AS1	-0.13349	0.589508	0.762368	0
TICAM1	0.061965	0.589516	0.762368	0
CPQ	0.112626	0.589717	0.762554	0
WASF2	0.04154	0.589959	0.762741	0
FNDC3B	-0.05439	0.589975	0.762741	0
CCDC159	0.092212	0.590287	0.76307	0
SLC38A6	-0.08682	0.590398	0.763139	0
SERINC3	-0.05209	0.590588	0.76331	0
CEBPZOS	-0.05481	0.590672	0.763329	0
CCDC84	-0.08576	0.590717	0.763329	0
DNALI1	0.064121	0.590986	0.763603	0
RSAD1	0.042805	0.591128	0.763712	0
C11orf80	0.071103	0.5915	0.764119	0
U47924.2	-0.15629	0.591894	0.764554	0
CISD1	0.060932	0.592022	0.764646	0
HGSNAT	0.048665	0.592234	0.764844	0
CTU1	-0.08876	0.592643	0.765299	0
LAMC3	0.052191	0.593066	0.765616	0
KLLN	0.095821	0.5931	0.765616	0
GIGYF2	-0.04689	0.593129	0.765616	0
DHRS4-AS1	-0.06283	0.593167	0.765616	0
PAQR4	0.049854	0.593176	0.765616	0
RALGPS1	0.095145	0.593322	0.765645	0
FAM171A2	0.061097	0.593336	0.765645	0
TCF15	-0.13647	0.593371	0.765645	0
AGFG2	0.058551	0.593438	0.765658	0
TXLNA	0.042812	0.593604	0.765782	0
LINC01144	-0.13917	0.593649	0.765782	0
MTA1	0.043252	0.593931	0.766071	0
SORL1	-0.04409	0.594426	0.766567	0
NBR1	-0.04337	0.59443	0.766567	0

TCF7L2	-0.05355	0.594511	0.766598	0
RTN3	-0.04484	0.594609	0.766649	0
AP000251	-0.09782	0.594774	0.766789	0
CCDC88C	-0.06411	0.594881	0.766794	0
POLR2C	0.041866	0.594912	0.766794	0
RPL10AP6	-0.1107	0.594972	0.766794	0
MRPS33	0.079431	0.595022	0.766794	0
SMYD4	-0.05573	0.595158	0.766794	0
TMEM145	0.055898	0.595171	0.766794	0
EP400	-0.04126	0.595181	0.766794	0
MGAT5B	0.118388	0.595691	0.767279	0
BAG1	0.047915	0.595695	0.767279	0
SLC66A3	-0.06752	0.59573	0.767279	0
AFF1	-0.05269	0.596037	0.767599	0
FGF13	0.148944	0.596512	0.768114	0
TMEM251	0.099061	0.596561	0.768114	0
AC009403	-0.13142	0.596687	0.768114	0
LAMC1	-0.0402	0.596739	0.768114	0
CZIB	-0.05282	0.596779	0.768114	0
AC092279	-0.07562	0.596782	0.768114	0
HIST1H2AF	0.106913	0.596924	0.768222	0
TMEM39A	-0.04971	0.597288	0.768499	0
MYH9	0.039228	0.597288	0.768499	0
AC004816	-0.10136	0.597319	0.768499	0
TMEM100	0.153262	0.597369	0.768499	0
BCL2L13	0.044404	0.597497	0.768589	0
AC010624	0.149806	0.597795	0.768899	0
HDAC9	-0.09119	0.597868	0.768919	0
ZMYND15	0.061679	0.59795	0.768936	0
DCN	0.050563	0.597997	0.768936	0
FN3KRP	-0.04635	0.598096	0.768936	0
HCCS	-0.05207	0.598166	0.768936	0
LINC01841	0.150354	0.598228	0.768936	0
TMEM14A	-0.06017	0.598253	0.768936	0
AL583785	0.121638	0.598285	0.768936	0
FAM83G	0.055631	0.598478	0.76911	0
USP46-AS1	0.125154	0.598589	0.769178	0
CORO6	0.064782	0.598704	0.769191	0
CTNNA2	0.099761	0.598715	0.769191	0
KIAA1324	0.126083	0.598943	0.76941	0
KTN1-AS1	0.076502	0.599108	0.769524	0
BTN2A2	-0.05564	0.599147	0.769524	0
NRBP2	-0.05409	0.599478	0.769875	0
CALCB	-0.09961	0.599801	0.770215	0

BMP8B	-0.05707	0.599892	0.770258	0
GNS	0.040767	0.600175	0.770529	0
DNAJC2	-0.07966	0.600219	0.770529	0
CCDC34	-0.07049	0.600318	0.770562	0
PINCR	-0.13627	0.60036	0.770562	0
SLC22A18	-0.09652	0.600634	0.770839	0
RARS2	-0.05212	0.601102	0.771365	0
CCNYL2	-0.11849	0.6012	0.771417	0
MYO5A	0.104363	0.601402	0.771531	0
RNF26	0.042273	0.601414	0.771531	0
NEK3	-0.0802	0.601462	0.771531	0
KCNAB3	0.063247	0.601541	0.771559	0
DENND10	0.064806	0.601899	0.771856	0
OPRL1	-0.14933	0.601962	0.771856	0
NPIPP1	-0.10534	0.601993	0.771856	0
NSL1	-0.06116	0.602005	0.771856	0
MYLK-AS1	-0.10608	0.602187	0.77196	0
PKN2	-0.06736	0.60225	0.77196	0
TTF1	-0.07198	0.60226	0.77196	0
ZBED3-AS1	-0.11751	0.602318	0.771961	0
LINC01515	-0.12534	0.602476	0.772045	0
PCSK6	-0.04704	0.6025	0.772045	0
IPP	-0.06376	0.602663	0.772114	0
EIF4A1P2	-0.14317	0.602669	0.772114	0
FAM86C1	0.065394	0.60289	0.772322	0
SLC7A8	0.094299	0.603288	0.772745	0
MPV17	0.04477	0.603385	0.772745	0
COL9A3	-0.04486	0.603394	0.772745	0
PAQR8	-0.06463	0.603601	0.772936	0
CCDC9B	0.07503	0.603712	0.773004	0
DCAF8	0.040951	0.604066	0.773383	0
HIST1H2BE	0.145177	0.604488	0.773814	0
AP1AR	-0.07296	0.604519	0.773814	0
ANKRD52	0.04139	0.60473	0.773987	0
LINC00683	-0.11529	0.604788	0.773987	0
AC091980	0.090576	0.604828	0.773987	0
RBM6	-0.04905	0.605005	0.774139	0
ARPC2	-0.04169	0.605175	0.774199	0
TECPR1	0.056581	0.605203	0.774199	0
WASHC2C	-0.0568	0.605316	0.774199	0
ACTBP2	-0.1697	0.605372	0.774199	0
COL3A1	0.039868	0.605487	0.774199	0
PLD5	-0.10679	0.60549	0.774199	0
NMNAT1	-0.05783	0.605493	0.774199	0

KAT14	0.057227	0.605548	0.774199	0
NHSL2	-0.05584	0.605575	0.774199	0
FYCO1	0.048294	0.605665	0.774241	0
GNPDA1	0.039585	0.605746	0.774263	0
MARS	0.040782	0.605799	0.774263	0
SNX30	-0.05521	0.606121	0.774416	0
ELMOD2	0.076828	0.606131	0.774416	0
KIAA1671	-0.04774	0.606212	0.774416	0
FAM120B	-0.05446	0.606237	0.774416	0
PDIA6	-0.03873	0.606242	0.774416	0
MAPK10	-0.15322	0.606267	0.774416	0
GDPGP1	0.100606	0.606471	0.774515	0
ATL3	-0.0492	0.606497	0.774515	0
VAPB	-0.04488	0.606566	0.774515	0
CLN6	-0.04536	0.606666	0.774515	0
STAG3L5P	0.093054	0.606684	0.774515	0
VSIG10L	0.062506	0.606693	0.774515	0
LEFTY2	-0.07589	0.6068	0.774575	0
GNB1L	0.058705	0.606856	0.774575	0
PKD1	-0.0438	0.606977	0.774655	0
NR2F1-AS1	-0.06488	0.607193	0.774834	0
STAT5B	0.040406	0.607233	0.774834	0
GABARAPL	-0.04639	0.607563	0.775141	0
EXD2	0.050121	0.607634	0.775141	0
MPP1	0.057139	0.607648	0.775141	0
HOXD9	0.069371	0.607825	0.775293	0
CFLAR	-0.05167	0.608026	0.775475	0
SNORD55	-0.13005	0.608194	0.775503	0
CELSR1	0.042437	0.608212	0.775503	0
FSBP	-0.15917	0.608223	0.775503	0
FAR2P4	-0.11595	0.608583	0.775794	0
AOPEP	-0.06358	0.608626	0.775794	0
SLC31A2	-0.08893	0.608626	0.775794	0
CCDC90B	0.065772	0.608824	0.775911	0
CALB1	-0.10546	0.608834	0.775911	0
PHF8	0.041961	0.609249	0.776366	0
ATP9A	0.045397	0.609355	0.776373	0
ASH2L	-0.04717	0.609414	0.776373	0
AC125232	0.14248	0.609429	0.776373	0
LIMD1	-0.04609	0.610197	0.777165	0
ACOT9	0.04539	0.610213	0.777165	0
WDR66	-0.1063	0.610225	0.777165	0
AC097658	0.128855	0.610346	0.777244	0
RPAP2	-0.07646	0.610539	0.777295	0

DCHS1	0.112525	0.610544	0.777295	0
PELO	0.05265	0.610561	0.777295	0
TAF1A-AS1	0.146302	0.61082	0.777551	0
NEXMIF	-0.06997	0.610927	0.777613	0
MTND4P1	0.078957	0.611239	0.777864	0
AL035252	0.13989	0.611241	0.777864	0
FAM92B	0.069179	0.611501	0.778121	0
NUDT19	-0.05634	0.611706	0.778306	0
AP4S1	-0.09035	0.611805	0.778358	0
RPAP1	0.043005	0.611917	0.77837	0
CEP164	0.043553	0.611931	0.77837	0
DNAJA3	0.042208	0.612071	0.778475	0
BTN2A3P	-0.05851	0.61218	0.778539	0
IDUA	0.079637	0.612344	0.778672	0
PAX9	0.064483	0.612402	0.778672	0
CASP10	-0.0654	0.612543	0.778712	0
VAMP1	-0.05737	0.61255	0.778712	0
FUNDC1	0.062922	0.612754	0.778865	0
MARK2	0.045227	0.612844	0.778865	0
ADM5	-0.12095	0.612845	0.778865	0
SLC25A12	-0.04192	0.61309	0.779101	0
KRBA2	0.122987	0.613509	0.779491	0
EIF4A3	-0.0394	0.613514	0.779491	0
AC020917	-0.1489	0.613617	0.779548	0
AC104619	0.111158	0.613721	0.779549	0
NDRG3	-0.03901	0.613734	0.779549	0
PPM1H	-0.14461	0.613844	0.779614	0
RALB	-0.04233	0.613936	0.779656	0
ERAL1	0.041601	0.614135	0.779834	0
MAFG	0.041905	0.614306	0.779977	0
KIF3A	-0.07037	0.614437	0.780069	0
KLHL3	-0.05646	0.6146	0.780171	0
ZNF468	-0.09713	0.614634	0.780171	0
FECH	0.047878	0.614835	0.780352	0
COA4	0.04215	0.614958	0.78043	0
TRAPPC6B	-0.06862	0.61509	0.78043	0
CD3EAP	-0.04529	0.615116	0.78043	0
PCAT14	0.072681	0.615131	0.78043	0
CHRNE	0.121357	0.615295	0.780565	0
TADA2B	-0.04818	0.615432	0.780664	0
TMEM192	-0.05404	0.615822	0.781084	0
AL445250	-0.08477	0.616109	0.781257	0
LRRC8C-D1	-0.12283	0.616137	0.781257	0
LINC02693	-0.04978	0.61622	0.781257	0

RAB33B	-0.0842	0.616317	0.781257	0
PSTPIP2	-0.0707	0.616324	0.781257	0
TSHZ3	-0.05558	0.616418	0.781257	0
TRMT61A	0.061412	0.616422	0.781257	0
RASSF8	0.067921	0.616427	0.781257	0
POLB	0.053999	0.616608	0.781319	0
NFKBIB	-0.05271	0.616651	0.781319	0
TANGO6	0.050203	0.616719	0.781319	0
LETM1	0.041934	0.616722	0.781319	0
AC139795	0.112433	0.616769	0.781319	0
SOBP	-0.05188	0.616832	0.781325	0
ABHD6	0.071161	0.617062	0.781483	0
TOR3A	0.040458	0.617074	0.781483	0
STEAP1	-0.05713	0.617333	0.781736	0
ZNF692	-0.0431	0.61756	0.78195	0
ZNF837	-0.08638	0.617708	0.781977	0
IQCH	0.124426	0.617735	0.781977	0
ITGA9-AS1	0.083626	0.617757	0.781977	0
PCDHB11	-0.06741	0.618222	0.782491	0
ZNF174	0.050951	0.618348	0.782557	0
FAM200A	-0.08741	0.618501	0.782557	0
FBXO24	0.127209	0.618538	0.782557	0
CCNG1	0.044422	0.618597	0.782557	0
MYPOP	0.056922	0.618608	0.782557	0
S1PR2	0.056389	0.618627	0.782557	0
GNPTAB	-0.05767	0.618774	0.78267	0
FUCA2	-0.04079	0.618841	0.782673	0
GTF2F2	0.060967	0.618894	0.782673	0
LHX9	-0.1125	0.61909	0.782764	0
DUSP7	0.046881	0.619103	0.782764	0
RBM15-AS	0.127442	0.619143	0.782764	0
IL1R1	-0.08371	0.619282	0.782866	0
SEC61G	0.051046	0.619403	0.782945	0
SPTLC2	-0.054	0.619779	0.783346	0
SYNJ2BP	-0.04987	0.619893	0.783355	0
BCDIN3D	-0.06058	0.619904	0.783355	0
AC090589	0.140911	0.620002	0.783404	0
TOMM40	-0.0394	0.620389	0.783819	0
TMEM127	0.043148	0.6206	0.784002	0
TRAK2	-0.05347	0.620651	0.784002	0
PDXK	0.040392	0.620977	0.784283	0
ZNF675	-0.09705	0.620991	0.784283	0
AL392172	0.106713	0.621384	0.784705	0
CREM	-0.08675	0.621772	0.785121	0

GDF15	0.063413	0.621941	0.78526	0
PRKAR1A	-0.04636	0.622065	0.785307	0
KBTBD7	0.05511	0.622112	0.785307	0
FKBP7	0.067484	0.622155	0.785307	0
TIMM10	0.051504	0.622235	0.785333	0
PKMYT1	-0.04493	0.622309	0.785352	0
DIAPH2	-0.06642	0.622499	0.785418	0
KCNIP3	0.049383	0.622508	0.785418	0
ERVK9-11	-0.13763	0.622538	0.785418	0
C9orf116	0.087498	0.622627	0.785457	0
SLC29A3	0.113654	0.622735	0.785518	0
HASPIN	-0.05534	0.622838	0.785574	0
RBAK	-0.07491	0.623065	0.785786	0
SRFBP1	0.085624	0.623321	0.786034	0
ZNF573	-0.10051	0.62343	0.786097	0
AC105942	-0.05447	0.623646	0.786296	0
AC010343	0.121492	0.623734	0.786332	0
STT3A	0.036983	0.623807	0.78635	0
SGPL1	-0.04162	0.623916	0.786413	0
ACAT1	-0.04425	0.624049	0.786506	0
SSBP3	0.040518	0.624176	0.786592	0
TREX2	0.139702	0.624538	0.786974	0
GTF2A2	-0.05055	0.624601	0.786978	0
PFN2	0.040848	0.62486	0.787219	0
ATP6V1B2	-0.03992	0.62491	0.787219	0
PRPF8	0.035614	0.62505	0.78732	0
DTYMK	-0.04124	0.625221	0.787447	0
PIGP	-0.05848	0.62536	0.787447	0
KCTD14	-0.06308	0.625364	0.787447	0
AP006621	-0.07905	0.625386	0.787447	0
TPM3P9	-0.09128	0.625735	0.787811	0
PLPPR2	0.052911	0.625793	0.787811	0
RNF214	0.047847	0.625895	0.787864	0
WASF3	-0.04504	0.626015	0.78793	0
HNRNPA1F	-0.13722	0.626066	0.78793	0
MAEA	0.040409	0.626405	0.788283	0
LINC00476	0.074963	0.626667	0.788439	0
SCARNA12	0.088854	0.626733	0.788439	0
ITFG2-AS1	0.145026	0.62676	0.788439	0
E2F4	0.04017	0.626765	0.788439	0
STX3	-0.04512	0.626892	0.788524	0
C8orf33	0.042796	0.627059	0.78866	0
CMPK2	0.099821	0.627189	0.788748	0
SP110	0.06154	0.627311	0.788827	0

ANKMY1	0.054219	0.627377	0.788836	0
GTPBP3	0.046022	0.627526	0.788885	0
GJA1	-0.04595	0.627534	0.788885	0
ST3GAL2	0.043486	0.627597	0.78889	0
AL513477.	0.102534	0.627662	0.788897	0
KLF16	0.046997	0.627734	0.788913	0
ARID4B	-0.05677	0.627902	0.789012	0
ZNF674	0.114186	0.627931	0.789012	0
IGBP1	0.041506	0.628132	0.78915	0
MICAL3	-0.04571	0.628159	0.78915	0
MOCS3	0.056442	0.628321	0.789262	0
RAB21	-0.06007	0.628381	0.789262	0
AC134772.	-0.11651	0.628426	0.789262	0
DHFR2	0.061057	0.628851	0.789721	0
RPS27AP2	0.124068	0.628917	0.789729	0
TAF12	0.044039	0.629219	0.790034	0
IFT20	0.052962	0.629337	0.790108	0
AC073073.	0.137899	0.62953	0.790234	0
SLC45A3	-0.06493	0.629556	0.790234	0
FBF1	-0.04983	0.629628	0.790251	0
CLCN3	-0.04827	0.629845	0.790448	0
NUDCD1	-0.05504	0.630137	0.790703	0
SERF1B	0.106242	0.630166	0.790703	0
PPIF	-0.03998	0.630373	0.790887	0
AC024075.	-0.1028	0.63044	0.790898	0
MLLT1	0.038368	0.630549	0.790959	0
ZC3H6	-0.09214	0.630689	0.79106	0
USP8	-0.05534	0.631359	0.791774	0
FAIM	-0.06576	0.631376	0.791774	0
PHF2	0.03969	0.631436	0.791774	0
AL162253.	-0.11589	0.631687	0.791981	0
PRSS36	-0.11963	0.631719	0.791981	0
AC010336.	-0.1349	0.631801	0.792008	0
USP33	-0.05407	0.631971	0.792148	0
XKR6	-0.10444	0.632354	0.792528	0
AC007773.	-0.10395	0.632412	0.792528	0
ZBED9	-0.16095	0.632483	0.792528	0
ACYP2	0.066496	0.632512	0.792528	0
AC005261.	-0.07887	0.632634	0.792606	0
AP001453.	0.090291	0.632785	0.79272	0
BBS5	0.068133	0.632867	0.792748	0
WDR53	-0.07388	0.632954	0.792783	0
PGPEP1L	0.062638	0.633309	0.793154	0
DNAH100!	0.056143	0.633489	0.793304	0

TSR2	0.043216	0.633572	0.793334	0
ZNF620	-0.10927	0.633771	0.793423	0
PSMG4	-0.0498	0.633855	0.793423	0
F11R	0.042801	0.633875	0.793423	0
VPS4B	-0.07589	0.63394	0.793423	0
AC023509	0.112301	0.634041	0.793423	0
PPP2R5D	0.037147	0.634048	0.793423	0
LINC01547	-0.06309	0.63406	0.793423	0
HINT3	-0.08725	0.634293	0.79364	0
DNMT3A	-0.03819	0.634374	0.793667	0
TOP2B	-0.04488	0.634459	0.793698	0
FAM214A	-0.07206	0.634588	0.793722	0
TPPP	0.115481	0.634597	0.793722	0
ATP9B	0.061668	0.63479	0.79389	0
RCN2	-0.04966	0.634977	0.794049	0
DCAF5	0.038713	0.635124	0.794091	0
EGR2	0.145223	0.635162	0.794091	0
EEF1A1	-0.03953	0.635189	0.794091	0
PABPN1	-0.04149	0.635309	0.794166	0
AP003721	-0.12403	0.635531	0.794361	0
AC243964	0.101666	0.635584	0.794361	0
TRPC4	-0.08908	0.635716	0.794451	0
ALG10	-0.09488	0.635874	0.794574	0
ZDHHC7	0.038228	0.635952	0.794598	0
LINC02434	-0.0752	0.636079	0.794682	0
RBSN	-0.04247	0.636293	0.794767	0
AP003119	-0.11846	0.63631	0.794767	0
TTC9C	0.046147	0.636326	0.794767	0
AC120114	-0.07914	0.636526	0.794943	0
CDC45	-0.04515	0.63698	0.795239	0
GALNT17	0.136073	0.637001	0.795239	0
SMIM26	-0.05114	0.637022	0.795239	0
PLPP1	-0.05852	0.637055	0.795239	0
AC102953	0.094828	0.637062	0.795239	0
AC027097	0.093678	0.637152	0.795277	0
SNHG7	0.044809	0.637302	0.795354	0
ZNF527	0.080229	0.637333	0.795354	0
MINDY3	-0.06598	0.637417	0.795385	0
TNFSF13	-0.07167	0.637711	0.795635	0
COP1	-0.04417	0.637737	0.795635	0
SVBP	-0.05632	0.637861	0.795638	0
CDC42SE1	-0.03776	0.637895	0.795638	0
FAM83H	0.045887	0.63799	0.795638	0
NR4A2	-0.09719	0.638017	0.795638	0

