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"2","TNFRSF12A",110.121936055088,-2.3000091803517,0.259580314548416,-8.86049153747642,7.96624093935279e-19,6.13998020400616e-15
"3","ANOS1",168.098137814156,2.6275811959801,0.306334689236577,8.57748498065416,9.69700375196524e-18,4.98264376121814e-14
"4","CCN3",118.32474994201,-2.13444082876737,0.26446757136203,-8.07070907701398,6.98910701450436e-16,2.69342711571462e-12
"5","CAV1",1821.98329407341,-1.77230739618196,0.238014887563783,-7.44620395103232,9.60642599504762e-14,2.96166113427318e-10
"6","CD36",159.749348023261,-2.73117764576374,0.376311245263662,-7.25776250414772,3.93545738822371e-13,1.01108459399114e-09
"7","FABP4",265.595261125657,-2.94477251342905,0.409928152144363,-7.1836308339028,6.78840111386551e-13,1.49490290243195e-09
"8","VEGFD",794.632208681302,1.53900539590106,0.222071515075282,6.93022423600495,4.20174069223933e-12,8.09622909635867e-09
"9","PDGFD",699.176119500167,1.75791374299692,0.259660392469976,6.770049626264,1.2873822943889e-11,1.98449980680048e-08
"10","DYNLT3",91.8332152417499,-1.56421801130949,0.230748799772191,-6.77887821238408,1.21112564274216e-11,1.98449980680048e-08
"11","CTHRC1",1623.46600024854,-1.8735508500622,0.281287661960683,-6.66062221500521,2.72670714320603e-11,3.8211082375019e-08
"12","ARSI",26.3102140570139,-2.98402748563309,0.4514318040619,-6.61014013364447,3.83956391771337e-11,4.93223981596263e-08
"13","CD9",1239.00201406808,-2.77178775329661,0.421086337097454,-6.58246898344536,4.62699351720987e-11,5.48654654367617e-08
"14","PERP",171.254599976734,-2.58210858495597,0.393725810488684,-6.55813897938546,5.44834211360065e-11,5.99901383436814e-08
"15","LMNA",4855.3418298381,-1.2362994509148,0.193205965282115,-6.39886790819104,1.56533183390319e-10,1.60863934797451e-07
"16","ANGPTL1",489.52322093608,-1.15369911815002,0.182913801683966,-6.30733770513038,2.83875992577442e-10,2.73496776598829e-07
"17","SEMA3E",84.3002378014287,-3.05079035424434,0.486701311178682,-6.26830107947729,3.65008516861467e-10,3.30976840436442e-07
"18","TRIL",144.462350072582,1.6025046320406,0.25748751126547,6.22362080461611,4.85810427362251e-10,4.16042652099395e-07
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"24","CAPG",270.675108276406,-2.22129527034489,0.379558087598366,-5.85231969209249,4.84763670114389e-09,3.11359665617221e-06
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"35","RNASE1",44.2420929019324,-2.57246512716116,0.457051528692156,-5.
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"36","RGCC",238.030822912004,-1.55903306710693,0.278774678914253,-5.59
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"37","KCP",59.9360089557963,3.59402270884391,0.647869957463928,5.54744
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"39","DBNDD2",811.665352795712,-1.74364761952678,0.315931670306185,-5.