AKT3	-0.05149	0.638082	0.795638	0
OCLN	-0.06933	0.638098	0.795638	0
ZNF697	-0.06321	0.638161	0.795643	0
RDX	-0.04566	0.638473	0.795916	0
PCYT1A	-0.04014	0.6385	0.795916	0
SDHAP3	-0.06454	0.639209	0.796725	0
ZMYND11	-0.04828	0.639432	0.79693	0
DRG1	-0.03793	0.639615	0.797083	0
AC093157	-0.07079	0.639821	0.797264	0
FAM114A1	0.044676	0.640188	0.797545	0
B3GLCT	-0.0619	0.640194	0.797545	0
PIGG	-0.04325	0.640256	0.797545	0
SAMD4B	0.036005	0.640285	0.797545	0
ILKAP	0.042883	0.640365	0.797569	0
C2orf42	-0.05554	0.640459	0.797612	0
ZRSR2	-0.06697	0.640661	0.79779	0
HACD1	0.055476	0.640896	0.798008	0
NOL7	-0.04646	0.641003	0.798021	0
GPAM	-0.06251	0.641068	0.798021	0
TLK1	-0.04515	0.641126	0.798021	0
TIAF1	-0.09776	0.641158	0.798021	0
ZC3H4	-0.03985	0.641206	0.798021	0
AC138649	-0.13352	0.641295	0.798057	0
HOXC-AS3	-0.10562	0.641407	0.798062	0
ZNF382	-0.08204	0.641418	0.798062	0
DTX3L	-0.06185	0.641544	0.798086	0
AC090617	-0.12642	0.641573	0.798086	0
RPA3	-0.05076	0.641617	0.798086	0
RABGGTA	0.045534	0.641715	0.798126	0
SPINT2	0.083296	0.641769	0.798126	0
AL592166	-0.10882	0.64193	0.798198	0
DNAJC27-1	0.138273	0.641947	0.798198	0
TXNL1	0.045982	0.642246	0.798495	0
NPC1	0.04136	0.642418	0.798634	0
LPIN1	-0.03928	0.642687	0.798812	0
MRPL16	-0.03915	0.642738	0.798812	0
NCAPH2	0.042452	0.64274	0.798812	0
AC098934	0.096182	0.642828	0.798847	0
MPHOSPH	0.051316	0.6431	0.799098	0
ZXDC	-0.04948	0.64315	0.799098	0
KITLG	-0.14609	0.643413	0.799325	0
GTF3C5	0.039111	0.643453	0.799325	0
CRISPLD1	0.081487	0.643531	0.799329	0
CCNK	-0.04359	0.643576	0.799329	0

SERPINE1	0.057146	0.643673	0.799375	0
AC016397	-0.11282	0.643954	0.799585	0
SLC9A9	-0.03903	0.643962	0.799585	0
AC007541	0.113066	0.644311	0.799814	0
POU6F1	-0.05753	0.644314	0.799814	0
M6PR	0.037092	0.644327	0.799814	0
FAM66C	-0.0926	0.6447	0.800177	0
LINC01460	0.09396	0.644786	0.800177	0
AC002116	0.120621	0.644799	0.800177	0
PLEKHG6	0.075503	0.64494	0.800278	0
CD72	0.118782	0.645228	0.800561	0
GLOD4	-0.0373	0.645435	0.800722	0
OXR1	0.063111	0.645478	0.800722	0
TOMM70	-0.04264	0.645587	0.800782	0
NDUFAF1	-0.05742	0.645873	0.800878	0
ASB9	0.098125	0.645889	0.800878	0
KCTD10	-0.03919	0.645917	0.800878	0
DISP2	-0.08297	0.645931	0.800878	0
IZUMO2	0.067307	0.645975	0.800878	0
MED10	-0.05037	0.646025	0.800878	0
SAP30	-0.05781	0.646157	0.800942	0
SGPP1	0.058045	0.646196	0.800942	0
TRIM4	0.042289	0.646359	0.800944	0
PRKG1	-0.05097	0.646372	0.800944	0
ZNF175	-0.05683	0.64638	0.800944	0
NUTM2D	0.109952	0.646438	0.800944	0
FAM76A	0.072435	0.646528	0.800962	0
SNX6	-0.04675	0.646573	0.800962	0
SMARCA4	0.03512	0.647201	0.801666	0
CDAN1	0.04438	0.647733	0.802166	0
RBFA	-0.05164	0.647951	0.802166	0
AC124798	-0.08646	0.647964	0.802166	0
AC010896	-0.08634	0.648038	0.802166	0
UBXN11	-0.049	0.648058	0.802166	0
SIX1	-0.03725	0.648096	0.802166	0
BTBD3	-0.05633	0.648106	0.802166	0
KIRREL1	-0.0347	0.64814	0.802166	0
LIN7A	-0.14392	0.648146	0.802166	0
PPP1R2	-0.05792	0.64827	0.802245	0
FOXO3	-0.06281	0.648594	0.802571	0
A1CF	0.108279	0.648743	0.802681	0
PPP5D1	0.083471	0.648853	0.802742	0
LNX2	0.050708	0.648995	0.802788	0
THAP1	-0.08046	0.649045	0.802788	0

MAGEE1	-0.05713	0.64907	0.802788	0
CTBP1	0.036922	0.649158	0.802822	0
CPNE7	0.041514	0.649342	0.802975	0
FUBP3	-0.04047	0.649561	0.803123	0
METTL17	0.039359	0.649582	0.803123	0
SFI1	0.047547	0.649881	0.803383	0
RGS12	0.042818	0.649913	0.803383	0
TCP11L2	-0.12736	0.650022	0.803443	0
LARP1	-0.03381	0.650284	0.803628	0
ZNF136	-0.0776	0.650292	0.803628	0
AL035681.	0.113312	0.650366	0.803645	0
TAF1C	-0.04242	0.650444	0.803662	0
RGP1	0.035538	0.6505	0.803662	0
PSPHP1	0.066701	0.650612	0.803726	0
TMEM237	-0.05509	0.650881	0.803984	0
RUNDC3A	-0.12476	0.651048	0.804115	0
ZNF35	-0.05661	0.65119	0.804148	0
NAA16	-0.07817	0.651195	0.804148	0
PACC1	0.043833	0.65138	0.804302	0
TRIM39	-0.05446	0.651763	0.804701	0
AL627309.	0.134101	0.651934	0.804837	0
TM7SF3	-0.0347	0.652376	0.805307	0
BLOC1S1	0.056523	0.652485	0.80531	0
FOXC1	-0.0599	0.652499	0.80531	0
PARD6G-A	-0.08921	0.652794	0.805519	0
ZNF815P	-0.13059	0.652828	0.805519	0
ARHGAP4	-0.04634	0.652921	0.805519	0
FAM168A	0.035809	0.652966	0.805519	0
MYL12A	-0.03735	0.65297	0.805519	0
CDYL	-0.04562	0.653203	0.805732	0
OTOR	0.109583	0.653323	0.805793	0
AL512625.	0.095375	0.653373	0.805793	0
ZNF251	0.046828	0.653502	0.805816	0
RPL12P4	0.102934	0.65361	0.805816	0
AC136475.	-0.10091	0.653643	0.805816	0
LINC02018	0.121249	0.653669	0.805816	0
IER5L	0.048179	0.653708	0.805816	0
TRANK1	-0.11252	0.653754	0.805816	0
TENT5B	0.101697	0.654137	0.806162	0
C16orf87	-0.07021	0.654207	0.806162	0
ELOC	-0.04255	0.654217	0.806162	0
AL161785.	0.113194	0.654616	0.80658	0
TPT1-AS1	-0.0571	0.654705	0.806615	0
AL353135.	-0.09493	0.654767	0.806616	0

CRIPT	-0.07029	0.654864	0.806662	0
RAD51D	-0.0428	0.655042	0.806806	0
CD101	-0.09506	0.655208	0.806848	0
WDR45B	-0.03463	0.65529	0.806848	0
APOLD1	0.103085	0.655361	0.806848	0
DHPS	0.133164	0.655456	0.806848	0
PTPRA	-0.03579	0.655506	0.806848	0
TTC27	-0.05264	0.655518	0.806848	0
EEF1A1P19	0.100411	0.655607	0.806848	0
C15orf40	0.051855	0.655635	0.806848	0
AL441992	0.072288	0.655662	0.806848	0
JMY	0.055681	0.655681	0.806848	0
SPATA5	-0.06882	0.655879	0.807017	0
ZC3H18	0.036123	0.656235	0.80738	0
NUCB2	-0.05095	0.656319	0.807409	0
DNM1P51	0.089279	0.656716	0.807777	0
SFXN4	-0.04178	0.656739	0.807777	0
ICAM5	0.050478	0.657098	0.808144	0
NDUFAF2	0.046684	0.657272	0.808283	0
AC104447	-0.1003	0.657339	0.808291	0
CEP120	-0.06968	0.657486	0.808332	0
ZNF624	-0.11355	0.657527	0.808332	0
GCC1	-0.04319	0.657554	0.808332	0
KLHL7	-0.0581	0.657738	0.808484	0
EEF2KMT	0.045869	0.657963	0.808541	0
CASP2	-0.03996	0.657989	0.808541	0
CCDC18-A	-0.08716	0.658003	0.808541	0
PIGX	-0.04901	0.65816	0.808541	0
AC002116	0.099518	0.658189	0.808541	0
CLDN11	-0.12161	0.658216	0.808541	0
GSDME	0.124222	0.658232	0.808541	0
SPATA6	-0.0567	0.658288	0.808541	0
ARL6IP5	0.043348	0.658331	0.808541	0
SAMD10	0.076134	0.658602	0.808788	0
SPSB1	-0.07677	0.658653	0.808788	0
VASH1-AS	0.071245	0.659006	0.809147	0
UQCRFS1	0.03549	0.659085	0.80917	0
CDKN2AIP	0.041646	0.659289	0.809281	0
ABCB1	-0.03552	0.659298	0.809281	0
EEF1A1P6	0.112796	0.659592	0.809568	0
TTC31	0.038491	0.659871	0.809827	0
NHEJ1	0.071714	0.659925	0.809827	0
ZNF114	0.05056	0.660069	0.809919	0
POLR2H	0.035278	0.660121	0.809919	0

NOA1	-0.04201	0.660453	0.810252	0
GGNBP1	0.083999	0.660956	0.810794	0
MAP4K4	0.033291	0.661069	0.810858	0
AC084757	-0.12263	0.661129	0.810858	0
TNFAIP2	-0.07434	0.661537	0.811283	0
ATP5F1A	-0.03463	0.661658	0.811324	0
AC026691	-0.11725	0.661712	0.811324	0
GOLGA5	-0.05241	0.661753	0.811324	0
MMP25-A	0.084582	0.661954	0.811496	0
SURF6	-0.0408	0.662203	0.811685	0
SNHG15	0.041214	0.66223	0.811685	0
POMC	0.136005	0.662312	0.811712	0
H2AFZ	-0.04014	0.662534	0.811908	0
TRIM3	0.050951	0.662695	0.812032	0
SPACA6P-1	-0.10373	0.662774	0.812053	0
ATP5PB	0.039138	0.66292	0.812089	0
AC145098	0.094774	0.662924	0.812089	0
ADGRB1	0.045786	0.663213	0.812333	0
PIGF	-0.05468	0.663245	0.812333	0
ETV1	0.044503	0.66342	0.812472	0
ZNF346	-0.04222	0.66366	0.812691	0
ACVRL1	0.122869	0.663821	0.812814	0
KDM8	0.061514	0.663905	0.812842	0
DAZAP2	-0.03858	0.664161	0.81308	0
KCTD7	0.047961	0.664235	0.813096	0
TNFRSF13C	0.065132	0.664508	0.81333	0
PCAT6	0.088907	0.664548	0.81333	0
BCL9	-0.03368	0.664921	0.813712	0
MAVS	0.034295	0.665119	0.81388	0
MRPL47	0.054295	0.665276	0.813988	0
ADH5	-0.03406	0.665388	0.813988	0
KLHL28	-0.07764	0.665398	0.813988	0
NAA20	-0.04067	0.665452	0.813988	0
KIF26B	-0.04511	0.66553	0.814009	0
SPINT1	0.103254	0.665606	0.814028	0
MEX3A	-0.03617	0.666199	0.814678	0
MFN2	0.033488	0.66632	0.814751	0
C2orf68	-0.03553	0.666495	0.81489	0
SIX3	0.113437	0.666754	0.815095	0
BRF2	0.044414	0.666793	0.815095	0
AC008443	-0.08854	0.666945	0.815095	0
TMEM258	0.039149	0.66696	0.815095	0
TPI1P2	-0.12265	0.666968	0.815095	0
AC005332	0.077821	0.667073	0.815103	0

PTS	0.059533	0.667122	0.815103	0
ANAPC5	0.033532	0.667218	0.815103	0
KRR1	0.051372	0.667292	0.815103	0
RCL1	0.042128	0.667446	0.815103	0
ILF3	-0.03265	0.667458	0.815103	0
ZNF480	-0.06474	0.667466	0.815103	0
ARMC2	-0.12285	0.66748	0.815103	0
TRAF6	-0.06235	0.667577	0.815103	0
UBBP4	-0.11087	0.66761	0.815103	0
MED4	-0.05408	0.667648	0.815103	0
PXN	0.03538	0.667725	0.815124	0
DENND1A	0.042376	0.667824	0.815147	0
BLOC1S6	-0.05176	0.667867	0.815147	0
CHRNA7	-0.10431	0.667949	0.815173	0
NONO	0.031717	0.668198	0.815402	0
SERPINB9	-0.03583	0.668371	0.815538	0
METTL2A	-0.03879	0.668553	0.815632	0
C12orf29	0.054904	0.66857	0.815632	0
PYCR2	0.03909	0.668772	0.815804	0
CTNBL1	0.038271	0.668973	0.815955	0
PCOLCE-AS1	-0.08856	0.669019	0.815955	0
BAALC-AS1	-0.08038	0.669198	0.816023	0
UNC119B	-0.03347	0.669229	0.816023	0
LRRC27	0.046379	0.669258	0.816023	0
TRMT12	-0.04658	0.66935	0.81606	0
TUFT1	0.051607	0.669414	0.816065	0
TLDC2	0.094049	0.669946	0.816638	0
CACNA2D1	-0.03704	0.670103	0.816723	0
TXLNG	-0.04661	0.670138	0.816723	0
BBS2	-0.04251	0.670444	0.817021	0
TBC1D20	-0.03501	0.670534	0.817057	0
ALG5	0.043295	0.670599	0.81706	0
HOXC6	0.038923	0.67068	0.817085	0
PSMC5	-0.03214	0.671316	0.81772	0
DYRK4	-0.05092	0.671324	0.81772	0
NDUFB8	-0.04734	0.671385	0.81772	0
HOMER2	0.039588	0.671577	0.817878	0
SCX	-0.10411	0.672083	0.81842	0
NPTN	-0.03557	0.67249	0.818842	0
BX537318	-0.08237	0.672772	0.819035	0
EFNA1	0.077522	0.672832	0.819035	0
TNFAIP8	-0.09092	0.672842	0.819035	0
CALML4	-0.08173	0.672925	0.819035	0
NTF4	-0.07879	0.672956	0.819035	0

COTL1	0.035622	0.673094	0.819048	0
SMARCAL1	-0.03921	0.673148	0.819048	0
ZNF667	-0.0566	0.673151	0.819048	0
MRM1	-0.05367	0.673228	0.819067	0
AC025159	0.099579	0.673294	0.819073	0
SOD2-OT1	0.112621	0.673442	0.819119	0
ADGRB2	-0.09108	0.673456	0.819119	0
RER1	0.033649	0.673533	0.819138	0
PI4KAP2	0.06064	0.674033	0.819672	0
MTCO1P1	-0.08829	0.674151	0.819737	0
LINC-PINT	0.126228	0.674406	0.819737	0
ASB1	-0.03565	0.674476	0.819737	0
MTHFSD	0.046386	0.674508	0.819737	0
RPS6KB1	-0.04206	0.674552	0.819737	0
ZNF720	-0.06357	0.67456	0.819737	0
SH3GL1P1	0.112997	0.674645	0.819737	0
MAFF	0.055808	0.674649	0.819737	0
SLC26A11	0.039673	0.674687	0.819737	0
DNAJC6	-0.09375	0.674701	0.819737	0
NAGPA	0.052502	0.674822	0.819809	0
AL137798	0.102156	0.674958	0.819899	0
ANKLE1	0.03953	0.675119	0.819993	0
AKAP8	0.036887	0.675158	0.819993	0
SMG8	-0.03884	0.675396	0.820207	0
PIDD1	0.040051	0.675552	0.820322	0
RBM4B	-0.04369	0.675695	0.820421	0
AC093297	-0.09048	0.675896	0.820558	0
ZFAS1	0.045471	0.676028	0.820558	0
SELENOK	0.047271	0.676095	0.820558	0
PSMD2	0.032575	0.676118	0.820558	0
SNORA61	-0.08576	0.676142	0.820558	0
MCEE	0.056811	0.676191	0.820558	0
BBS7	-0.05805	0.676293	0.820558	0
GPALPP1	-0.04823	0.676301	0.820558	0
COL18A1	0.043067	0.676428	0.820639	0
ACIN1	-0.03268	0.676496	0.820646	0
ZNF222	-0.087	0.67679	0.82091	0
AP003108	0.087609	0.676837	0.82091	0
CCDC71L	-0.06142	0.677031	0.821071	0
RPL23AP7	0.077972	0.677328	0.821357	0
AL353653	0.129784	0.677493	0.821465	0
CDK5R1	-0.0543	0.677541	0.821465	0
BEND3P1	-0.05777	0.677638	0.821497	0
FOSL2	0.045304	0.67769	0.821497	0

AC138207	-0.08555	0.677815	0.821534	0
U2AF1L4	-0.10651	0.677844	0.821534	0
ROBO3	-0.05245	0.678015	0.82164	0
AL022311	-0.08336	0.678062	0.82164	0
AXIN2	0.05609	0.67816	0.82164	0
MTA3	-0.03447	0.678178	0.82164	0
WAC-AS1	-0.05144	0.678378	0.821802	0
RSRC1	0.0546	0.678435	0.821802	0
MMACHC	-0.04286	0.678704	0.822053	0
AC137630	0.116812	0.678791	0.822072	0
COPS7B	0.034608	0.678848	0.822072	0
RGL1	0.06724	0.678904	0.822072	0
BMPER	0.10131	0.679054	0.822143	0
VCPKMT	-0.06725	0.679096	0.822143	0
GOLGA3	-0.0332	0.679148	0.822143	0
GPR137B	-0.08511	0.679371	0.822338	0
PLBD1-AS1	0.07052	0.679441	0.822348	0
CDK2AP1	-0.03717	0.679587	0.82245	0
IPO4	-0.09482	0.6798	0.822499	0
AAGAB	-0.04097	0.679853	0.822499	0
NP1PB3	0.107756	0.679871	0.822499	0
AC079848	-0.11013	0.679874	0.822499	0
TSPYL4	-0.05008	0.680112	0.822712	0
ZNF555	-0.05838	0.680271	0.822803	0
ZNF419	-0.05624	0.680335	0.822803	0
FKBP3	-0.04079	0.680372	0.822803	0
AC025884	-0.08535	0.680875	0.823315	0
VPS29	-0.03996	0.680919	0.823315	0
PPP1R7	-0.03323	0.681422	0.823699	0
AC022144	-0.08478	0.681424	0.823699	0
SSBP2	-0.03243	0.681427	0.823699	0
GTF2IRD2	-0.13379	0.681564	0.823699	0
NP1PA5	0.081667	0.681596	0.823699	0
TSSK6	0.06361	0.681608	0.823699	0
ITGA2B	-0.05147	0.681755	0.823803	0
IRF2BPL	0.035434	0.681822	0.82381	0
REEP6	0.0628	0.682032	0.823988	0
AC108488	-0.0507	0.682196	0.824111	0
MATR3	-0.03399	0.682279	0.824137	0
SNUPN	0.040819	0.682551	0.824364	0
RCCD1	-0.04406	0.68259	0.824364	0
TMEM80	-0.04396	0.682693	0.824413	0
AKR1C1	-0.09052	0.683112	0.824845	0
FAM225A	0.060633	0.683232	0.824855	0

MED28	-0.0322	0.683244	0.824855	0
DBNDD2	-0.0431	0.68352	0.824997	0
UBE2D4	0.043389	0.683522	0.824997	0
SIN3B	0.036962	0.683639	0.824997	0
HARS2	0.035622	0.683677	0.824997	0
NBPF2P	-0.08714	0.683715	0.824997	0
CC2D2A	-0.04068	0.683734	0.824997	0
CAB39L	0.053308	0.683832	0.825042	0
HNRNPL	0.031561	0.68413	0.825271	0
SPRYD7	-0.05157	0.684146	0.825271	0
ZFAND2A	-0.0512	0.684266	0.825299	0
KCNS1	-0.08066	0.684293	0.825299	0
DDX51	0.037313	0.684802	0.825838	0
ANKFY1	-0.03392	0.685078	0.826096	0
E2F2	-0.03997	0.68516	0.82612	0
SH2B2	-0.07741	0.685547	0.826503	0
AC135178	0.10315	0.685637	0.826503	0
XBP1	0.031907	0.685663	0.826503	0
TUBG2	0.040052	0.685787	0.826577	0
SCARA3	0.036796	0.68591	0.826651	0
CAPS	-0.08117	0.686025	0.826715	0
AL139095	0.108134	0.686539	0.82725	0
JPT2	-0.03042	0.686594	0.82725	0
ZNF491	0.061404	0.687034	0.827706	0
ZBTB2	-0.05726	0.687221	0.827857	0
UCN	-0.0967	0.687342	0.82788	0
SNX25	0.047011	0.687431	0.82788	0
C1orf115	-0.10914	0.687469	0.82788	0
BRD9	-0.03688	0.687515	0.82788	0
ZNF256	-0.05691	0.687613	0.82788	0
PVR	0.032915	0.687637	0.82788	0
DGCR11	-0.06424	0.687689	0.82788	0
POLR2J	0.039524	0.687737	0.82788	0
PFAS	0.032981	0.68796	0.827938	0
HDAC8	-0.05281	0.687962	0.827938	0
HSPA5	-0.03166	0.68798	0.827938	0
SPTBN1	-0.03046	0.688033	0.827938	0
ZNF845	-0.11874	0.6882	0.82796	0
POLR3A	-0.03123	0.688219	0.82796	0
ACVR1B	0.043236	0.688275	0.82796	0
ARHGEF11	0.030829	0.688316	0.82796	0
ZIC4	-0.11899	0.688362	0.82796	0
RPS6KL1	0.075214	0.688468	0.827974	0
ZNF648	-0.05677	0.688578	0.827974	0

TOR1A	-0.03687	0.688713	0.827974	0
COX8A	0.035818	0.688717	0.827974	0
CCR1	0.137006	0.688749	0.827974	0
ZNF322	-0.10001	0.68878	0.827974	0
SNORA10	0.110983	0.688809	0.827974	0
FZD9	-0.10422	0.688894	0.828002	0
DNAJC1	0.044087	0.689118	0.828174	0
RPS20P14	0.092632	0.689195	0.828174	0
HOXC8	-0.04939	0.689223	0.828174	0
GBA2	0.0351	0.689367	0.828272	0
GBF1	0.029995	0.689523	0.828294	0
AC012615	0.058216	0.689581	0.828294	0
NDE1	0.034784	0.689673	0.828294	0
GTPBP10	-0.04491	0.689755	0.828294	0
SLC25A45	0.049171	0.689806	0.828294	0
PTMAP5	-0.07102	0.689809	0.828294	0
AC019069	-0.05855	0.689886	0.828294	0
LINC02175	-0.0928	0.689929	0.828294	0
SAP130	-0.03364	0.689944	0.828294	0
GUSBP1	-0.10618	0.690158	0.828475	0
PKD1P1	-0.06715	0.690282	0.82855	0
TKFC	0.037267	0.690425	0.828606	0
ZNF169	-0.05728	0.690453	0.828606	0
PIBF1	-0.06859	0.690773	0.828841	0
ACTN4	0.029641	0.690773	0.828841	0
SH3D21	-0.03957	0.690927	0.82895	0
AC023024	-0.06829	0.691228	0.829237	0
GTPBP8	0.077194	0.691843	0.829884	0
ZNF28	0.078145	0.691892	0.829884	0
TMEM241	0.042559	0.691954	0.829884	0
TRIM32	0.035281	0.692096	0.82998	0
TK2	0.040314	0.692166	0.829989	0
PGAM5	0.034181	0.692581	0.830411	0
CTH	-0.0584	0.69278	0.830514	0
TBRG1	0.042015	0.692844	0.830514	0
RALA	-0.04159	0.692853	0.830514	0
CHST6	-0.04294	0.693014	0.830632	0
PIP5K1A	-0.03002	0.693135	0.830636	0
GALK2	0.039172	0.693142	0.830636	0
MAPKAPK!	-0.04521	0.69343	0.830789	0
ATP5F1E	0.036818	0.693438	0.830789	0
LYL1	0.04978	0.693456	0.830789	0
PLAGL2	-0.03258	0.693651	0.830849	0
NR4A1	0.058131	0.693686	0.830849	0

DIS3L	-0.03756	0.693742	0.830849	0
FARP1	-0.03066	0.693843	0.830849	0
IDNK	0.069471	0.693862	0.830849	0
CRB3	0.123363	0.693881	0.830849	0
AL118506.	0.048193	0.693993	0.8309	0
AC092128.	0.054893	0.694047	0.8309	0
GPC5	0.061048	0.694271	0.831093	0
NDEL1	-0.04276	0.694637	0.831457	0
KLHL29	-0.03794	0.694708	0.831467	0
NCOR1	-0.03114	0.694779	0.831469	0
RAD51B	-0.04596	0.694834	0.831469	0
OPA3	0.035894	0.695102	0.831715	0
PLA2G4A	-0.05682	0.695355	0.831943	0
VPS33A	0.041435	0.695609	0.832172	0
MOSPD1	0.071315	0.695911	0.832459	0
RMDN2	-0.07535	0.69609	0.832598	0
TTLL4	0.033465	0.696299	0.832773	0
NADK	0.031042	0.696598	0.833056	0
HAND2-AS	-0.08731	0.696862	0.833273	0
WNK2	-0.03825	0.696905	0.833273	0
SBNO2	0.035616	0.697035	0.833355	0
SKP1	-0.03136	0.69713	0.833394	0
SAT1	-0.05178	0.697302	0.833524	0
ATXN7L1	-0.04989	0.69743	0.833602	0
DLX4	-0.06617	0.697653	0.833737	0
CARS	0.035324	0.697672	0.833737	0
ZNF584	-0.04169	0.697752	0.833737	0
UBA6-AS1	-0.04708	0.697793	0.833737	0
AL031963.	-0.09598	0.697952	0.83383	0
MAIP1	0.047689	0.697996	0.83383	0
LRWD1	0.034245	0.698183	0.833978	0
FAM104A	-0.03665	0.698578	0.834338	0
BEX1	0.073347	0.698608	0.834338	0
AC005332.	-0.03588	0.698792	0.834483	0
ZSCAN25	-0.0395	0.699118	0.834794	0
ITGAL	0.096058	0.699262	0.834794	0
ATP6V1FN	-0.0863	0.699282	0.834794	0
FOXO3B	0.063309	0.699303	0.834794	0
MRPS18C	0.044298	0.699486	0.834937	0
ANGPTL6	0.088473	0.699772	0.835169	0
NUDCD2	-0.04137	0.699865	0.835169	0
SLC41A1	-0.03116	0.699868	0.835169	0
SERPINB1	0.032669	0.700047	0.835238	0
PLCB2	-0.06512	0.700051	0.835238	0

TTC25	0.074545	0.700172	0.835266	0
AC015909	0.104806	0.700214	0.835266	0
LINGO2	0.086091	0.700381	0.835266	0
NOTUM	-0.05274	0.700416	0.835266	0
PCMTD1	0.053638	0.700444	0.835266	0
NSUN5	0.0386	0.700483	0.835266	0
PTGR1	0.034288	0.700514	0.835266	0
C9orf78	0.035916	0.700647	0.83535	0
LRCH4	0.047211	0.700752	0.835357	0
AC005837	-0.10885	0.700816	0.835357	0
QRICH1	-0.03079	0.70084	0.835357	0
MZT2B	0.033612	0.701109	0.835602	0
COLEC11	0.037285	0.70148	0.835827	0
FAM126B	0.062685	0.701511	0.835827	0
HECTD4	-0.03283	0.701531	0.835827	0
SLC4A9	-0.08656	0.701548	0.835827	0
SSBP1	0.031281	0.701623	0.835842	0
VHL	-0.03193	0.701908	0.836069	0
C2orf27A	-0.08816	0.702001	0.836069	0
ABITRAM	-0.05886	0.702002	0.836069	0
METTL21A	-0.04326	0.702749	0.836884	0
PPM1G	0.028809	0.70314	0.837275	0
COG2	-0.03475	0.703246	0.837326	0
ZUP1	-0.0836	0.703354	0.83738	0
Z97832.2	-0.09934	0.70351	0.837491	0
NAXD	0.033672	0.703758	0.837712	0
CCN2	-0.08371	0.703848	0.837744	0
PFDN1	-0.03444	0.704029	0.837884	0
ITPR2	-0.05124	0.704229	0.838048	0
GOSR2	-0.03255	0.704316	0.838076	0
AC069288	-0.05972	0.704712	0.838472	0
KYAT1	0.112799	0.704838	0.838548	0
RAB3GAP1	-0.03551	0.70495	0.838606	0
SLC35A3	0.08399	0.705298	0.838921	0
PRRT2	0.038755	0.70534	0.838921	0
ABHD15	0.034565	0.705471	0.839001	0
HADHB	-0.02942	0.70599	0.839492	0
FAM241B	0.047826	0.70602	0.839492	0
PRDM16	0.043039	0.706072	0.839492	0
ZNF212	-0.03987	0.706164	0.839527	0
RP9P	-0.06088	0.706268	0.839564	0
SCRN3	-0.05991	0.706369	0.839564	0
CDC40	-0.05041	0.706385	0.839564	0
PDIA4	-0.02783	0.70656	0.839631	0

PCYOX1	-0.03165	0.706612	0.839631	0
SRGAP3	-0.09316	0.706674	0.839631	0
PLIN2	0.031672	0.706725	0.839631	0
GLDC	-0.04495	0.706756	0.839631	0
CEP128	-0.09012	0.706962	0.839732	0
GPR20	0.054874	0.706967	0.839732	0
PACRGL	-0.05647	0.707132	0.839805	0
TBC1D2B	0.032911	0.707233	0.839805	0
OSBPL2	0.035812	0.707291	0.839805	0
C12orf43	0.038471	0.707292	0.839805	0
RDH13	-0.0501	0.707344	0.839805	0
BRI3BP	-0.02964	0.707539	0.83992	0
ARHGEF4	0.042084	0.707575	0.83992	0
AL020996.	-0.11365	0.707629	0.83992	0
CETN3	-0.05012	0.707712	0.83993	0
DUSP28	-0.05438	0.707827	0.83993	0
AC007040.	-0.10019	0.707827	0.83993	0
TTLL3	0.042815	0.707918	0.839964	0
FSD1	0.038763	0.708025	0.840015	0
SLX4	-0.03525	0.708374	0.840355	0
RPSAP70	0.101748	0.708581	0.840498	0
ADGRE2	-0.06732	0.708621	0.840498	0
ZNF541	0.084656	0.708801	0.840604	0
TUBA1C	0.029158	0.708836	0.840604	0
CLK2	0.030586	0.708955	0.840671	0
FOXP3	0.077525	0.709188	0.840872	0
YPEL2	0.046083	0.709255	0.840876	0
AC005005.	-0.09102	0.709332	0.840893	0
SAMD1	0.030976	0.709537	0.841062	0
BRMS1L	-0.05159	0.709631	0.841098	0
CORO1A	0.049591	0.70976	0.841175	0
POU2F1	-0.03498	0.709986	0.841369	0
FHL1	-0.03448	0.710096	0.841425	0
SDCBP2	0.09853	0.710241	0.841486	0
VPS41	-0.03408	0.710274	0.841486	0
ALG12	0.035027	0.710486	0.84161	0
MAPK8IP3	0.034214	0.710505	0.84161	0
RWDD3	-0.07911	0.710971	0.842087	0
RNF141	0.049158	0.711325	0.842367	0
ARSB	-0.03792	0.711432	0.842367	0
TXNDC12	0.051135	0.711448	0.842367	0
YTHDF3-A	-0.09825	0.711513	0.842367	0
AKAP12	-0.04985	0.711523	0.842367	0
GULP1	0.048554	0.711653	0.842407	0

ANKS6	-0.02898	0.711683	0.842407	0
ZC3HC1	0.032253	0.711194	0.842603	0
PRKG1-AS1	0.073002	0.711976	0.842603	0
GYG2	-0.0312	0.712302	0.842916	0
AC124854	-0.11473	0.712466	0.843028	0
SLC43A1	0.041627	0.712648	0.843028	0
NMI	-0.07389	0.712786	0.843028	0
TPGS2	0.031672	0.712788	0.843028	0
PAF1	-0.03009	0.712797	0.843028	0
ZNF233	-0.0774	0.712826	0.843028	0
SUSD1	-0.05133	0.712862	0.843028	0
BCAR1	0.034406	0.712911	0.843028	0
FZD7	0.040373	0.713037	0.843028	0
RP9	0.047084	0.713065	0.843028	0
TMEM9B	-0.03889	0.713093	0.843028	0
NOL12	-0.05853	0.713565	0.843503	0
ZNF394	0.04157	0.713621	0.843503	0
MADCAM1	0.067691	0.71382	0.843606	0
AC026471	0.047307	0.713905	0.843606	0
ASB13	0.031204	0.713957	0.843606	0
USP18	-0.05082	0.713961	0.843606	0
POLR3D	0.03119	0.714106	0.843702	0
EXOC3L1	0.079828	0.714232	0.843776	0
CHERP	0.031295	0.714594	0.844128	0
ARV1	-0.04542	0.714737	0.844223	0
EFNB3	0.051548	0.714815	0.84424	0
ARMCX3	0.037441	0.714934	0.844306	0
PXN-AS1	0.044585	0.715036	0.844352	0
EVL	-0.03535	0.71527	0.844532	0
RASGRP2	0.100297	0.715329	0.844532	0
PPP2R5B	0.045459	0.715438	0.844532	0
AC040169	0.100392	0.715442	0.844532	0
GGCX	0.030459	0.715532	0.844555	0
LINC02268	0.046698	0.715656	0.844555	0
CCDC40	0.058681	0.715657	0.844555	0
RPL7L1	-0.03057	0.715715	0.844555	0
AC174469	0.090895	0.715854	0.844631	0
CCDC120	0.039546	0.715906	0.844631	0
DPF1	-0.0608	0.716089	0.844772	0
ITGB1	-0.03392	0.716239	0.844875	0
ABHD10	0.047604	0.716433	0.845029	0
ACTN1	0.027233	0.716552	0.845094	0
RNF126	-0.03569	0.716637	0.8451	0
AC005220	0.084978	0.716684	0.8451	0

TMEM185	0.046497	0.716817	0.845182	0
ZNF235	0.06394	0.716972	0.84529	0
DAXX	0.028833	0.717138	0.845411	0
DKKL1	0.05802	0.717691	0.845968	0
TPCN2	-0.04148	0.717816	0.845968	0
CKMT1B	0.042119	0.717851	0.845968	0
MT-ND2	0.027293	0.717944	0.845968	0
DYNC1I2	0.032418	0.717978	0.845968	0
MAP3K10	0.044132	0.717991	0.845968	0
EIF2A	-0.04088	0.718312	0.846271	0
FOXD2	-0.10573	0.718539	0.846464	0
RMDN1	0.042159	0.718982	0.846851	0
EEF1AKNV	0.029442	0.719052	0.846851	0
AKAP1	-0.03005	0.719058	0.846851	0
PDCD10	0.045096	0.719135	0.846867	0
ZNF140	-0.04656	0.719243	0.846878	0
GATD1	0.032834	0.719297	0.846878	0
BRPF1	0.035284	0.719475	0.846878	0
PAGR1	-0.04006	0.719494	0.846878	0
TTC33	0.049157	0.719504	0.846878	0
EDIL3	0.09286	0.719525	0.846878	0
LACTB2	0.056302	0.719691	0.846998	0
MAN1B1-C	0.060956	0.719797	0.847048	0
EEF1AKMT	-0.06591	0.720164	0.847331	0
DZANK1	-0.06466	0.720165	0.847331	0
AC092115	-0.09295	0.720339	0.847461	0
SLC35E4	0.048466	0.720544	0.847628	0
ZNF181	-0.07888	0.720724	0.847765	0
KLF7	-0.05098	0.720829	0.847813	0
PHYH	-0.03875	0.720995	0.847887	0
WDR7	-0.05572	0.721018	0.847887	0
WIPF2	0.029532	0.72121	0.848037	0
NXF1	0.027922	0.721302	0.84807	0
WASH8P	-0.03663	0.72142	0.848134	0
HSPBAP1	-0.06429	0.721569	0.848234	0
TNFRSF21	0.062023	0.721742	0.848294	0
INSM2	-0.09906	0.721747	0.848294	0
CIAO2A	-0.03632	0.721816	0.848301	0
EMC3	0.035862	0.721899	0.848319	0
IFFO1	0.036832	0.722061	0.848319	0
TMEM43	-0.03026	0.722086	0.848319	0
MUC5B	0.097163	0.722086	0.848319	0
APOC3	0.102652	0.722369	0.848549	0
GNAL	-0.03741	0.722409	0.848549	0

KIF16B	-0.04293	0.722655	0.848737	0
ZFAND1	0.044978	0.722714	0.848737	0
PRCC	0.027244	0.72276	0.848737	0
TVP23B	-0.05196	0.722889	0.848748	0
CD55	-0.04466	0.722933	0.848748	0
ZNF436	-0.04076	0.723004	0.848748	0
MICU2	0.042188	0.723047	0.848748	0
RALGPS2	-0.03953	0.72316	0.848748	0
PRELID2	0.058101	0.723236	0.848748	0
SH3D19	-0.04015	0.723238	0.848748	0
RBX1	0.0345	0.723278	0.848748	0
HECA	-0.07524	0.723416	0.848834	0
PMEL	0.063792	0.723523	0.848883	0
FNDC5	0.045158	0.723585	0.848883	0
TCTN3	-0.02906	0.723699	0.848929	0
EIF3C	0.048132	0.723752	0.848929	0
AL591846.	-0.04562	0.723867	0.84899	0
ATIC	-0.02692	0.724105	0.849155	0
EAF2	0.072073	0.724135	0.849155	0
CAPRIN2	-0.0488	0.72438	0.849368	0
OSER1-DT	-0.05651	0.72458	0.849386	0
OTX1	-0.03831	0.724613	0.849386	0
AZI2	-0.03752	0.72464	0.849386	0
ANKRA2	-0.05287	0.72465	0.849386	0
ZNF783	-0.03948	0.724739	0.849415	0
POP4	0.034482	0.724983	0.849551	0
IFT52	-0.03707	0.724983	0.849551	0
STK11IP	0.038115	0.725202	0.849653	0
AC069185	-0.07896	0.725259	0.849653	0
LINC01833	-0.06197	0.72528	0.849653	0
MRPS16	0.026828	0.725344	0.849653	0
ADPGK	0.029298	0.725443	0.849653	0
CEMIP2	-0.0438	0.725493	0.849653	0
SDR39U1	-0.03585	0.725515	0.849653	0
HOXC13-A	-0.07105	0.725605	0.849683	0
PGP	-0.03019	0.725812	0.849764	0
APOBEC3C	0.044827	0.725841	0.849764	0
PTK2B	-0.04466	0.725866	0.849764	0
OLFML1	0.053717	0.725965	0.849806	0
LINC01232	-0.03525	0.726128	0.84984	0
HEXIM1	-0.02812	0.72617	0.84984	0
TMEM40	0.078196	0.726185	0.84984	0
MACO1	0.045474	0.726461	0.850089	0
ZNF34	-0.06116	0.726556	0.850125	0

AC243562	-0.09952	0.726639	0.850147	0
LEPROTL1	-0.03608	0.726831	0.850297	0
AC112484	-0.08628	0.726908	0.850313	0
SLC25A3	0.026953	0.727287	0.850681	0
FGFR1OP2	0.0438	0.727352	0.850683	0
LRRC73	0.062321	0.727552	0.850842	0
ZDHHC20	-0.03593	0.727713	0.850955	0
OSBPL7	0.038031	0.727829	0.851016	0
KLHDC7B	0.096038	0.728006	0.851149	0
SYTL4	0.070013	0.728239	0.851245	0
SLC17A5	-0.03581	0.728258	0.851245	0
PDRG1	0.035343	0.728279	0.851245	0
RBMS2	-0.02849	0.728421	0.851284	0
CXCR4	-0.08408	0.728441	0.851284	0
NUP93	0.028174	0.728533	0.851311	0
FILIP1	-0.09681	0.728622	0.851311	0
MND1	-0.05398	0.728656	0.851311	0
PSME3	-0.0275	0.728772	0.85132	0
HIST1H2BC	0.092692	0.728791	0.85132	0
PTMA	0.028929	0.728877	0.851347	0
CCDC92	-0.03134	0.729544	0.852051	0
PALD1	0.03601	0.729703	0.852161	0
SLC2A1-AS	-0.07688	0.729787	0.852185	0
SPOCK2	-0.08262	0.730024	0.852388	0
ADAM9	-0.03379	0.730445	0.852745	0
ST5	0.03099	0.730458	0.852745	0
NCS1	0.028599	0.730748	0.852952	0
MMP16	-0.06187	0.730825	0.852952	0
AC246787	0.055867	0.730828	0.852952	0
POLR1E	-0.02813	0.731054	0.853092	0
TPMT	0.045069	0.731076	0.853092	0
FAM149A	0.034072	0.731537	0.853556	0
IRF2BP2	-0.02782	0.731616	0.853573	0
DSTYK	-0.03053	0.7317	0.853597	0
UBE2L3	-0.02773	0.731967	0.853773	0
SH3RF1	-0.04589	0.731979	0.853773	0
AP004609	0.082467	0.732144	0.85389	0
ZMYND19	0.032139	0.732586	0.854318	0
LINC0221C	-0.05591	0.73266	0.854318	0
GPR180	-0.04007	0.732703	0.854318	0
SLC35E2B	0.026853	0.733384	0.855037	0
CALD1	-0.03426	0.733611	0.855227	0
AC025181	0.085178	0.734119	0.855745	0
MFS13A	0.036257	0.734699	0.856346	0