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"41","A2M",63.8002530778878,-1.85843018983322,0.346674384614991,-5.360
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"50","CSF1",801.330912069767,0.714842497836395,0.13943512433828,5.1267

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"51","MID1IP1",332.147299219982,-1.39399907213646,0.272385501099571,-5.1177432958404,3.09213058468306e-07,9.34611626723322e-05
"52","KLHL13",83.0941007990936,1.76821088456386,0.346529620854717,5.1026255135205,3.34973439939903e-07,9.93002995514154e-05
"53","F13A1",12.6631557654097,-3.30069241269399,0.64737795058507,-5.09855550333615,3.42255182570571e-07,9.9544596968403e-05
"54","BEND6",80.2747667796532,-1.46449651458504,0.28835495226617,-5.07879786033019,3.79830571948592e-07,0.000108427560492362
"55","ADAMTS16",148.698676194226,2.63245274532519,0.519212076226415,5.07009152109406,3.97624447384777e-07,0.000111443288298842
"56","CRIM1",236.023107275401,1.04565434470299,0.206665740735267,5.05964046572403,4.20047747411529e-07,0.000111682866322473
"57","IL17RD",167.262876105909,1.19332788462678,0.236105246709073,5.05422010421136,4.32153004710742e-07,0.000111682866322473
"58","VEGFC",179.694098475054,1.82518221239556,0.360947563990861,5.05664089325112,4.26705650775022e-07,0.000111682866322473
"59","TBC1D12",265.717237353484,1.17793563898149,0.233111655760085,5.05309627328889,4.3470463699957e-07,0.000111682866322473
"60","SERPINA5",117.423083488884,-1.23343367441688,0.243492013448673,-5.06560218114456,4.07111327145151e-07,0.000111682866322473
"61","LINC00702",41.5366857574679,-2.09915213545243,0.415803125393288,-5.04842798732439,4.45460321290265e-07,0.000112570013978515
"62","ADAMTSL1",242.555085117468,1.38851975994326,0.275560522156413,5.0388921790296,4.68234156209873e-07,0.000116416605128632
"63","WASF1",113.873732292863,0.996042933447534,0.197936487031773,5.03213403644802,4.85049932533628e-07,0.000118683249365173
"64","LINC00968",30.7838332297887,2.44970719669035,0.489669520539947,5.00277655425463,5.65104282678811e-07,0.000136110664335842
"65","CRIP1",7286.074644155,-1.25912805698284,0.25203988390529,-4.99574923410133,5.8607777273221e-07,0.000138990597948723
"66","CRIP2",378.418553436766,-1.76201437259424,0.35298942927423,-4.99169161019089,5.98527657381999e-07,0.000139792482402174
"67","GPX3",4646.26199242989,0.981927631830973,0.197460373303915,4.97278322430633,6.59984472789763e-07,0.000151845681314242
"68","LUZP2",58.7591928748761,2.58360771260415,0.520205322680377,4.96651533531418,6.81666650685812e-07,0.000154527815004732
"69","IL33",411.159839323734,0.775795686334336,0.157081038350437,4.93882453592897,7.85948909881757e-07,0.000175585542693149
"70","CCDC34",126.368863729456,-1.08829012179664,0.220929410335299,-4.92596309447879,8.39458420870245e-07,0.000184860736538783
"71","TUBA1C",218.018989299372,-1.38502791336113,0.282539307705854,-4.9020715899929,9.48312621051472e-07,0.000205890690894485
"72","EMCN",61.8876818752754,-2.25376776309315,0.461050100531532,-4.88833591077162,1.01691907459867e-06,0.000217719549096369
"73","STEAP4",378.171047245277,1.67831788925616,0.343826837425111,4.88128821422126,1.0539507229679e-06,0.000220611150670969
"74","ABCA1",615.158056539877,1.8571157522245,0.380736805309694,4.87768906584671,1.07335947455872e-06,0.000220611150670969
"75","PCSK6",64.2043030394949,1.68092070333356,0.344533718381885,4.878

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"76","PXDNL",75.812602133033,2.17861114884563,0.446920291626253,4.8747
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"77","DTNA",9.67030791843495,-2.93660009266364,0.604675651553946,-4.85
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"78","FOLR2",13.9148452189081,-2.59881574505038,0.540296861103733,-4.8
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"79","S100A3",22.9979168891352,-2.31168746125782,0.482426202351585,-4.
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"80","NTM",587.853768000704,0.952373267825782,0.199118167895255,4.7829
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"81","KCNB2",19.2622715783645,2.7047319458758,0.566873606246107,4.7713
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"82","CCL18",7.46596860467055,-4.04950892254182,0.849561342218969,-4.7
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"83","GPC1",72.3649767948434,-1.37932254088274,0.289677988917111,-4.76
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"84","PLAUR",165.33815977764,-1.1575845765135,0.243338515544117,-4.757
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"85","MAF",968.478143623124,0.891967706226398,0.188987812615041,4.7197
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"86","MGAT4C",16.529263426913,5.03939858188581,1.06834624930941,4.7170
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"87","PTGDR",9.58802018513565,-3.13857994635224,0.665732559989594,-4.7
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"88","TAGLN2",1700.74164793601,-0.965587724280656,0.206213465311326,-4
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"89","HMGA1",61.2744709897679,-1.66629829120597,0.356163893171681,-4.6