DHRS11	-0.03516	0.734904	0.85651	0
ALPG	0.110266	0.73501	0.856559	0
BLOC1S2	-0.03429	0.735414	0.856955	0
AL049795.	-0.0941	0.73553	0.857015	0
RNF125	-0.05784	0.735642	0.85707	0
C1orf53	0.073076	0.73571	0.857075	0
CCDC87	-0.08294	0.73628	0.85759	0
GPT2	-0.03211	0.736334	0.85759	0
CRCP	0.032529	0.736414	0.85759	0
AL645933.	-0.07568	0.736451	0.85759	0
ATG10	-0.03476	0.736474	0.85759	0
PAWR	0.049323	0.736864	0.857915	0
ATAD3C	-0.04807	0.73689	0.857915	0
RAB15	0.02948	0.736946	0.857915	0
MSN	0.025249	0.737207	0.858102	0
APC2	0.046139	0.737236	0.858102	0
NOMO2	0.04561	0.737583	0.858432	0
KIF9	0.058649	0.737667	0.858454	0
HSBP1	0.026574	0.737833	0.858509	0
CENPM	0.033346	0.73786	0.858509	0
RBL1	-0.04192	0.737907	0.858509	0
TCEA2	-0.0553	0.738035	0.858583	0
RREB1	-0.02946	0.738099	0.858583	0
SLC25A4	-0.03201	0.738197	0.858622	0
TSGA10	-0.06498	0.738389	0.858758	0
NUP210	-0.02753	0.738484	0.858758	0
SPC24	0.029284	0.738564	0.858758	0
HIST1H3E	0.081219	0.738572	0.858758	0
MRPL36	0.034937	0.73873	0.858776	0
AL117335.	0.085782	0.738767	0.858776	0
UBE2G2	-0.02992	0.738781	0.858776	0
DAP3	-0.0249	0.738982	0.858847	0
AC112220.	0.055832	0.739096	0.858847	0
EEF1E1	-0.06831	0.739187	0.858847	0
NUDT14	0.052813	0.739213	0.858847	0
CSTF2T	-0.04316	0.739244	0.858847	0
RANBP3	0.026044	0.739283	0.858847	0
EHD4	-0.03354	0.739292	0.858847	0
KCNJ11	0.061537	0.739372	0.858865	0
AL136295.	0.083703	0.739543	0.858904	0
PRR19	0.051735	0.739633	0.858904	0
AHNAK2	-0.06811	0.739684	0.858904	0
LINC00511	0.088719	0.739711	0.858904	0
LPAR2	0.052811	0.739728	0.858904	0

TLE1	-0.03186	0.740417	0.859559	0
CNN1	0.04825	0.740422	0.859559	0
CHD3	-0.02487	0.740625	0.859721	0
ID1	0.045615	0.74077	0.859811	0
MYO1D	-0.02896	0.740891	0.859811	0
MST1R	-0.03419	0.740914	0.859811	0
ATG2A	0.034739	0.740998	0.859811	0
YIPF1	0.033911	0.741073	0.859811	0
AC062028	-0.09473	0.741089	0.859811	0
ZNF79	-0.04086	0.741177	0.859838	0
PTGR2	-0.0907	0.741463	0.860095	0
AC145423	0.090898	0.741539	0.860107	0
SLC25A29	0.047461	0.741668	0.860174	0
TRERF1	-0.02827	0.741725	0.860174	0
ACAA2	0.0305	0.74185	0.860243	0
TMBIM4	0.092958	0.742036	0.860385	0
CASP6	0.037072	0.742106	0.860388	0
MMADHC	0.032049	0.742203	0.860388	0
RBM34	-0.03792	0.74225	0.860388	0
UBL7-AS1	-0.06842	0.742297	0.860388	0
ZNF551	-0.03783	0.742397	0.860396	0
XRCC4	0.074505	0.742433	0.860396	0
DNAJA1	-0.03068	0.742796	0.860672	0
ZNF284	-0.0718	0.742838	0.860672	0
VSTM4	0.038147	0.742878	0.860672	0
AC005790	0.079205	0.742944	0.860672	0
PDIA5	0.036092	0.742994	0.860672	0
AC073508	0.040564	0.743271	0.860919	0
MISP	0.049697	0.743749	0.861226	0
CYB5B	-0.02569	0.743755	0.861226	0
PKN3	0.027919	0.743772	0.861226	0
GSR	0.024872	0.743795	0.861226	0
HSF2BP	0.087053	0.743987	0.861347	0
CREBBP	-0.02669	0.744028	0.861347	0
ZFP41	0.04289	0.744224	0.861474	0
GLE1	-0.02807	0.744267	0.861474	0
B3GNT4	-0.10067	0.744425	0.861582	0
RRAGA	-0.02934	0.744902	0.862059	0
CHAC2	-0.04705	0.745022	0.862119	0
TRIM52	0.064843	0.745084	0.862119	0
LIPG	0.033345	0.745188	0.862165	0
GTF2B	0.044322	0.745364	0.862294	0
PDCL	-0.03575	0.745683	0.862588	0
VEZF1	-0.03297	0.745907	0.862698	0

LINC0261C	0.069936	0.745908	0.862698	0
GTF2IP12	0.041032	0.746067	0.862807	0
IKBIP	-0.04025	0.746319	0.862975	0
RNF168	-0.04083	0.746399	0.862975	0
KIAA1328	-0.06168	0.746406	0.862975	0
LINC00662	0.040636	0.74652	0.863032	0
ELOVL4	0.039374	0.746955	0.863315	0
VOPP1	-0.03646	0.747075	0.863315	0
TRG-AS1	0.052171	0.747075	0.863315	0
TSPAN9	0.033414	0.747087	0.863315	0
AL451085.	-0.05951	0.747198	0.863315	0
BANF1	-0.02663	0.747204	0.863315	0
ATF7IP	-0.03526	0.747217	0.863315	0
ARNTL	-0.05556	0.74732	0.863318	0
MFSD14A	0.049804	0.747386	0.863318	0
SOX13	-0.10375	0.747515	0.863318	0
VCP	0.024292	0.74752	0.863318	0
GNAO1	0.087088	0.747544	0.863318	0
ACTRT3	-0.06568	0.747711	0.863435	0
NAAA	0.03443	0.747828	0.863497	0
FBXO25	-0.03923	0.748298	0.863879	0
AL109976.	0.048997	0.74834	0.863879	0
ANKRD9	0.032796	0.748354	0.863879	0
HDHD2	-0.04917	0.748501	0.863974	0
LENG8-AS1	0.071442	0.748634	0.86399	0
NCOA5	0.02692	0.748649	0.86399	0
RBM14	-0.02934	0.748754	0.86399	0
CYTH1	-0.02776	0.748956	0.86399	0
ZDHC18	0.028428	0.748997	0.86399	0
SETD4	-0.03834	0.74901	0.86399	0
ZFYVE21	0.034418	0.749014	0.86399	0
C2orf76	-0.04173	0.749034	0.86399	0
AL035446.	0.064082	0.74913	0.864007	0
KCNJ14	0.056979	0.749233	0.864007	0
COMMD3	0.031714	0.749242	0.864007	0
DISC1	0.044166	0.749487	0.864178	0
METTL2B	-0.0346	0.749521	0.864178	0
TMEM186	0.042162	0.749668	0.864266	0
SATB1	-0.04715	0.749727	0.864266	0
AL138724.	-0.08076	0.749801	0.864277	0
ZNF554	0.046397	0.750027	0.864403	0
ZNF16	0.035824	0.750039	0.864403	0
C11orf71	-0.04356	0.750123	0.864424	0
TRIP4	-0.03845	0.750223	0.864465	0

LSM1	-0.03205	0.750352	0.864539	0
DNHD1	-0.03352	0.750687	0.864793	0
CROCC	0.030604	0.750728	0.864793	0
UBALD1	0.034068	0.750777	0.864793	0
HADH	-0.02723	0.750832	0.864793	0
UBL3	-0.04094	0.750908	0.864806	0
FABP5	0.062385	0.75101	0.864814	0
SBF2-AS1	0.059918	0.751045	0.864814	0
PTH2	-0.07577	0.751132	0.86484	0
SNORD36	-0.05603	0.751244	0.864894	0
AC027290	-0.10658	0.751389	0.864957	0
ARID3A	-0.02947	0.751506	0.864957	0
AMIGO1	0.030831	0.751549	0.864957	0
DENND1C	0.039612	0.751647	0.864957	0
ABHD16A	0.088152	0.75173	0.864957	0
LMF2	-0.02787	0.751788	0.864957	0
AC008764	-0.09648	0.751838	0.864957	0
ETNK2	0.060918	0.75185	0.864957	0
ZNF324B	0.039508	0.751883	0.864957	0
TXNDC9	-0.04467	0.752089	0.865053	0
GASAL1	-0.05848	0.752238	0.865053	0
AC012146	0.070274	0.752243	0.865053	0
CCDC184	0.072259	0.752261	0.865053	0
TSPY26P	0.091667	0.752291	0.865053	0
MEOX1	0.065597	0.752534	0.865187	0
AC006333	-0.06025	0.752537	0.865187	0
TRPM2	-0.05945	0.752654	0.865204	0
MRPS5	-0.02444	0.752706	0.865204	0
CPEB2	0.073926	0.752746	0.865204	0
CLYBL	-0.03686	0.752849	0.865247	0
C3orf38	0.039563	0.75316	0.865426	0
DPYSL3	-0.03317	0.7532	0.865426	0
LETMD1	-0.02655	0.753264	0.865426	0
AC009404	0.059542	0.753276	0.865426	0
PGBD1	0.045875	0.753329	0.865426	0
ZNF335	0.027619	0.753457	0.86543	0
AC027682	0.060287	0.7535	0.86543	0
GATAD1	-0.02705	0.753545	0.86543	0
YBX1P10	-0.09523	0.753664	0.86543	0
GATAD2A	-0.02586	0.753717	0.86543	0
DLG5	-0.02376	0.753748	0.86543	0
MUC20	0.078964	0.75393	0.86543	0
LINC0063C	0.078633	0.754091	0.86543	0
RNF216P1	-0.03819	0.754142	0.86543	0

SYN1	0.070042	0.754181	0.86543	0
PIP4K2B	0.024164	0.7542	0.86543	0
PPP1R26	0.029442	0.754269	0.86543	0
WASH2P	-0.05328	0.754292	0.86543	0
NELL2	0.042508	0.754313	0.86543	0
DNASE1	-0.02986	0.754382	0.86543	0
ATP6V1E2	0.035218	0.754401	0.86543	0
AMOTL1	-0.04786	0.754436	0.86543	0
TMEM38B	-0.04355	0.755172	0.8662	0
NUP62	0.024647	0.755242	0.866205	0
TMEM50A	0.029972	0.755431	0.866348	0
TRIM38	-0.03963	0.755885	0.866794	0
CENPX	0.026054	0.756105	0.866972	0
SLC25A21	-0.05521	0.756188	0.866992	0
BRK1	-0.02383	0.756327	0.867041	0
STK38	-0.03285	0.75636	0.867041	0
AC011509	-0.0857	0.756449	0.867068	0
XXYLT1	0.028784	0.757068	0.867703	0
CYP2R1	0.03863	0.757286	0.867878	0
BRINP3	0.041383	0.757423	0.86796	0
AP001160	-0.06936	0.757843	0.868367	0
THSD1	-0.0706	0.757998	0.86847	0
ABHD13	-0.04564	0.758243	0.868676	0
EXOSC1	0.030225	0.758373	0.868729	0
ADAMTS7	-0.05978	0.758462	0.868729	0
CAPZB	0.023424	0.758485	0.868729	0
AL591895	0.05687	0.759174	0.869444	0
TRIM58	-0.03569	0.759293	0.869505	0
PHF19	-0.02562	0.759412	0.869567	0
ZNF277	0.049294	0.759551	0.869651	0
MYNN	-0.03795	0.759654	0.869653	0
EIF1AD	0.028866	0.759683	0.869653	0
PRDM11	0.035575	0.759793	0.869705	0
AL035587	0.074175	0.759894	0.869745	0
LCK	0.09053	0.760166	0.869887	0
AUH	-0.04202	0.760244	0.869887	0
UQCC1	-0.02896	0.760256	0.869887	0
TLCD4	-0.04242	0.760298	0.869887	0
ZFPM1	0.03607	0.760344	0.869887	0
TRMT10A	-0.07407	0.760505	0.869997	0
FHOD1	-0.02924	0.760805	0.870196	0
HEBP2	-0.02888	0.76081	0.870196	0
ATL1	-0.07805	0.760947	0.870245	0
CLN5	0.037744	0.760998	0.870245	0

PNMA8A	-0.02613	0.761049	0.870245	0
FADS1	0.02366	0.761129	0.870262	0
MIER3	-0.04636	0.761336	0.870425	0
TELO2	0.027863	0.76146	0.870492	0
NDST1	0.024591	0.761626	0.870607	0
ANKHD1	-0.06416	0.761791	0.870721	0
LIN9	-0.04203	0.76231	0.871195	0
IKBKG	-0.04468	0.762411	0.871195	0
SOX4	-0.03289	0.762507	0.871195	0
ARHGAP23	0.037591	0.762554	0.871195	0
AC018755	0.079629	0.762566	0.871195	0
LYRM1	-0.03248	0.762598	0.871195	0
AC004877	0.076866	0.762861	0.871369	0
SPATA33	-0.04338	0.762881	0.871369	0
ECI2	-0.02454	0.762987	0.871411	0
COX5A	0.024144	0.763049	0.871411	0
TM2D2	0.030219	0.763184	0.871491	0
ARNT	-0.02259	0.763358	0.87155	0
LPIN3	0.027117	0.763367	0.87155	0
C17orf75	-0.03721	0.763585	0.87165	0
C18orf32	0.075199	0.763606	0.87165	0
GLIPR2	-0.04439	0.76365	0.87165	0
CRAMP1	0.030447	0.76383	0.871777	0
PPL	0.060338	0.763892	0.871777	0
BLVRA	0.028544	0.764201	0.872055	0
ACAD11	-0.06647	0.764502	0.872104	0
HLA-DOA	-0.09525	0.764632	0.872104	0
IZUMO1	-0.06987	0.764655	0.872104	0
MPZL1	0.022464	0.764724	0.872104	0
ATP5F1B	0.023077	0.764724	0.872104	0
UBAP2L	0.022804	0.764755	0.872104	0
DCAF4	0.037016	0.764832	0.872104	0
TERF1	-0.03658	0.764869	0.872104	0
SRP14-AS1	-0.05921	0.764979	0.872104	0
CHEK2P2	-0.08304	0.765011	0.872104	0
LRRC46	0.072526	0.765024	0.872104	0
RNF213	-0.02257	0.765029	0.872104	0
ANTKMT	0.032177	0.765167	0.872187	0
TTC12	0.030125	0.765683	0.872649	0
MRPL3	-0.03017	0.765703	0.872649	0
CLUAP1	-0.03756	0.766215	0.873157	0
TM4SF1	-0.04417	0.766294	0.873167	0
NUTM2HP	-0.07141	0.766354	0.873167	0
VGLL4	0.023931	0.766461	0.873215	0

GATC	-0.02614	0.766551	0.873242	0
SSC5D	0.037002	0.766676	0.87331	0
XKR8	0.036435	0.766957	0.873555	0
STXBP3	-0.03577	0.767129	0.873611	0
TUBB6	-0.02332	0.767237	0.873611	0
TSPEAR-AS	0.038816	0.767276	0.873611	0
FRG1	-0.04323	0.767311	0.873611	0
CEL	0.071698	0.767334	0.873611	0
ATP1A1	0.021679	0.767405	0.873616	0
PHF21A	-0.02649	0.767478	0.873616	0
TSTD3	0.053854	0.767535	0.873616	0
ST7L	-0.02817	0.767786	0.87379	0
LZIC	-0.03127	0.767843	0.87379	0
EHMT1	-0.0236	0.767884	0.87379	0
SYDE2	-0.06103	0.768123	0.873988	0
CDKN1B	-0.02764	0.768245	0.874052	0
AC139530	0.034378	0.768374	0.874124	0
PWWP3A	0.025209	0.768627	0.874272	0
INCA1	0.078048	0.768636	0.874272	0
MIR22HG	-0.04558	0.768967	0.874575	0
LINC01521	-0.04288	0.769154	0.874713	0
B3GALT6	-0.02784	0.769411	0.874931	0
ERC1	0.023714	0.769595	0.875065	0
AC067930	-0.08632	0.769758	0.875128	0
SNORD4A	-0.07435	0.769782	0.875128	0
AC006001	-0.07856	0.770144	0.875465	0
KMT2B	-0.02519	0.770298	0.875565	0
AC007066	-0.08439	0.770418	0.875581	0
IQSEC1	-0.02364	0.770522	0.875581	0
BUD23	-0.02509	0.770563	0.875581	0
TMEM171	-0.07561	0.770574	0.875581	0
SP140L	0.032134	0.770774	0.875733	0
SYNC	0.059805	0.770912	0.875816	0
TEX9	-0.07258	0.771019	0.875862	0
NUTM2A-1	-0.03623	0.771271	0.875938	0
DPY19L1P	-0.06381	0.771275	0.875938	0
TPST2	-0.03007	0.771282	0.875938	0
GTF2E2	0.026506	0.771625	0.87623	0
GNL3LP1	-0.08526	0.771672	0.87623	0
SNX32	-0.07161	0.77183	0.876283	0
GPR19	0.060168	0.771868	0.876283	0
Z68871.1	0.086233	0.771915	0.876283	0
VPS35L	-0.02261	0.77242	0.876781	0
LINC01134	-0.0684	0.772582	0.876883	0

PDPR	-0.02478	0.772641	0.876883	0
WDR54	0.030757	0.773127	0.87736	0
NBEA	-0.03774	0.773624	0.877718	0
AL355309.	-0.08448	0.773627	0.877718	0
HOXD3	-0.05917	0.77364	0.877718	0
NEIL1	0.03225	0.773843	0.877874	0
DLG3	-0.02452	0.77391	0.877875	0
VMP1	-0.02366	0.774079	0.87799	0
DOHH	0.030916	0.774143	0.87799	0
ATP5MD	0.028725	0.774517	0.878254	0
FERMT3	0.062931	0.774578	0.878254	0
AC015871.	0.050058	0.774601	0.878254	0
TONSL	-0.02753	0.774639	0.878254	0
GID8	0.022705	0.774779	0.878273	0
ZNF530	-0.03882	0.77481	0.878273	0
LINC00205	-0.03162	0.774853	0.878273	0
RAD9A	0.030283	0.775281	0.878682	0
BCL7B	0.025702	0.775563	0.878927	0
SMIM20	0.035579	0.775921	0.879221	0
PDE9A	0.03167	0.775954	0.879221	0
AL359643.	-0.04562	0.77612	0.87928	0
COA6	-0.03088	0.776198	0.87928	0
GTF2IP4	-0.06292	0.776204	0.87928	0
PTGFRN	0.021224	0.776494	0.879534	0
DNAJB14	-0.0471	0.776604	0.879584	0
FAM217B	-0.03356	0.776782	0.879711	0
VIM-AS1	-0.05962	0.776981	0.879861	0
RHOBTB2	0.033793	0.777153	0.879919	0
PIK3CA	-0.04732	0.777164	0.879919	0
TGIF2	0.02428	0.777316	0.879944	0
Z95331.1	-0.08397	0.777323	0.879944	0
WIF1	-0.0229	0.777384	0.879944	0
GGA2	-0.02129	0.777559	0.880067	0
CHST2	0.02584	0.777635	0.880078	0
FIP1L1	-0.03174	0.777854	0.880252	0
GPRASP2	-0.03537	0.778092	0.880446	0
ALAD	-0.02562	0.778293	0.880538	0
EIF4H	0.02104	0.778305	0.880538	0
SYAP1	0.029362	0.778538	0.880661	0
SAP30L	-0.02736	0.778546	0.880661	0
TMEM74B	-0.03883	0.778629	0.88068	0
GPRIN1	-0.03122	0.778818	0.88082	0
STAT5A	-0.07471	0.779015	0.880968	0
CAAP1	-0.03701	0.779233	0.881113	0

AC008026	0.059115	0.77933	0.881113	0
LSM14B	-0.02307	0.779365	0.881113	0
ZNF225	0.046478	0.779445	0.881113	0
TCTN1	-0.03043	0.779474	0.881113	0
COX19	0.03179	0.779774	0.881378	0
WASIR2	-0.04902	0.779854	0.881393	0
HIST1H3H	-0.04485	0.78004	0.881447	0
HTT	-0.02128	0.780101	0.881447	0
CCNE1	0.029511	0.780105	0.881447	0
AL691432	-0.04646	0.780278	0.881447	0
TBC1D8-A	-0.06997	0.780281	0.881447	0
TRIM45	-0.02966	0.780299	0.881447	0
HIST1H2BJ	-0.05852	0.78068	0.881803	0
MYO15A	0.043813	0.780878	0.881953	0
PXMP4	-0.03397	0.781028	0.882047	0
PHC1P1	-0.05212	0.781187	0.882152	0
ARHGAP4C	-0.03207	0.78178	0.882689	0
PTPRG	0.026904	0.781795	0.882689	0
LRRC24	0.035454	0.781919	0.882754	0
PMS2P1	0.030296	0.782306	0.883117	0
PRR3	0.024546	0.78248	0.883172	0
JOSD1	0.021691	0.782488	0.883172	0
SEMA7A	0.078633	0.782683	0.883317	0
CNRIP1	-0.03796	0.782853	0.883421	0
MIR5689H	0.060603	0.782908	0.883421	0
LOX	0.07347	0.783003	0.883454	0
MOGS	0.02391	0.783286	0.883699	0
KDM2B	-0.02293	0.783785	0.884187	0
MGAT2	0.026656	0.783935	0.884229	0
ZMYND10	-0.0705	0.783955	0.884229	0
AC093512	0.046577	0.784097	0.884258	0
ZNF668	0.030531	0.784113	0.884258	0
ARHGAP3C	0.030142	0.784466	0.884581	0
CNKSR1	0.026403	0.784674	0.884741	0
HACL1	-0.0289	0.784782	0.884788	0
ANKRD22	-0.04152	0.785275	0.885269	0
SLC2A13	-0.04244	0.785652	0.885548	0
ATP5PO	-0.02701	0.785656	0.885548	0
DLX1	0.020407	0.785867	0.885629	0
BICRA	0.032869	0.785893	0.885629	0
ESD	0.02382	0.785978	0.885629	0
PAX6	-0.036	0.78609	0.885629	0
BNIP3	-0.02683	0.786199	0.885629	0
ANKH	-0.02473	0.786261	0.885629	0