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"90","CAV2",227.720454129105,-0.904546789604828,0.19363302001268,-4.67
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"91","HRH2",22.1103363439358,2.41564660791992,0.519390200753785,4.6509
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"92","ACP5",13.5490703249553,-3.02026463695432,0.649369307417546,-4.65
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"93","EYA2",25.9534888294525,2.76971471013713,0.5951196710591218,4.6534
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"94","MT-
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"95","PHACTR2",565.12145270645,1.03050431632642,0.22322964367078,4.616
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"96","PROSER2",35.0710978759136,1.39967866941833,0.303102879377416,4.6
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"97","ID1",303.600542945661,-1.3515213347541,0.292763353875498,-4.6164
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"98","FOXRED2",72.382771024598,1.01830998347345,0.220391132694739,4.62
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"100","PARP16",97.9471350997034,-1.48536369909565,0.322390437461818,-4.60734415942956,4.07844658019857e-06,0.00062869254033761
"101","ADAMTS5",3002.42371077223,1.1730905698345,0.255145849501118,4.59772546615289,4.27128296453127e-06,0.000651899276220293
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"103","CDA",84.351364699804,-2.09826405262104,0.45874910443321,-4.57388152335135,4.78770637595784e-06,0.000716529065877574
"104","STAC",64.5643909348906,1.32212150944006,0.289764143649354,4.56275056254019,5.04877845423899e-06,0.000748335768000904
"105","DLGAP2",16.193366524223,2.58234489049955,0.56658494569913,4.55773650553511,5.17078500840355e-06,0.00075912048480515
"106","NFATC2",56.338767089299,-2.1029961037932,0.461716641213147,-4.55473317632139,5.24521136094223e-06,0.000762782388008722
"107","C11orf96",2990.35610645884,-1.55274608756027,0.341606736432884,-4.54541998724708,5.48258217540902e-06,0.000789850506859159
"108","MAN2B1",197.739878828952,-0.728759291737188,0.160483397916604,-4.5410260575109,5.59811113982074e-06,0.000799026696484599
"109","LAMA4",1589.95109115988,0.926324655470595,0.20417756183187,4.53685824808396,5.70984569776602e-06,0.000807497903037276
"110","RDH10",168.754600382386,1.62627994270576,0.35874931458428,4.5331931702512,5.80986374450628e-06,0.000814173178377857
"111","PLEKHA2",241.269906048961,1.10823384350973,0.244694250543838,4.52905550925963,5.92479335942147e-06,0.000822799005725062
"112","SYNE2",479.46263434085,1.0201228564095,0.225364640463211,4.52654353545772,5.99562521906821e-06,0.00082520145314229
"113","TET1",159.125654000977,0.869998931636503,0.192729213942538,4.51409993243627,6.35862309004665e-06,0.000867417477283797
"114","TRIO",743.766898154242,1.08703563562548,0.240939853457034,4.51164728470016,6.43260925424873e-06,0.000869812909247756
"115","VSIG4",13.465579151281,-2.69860387389366,0.598568504136738,-4.50842945334321,6.53092774801699e-06,0.000875428271614625
"116","SSC5D",498.587796679632,-1.0481958377028,0.232614998360504,-4.50614038256602,6.60174203102017e-06,0.0008772918397725654
"117","MAP4K3-DT",116.96117527313,0.969856087799973,0.21604533966235,4.48913218547426,7.15139125408472e-06,0.000938367006743659
"118","TUSC1",299.219397616594,-0.942109408920146,0.209908544003659,-4.48818990857144,7.18308834224793e-06,0.000938367006743659
"119","VGLL3",638.571664316977,1.6928384956555,0.380423259919685,4.44988168182171,8.59176097150263e-06,0.00110526974400368
"120","NAV2",48.7692453806764,-2.06009377940419,0.462986829356527,-4.44495731817412,8.60411088423238e-06,0.00110526974400368
"121","RAB13",621.588377539364,-1.14933415523537,0.259094821189101,-4.43595958406487,9.16630458476656e-06,0.00116775690226592
"122","LAMC1",2118.33251533844,1.05300210494488,0.237705597826125,4.42985825565253,9.42950450808952e-06,0.00119144108190328
"123","SLCO2B1",9.5902707102528,-2.72837280713458,0.616384562613267,-4.42641326961074,9.58128799750473e-06,0.00120077686570354
"124","VIM",57895.5874248158,-0.99124003285925,0.224227103152655,-4.42

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"126","RGS2",171.862523692025,-1.56019296547322,0.355090809969529,-4.3
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"128","RPL39L",29.6501459199545,-1.44024756160006,0.328499058249168,-4
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"129","MS4A4A",17.1417713972449,-2.18768757008327,0.498641760808729,-4
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"130","TBC1D2B",397.055433615311,0.795678809236307,0.181437402713529,4
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"131","ADD3",2566.40075053702,0.687388280983194,0.156991020465359,4.37
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"133","SLITRK2",34.9730954522981,-2.17913629578685,0.498486699196111,-
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"134","APCDD1",40.1334567848678,2.31186201808827,0.529339629990467,4.3
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"137","TWIST1",743.990429115625,-1.35209910298323,0.31471785461972,-4.