LAMTOR3	-0.03175	0.786266	0.885629	0
LAPTM4A	0.020411	0.786272	0.885629	0
DLX2	0.020523	0.786326	0.885629	0
RBM23	0.021593	0.786523	0.885739	0
SEC22C	-0.0234	0.786556	0.885739	0
CCNC	-0.0297	0.786827	0.885969	0
YBX3	0.02089	0.786932	0.886012	0
DRAM2	0.025661	0.787103	0.886105	0
TFAP2E	0.044973	0.787147	0.886105	0
NOP16	0.024825	0.787215	0.886106	0
KMT2D	0.021485	0.787306	0.886135	0
COL1A1	-0.04108	0.787893	0.88672	0
TMEM126	-0.03476	0.787976	0.886739	0
MIIP	0.026761	0.788353	0.886982	0
OR10AH1F	0.065943	0.788378	0.886982	0
CUTC	0.027315	0.788392	0.886982	0
AC135721	0.058795	0.788722	0.887073	0
LINC01341	0.040045	0.788777	0.887073	0
EXT2	0.0226	0.788787	0.887073	0
MPZ	0.072462	0.788823	0.887073	0
B4GALNT1	-0.02327	0.788933	0.887073	0
TRAPPC5	-0.06105	0.788936	0.887073	0
AL136366	0.072906	0.788938	0.887073	0
SNHG11	0.030644	0.789431	0.887549	0
AC118344	0.066827	0.789495	0.887549	0
AL136295	-0.06501	0.789576	0.887565	0
BCL6	-0.04237	0.789648	0.887571	0
SLC39A3	-0.02699	0.78987	0.887747	0
FOXJ2	0.023376	0.790177	0.887916	0
CWF19L2	-0.04986	0.790193	0.887916	0
ABCA11P	0.046559	0.790221	0.887916	0
KDM4A	0.020976	0.790317	0.88795	0
KLHL14	0.024924	0.790605	0.888198	0
SF3A1	0.020232	0.790928	0.888487	0
CAST	0.030145	0.791084	0.888587	0
PLEKHN1	0.036097	0.791406	0.888874	0
RASA3	-0.02805	0.791951	0.889404	0
DDX19A	0.028801	0.792016	0.889404	0
DCAF15	0.023636	0.792078	0.889404	0
LSM6	0.025984	0.792471	0.889734	0
CHRNA3	-0.07237	0.792505	0.889734	0
PBX1	-0.02399	0.792578	0.889741	0
ETFA	0.021247	0.792814	0.88993	0
RRS1	-0.0257	0.793143	0.890224	0

SPECC1L	-0.02613	0.793251	0.89027	0
CYFIP1	0.020023	0.793432	0.890324	0
SMAP2	0.021685	0.793432	0.890324	0
RPS13P2	0.051238	0.793526	0.890355	0
LRRC28	-0.02729	0.793861	0.890434	0
SLC4A1	0.077564	0.793879	0.890434	0
WWTR1	-0.02676	0.793894	0.890434	0
EIF5AL1	-0.04229	0.79393	0.890434	0
CDHR3	-0.04807	0.793931	0.890434	0
NDOR1	0.027722	0.794147	0.890585	0
ONECUT2	-0.0454	0.794199	0.890585	0
PMS2P4	-0.05511	0.794492	0.890839	0
EPHA2	0.02692	0.794784	0.891092	0
CARF	0.048935	0.794922	0.891171	0
AC091982	-0.04847	0.795495	0.891738	0
RTL10	0.023315	0.795734	0.891835	0
ENY2	-0.02793	0.795753	0.891835	0
OGFOD2	-0.06457	0.795811	0.891835	0
ETFRF1	0.056495	0.795849	0.891835	0
PLXNB1	-0.02509	0.796237	0.892005	0
NUDT16	0.021427	0.796362	0.892005	0
RNF10	-0.0194	0.796419	0.892005	0
SLIRP	0.028521	0.796464	0.892005	0
QRICH2	-0.02938	0.796495	0.892005	0
CBX4	0.027458	0.796523	0.892005	0
TOX4	0.02144	0.796581	0.892005	0
WDR78	0.060812	0.796582	0.892005	0
LIN7B	0.048721	0.796602	0.892005	0
TTLL11	-0.04341	0.797002	0.892377	0
PRDX1	-0.02161	0.797152	0.89247	0
CYFIP2	-0.02128	0.797837	0.893162	0
AC007319	0.028461	0.798121	0.893384	0
PARP16	-0.02631	0.798185	0.893384	0
C18orf54	-0.056	0.798236	0.893384	0
PBX4	-0.04438	0.798306	0.893387	0
UPRT	0.036402	0.798389	0.893405	0
STIMATE	0.024827	0.798533	0.893453	0
S1PR1	0.028446	0.798566	0.893453	0
OTUD6B-A	-0.03669	0.798646	0.893468	0
RGS19	-0.03321	0.798728	0.893484	0
ZMAT3	-0.02796	0.798963	0.893628	0
AC116348	0.063085	0.79899	0.893628	0
RPF2	0.035425	0.799181	0.893766	0
PAQR5	0.062149	0.799372	0.893853	0

AGPAT4	-0.02505	0.799393	0.893853	0
SLC25A22	0.022468	0.799735	0.894019	0
ANK2	-0.03156	0.799787	0.894019	0
SMAD7	0.041639	0.79982	0.894019	0
AC099489	0.032305	0.799928	0.894019	0
TXNL4A	-0.02248	0.79994	0.894019	0
SPTAN1	0.018681	0.800003	0.894019	0
PIK3C3	-0.03512	0.800011	0.894019	0
TCP11L1	0.028714	0.800178	0.894053	0
CCDC89	0.06524	0.800183	0.894053	0
SSB	-0.02437	0.800242	0.894053	0
CACYBPP2	-0.07295	0.800422	0.894113	0
BRSK1	-0.0252	0.800551	0.894113	0
CELF5	-0.06489	0.80056	0.894113	0
TMEM44	0.024633	0.800564	0.894113	0
FAM53A	0.036283	0.800667	0.894124	0
NGRN	-0.02347	0.800708	0.894124	0
ACBD6	0.019959	0.800888	0.894244	0
MRGPRF	0.04462	0.80095	0.894244	0
AC010642	-0.03219	0.801138	0.894356	0
EMC1	0.020093	0.801184	0.894356	0
ZBTB3	0.030771	0.801578	0.894669	0
CYP2E1	0.059294	0.801599	0.894669	0
DHRS1	-0.03424	0.80171	0.894695	0
MEIS2	-0.02046	0.801756	0.894695	0
KATNBL1	0.037272	0.801918	0.894707	0
MAPK13	0.053903	0.801943	0.894707	0
GMPR2	0.020063	0.801969	0.894707	0
HEATR5A	-0.03568	0.802192	0.894789	0
HDLBP	-0.01925	0.80223	0.894789	0
ADARB1	-0.02597	0.802243	0.894789	0
PDHB	-0.0196	0.802371	0.894813	0
ZNF442	0.062002	0.802413	0.894813	0
ENTR1	0.020894	0.802498	0.894813	0
IL11	0.028653	0.802533	0.894813	0
ZNF592	0.019985	0.80272	0.894946	0
NCBP2AS2	0.024461	0.802964	0.895144	0
SNHG8	0.02357	0.803161	0.895248	0
MANF	0.020978	0.803192	0.895248	0
SUCLA2	0.031546	0.803416	0.895307	0
FBXW8	-0.02626	0.803432	0.895307	0
LINC01963	-0.04573	0.803496	0.895307	0
RIMS2	0.043462	0.803514	0.895307	0
IL18R1	-0.05775	0.803811	0.895564	0

ACSL3	-0.02065	0.804033	0.895737	0
SEC16A	0.019988	0.804151	0.895793	0
PPP3CB-AS	0.05872	0.804473	0.896077	0
ZNF791	-0.02606	0.804757	0.896302	0
ATP6V0A1	-0.02192	0.804867	0.896302	0
HSD17B6	0.052058	0.804877	0.896302	0
EIF5B	-0.02725	0.805269	0.896617	0
SDC4	-0.02899	0.805294	0.896617	0
VTA1	0.029454	0.80551	0.896782	0
DGKA	-0.0217	0.805578	0.896783	0
DICER1-AS	-0.04887	0.805711	0.896811	0
F8A1	-0.0592	0.805738	0.896811	0
OAZ3	0.059284	0.805848	0.896859	0
PRSS16	-0.03005	0.805928	0.896873	0
ATP6V1B1	-0.05886	0.806177	0.897075	0
CCDC137	0.019795	0.806344	0.897171	0
PSMA4	-0.0224	0.806498	0.897171	0
ANKRD46	-0.03127	0.806527	0.897171	0
LINC00839	0.021561	0.806532	0.897171	0
CPEB1	0.045387	0.806878	0.897481	0
KAZN	-0.02844	0.807005	0.897548	0
TBL1X	0.018459	0.807107	0.897585	0
NF2	-0.02	0.807334	0.897763	0
PCGF5	0.053177	0.807592	0.897975	0
C11orf74	-0.0398	0.807815	0.898148	0
ATG9B	-0.04288	0.807899	0.898167	0
RIMS4	-0.03257	0.808195	0.898203	0
ERV3-1	-0.03748	0.808202	0.898203	0
ZNF516	-0.02365	0.808209	0.898203	0
COMMD1C	-0.03773	0.808308	0.898203	0
TIMM10B	0.025256	0.808366	0.898203	0
GSKIP	0.041901	0.808393	0.898203	0
POLR3GL	-0.02605	0.808403	0.898203	0
TESC	0.029704	0.808479	0.898213	0
ZNF615	-0.06011	0.808737	0.898319	0
KBTBD6	-0.02506	0.808753	0.898319	0
NAA40	-0.02093	0.808777	0.898319	0
DUS2	0.023534	0.808871	0.898349	0
C17orf113	0.050849	0.809032	0.898359	0
ST13	-0.02006	0.809052	0.898359	0
ANK1	-0.02945	0.809083	0.898359	0
CRYZL1	-0.02761	0.809388	0.898615	0
GORASP2	-0.02095	0.809448	0.898615	0
IGF2BP2	-0.02016	0.809582	0.898689	0

NTN3	0.035878	0.809798	0.898854	0
DNMBP	-0.02123	0.809917	0.898911	0
TATDN2	0.02308	0.81015	0.899095	0
SARS2	-0.03707	0.810249	0.89913	0
AL442125.	-0.06979	0.810352	0.899169	0
RNF215	-0.0267	0.810465	0.899179	0
CCN1	-0.04223	0.810496	0.899179	0
AL035071.	-0.05762	0.810598	0.899218	0
ZNF547	-0.05297	0.81085	0.899358	0
CREB1	-0.02675	0.810859	0.899358	0
SERHL	0.061068	0.8113	0.89972	0
KCNH3	0.058061	0.811321	0.89972	0
LINC00467	0.033461	0.811428	0.899764	0
TMTC2	-0.04518	0.811783	0.900084	0
PTRH2	0.029529	0.812245	0.900465	0
NRARP	0.02346	0.812322	0.900465	0
IMP3	0.019736	0.81233	0.900465	0
AC019080.	-0.06235	0.812544	0.900628	0
SLC35F6	-0.02017	0.812844	0.900858	0
PPOX	0.020558	0.812893	0.900858	0
MRPL50	-0.02841	0.813012	0.900858	0
C1orf52	-0.03556	0.813029	0.900858	0
PSMG3-AS	-0.02436	0.813124	0.900858	0
TAPT1	-0.03035	0.813221	0.900858	0
ANKRD10	0.023043	0.813225	0.900858	0
RIMS3	-0.03273	0.81346	0.901021	0
MPRIP	-0.01853	0.813507	0.901021	0
BUD13	0.022808	0.813708	0.901164	0
SEC23B	-0.01966	0.813773	0.901164	0
EXOSC2	0.019636	0.813839	0.901164	0
THOC7	0.02135	0.813923	0.901182	0
LRRC42	-0.02083	0.814032	0.901228	0
SNHG32	0.025023	0.814197	0.901309	0
SMCR8	-0.02055	0.814241	0.901309	0
BYSL	0.021453	0.814478	0.901471	0
AC145207.	0.044435	0.814586	0.901471	0
RBM43	-0.02972	0.814589	0.901471	0
LINC00680	-0.03065	0.814716	0.901519	0
AC019197.	-0.02978	0.814768	0.901519	0
SRRM2-AS	-0.04227	0.814894	0.901584	0
PHKG2	0.021691	0.815478	0.902155	0
ETAA1	-0.04069	0.815674	0.902297	0
ZPR1	0.020403	0.815843	0.902408	0
INVS	0.022982	0.816006	0.902466	0

IDH3A	-0.02864	0.816061	0.902466	0
RPL11	-0.0194	0.816133	0.902466	0
ULK3	-0.02079	0.816246	0.902466	0
SLC25A25	0.023175	0.816278	0.902466	0
ASB16-AS1	-0.02872	0.816318	0.902466	0
ENTPD8	0.065624	0.816369	0.902466	0
VDR	-0.04298	0.816579	0.902576	0
DUSP10	0.060464	0.816603	0.902576	0
NUP85	0.018437	0.816695	0.902602	0
KCNK5	0.030905	0.816777	0.902618	0
AKNA	0.028322	0.817226	0.90304	0
HIGD1A	-0.0231	0.817342	0.903093	0
CENPV	-0.01958	0.817446	0.90312	0
PSTK	0.042948	0.817553	0.90312	0
ORMDL2	0.023006	0.81757	0.90312	0
HIC1	-0.02658	0.817862	0.903368	0
PSMD13	0.017488	0.817981	0.903377	0
TMEM121	-0.04283	0.818005	0.903377	0
PPM1J	0.030642	0.818359	0.903572	0
XPC	0.018494	0.818449	0.903572	0
EI24	0.017582	0.818501	0.903572	0
AGRN	0.020863	0.818668	0.903572	0
GOLIM4	-0.02246	0.818684	0.903572	0
PJA1	0.024808	0.818695	0.903572	0
RHEBL1	-0.0373	0.818702	0.903572	0
AL160006	-0.01939	0.818724	0.903572	0
POFUT1	0.018344	0.818832	0.903616	0
EPDR1	0.029314	0.818919	0.903637	0
C6orf120	-0.02327	0.819118	0.903751	0
KNOP1	-0.01891	0.819158	0.903751	0
C14orf28	-0.05474	0.819318	0.903853	0
AC021188	0.044303	0.819468	0.903944	0
ZNF391	0.039383	0.820107	0.904571	0
CACNA1D	-0.06005	0.820192	0.904571	0
ZNRF2P1	-0.04899	0.82037	0.904571	0
RSPH1	0.049707	0.820393	0.904571	0
AC022400	-0.0618	0.820404	0.904571	0
ALDH18A1	0.017617	0.820494	0.904571	0
IL20RB	-0.06124	0.820512	0.904571	0
TTC3P1	-0.05369	0.820634	0.904601	0
ABCF2	0.01728	0.820675	0.904601	0
ZNF134	0.025064	0.821065	0.904956	0
LRP4	0.02084	0.821185	0.905015	0
MAP3K15	0.028422	0.821272	0.905035	0

ZC3H14	-0.02849	0.821343	0.905038	0
CLCN5	-0.01848	0.821898	0.905575	0
THYN1	-0.02208	0.821971	0.905581	0
ANKRD11	-0.01731	0.822167	0.905657	0
SMCO4	-0.02778	0.822176	0.905657	0
NUDT8	0.038862	0.822278	0.905695	0
CXorf38	0.028914	0.82238	0.905718	0
MAP3K8	-0.04343	0.822435	0.905718	0
PHAX	0.025374	0.822635	0.905835	0
DVL3	0.01825	0.822703	0.905835	0
AC004890	-0.02337	0.822801	0.905835	0
DLG5-AS1	0.052473	0.822813	0.905835	0
NR2F1	-0.01704	0.823112	0.905989	0
ETV5	-0.0173	0.823118	0.905989	0
FBXL17	-0.02845	0.823157	0.905989	0
UBE3B	0.018759	0.823409	0.906191	0
VDAC1	0.017725	0.823482	0.906197	0
DMRTA1	-0.0521	0.823667	0.906313	0
TRIM69	-0.04654	0.823723	0.906313	0
ZFYVE27	0.023174	0.823853	0.906381	0
AC007906	0.049251	0.824286	0.906783	0
HYKK	0.029796	0.824546	0.90692	0
SMIM15	0.02677	0.824547	0.90692	0
ANKS1B	-0.04105	0.824652	0.906961	0
PPP1R3D	0.02725	0.824916	0.907176	0
CTBS	-0.04775	0.825047	0.907246	0
CBX2	-0.02482	0.825225	0.907358	0
DMTN	0.046797	0.825285	0.907358	0
PLK2	-0.03704	0.825533	0.907555	0
PRELID3A	-0.0288	0.825672	0.907633	0
JHY	0.03389	0.825799	0.907673	0
ALOX15B	-0.0546	0.825844	0.907673	0
BMT2	0.041974	0.826032	0.907804	0
FAM193B	-0.02143	0.82615	0.907831	0
TCEAL9	-0.02882	0.826192	0.907831	0
IGSF9	-0.04249	0.826267	0.907839	0
NOTCH2NI	-0.05378	0.826495	0.908014	0
MHENCN	-0.03717	0.826684	0.908147	0
AC012676	0.062018	0.826913	0.908323	0
MYBL2	0.017839	0.827112	0.908467	0
RPS13	-0.01601	0.82721	0.9085	0
NDUFB5	0.01823	0.82729	0.908513	0
YJEFN3	-0.05406	0.827472	0.908609	0
COG8	-0.02401	0.827514	0.908609	0

PDIA3	-0.01626	0.827649	0.908683	0
AVPI1	-0.02577	0.827833	0.90876	0
GMDS	-0.02007	0.827889	0.90876	0
ATG2B	0.02957	0.827924	0.90876	0
USP35	0.023363	0.828019	0.90879	0
LMNB2	-0.01723	0.828234	0.908951	0
HSBP1L1	0.033754	0.828439	0.909101	0
COX6B2	-0.03786	0.82874	0.909292	0
PGGHG	-0.01854	0.82875	0.909292	0
EMC9	0.021683	0.828907	0.909371	0
DGKQ	0.023142	0.828958	0.909371	0
CHMP1B	-0.02073	0.829168	0.90946	0
SH3PXD2B	-0.01738	0.829175	0.90946	0
SHANK3	-0.02181	0.829615	0.909868	0
AL109615	0.046855	0.829875	0.910033	0
WBP1LP2	-0.05254	0.829903	0.910033	0
MYH11	-0.04991	0.830006	0.910072	0
APLP2	0.016364	0.830293	0.910312	0
ZSWIM5	-0.02174	0.830387	0.910339	0
RFX5	-0.0161	0.830535	0.910357	0
IRAK1BP1	-0.03464	0.83054	0.910357	0
PPIL4	0.024677	0.830697	0.910455	0
ZCRB1	0.021738	0.830855	0.910519	0
IP6K2	0.01646	0.830892	0.910519	0
CATSPER2I	0.046667	0.831047	0.910589	0
CENPT	-0.01961	0.831093	0.910589	0
ITGB2	0.051616	0.831516	0.910979	0
ZCCHC10	0.029357	0.831682	0.911085	0
RNMT	-0.02102	0.832182	0.911558	0
THOC3	-0.02458	0.832376	0.911696	0
PFN4	-0.04495	0.832645	0.911867	0
ANKRD10	-0.05798	0.832669	0.911867	0
PRR22	0.044266	0.832738	0.911868	0
RSRC2	0.020974	0.833028	0.912055	0
GBAP1	-0.02717	0.833054	0.912055	0
RCBTB2	-0.03867	0.833115	0.912055	0
B9D2	-0.02975	0.833303	0.912186	0
HIRIP3	0.020815	0.833516	0.912344	0
DXO	0.021956	0.833642	0.912407	0
SETD9	-0.04253	0.833765	0.912413	0
TSPAN31	0.021581	0.833879	0.912413	0
POLR2D	-0.01665	0.833894	0.912413	0
ARPC1B	-0.03035	0.834014	0.912413	0
AC139530	-0.04369	0.834014	0.912413	0

COX16	-0.03875	0.834058	0.912413	0
NPDC1	-0.02129	0.834252	0.912448	0
KIAA1614	0.052472	0.834285	0.912448	0
AC007969	0.030518	0.834295	0.912448	0
TAF7	0.017845	0.834444	0.912472	0
AC099518	0.055746	0.834493	0.912472	0
TMEM45A	-0.0394	0.834594	0.912472	0
OSR2	0.022433	0.834631	0.912472	0
POMP	0.019925	0.834659	0.912472	0
ARMH1	0.045271	0.834762	0.912488	0
USP22	0.016188	0.83481	0.912488	0
SP2-AS1	0.047799	0.83573	0.913418	0
NEFH	-0.01684	0.835828	0.91345	0
HSPB8	0.037548	0.835986	0.913548	0
SMIM19	-0.0233	0.836086	0.913582	0
CPEB4	-0.035	0.836339	0.913763	0
HDAC10	-0.02164	0.836398	0.913763	0
RSBN1L	0.031378	0.836457	0.913763	0
AJUBA	-0.01799	0.836615	0.913861	0
NBEAL2	-0.0197	0.836749	0.913933	0
ASAH1	0.021481	0.837014	0.914147	0
KLHL15	0.025129	0.837137	0.914206	0
STN1	0.022131	0.837234	0.914238	0
MREG	-0.02359	0.83752	0.914438	0
ERCC3	-0.01604	0.837555	0.914438	0
PRR13	-0.01819	0.837789	0.914564	0
SOSTDC1	0.058673	0.837807	0.914564	0
PLEKHA8P	0.047071	0.838121	0.914831	0
PTPN21	-0.02319	0.838432	0.914977	0
ACBD5	0.02593	0.838457	0.914977	0
TRIM2	-0.02079	0.838527	0.914977	0
USP2-AS1	0.041961	0.838529	0.914977	0
LRRC57	-0.02491	0.838782	0.915179	0
GOLM1	-0.01663	0.839099	0.91545	0
HELQ	0.030762	0.839538	0.915851	0
MADD	-0.0161	0.839665	0.915851	0
DDA1	0.018275	0.839673	0.915851	0
SEMA3G	-0.02633	0.83977	0.915882	0
MED15	0.016242	0.839929	0.91595	0
SNX16	0.032199	0.83997	0.91595	0
CACTIN-AS	-0.04834	0.84008	0.915995	0
HOXC9	0.018997	0.840274	0.916072	0
NKAPD1	0.020559	0.840341	0.916072	0
PRNP	-0.01926	0.840357	0.916072	0

RBM3	-0.01763	0.840447	0.916095	0
MIR3936H	0.044688	0.840662	0.916255	0
TENM3-AS	-0.03555	0.840825	0.91634	0
FAM230C	0.032949	0.840897	0.91634	0
C6orf89	0.016587	0.840978	0.91634	0
IFT88	0.02728	0.841015	0.91634	0
CBLB	-0.03107	0.841254	0.916405	0
AP002748	0.028742	0.841276	0.916405	0
PTEN	0.024162	0.841281	0.916405	0
DAZAP2P1	-0.03893	0.841582	0.916641	0
PLEKHG2	-0.01643	0.841635	0.916641	0
EAPP	-0.02039	0.841887	0.91667	0
MDC1	0.015587	0.841888	0.91667	0
AC127496	0.038263	0.841918	0.91667	0
NXPE3	-0.02719	0.841937	0.91667	0
SIPA1L3	0.019082	0.842081	0.916716	0
AC000068	0.04861	0.842153	0.916716	0
RNPS1	-0.01528	0.842185	0.916716	0
KANK2	0.016047	0.842857	0.917372	0
DHODH	-0.02092	0.842951	0.9174	0
SDHAF2	-0.02409	0.843091	0.917477	0
PEG10	-0.01632	0.84331	0.917641	0
SYNPO2	-0.03194	0.843453	0.917721	0
DPYSL4	0.017217	0.843691	0.917905	0
AC034236	-0.04644	0.843806	0.917955	0
NUB1	0.018535	0.843964	0.917981	0
MED26	0.022426	0.843967	0.917981	0
NEK8	0.025507	0.844301	0.918253	0
ARL1	0.018124	0.84446	0.918253	0
PHF12	0.016623	0.844468	0.918253	0
DCAF13	0.019583	0.844556	0.918253	0
IFNAR1	-0.02143	0.844562	0.918253	0
SEMA4F	0.018666	0.845037	0.918696	0
MCM3AP-	0.030937	0.845202	0.918799	0
RAB8B	-0.02866	0.845404	0.918879	0
TRAF3	-0.01822	0.845413	0.918879	0
RNF8	-0.01918	0.845974	0.919396	0
CERS1	0.025258	0.846027	0.919396	0
GLYR1	-0.01479	0.846265	0.919565	0
AL031847	-0.03125	0.84632	0.919565	0
HSPB1P2	0.050187	0.846519	0.919707	0
CREB3L1	0.024307	0.846609	0.919729	0
ST7	0.018478	0.846773	0.919832	0
SNRPB2	-0.0199	0.846844	0.919835	0

MUC1	-0.02974	0.847454	0.920422	0
DDX27	0.016404	0.847545	0.920446	0
CACNA1C	0.019853	0.847631	0.920458	0
C1RL	-0.01824	0.847694	0.920458	0
DCTN5	0.014551	0.847808	0.920507	0
TMEM91	-0.03293	0.847907	0.920526	0
PFKFB3	-0.01597	0.847964	0.920526	0
C19orf57	-0.02287	0.848076	0.920573	0
AFAP1L1	-0.0522	0.848319	0.920762	0
ZFYVE26	0.015232	0.84858	0.920863	0
CARMIL2	0.017246	0.848645	0.920863	0
WDR20	-0.0284	0.84876	0.920863	0
MAP3K3	0.018352	0.848773	0.920863	0
TMEM216	0.020548	0.848785	0.920863	0
ABI1	0.020134	0.848827	0.920863	0
NFIC	0.016589	0.848902	0.92087	0
FBXO22	0.016112	0.849029	0.920895	0
PTCH2	0.025459	0.849064	0.920895	0
LINC01399	0.056128	0.849171	0.920937	0
ADGRG1	-0.04496	0.850147	0.92184	0
EEF1A1P5	-0.02591	0.850227	0.92184	0
ETV4	-0.0166	0.850273	0.92184	0
MIDN	0.019171	0.850284	0.92184	0
NIPSNAP3I	-0.05226	0.85035	0.92184	0
GXYLT2	-0.02271	0.850515	0.921907	0
EMP1	-0.01532	0.850572	0.921907	0
BDH2	-0.01943	0.850618	0.921907	0
H2AFV	0.016404	0.851097	0.92234	0
TRIM16L	0.030921	0.851203	0.92234	0
ZNF341	-0.02104	0.851312	0.92234	0
TMPPE	-0.03427	0.851314	0.92234	0
DDX31	0.018874	0.851364	0.92234	0
IZUMO4	0.026574	0.851676	0.922603	0
GTF2H5	0.020147	0.851844	0.92271	0
SVIL	-0.01738	0.852143	0.922958	0
DLST	-0.0156	0.852338	0.923095	0
USP38	-0.02546	0.852476	0.923146	0
CCDC85A	0.047298	0.852697	0.923146	0
AGPAT3	0.017535	0.852717	0.923146	0
TCFL5	0.019165	0.852764	0.923146	0
FBN2	-0.03461	0.852829	0.923146	0
KIF5A	0.022433	0.852874	0.923146	0
BABAM2	-0.01688	0.852898	0.923146	0
SETD6	-0.02567	0.852939	0.923146	0

NOP56	-0.01417	0.853339	0.923378	0
FAM120A	0.016457	0.853402	0.923378	0
EXOC3-AS1	0.036687	0.853429	0.923378	0
AC012313	-0.03354	0.85343	0.923378	0
PMS2CL	-0.02465	0.853542	0.923424	0
MB21D2	-0.0439	0.853629	0.923444	0
SNORD104	-0.03938	0.853961	0.923664	0
TMEM189	-0.01658	0.85403	0.923664	0
CCDC174	-0.02048	0.854041	0.923664	0
CDK11B	-0.01786	0.854291	0.923784	0
AP000662	-0.03939	0.854291	0.923784	0
VGLL3	0.049967	0.854452	0.923883	0
FBXO38	-0.02331	0.854889	0.924281	0
TRIM46	-0.02257	0.855162	0.924501	0
SEMA3C	0.018398	0.855331	0.924609	0
MRPS22	-0.02175	0.85559	0.924814	0
MRPL45P2	0.034364	0.855958	0.925137	0
BOD1	0.016724	0.856249	0.925341	0
PDE4DIP	0.019626	0.856286	0.925341	0
LONP2	0.016376	0.856523	0.925497	0
AC026469	-0.05443	0.856569	0.925497	0
FAAP20	0.016311	0.856798	0.925552	0
KHSRP	-0.01373	0.856817	0.925552	0
SNRNP27	0.018729	0.856829	0.925552	0
DDX39A	-0.01439	0.85707	0.925738	0
LPP	0.017678	0.857289	0.9259	0
AL390195	0.030682	0.857508	0.926062	0
SOS2	-0.02784	0.857644	0.926073	0
PADI2	-0.05432	0.857658	0.926073	0
MITD1	-0.0213	0.858607	0.927023	0
SDC3	0.026406	0.858781	0.927136	0
FRMPD2	0.050115	0.858963	0.927258	0
AC138028	0.038282	0.859112	0.927304	0
PHLPP1	0.022116	0.859145	0.927304	0
ZNF250	0.022336	0.859332	0.92743	0
NBPF8	0.021644	0.859465	0.927443	0
H19	-0.03302	0.859483	0.927443	0
OLFML2A	0.043839	0.859908	0.927793	0
MORN2	-0.02253	0.859946	0.927793	0
TRIM52-AS1	0.028449	0.860225	0.928019	0
ZBTB46	0.023084	0.860463	0.928196	0
CEBPB	0.022744	0.86054	0.928196	0
ING5	-0.01535	0.860598	0.928196	0
ATP5F1C	0.01605	0.860675	0.928203	0

NUDT6	0.02875	0.860765	0.928226	0
ERICD	0.046245	0.860944	0.928344	0
ZSWIM1	-0.01967	0.861091	0.928427	0
TESMIN	-0.02035	0.861189	0.928457	0
PSD4	-0.03645	0.861271	0.928471	0
POLD1	0.015895	0.861442	0.92858	0
AL355574.	-0.0373	0.861722	0.928698	0
CLP1	0.02012	0.86175	0.928698	0
AC010536.	-0.04811	0.86176	0.928698	0
INHA	-0.04904	0.861944	0.928821	0
PHKA2	-0.01469	0.862301	0.92913	0
RPL17	-0.02726	0.862636	0.929161	0
AC141586.	0.031305	0.862645	0.929161	0
ZNF853	-0.01957	0.862653	0.929161	0
PCSK4	-0.02751	0.862675	0.929161	0
PPP1R13L	-0.01861	0.862678	0.929161	0
PCDHA11	0.03516	0.86303	0.929307	0
ANKS3	-0.01916	0.863101	0.929307	0
ZMIZ2	0.017217	0.86311	0.929307	0
POM121	-0.01423	0.863123	0.929307	0
ZNF510	-0.02576	0.863162	0.929307	0
SPG21	-0.01392	0.863257	0.929334	0
AP006284.	-0.03245	0.863425	0.92944	0
CISH	0.023532	0.863502	0.929448	0
SULF2	0.030291	0.863802	0.929696	0
CD79B	0.045855	0.863999	0.929833	0
SLC2A8	-0.01987	0.86409	0.929856	0
C7orf61	-0.04894	0.864238	0.92988	0
SRPRB	0.015219	0.864252	0.92988	0
OXA1L	-0.01303	0.864639	0.930221	0
INMT	0.039068	0.865214	0.930719	0
FBXL2	0.022104	0.865241	0.930719	0
AC136475.	-0.04421	0.86562	0.931051	0
KYAT3	0.020714	0.865695	0.931056	0
MIATNB	-0.02977	0.866127	0.931447	0
PHOSPHO	-0.03802	0.866415	0.931681	0
BHLHE40	0.016795	0.866518	0.931716	0
THAP9	-0.04302	0.866606	0.931729	0
ATP10D	0.018642	0.866725	0.931729	0
ST3GAL3	-0.05107	0.866739	0.931729	0
LINC01184	-0.01735	0.867115	0.932058	0
CCDC177	0.042241	0.867363	0.932221	0
LCAT	-0.01873	0.867451	0.932221	0
SPTLC1	0.016572	0.867477	0.932221	0

ADAMTS1	-0.02072	0.867911	0.932429	0
PCGF1	-0.01562	0.867947	0.932429	0
KDM2A	-0.01298	0.868096	0.932429	0
PCDHB16	-0.02239	0.868297	0.932429	0
BLOC1S3	-0.01762	0.868302	0.932429	0
ZFP42	0.025158	0.868312	0.932429	0
ANKRD49	0.029707	0.868328	0.932429	0
SHISA3	-0.01765	0.868358	0.932429	0
GTF3A	-0.01507	0.868365	0.932429	0
SPECC1	-0.02194	0.868369	0.932429	0
COX11	0.017352	0.868696	0.932622	0
AKR1E2	-0.03885	0.868725	0.932622	0
NOC2LP1	0.046186	0.868837	0.932622	0
AC078909	-0.04679	0.868923	0.932622	0
ZMYM1	-0.02476	0.868981	0.932622	0
FAXC	0.018258	0.868982	0.932622	0
USB1	0.014742	0.869038	0.932622	0
SPAG16	0.024994	0.869284	0.93281	0
ALG2	0.016948	0.869733	0.933188	0
PAPSS2	-0.0154	0.869836	0.933188	0
ZNF628	-0.01898	0.869846	0.933188	0
TTC39C	-0.01974	0.870323	0.933625	0
FAM155B	-0.02335	0.870508	0.933748	0
SERHL2	-0.02686	0.870686	0.933863	0
SLC5A3	-0.01795	0.870847	0.933893	0
CHKB	0.017779	0.870853	0.933893	0
CEP170B	0.017122	0.871156	0.934071	0
TNFAIP8L1	0.014621	0.871159	0.934071	0
PACSIN2	-0.01344	0.871584	0.934451	0
TUBGCP6	0.015322	0.87174	0.934543	0
SPIN2B	-0.03283	0.871874	0.934544	0
DTWD1	-0.02645	0.871936	0.934544	0
CLNS1A	0.013866	0.871951	0.934544	0
PHKA1	0.014599	0.872091	0.934619	0
GOT2	-0.01213	0.872497	0.934979	0
ARHGAP45	-0.01609	0.872631	0.935047	0
WDR60	0.021139	0.872815	0.935169	0
SUMO3	0.015567	0.873024	0.935282	0
HAGHL	-0.01902	0.873181	0.935282	0
TMOD4	-0.03889	0.873228	0.935282	0
SIGLEC10	0.050315	0.873235	0.935282	0
RAD51AP1	0.025742	0.873271	0.935282	0
SUZ12P1	0.021325	0.873407	0.935352	0
TJP2	-0.04337	0.873549	0.93543	0

PLBD2	0.014141	0.873939	0.935771	0
ASB16	0.035861	0.874051	0.935816	0
ZNF267	-0.02843	0.874414	0.93613	0
TMEM221	-0.03356	0.874495	0.936141	0
RCE1	-0.01609	0.874973	0.936578	0
ALG14	0.024563	0.875129	0.93667	0
FGG	-0.04216	0.875262	0.936737	0
NDNF	0.021492	0.875413	0.936824	0
ZFP69	0.027083	0.875626	0.936964	0
SRPK3	0.040292	0.875685	0.936964	0
Z97353.1	-0.04375	0.876064	0.937223	0
AC010327	0.040037	0.876067	0.937223	0
ZBTB7A	-0.01433	0.876247	0.937339	0
TRIM68	0.018854	0.87693	0.937995	0
RNF19B	0.015197	0.877406	0.938429	0
C11orf24	0.014341	0.877519	0.938452	0
CCNY	0.014015	0.877597	0.938452	0
NMRK1	-0.01927	0.877638	0.938452	0
ZNF706	-0.01619	0.877863	0.938616	0
ATP6V1E1	-0.01702	0.878183	0.938765	0
DYNC1I2P	-0.03644	0.878185	0.938765	0
ZNF750	0.043265	0.878213	0.938765	0
LARS2	-0.01255	0.878595	0.939097	0
SP2	0.014162	0.878985	0.93944	0
AL031587	-0.02012	0.879236	0.939632	0
AL135999	0.020565	0.879518	0.93985	0
C1orf159	-0.01806	0.879582	0.93985	0
AC092114	0.026695	0.879651	0.93985	0
PA2G4	0.011431	0.879903	0.939959	0
ZNF461	-0.02653	0.880047	0.939959	0
COPA	-0.0112	0.880061	0.939959	0
LIG1	-0.01236	0.88007	0.939959	0
WASHC1	-0.03119	0.880106	0.939959	0
CA9	-0.01848	0.880294	0.940028	0
TOLLIP-AS	-0.04012	0.880332	0.940028	0
ZBTB8OS	0.017336	0.880382	0.940028	0
USP6NL	-0.01766	0.880609	0.940146	0
AC107375	-0.03477	0.880672	0.940146	0
ZNF658	0.04038	0.880704	0.940146	0
SREK1IP1	0.023225	0.880907	0.940256	0
MEAF6	0.014459	0.881002	0.940256	0
AC046185	-0.02794	0.881019	0.940256	0
SLC35A4	-0.01195	0.881425	0.940615	0
PEBP1	-0.01103	0.881552	0.940674	0

AIFM1	0.011711	0.881657	0.940712	0
MIOX	0.029195	0.881865	0.940859	0
TEAD4	-0.01313	0.88197	0.940895	0
AC021078	0.025724	0.882064	0.94092	0
SNAP29	0.014443	0.882165	0.940953	0
TEX30	-0.02681	0.882271	0.940988	0
AC011498	-0.0425	0.882339	0.940988	0
DPY30	0.016779	0.882581	0.94111	0
AC026403	0.035747	0.882595	0.94111	0
MRPL22	0.01372	0.882917	0.941379	0
ZNF707	-0.01796	0.883399	0.941748	0
AC018638	0.030407	0.883431	0.941748	0
Y_RNA	0.030965	0.883476	0.941748	0
WDR73	0.013348	0.883607	0.941813	0
AC027097	-0.04222	0.883785	0.941857	0
AMPD3	0.025239	0.883819	0.941857	0
IGHMBP2	-0.01519	0.883861	0.941857	0
AP006621	0.046189	0.88422	0.942165	0
TRIM25	0.01103	0.884665	0.942489	0
MRPS6	0.014458	0.884667	0.942489	0
RMDN3	0.013082	0.884736	0.942489	0
RTRAF	0.013045	0.884964	0.942605	0
STRADA	-0.02199	0.884986	0.942605	0
SBK2	-0.03118	0.88522	0.942725	0
RPL14	0.010998	0.885241	0.942725	0
GRIP2	0.023297	0.885341	0.942756	0
RPL3P7	-0.04199	0.885483	0.942832	0
DNAJB4	0.019083	0.885797	0.943092	0
MIR193BH	0.026071	0.886133	0.943321	0
TTC30B	-0.01815	0.886154	0.943321	0
MIA3	-0.01379	0.886285	0.943385	0
HOXB3	-0.01307	0.886474	0.94351	0
SLC25A46	-0.0217	0.886748	0.943727	0
ZNF155	0.021146	0.886876	0.943788	0
DDX19B	-0.01532	0.887105	0.943895	0
AC245060	0.040186	0.887118	0.943895	0
COL11A2	-0.03146	0.88751	0.944161	0
ZNF519	-0.03205	0.887566	0.944161	0
AC026748	0.017972	0.887581	0.944161	0
SNHG9	0.028877	0.887704	0.944215	0
NUDT1	-0.01439	0.887774	0.944215	0
MBD1	0.013148	0.888025	0.944402	0
HPS4	-0.01255	0.888156	0.944402	0
PCDH10	-0.03172	0.888162	0.944402	0

UPF3A	-0.01508	0.888258	0.94443	0
CASC3	0.011067	0.888357	0.944459	0
SMIM14	0.016065	0.888428	0.944459	0
TRMT44	0.018262	0.888603	0.94457	0
CHAF1B	-0.01247	0.888702	0.9446	0
ASLP1	-0.04372	0.888984	0.944825	0
AC020904	0.037986	0.889126	0.944871	0
RAB39B	-0.02508	0.8892	0.944871	0
CHKB-DT	-0.02732	0.889264	0.944871	0
QSOX2	-0.01173	0.889311	0.944871	0
LINC00578	0.025383	0.889463	0.944957	0
PPP1R3E	0.019128	0.88963	0.945059	0
SUPT6H	-0.01046	0.889861	0.945229	0
H3F3A	0.030201	0.890067	0.945373	0
EIF3J-DT	0.017678	0.890294	0.94551	0
PPIAP22	0.028067	0.890338	0.94551	0
PNMA1	-0.01333	0.890656	0.945555	0
MRPL23	0.016474	0.890801	0.945555	0
TK1	0.011126	0.890818	0.945555	0
USH1G	0.022041	0.890832	0.945555	0
AC106820	-0.03749	0.890837	0.945555	0
AC025171	-0.02218	0.890849	0.945555	0
TBCD	0.011232	0.890877	0.945555	0
DLX5	-0.03143	0.891138	0.945757	0
TOP3A	0.011092	0.891441	0.946003	0
RCC1	-0.01014	0.891613	0.946111	0
ZNF19	-0.03766	0.891959	0.946366	0
PARD6G	-0.01761	0.891996	0.946366	0
SNORD35E	0.030125	0.892556	0.946796	0
FAM171B	0.013998	0.892578	0.946796	0
CPED1	-0.01383	0.892614	0.946796	0
RPL26P6	0.03859	0.892864	0.94692	0
RIPOR3	0.01261	0.892873	0.94692	0
TRIB1	0.017448	0.893233	0.947226	0
CMTM8	0.017888	0.893739	0.947538	0
ZSCAN5A	0.021488	0.893744	0.947538	0
ALX1	-0.0287	0.89381	0.947538	0
PI4KAP1	-0.02349	0.893811	0.947538	0
TIMM23	-0.01149	0.893952	0.947612	0
LINC01588	0.021853	0.894031	0.94762	0
ANAPC16	0.0114	0.894623	0.948172	0
ZFP36L1	0.010693	0.894935	0.948428	0
UCHL3	0.027086	0.895073	0.948452	0
ALAS1	0.010449	0.8951	0.948452	0

AC136469	-0.04724	0.895316	0.948606	0
NDUFAF8	-0.01274	0.895509	0.948734	0
ITGAM	-0.02963	0.895702	0.948864	0
ABCF1	-0.01003	0.896556	0.949693	0
RBMS3	0.027036	0.897087	0.950109	0
NCAM2	0.020061	0.897091	0.950109	0
LINC0091C	-0.03677	0.897278	0.950151	0
RASGEF1C	0.023291	0.897329	0.950151	0
PIPSL	-0.03346	0.897345	0.950151	0
ZGPAT	-0.02281	0.897422	0.950157	0
LINC00863	0.024444	0.897606	0.950277	0
PSIP1	-0.01173	0.897795	0.950401	0
MIF4GD	0.012479	0.897928	0.950433	0
ATAT1	-0.01385	0.897968	0.950433	0
SHLD1	-0.02917	0.898073	0.950469	0
FUT11	-0.01281	0.898296	0.950629	0
FAS	0.024548	0.898397	0.950629	0
UBQLN2	-0.01223	0.898648	0.950629	0
AC108519	0.021038	0.898649	0.950629	0
AC015813	0.01877	0.898711	0.950629	0
ASPHD2	0.015317	0.898733	0.950629	0
SHPK	-0.02097	0.898743	0.950629	0
LINC02323	0.024711	0.898869	0.950629	0
TXNDC11	-0.01252	0.898902	0.950629	0
TAF8	-0.01283	0.898937	0.950629	0
AC025171	0.022481	0.899252	0.950825	0
COA5	0.012443	0.899265	0.950825	0
OLA1	0.011599	0.899364	0.950854	0
FOXN3	-0.01303	0.899438	0.950857	0
GEMIN2	-0.02016	0.899662	0.950939	0
FBLN7	0.011165	0.899729	0.950939	0
NDRG4	-0.01652	0.89973	0.950939	0
FANCE	-0.01278	0.899833	0.950973	0
UBOX5	0.014463	0.899974	0.951047	0
NFIX	0.010934	0.90017	0.951178	0
SUCLG1	0.010208	0.900497	0.951448	0
KIAA1217	0.018829	0.900744	0.951527	0
LRRC37A2	-0.0297	0.900824	0.951527	0
C2orf81	0.029135	0.900975	0.951527	0
FBRS1	-0.01214	0.901005	0.951527	0
LINC00265	0.021022	0.901024	0.951527	0
ZNF764	-0.01278	0.901039	0.951527	0
BCL2L11	-0.0163	0.901071	0.951527	0
C8orf82	0.012716	0.901421	0.951809	0

GGH	-0.01468	0.901481	0.951809	0
TMCO3	-0.01061	0.902106	0.952394	0
PLEKHF1	0.024643	0.902479	0.952712	0
SH2D2A	0.015369	0.902839	0.953016	0
AC006504	-0.01489	0.902926	0.953033	0
SFMBT1	-0.01465	0.90309	0.953086	0
MESD	-0.01064	0.90312	0.953086	0
AK2	0.00919	0.903297	0.953178	0
MSANTD3	0.012885	0.903426	0.953178	0
AC097534	-0.02894	0.903462	0.953178	0
RPL23AP4	0.02943	0.903492	0.953178	0
AC073111	-0.02749	0.903641	0.953181	0
TMEM260	-0.01423	0.903825	0.953181	0
GOLGA2P7	0.027124	0.90383	0.953181	0
STARD8	-0.01494	0.90384	0.953181	0
HOXC4	-0.01626	0.903852	0.953181	0
AL645728	-0.03553	0.903973	0.953233	0
NFKBIZ	-0.0222	0.904057	0.953246	0
CLN3	0.024937	0.904173	0.953264	0
AC012531	-0.01707	0.904218	0.953264	0
SSH1	-0.01035	0.904348	0.953326	0
C3orf33	0.030613	0.904491	0.953402	0
C2CD2L	0.013552	0.904656	0.953493	0
ZNF221	-0.03991	0.904743	0.953493	0
SMURF1	-0.0108	0.904792	0.953493	0
WASH7P	0.034949	0.904921	0.953517	0
BRD2	0.009075	0.904958	0.953517	0
IL4R	0.01191	0.905201	0.953697	0
ARHGEF16	0.020495	0.905894	0.954294	0
TOB1-AS1	0.027827	0.90591	0.954294	0
NID2	0.023371	0.906003	0.954316	0
LITAF	0.010179	0.906106	0.95435	0
RUNDC1	-0.01117	0.906449	0.954635	0
ICMT	0.009154	0.906998	0.955032	0
RANGAP1	-0.00935	0.907033	0.955032	0
CHD4	-0.01227	0.907041	0.955032	0
GCNT2	-0.01816	0.907255	0.955167	0
AMZ2P1	0.013568	0.907312	0.955167	0
EXT1	0.011232	0.90768	0.955479	0
PPP2R2C	-0.0101	0.908227	0.955888	0
CDPF1	0.012264	0.908231	0.955888	0
GAS2L1	-0.01036	0.908314	0.955888	0
AC009961	0.026121	0.908471	0.955888	0
COL4A5	0.009329	0.908582	0.955888	0

MAML2	-0.02359	0.908605	0.955888	0
SYNPO	0.02251	0.908633	0.955888	0
ZKSCAN5	0.012162	0.908681	0.955888	0
FAAP24	-0.01462	0.908714	0.955888	0
FHL2	-0.01159	0.908974	0.956013	0
CDS1	0.014054	0.908992	0.956013	0
RERE	0.008861	0.909047	0.956013	0
PAPPA	-0.02701	0.909235	0.956134	0
USP4	0.009963	0.909382	0.956214	0
RBM15B	0.008684	0.909565	0.95633	0
C3orf14	-0.02532	0.909878	0.956502	0
NPW	0.012336	0.909881	0.956502	0
EBF4	-0.02986	0.909943	0.956502	0
SLC43A2	-0.01126	0.910064	0.956554	0
FBXO36	-0.01991	0.910444	0.956635	0
TEDC2	-0.01117	0.91058	0.956635	0
AL450405.	-0.01759	0.910688	0.956635	0
TMCO1	-0.01091	0.910729	0.956635	0
CTNNA3	0.019672	0.910806	0.956635	0
WDYHV1	0.013107	0.910832	0.956635	0
NOL4L	0.010772	0.910869	0.956635	0
BRD4	0.009723	0.910888	0.956635	0
LRRTM3	0.01409	0.910907	0.956635	0
TRIM50	0.031428	0.910935	0.956635	0
RNASEL	-0.01762	0.910961	0.956635	0
CCDC127	-0.01117	0.911003	0.956635	0
HSD17B4	-0.0103	0.911167	0.956654	0
PCDHA5	-0.02932	0.911206	0.956654	0
HCG11	0.031306	0.911235	0.956654	0
ANKDD1A	-0.0145	0.911465	0.95682	0
LPXN	-0.01716	0.911657	0.956946	0
UBR5-AS1	0.025596	0.912067	0.957284	0
SLC25A10	0.012972	0.912123	0.957284	0
ZFP90	-0.01333	0.91227	0.957363	0
TWF1	0.013577	0.912347	0.957368	0
ADM	-0.01429	0.912738	0.957703	0
POSTN	-0.01005	0.912852	0.957747	0
TOPORS	-0.0143	0.912929	0.957753	0
XPNPEP1	0.008519	0.913011	0.957764	0
STAG3L2	-0.01789	0.913138	0.957785	0
HAP1	-0.02343	0.913231	0.957785	0
EPPK1	-0.02229	0.913285	0.957785	0
AL133215.	0.023522	0.913318	0.957785	0
IL1RAP	-0.02327	0.913482	0.957881	0

RHBDL1	0.016453	0.913826	0.958167	0
CAT	-0.01036	0.913947	0.958218	0
POC1A	-0.01061	0.914046	0.958246	0
INPP5A	0.009422	0.914146	0.958276	0
ITSN2	-0.01141	0.914573	0.958525	0
HDAC1	-0.00787	0.914581	0.958525	0
AC105219	0.022354	0.9146	0.958525	0
HFE	0.01064	0.9147	0.958555	0
MYO6	0.011821	0.914799	0.95857	0
EID1	-0.00978	0.914894	0.95857	0
A1BG-AS1	0.016237	0.91493	0.95857	0
DUSP22	-0.00908	0.91536	0.958945	0
CDHR1	-0.01765	0.915459	0.958974	0
ATAD3A	0.00995	0.915732	0.959184	0
MICU1	0.008782	0.916403	0.959786	0
ZBTB12	0.011424	0.916632	0.959786	0
AHSA1	0.008158	0.916825	0.959786	0
ZNF721	0.018465	0.916845	0.959786	0
TAOK3	0.01265	0.916871	0.959786	0
RNF115	-0.00943	0.9169	0.959786	0
ZNF276	-0.01061	0.916988	0.959786	0
ODC1	-0.00845	0.916993	0.959786	0
KARS	-0.00809	0.917006	0.959786	0
TPP1	0.010222	0.917155	0.959786	0
DTX1	0.036176	0.917172	0.959786	0
KCND2	0.017893	0.917194	0.959786	0
PDCD11	0.00783	0.917242	0.959786	0
GPRIN3	-0.02811	0.917533	0.959982	0
CDCA4	0.010176	0.917574	0.959982	0
PAM	0.008891	0.917737	0.960077	0
SMTN	-0.00891	0.917919	0.960192	0
ENDOD1	-0.01207	0.918096	0.960303	0
KDM2B-D1	-0.02753	0.918255	0.960393	0
LINC01569	0.022205	0.918427	0.960498	0
AC100786	0.020516	0.918577	0.960579	0
ARMCX5-C	-0.0168	0.918656	0.960587	0
COQ4	0.009501	0.919098	0.960953	0
GLTPD2	-0.02682	0.91915	0.960953	0
ABCC6P1	0.020144	0.919228	0.960958	0
EIF3M	-0.00975	0.919562	0.961182	0
COMMD9	-0.0111	0.919585	0.961182	0
PI4KA	-0.008	0.919877	0.96141	0
C1orf131	0.010648	0.920077	0.961545	0
RCN1	-0.00984	0.920375	0.961763	0

POLR3C	-0.00959	0.920431	0.961763	0
ATP2B4	-0.00889	0.920616	0.961882	0
AC093700	0.031019	0.920917	0.962121	0
SDCCAG8	0.011842	0.921018	0.962151	0
MEIS1	0.015535	0.921158	0.962221	0
AP001505	-0.01907	0.921324	0.962293	0
NACA3P	-0.02657	0.921371	0.962293	0
AC025884	-0.01523	0.921598	0.962455	0
PCAT7	-0.0101	0.921868	0.962662	0
SIAE	-0.01227	0.921967	0.96269	0
LINC01814	-0.02534	0.922209	0.962867	0
VDAC3	0.008625	0.922501	0.963097	0
RNF20	-0.00894	0.922613	0.963138	0
NBPF14	-0.01452	0.922686	0.963139	0
TIGD6	-0.01544	0.922766	0.963147	0
MFSD9	0.009162	0.923089	0.963326	0
PCDHB9	-0.01507	0.92311	0.963326	0
BRD1	-0.00825	0.923155	0.963326	0
TUSC3	-0.00817	0.923637	0.963644	0
TACC2	0.009499	0.923638	0.963644	0
NEK7	-0.01372	0.923676	0.963644	0
NTN1	-0.00982	0.924111	0.964023	0
CYREN	-0.00885	0.924311	0.964156	0
LAMTOR5	-0.01936	0.924876	0.96467	0
YBX1	0.007483	0.924984	0.964675	0
MIR29B2C	0.022018	0.925026	0.964675	0
TRIM62	-0.01965	0.9253	0.964885	0
CCDC134	0.011917	0.925943	0.965481	0
TRIM23	0.014612	0.926051	0.965492	0
POMT2	0.010646	0.926099	0.965492	0
HIST1H2BC	-0.0159	0.926352	0.965646	0
PLCL2	0.011694	0.926392	0.965646	0
ZNF433-AS1	0.016621	0.926781	0.965977	0
MTOR	-0.00711	0.927189	0.966296	0
TXNRD3	0.011495	0.927341	0.966296	0
UNC13B	0.007173	0.927395	0.966296	0
AC109449	0.023594	0.927451	0.966296	0
PSMC6	-0.00942	0.927464	0.966296	0
VTI1B	-0.00933	0.927523	0.966296	0
LAMB1	-0.00777	0.927829	0.966439	0
BX470102	-0.01788	0.927862	0.966439	0
UFD1	0.007517	0.927976	0.966439	0
DHRS12	0.020063	0.928159	0.966439	0
TBX4	-0.01264	0.928233	0.966439	0

AQP3	0.014757	0.928285	0.966439	0
AK6	0.013275	0.928307	0.966439	0
LINC00674	-0.01626	0.928311	0.966439	0
TEX261	-0.00703	0.928312	0.966439	0
ARMT1	0.011212	0.928904	0.96698	0
AC107419	0.023709	0.929408	0.967428	0
PLXNB3	0.018404	0.929492	0.967441	0
SLC30A4	-0.01973	0.929622	0.967501	0
GRK5	-0.01086	0.929881	0.967594	0
SMG1P1	0.029128	0.92991	0.967594	0
TMEM173	-0.0226	0.929929	0.967594	0
CHORDC1	0.010736	0.930084	0.967679	0
USP36	-0.00742	0.930419	0.967953	0
GLS2	0.008587	0.93055	0.968013	0
ASH1L-AS1	-0.01639	0.930694	0.968087	0
CNIH2	0.013194	0.930768	0.968089	0
ERAP1	0.008456	0.931007	0.96816	0
MIR210HG	0.014349	0.931027	0.96816	0
CHCHD4	-0.01062	0.931106	0.96816	0
RRAGB	-0.01245	0.931126	0.96816	0
GDPD3	-0.01569	0.931315	0.96828	0
UBE2D1	0.01327	0.931633	0.968464	0
CASKIN1	0.008678	0.931638	0.968464	0
AL512625	0.021286	0.931843	0.968491	0
CAMK2D	-0.00927	0.931866	0.968491	0
BTN1A1	0.023989	0.931882	0.968491	0
HPGDS	0.010489	0.932149	0.968582	0
UBE2T	0.007942	0.932167	0.968582	0
ADPRM	0.014891	0.932186	0.968582	0
SMARCD1	-0.00666	0.932266	0.968589	0
KBTBD4	-0.00757	0.932479	0.968617	0
C1QTNF12	0.027186	0.932584	0.968617	0
PALB2	-0.01325	0.932603	0.968617	0
ATG4D	0.009862	0.932637	0.968617	0
NR2C2AP	0.008089	0.932656	0.968617	0
MYO19	-0.00685	0.933039	0.968939	0
TNFAIP3	-0.01505	0.933399	0.969237	0
ZNF429	-0.01924	0.933672	0.969446	0
ZBED5-AS1	-0.01088	0.933861	0.969566	0
MARVELD1	-0.01521	0.934048	0.969685	0
DZIP1L	0.008733	0.934264	0.969833	0
R3HDM4	0.007625	0.93443	0.96993	0
ADAMTS4	-0.00889	0.934694	0.970129	0
N4BP3	0.01739	0.934946	0.970266	0

RNF44	0.007495	0.934972	0.970266	0
SLC9A5	-0.00953	0.935336	0.970495	0
NAT1	0.020652	0.935338	0.970495	0
IDS	-0.0139	0.935732	0.970821	0
COQ7	0.008652	0.9358	0.970821	0
LCN2	0.026305	0.93587	0.970821	0
WDR31	0.011165	0.93604	0.97089	0
CLASRP	0.0074	0.936197	0.97089	0
SHMT1	-0.00656	0.9362	0.97089	0
KCNN4	0.016383	0.936228	0.97089	0
SLC7A6OS	-0.00867	0.936635	0.971237	0
CMTM7	0.00762	0.936938	0.971474	0
FANCG	-0.00727	0.937707	0.972197	0
MYH3	-0.01842	0.938335	0.972687	0
SLC22A23	0.011757	0.938375	0.972687	0
BTBD9	0.008182	0.938399	0.972687	0
PTGES	0.007895	0.938478	0.972693	0
LINC00894	-0.02617	0.938571	0.972714	0
TSSC2	-0.01155	0.938679	0.97274	0
ID4	-0.01084	0.93883	0.97274	0
GAB1	-0.01209	0.938893	0.97274	0
IER2	0.006701	0.938935	0.97274	0
AMT	-0.02114	0.938961	0.97274	0
RASAL1	0.009397	0.93926	0.972914	0
AC090825	-0.01309	0.939274	0.972914	0
NSMCE1	0.006781	0.939712	0.973255	0
GIHCG	0.013915	0.93975	0.973255	0
CCDC183-1	-0.0179	0.939864	0.973298	0
EXOC2	-0.00802	0.940015	0.973378	0
SIAH2	-0.00745	0.94025	0.973435	0
TTC30A	0.017877	0.94034	0.973435	0
TATDN1	0.009808	0.940357	0.973435	0
ERFE	0.012401	0.940362	0.973435	0
TERF2	0.006737	0.940822	0.973836	0
ZNFX1	-0.00642	0.940956	0.973899	0
GRTP1	0.008348	0.9412	0.973988	0
SSPO	0.009508	0.941206	0.973988	0
SAMM50	-0.00628	0.941291	0.973988	0
HOXB7	-0.00995	0.941344	0.973988	0
GMDS-DT	0.01199	0.941408	0.973988	0
PIP4K2C	0.00658	0.941597	0.974108	0
AC026304	-0.02125	0.942008	0.974375	0
YIPF5	0.007707	0.94215	0.974375	0
GALNT11	-0.00661	0.942182	0.974375	0

MAD2L1B1	0.006499	0.942218	0.974375	0
DOT1L	-0.00589	0.94222	0.974375	0
CHTOP	0.005505	0.942434	0.974521	0
AL512408.	-0.01215	0.942544	0.974556	0
TPBG	-0.00761	0.942614	0.974556	0
H1FX	0.006463	0.942695	0.974564	0
RPF1	0.011577	0.942782	0.974578	0
MAGI3	0.008227	0.943104	0.974836	0
GALNT13	0.01148	0.943408	0.975074	0
CDC25B	-0.00566	0.943542	0.97508	0
LAMP2	-0.00752	0.943589	0.97508	0
RPS4XP16	-0.02087	0.943782	0.97508	0
AC026362.	-0.01136	0.943791	0.97508	0
VAMP4	-0.00839	0.943834	0.97508	0
COG1	-0.00678	0.943852	0.97508	0
FAM199X	0.008253	0.944288	0.975455	0
AC005775.	0.017022	0.94468	0.975784	0
MSMO1	0.006935	0.944807	0.975839	0
OSBPL1A	-0.00617	0.945137	0.975997	0
ZNF696	-0.00789	0.94522	0.975997	0
AC136604.	0.022012	0.945252	0.975997	0
AC018638.	-0.01149	0.945252	0.975997	0
TLK2	0.007418	0.945497	0.976095	0
WHAMM	0.008728	0.945529	0.976095	0
AL358472.	-0.01522	0.945623	0.976095	0
PLAUR	-0.00792	0.94564	0.976095	0
RNF216	0.005513	0.945759	0.976142	0
F3	0.016605	0.946198	0.976391	0
KDM3A	0.006336	0.946204	0.976391	0
NKAP	0.008505	0.946219	0.976391	0
CISD2	-0.00888	0.946387	0.976488	0
BTF3	0.00522	0.946497	0.976526	0
TNFRSF11A	0.012752	0.946636	0.976594	0
MORF4L1	-0.0055	0.946807	0.976602	0
TEAD3	0.007687	0.946856	0.976602	0
RTN4R	0.013302	0.946863	0.976602	0
MAPK8IP2	-0.01278	0.947002	0.976669	0
TCEAL1	0.00879	0.947084	0.976678	0
EVPL	0.006253	0.947182	0.976704	0
R3HDM2	-0.00634	0.947256	0.976704	0
SH3RF2	0.006942	0.947623	0.977007	0
SENP8	-0.01995	0.947736	0.977019	0
SLC8A2	0.009575	0.947781	0.977019	0
DUSP11	0.007342	0.948004	0.977174	0

AC012184	0.018076	0.948127	0.977225	0
STS	-0.01131	0.94841	0.977372	0
LINC01273	0.012491	0.948459	0.977372	0
SH3BP1	-0.00698	0.948533	0.977372	0
DYNC1H1	0.00512	0.948564	0.977372	0
LINC01529	-0.01571	0.948685	0.977422	0
CTBP1-DT	0.006521	0.94878	0.977444	0
IER5	0.005772	0.948895	0.977487	0
AC022730	-0.01005	0.949214	0.977741	0
MAT1A	-0.01718	0.949583	0.978045	0
LYSMD1	0.005779	0.949711	0.97805	0
ARHGAP24	-0.01487	0.949756	0.97805	0
ZNF773	-0.01152	0.949808	0.97805	0
DCST1-AS1	0.011648	0.949944	0.978075	0
HCP5	-0.00993	0.95009	0.978075	0
FAM92A	0.007267	0.950118	0.978075	0
GRK3	-0.00662	0.950131	0.978075	0
C1orf105	0.011344	0.950254	0.978075	0
TMEM218	0.005918	0.950273	0.978075	0
TAF13	0.006269	0.950362	0.978092	0
ZDHHC3	-0.00519	0.950585	0.978176	0
TFDP2	-0.00495	0.950679	0.978176	0
LINC02614	0.012082	0.950687	0.978176	0
ERN1	-0.00631	0.950737	0.978176	0
SAYSD1	-0.01018	0.950958	0.978299	0
RPL26L1	-0.00679	0.951004	0.978299	0
ACTR10	-0.00622	0.951209	0.978435	0
PIGO	0.006259	0.95132	0.978451	0
AC011815	-0.01886	0.951372	0.978451	0
FAM136A	-0.00495	0.951653	0.978665	0
MICU3	0.016389	0.952027	0.978974	0
AC005696	-0.01598	0.952374	0.979255	0
SPCS1	-0.00538	0.952562	0.979373	0
RPS19P1	0.016191	0.952834	0.979577	0
HEATR6	-0.00537	0.953001	0.979674	0
DDX55	-0.00608	0.953302	0.979907	0
PHF21B	0.014235	0.953665	0.98015	0
AC010203	0.016577	0.953685	0.98015	0
PINX1	-0.00573	0.954446	0.980603	0
ADAMTS1	-0.01419	0.954485	0.980603	0
AC012513	-0.01276	0.954549	0.980603	0
TGS1	-0.00595	0.954606	0.980603	0
MRPL40	0.005483	0.954655	0.980603	0
RNF114	0.004772	0.954672	0.980603	0

GRAMD1B	-0.00525	0.954679	0.980603	0
GPHA2	-0.00707	0.954715	0.980603	0
IFFO2	0.005928	0.954906	0.980724	0
ZNF182	-0.01113	0.954997	0.980742	0
NGF	0.01276	0.955483	0.981166	0
FAM86B2	0.015841	0.955894	0.981189	0
LBHD1	0.00879	0.955909	0.981189	0
SQLE	-0.0046	0.955927	0.981189	0
C1D	-0.00816	0.955937	0.981189	0
MRFAP1	-0.00425	0.955938	0.981189	0
CKMT2-AS	-0.00991	0.956011	0.981189	0
BCL2L12	-0.00551	0.956021	0.981189	0
C16orf91	-0.00589	0.956224	0.981322	0
LYSMD4	0.007047	0.956641	0.981674	0
ISG20L2	0.004259	0.95682	0.981708	0
DNAJC24	0.008884	0.956963	0.981708	0
AC110079	-0.00675	0.957005	0.981708	0
SDF2L1	-0.00517	0.957045	0.981708	0
TMEM200	-0.00523	0.957047	0.981708	0
TRAPPC2	-0.00635	0.957116	0.981708	0
FAM193A	-0.00466	0.957309	0.981831	0
AC100860	-0.0137	0.957676	0.982074	0
PITPNA	-0.00444	0.957765	0.982074	0
NEURL2	0.009675	0.957882	0.982074	0
FANCC	0.00507	0.957882	0.982074	0
SGMS1	-0.00519	0.957914	0.982074	0
PPFIBP2	-0.01449	0.958061	0.982149	0
TTLL5	-0.00686	0.958247	0.982187	0
REXO4	-0.00512	0.958345	0.982187	0
KLF3	0.005605	0.958359	0.982187	0
ENTPD5	-0.00672	0.958393	0.982187	0
CAPNS2	-0.01211	0.958651	0.982376	0
SLC25A51	-0.00905	0.958969	0.982626	0
ZIC1	-0.00684	0.959223	0.982725	0
PTPRD	-0.00612	0.959254	0.982725	0
SRR	-0.00611	0.959287	0.982725	0
VRK1	0.007605	0.959488	0.982798	0
GORASP1	-0.0046	0.959505	0.982798	0
AC008771	0.006067	0.959663	0.982884	0
PCDHA4	0.010907	0.959829	0.982978	0
SYNGR3	0.006137	0.960377	0.983445	0
SMIM10L1	-0.00543	0.960432	0.983445	0
FLVCR1-D1	-0.00649	0.960577	0.983496	0
GLRX	-0.00547	0.960629	0.983496	0

AC006453	-0.00917	0.960868	0.983665	0
MCF2L	0.013876	0.961023	0.983698	0
WHAMMP	0.008608	0.961047	0.983698	0
TTC39B	0.007673	0.961277	0.983857	0
CYP51A1- l	0.013549	0.961442	0.98395	0
EPS15L1	-0.00409	0.961696	0.984135	0
MAP7D3	0.006033	0.961895	0.984263	0
RRAS2	-0.00602	0.962239	0.98454	0
GPR161	-0.01201	0.963414	0.985452	0
ARHGAP17	0.003561	0.963507	0.985452	0
CLUL1	-0.01295	0.963566	0.985452	0
PPCDC	-0.00538	0.963623	0.985452	0
LINC01776	-0.01021	0.963735	0.985452	0
FREM2	0.007681	0.963821	0.985452	0
AC016065	0.005809	0.963877	0.985452	0
RHPN1-AS	-0.01044	0.963901	0.985452	0
PUS10	-0.00994	0.963938	0.985452	0
MLXIP	0.003498	0.963942	0.985452	0
ZNF689	0.004157	0.963944	0.985452	0
VWA5A	-0.0067	0.964139	0.985576	0
MED30	0.005553	0.964303	0.985668	0
SMG9	-0.00405	0.964556	0.985851	0
NLGN2	0.003576	0.964744	0.985876	0
PHRF1	-0.00384	0.964753	0.985876	0
EIF4B	0.003582	0.964809	0.985876	0
SIK3	0.003832	0.965016	0.985876	0
SEMA6A	-0.01414	0.965096	0.985876	0
ACAD8	0.004212	0.965148	0.985876	0
AARD	-0.01004	0.965204	0.985876	0
SLC9A6	-0.00506	0.965234	0.985876	0
SNX18	0.005155	0.965247	0.985876	0
FBN1	0.003926	0.96532	0.985876	0
SRD5A1	0.004683	0.965521	0.986005	0
ZDHHC5	0.003281	0.965879	0.986296	0
AC004706	0.009135	0.965965	0.986308	0
TMEM106	-0.00341	0.96625	0.986492	0
SPHK2	0.003983	0.966293	0.986492	0
CMIP	-0.00389	0.96642	0.986546	0
DERL2	-0.00394	0.966569	0.986614	0
FMNL3	-0.00388	0.966664	0.986614	0
ZNF497	0.006369	0.966709	0.986614	0
GPLD1	-0.00463	0.967084	0.986878	0
VIL1	-0.00701	0.967116	0.986878	0
TMEM165	-0.00373	0.967328	0.98702	0

DYNLL2	0.00329	0.967628	0.98725	0
ARL6	0.008396	0.967795	0.987345	0
SRRD	0.003651	0.96802	0.98745	0
EPB41L4A-	0.003925	0.968046	0.98745	0
STARD5	0.007466	0.96832	0.987552	0
SMIM27	0.006583	0.968381	0.987552	0
ERCC4	-0.00712	0.968459	0.987552	0
CYB561D1	0.003694	0.968522	0.987552	0
MON1B	0.003693	0.968531	0.987552	0
CHMP4C	-0.00478	0.968639	0.987552	0
RANP1	0.010274	0.968664	0.987552	0
TCTN2	-0.00428	0.968805	0.987619	0
ZNF888	-0.01178	0.968973	0.987715	0
MRGBP	-0.00344	0.969222	0.987893	0
CLCN6	-0.00328	0.969339	0.987937	0
C2orf72	-0.0051	0.969542	0.987964	0
HIST1H2BF	-0.00982	0.96958	0.987964	0
ZNF487	-0.01095	0.969588	0.987964	0
TIGD3	-0.00963	0.969692	0.987996	0
JPH4	0.005917	0.969977	0.988087	0
ARX	0.00865	0.970015	0.988087	0
PPP1R13B	0.004226	0.970131	0.988087	0
SSRP1	0.002832	0.970159	0.988087	0
TP53BP1	0.003225	0.970229	0.988087	0
SLC5A11	-0.00685	0.970379	0.988087	0
FAM110D	-0.0062	0.970438	0.988087	0
FAM192A	-0.00323	0.970529	0.988087	0
MCM3AP	0.002915	0.970633	0.988087	0
PRR7	-0.00389	0.970638	0.988087	0
DRC3	-0.01051	0.97073	0.988087	0
AC022210	-0.00573	0.970795	0.988087	0
PRPSAP1	0.00284	0.970882	0.988087	0
TSNARE1	-0.00534	0.970932	0.988087	0
ISCU	-0.0033	0.97096	0.988087	0
ZSWIM9	0.003832	0.971044	0.988087	0
EPOP	0.003994	0.971116	0.988087	0
BLOC1S4	-0.00359	0.971117	0.988087	0
PPP1R11	0.00316	0.971459	0.988248	0
ACKR3	-0.00865	0.971596	0.988248	0
ZNF185	0.006258	0.9716	0.988248	0
YAF2	-0.00557	0.971627	0.988248	0
CCL5	-0.00937	0.971692	0.988248	0
EFNB1	-0.00396	0.971774	0.988248	0
SNHG6	0.004058	0.971828	0.988248	0

BRPF3	0.00293	0.971912	0.988248	0
YPEL5	0.003494	0.972008	0.988248	0
GATAD2B	-0.00272	0.972047	0.988248	0
ADM2	-0.0051	0.97209	0.988248	0
C1orf109	-0.00387	0.972738	0.988823	0
INA	-0.00586	0.972844	0.988823	0
NOTCH1	0.004258	0.97289	0.988823	0
LINC00926	0.008117	0.972967	0.988823	0
DCUN1D3	-0.00429	0.973075	0.988823	0
GRAMD2A	-0.00374	0.9731	0.988823	0
BISPR	0.003254	0.97328	0.98893	0
DLGAP4-A'	0.007293	0.973489	0.989067	0
NOP9	-0.0028	0.973662	0.989076	0
AC005229	0.005492	0.974009	0.989076	0
IL17RD	-0.00547	0.974043	0.989076	0
AL513365	0.010232	0.974064	0.989076	0
CNGA1	0.00847	0.974167	0.989076	0
TNFRSF10I	0.002595	0.974178	0.989076	0
ADIPOR1	0.002483	0.974226	0.989076	0
CCNT2-AS'	-0.00549	0.97423	0.989076	0
MTM1	0.006282	0.974307	0.989076	0
ATXN2	-0.00288	0.974426	0.989076	0
CHDH	0.004691	0.974515	0.989076	0
YPEL1	-0.00836	0.974568	0.989076	0
GCFC2	-0.00364	0.974573	0.989076	0
MYO1E	0.003068	0.974594	0.989076	0
SLC2A4	-0.0072	0.97461	0.989076	0
TMC3-AS1	-0.00795	0.97475	0.989094	0
TRAF3IP1	-0.0036	0.974817	0.989094	0
SLC6A10P	-0.00586	0.974851	0.989094	0
ADGRL1	-0.00243	0.974946	0.989115	0
SALL1	-0.00308	0.975315	0.989358	0
MGST1	0.003758	0.975334	0.989358	0
SNX3	-0.00296	0.975411	0.989361	0
AGK	0.003609	0.975694	0.989544	0
ZSCAN9	0.003437	0.97574	0.989544	0
MCPH1-AS	0.00674	0.975893	0.989606	0
DNAJA2	-0.00257	0.975949	0.989606	0
PSEN1	-0.00333	0.976068	0.989616	0
FAM76B	0.005021	0.976154	0.989616	0
NAPG	0.004139	0.976255	0.989616	0
DHX8	-0.00239	0.976256	0.989616	0
ADIRF-AS1	0.00534	0.976725	0.990016	0
MFAP1	0.003018	0.976999	0.990055	0

MSX2	0.005789	0.977065	0.990055	0
LINC01003	-0.00451	0.97711	0.990055	0
PTPN9	-0.00229	0.977115	0.990055	0
PDCD5	0.00271	0.977134	0.990055	0
C19orf81	-0.00589	0.977306	0.990099	0
TBC1D2	0.005898	0.977327	0.990099	0
CHMP7	-0.00247	0.977464	0.990143	0
MSH3	0.003494	0.977593	0.990143	0
LSM8	-0.00317	0.977593	0.990143	0
ERCC6	0.003472	0.97796	0.99044	0
KALRN	-0.00757	0.978097	0.990503	0
MED9	-0.00255	0.97819	0.990522	0
WWC1	-0.00234	0.978414	0.990673	0
AC068205	0.006262	0.978659	0.990847	0
ALKBH8	-0.00451	0.978819	0.990934	0
MBL2	-0.00459	0.979065	0.991107	0
CASZ1	-0.00842	0.979178	0.991146	0
GHITM	0.001964	0.979404	0.9913	0
MYL5	0.004018	0.979574	0.99134	0
GALNT7	0.003128	0.979603	0.99134	0
SEPSECS	0.005277	0.979767	0.99134	0
SH3BP5	-0.0027	0.979834	0.99134	0
AC234582	0.005866	0.979946	0.99134	0
SDHAF3	0.003221	0.980014	0.99134	0
ELOVL3	0.004503	0.980016	0.99134	0
KLHL21	0.002189	0.980047	0.99134	0
NFKBID	-0.00403	0.980113	0.99134	0
PSMA2	0.00484	0.980397	0.991552	0
ZNF766	0.003234	0.980613	0.991695	0
BTBD7	0.002675	0.980803	0.991813	0
FSTL1	-0.00297	0.980909	0.991817	0
HMCES	-0.00194	0.980956	0.991817	0
EIF4HP1	-0.00721	0.981155	0.991943	0
TOR1B	0.002245	0.981277	0.991961	0
MIEF1	-0.00182	0.981322	0.991961	0
HEY1	0.003755	0.981783	0.992287	0
CASP4	-0.00357	0.981984	0.992287	0
CIDECP1	0.003684	0.982031	0.992287	0
IPO9-AS1	-0.0067	0.982046	0.992287	0
RNF166	-0.00249	0.982202	0.992287	0
PYGL	0.001763	0.982249	0.992287	0
OSCAR	-0.00449	0.982267	0.992287	0
NHSL1	0.003964	0.982283	0.992287	0
DENND3	0.004071	0.982376	0.992287	0

RHOU	-0.00544	0.982541	0.992287	0
UBE2E2	0.002009	0.982651	0.992287	0
BAG2	0.002199	0.982657	0.992287	0
USP21	-0.0018	0.98267	0.992287	0
AL022238	0.005017	0.982687	0.992287	0
ALDH1A1	-0.00187	0.982879	0.992407	0
ZNF557	0.00271	0.983368	0.992769	0
ACACA	-0.00156	0.983387	0.992769	0
MTATP6P1	0.001565	0.983737	0.993047	0
SDHC	-0.00159	0.984167	0.993406	0
SHROOM1	0.002163	0.98436	0.993525	0
AC007383	-0.00554	0.984615	0.993708	0
LRRC25	0.004452	0.984779	0.99376	0
STIP1	0.001414	0.984816	0.99376	0
DNMT3B	-0.00175	0.984923	0.993781	0
SKI	-0.00167	0.985142	0.993781	0
IK	-0.00179	0.98523	0.993781	0
KCNA7	-0.0049	0.985292	0.993781	0
JPT1	-0.00138	0.98534	0.993781	0
IQCC	-0.0027	0.985354	0.993781	0
TMBIM6	-0.00137	0.985359	0.993781	0
ELMO3	0.002516	0.985482	0.993831	0
SRSF9	-0.00136	0.985851	0.994099	0
RALGDS	-0.0027	0.985897	0.994099	0
KLF5	-0.00268	0.986608	0.99474	0
PARP9	-0.00238	0.986767	0.994761	0
SYDE1	-0.00137	0.986857	0.994761	0
TMEM126	-0.00246	0.986942	0.994761	0
NDUFA11	0.001851	0.986996	0.994761	0
HACD3	-0.00135	0.987018	0.994761	0
CPLANE2	0.002888	0.987076	0.994761	0
PTGER1	-0.00346	0.987163	0.994774	0
MRPL42	-0.0018	0.987348	0.994875	0
SUSD6	-0.0016	0.987414	0.994875	0
IQCD	-0.00328	0.987531	0.994919	0
LINC01224	0.001966	0.987828	0.995143	0
TMSB15B	-0.00408	0.987953	0.995157	0
METT5	-0.00171	0.987992	0.995157	0
AC040977	0.003789	0.988099	0.99519	0
ADORA2B	-0.0017	0.988196	0.995212	0
GPATCH2	0.001899	0.988382	0.995322	0
VAV2	-0.00127	0.988454	0.995322	0
PIK3R5	-0.00203	0.988788	0.995583	0
TPRN	0.001479	0.988907	0.995588	0

HSD17B11	0.001558	0.988943	0.995588	0
C1QL1	-0.00232	0.989326	0.995899	0
TIPRL	-0.00132	0.989525	0.995978	0
WDR25	0.002777	0.989554	0.995978	0
PARD3	-0.00134	0.989749	0.996058	0
DDIT3	0.001534	0.989782	0.996058	0
BRICD5	-0.00195	0.989877	0.996078	0
LRRC59	0.000932	0.990078	0.996204	0
ARVCF	0.00175	0.990261	0.996304	0
JMJD7	0.001822	0.990326	0.996304	0
ZNF644	0.00251	0.990427	0.996325	0
BCL7A	0.001093	0.990496	0.996325	0
RADIL	0.001256	0.990762	0.996443	0
RIPK1	0.001079	0.990822	0.996443	0
ZNF440	0.001628	0.990887	0.996443	0
LIMK2	0.001101	0.990941	0.996443	0
CEP85L	0.003279	0.990987	0.996443	0
CDON	0.00125	0.991268	0.99665	0
RXYLT1	0.001631	0.991385	0.996692	0
ENAH	-0.00088	0.991753	0.996906	0
HCST	-0.00323	0.992045	0.996906	0
ZNF333	0.001103	0.992196	0.996906	0
CYSLTR2	0.002469	0.992211	0.996906	0
DLGAP1-A'	-0.00172	0.992252	0.996906	0
SNX14	0.000984	0.992265	0.996906	0
TRIM14	-0.00097	0.992266	0.996906	0
AC020916	-0.0015	0.992288	0.996906	0
DCLK2	-0.00139	0.992295	0.996906	0
CABP1	0.002467	0.992345	0.996906	0
GEMIN7-A	0.002066	0.992503	0.996931	0
AC122688	0.001854	0.992519	0.996931	0
ZNF839	-0.00112	0.992746	0.996947	0
MZF1-AS1	0.001792	0.992801	0.996947	0
TFR2	0.002096	0.992806	0.996947	0
PAX1	0.001874	0.992865	0.996947	0
RAE1	-0.00074	0.99296	0.996947	0
THAP2	-0.00173	0.993104	0.996947	0
ERO1B	-0.00179	0.993194	0.996947	0
SNORA64	-0.00183	0.993326	0.996947	0
NACC2	-0.00089	0.993377	0.996947	0
NUP188	0.000636	0.993393	0.996947	0
HMGA1P8	-0.00207	0.993469	0.996947	0
CDC42BPB	0.000636	0.993497	0.996947	0
JARID2	-0.00079	0.99369	0.996947	0

UBE2E1	-0.00071	0.993712	0.996947	0
MANEA	0.001755	0.993744	0.996947	0
OSBPL8	-0.00098	0.993755	0.996947	0
IRAK2	-0.00108	0.993858	0.996947	0
XPA	0.000994	0.993881	0.996947	0
ZNF268	0.00102	0.99413	0.997121	0
ST6GAL1	-0.00073	0.994336	0.997253	0
TTC28	-0.00057	0.994496	0.997339	0
PLXDC2	-0.00117	0.994589	0.997357	0
SLC37A4	-0.00062	0.99482	0.997474	0
SNHG20	-0.00087	0.994856	0.997474	0
SRGAP2B	-0.00138	0.995131	0.997562	0
ZNF337	0.000639	0.99517	0.997562	0
SLC49A4	0.00084	0.995381	0.997562	0
AHDC1	-0.00058	0.995412	0.997562	0
CYBRD1	0.00046	0.995528	0.997562	0
ISL2	0.000621	0.995582	0.997562	0
INTS4	0.000561	0.995689	0.997562	0
ANKRD16	-0.00063	0.995692	0.997562	0
DCAF12	-0.00041	0.995789	0.997562	0
AC073869	0.000521	0.995793	0.997562	0
SCAMP1-A	0.000689	0.995801	0.997562	0
PANK1	0.000577	0.995849	0.997562	0
LINC01023	0.001487	0.995916	0.997562	0
FTSJ3	-0.00037	0.996159	0.997731	0
ROBO2	0.000341	0.996603	0.9981	0
NRROS	-0.00053	0.997069	0.998492	0
ZNF101	-0.00036	0.997194	0.998542	0
AC016642	0.000423	0.997301	0.998574	0
CSRP2	0.000518	0.997394	0.998593	0
FGFRL1	0.000384	0.997479	0.998603	0
POM121C	0.00023	0.997774	0.998822	0
WVOX	0.000259	0.998144	0.999119	0
PTBP1	-0.00016	0.998256	0.999143	0
IGF1R	0.00017	0.998319	0.999143	0
RPGRIP1L	-0.00027	0.998482	0.999231	0
TMEM191	0.000376	0.998579	0.999254	0
ZNF316	-0.00016	0.998685	0.99928	0
BBIP1	0.000259	0.99881	0.99928	0
PIGV	0.00015	0.99883	0.99928	0
RPS6KA2	0.000118	0.999097	0.999423	0
VSIG10	0.000103	0.999195	0.999423	0
NKIRAS1	0.000164	0.999198	0.999423	0
RPL10P9	-7.1E-05	0.999414	0.999564	0

EEF1B2P3	-2.4E-05	0.999911	0.999986	0
TNFRSF25	-4.3E-06	0.999986	0.999986	0