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"138","SYCE1L",47.9742064270049,-1.73424325808852,0.404396780642243,-4
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"142","LYVE1",12.2651494244078,-2.78129898315296,0.649539386716922,-4.
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"146","IGFBP6",13491.9701857389,-0.88529428550138,0.207559845576844,-4
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"147","EVA1C",33.0784112897264,-1.33835158260418,0.314804358923921,-4.
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"148","PPP1R9A",22.6489550193732,2.00157447804667,0.471928531979983,4.
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"149","APBB2",148.259450398294,1.06393463103137,0.251304739791585,4.23

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"151","ADAMTS15",74.86135479393,2.19590310704635,0.523097724038935,4.1
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"152","SH3BGRL3",4316.24412436569,-1.07725303737,0.256970381568556,-4.
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"153","RBMS3",950.992661319101,0.79535602840236,0.189676976146455,4.19
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"154","MAZ",465.585531898126,-0.754732443447332,0.18025270546257,-4.18
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"156","PLP1",175.232756050316,0.906686010212512,0.217928544304748,4.16
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"157","BAALC-
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"158","CDKN2C",255.147339079625,-0.994206139936763,0.241148259803381,-
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"159","KANK4",10.8079066262043,3.43492840888657,0.835261758776203,4.11
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"162","SLC7A4",29.4700750639392,2.21906191132916,0.542022204746852,4.0
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"163","NAV2-
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"164","MS4A6A",31.2843907900949,-2.16110857714664,0.528974232304194,-4
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"165","MYADM",2603.34076831647,-0.899986764056317,0.220899378963741,-4
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"166","ARHGAP20",334.191162646558,1.19684526009262,0.294668006754258,4
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"167","SPHK1",26.0150510107016,-2.4344039695432,0.600655051688853,-4.0
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"171","MEG8",299.55679167622,1.74137766283345,0.431269165433148,4.0377
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"172","CSPG4",7.67464120906791,-3.12653317584331,0.774956178518665,-4.
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"173","IFRD2",92.3452416715141,-1.02467737040027,0.254110461405526,-4.

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"174","MDGA2",7.84964528452806,4.53821468066699,1.12589002255457,4.030
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"175","PRELP",1687.24812487608,0.64876612189268,0.161219660418834,4.02
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"178","KCNIP4",4.71715477603149,-3.98105721333722,0.993705429628546,-4
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"179","SLC7A8",78.5083308222626,1.29908652745908,0.324243776310104,4.0
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"182","MT-
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"183","SMOC2",1730.45614408706,1.17306965268553,0.293700647628566,3.99
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"184","KCNAB1",95.7666983591524,2.9611273638554,0.741801185876634,3.99
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"185","WDR81",81.2316848972317,0.79154890616101,0.198658105429943,3.98
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"186","SPI1",11.1806011329274,-2.29197617923462,0.575812324988708,-3.9
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"187","PODN",1749.48343129128,0.613360316859051,0.154177783584729,3.97
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"188","AL355596.1",4.33604889652049,-5.39418931941958,1.35966925658582
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"189","MS4A7",20.7992062141057,-2.29798260980505,0.579546641018909,-3.
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"190","CYP26B1",261.560091251333,-1.91741479513459,0.485319217461121,-
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"191","CALN1",8.92628026919057,-4.26941457540162,1.08119488613339,-3.9
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"192","MAN1C1",432.158662654897,0.904816197668952,0.229325878828075,3.
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"193","HLA-
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"194","APBB1IP",431.311068870854,1.1173496630533,0.283526601967147,3.9
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"195","SEC14L2",19.3358097439833,-1.67197070034131,0.425448990311378,-
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"196","IGSF10",165.613723877819,1.91680002920882,0.488504800065754,3.9
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"197","AQP7",12.7032913481418,-2.93292653741426,0.748496930250658,-3.9

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"198","ACTN1",127.945563996627,-2.00623431893723,0.512054787508806,-3.918800715055854,8.92840583476148e-05,0.00695107959307314
"199","PRR16",18.8212464760599,-1.73136906305002,0.442450000891147,-3.91314060246996,9.11034524812157e-05,0.00705708402009015
"200","AC025280.2",8.87104209771023,4.12220388747942,1.05537268579955,3.90592246980171,9.38666065513182e-05,0.00723476869994285
"201","KLK1",7.89971575883294,-4.54754596228768,1.16531214855177,-3.9024273178129,9.52328394416882e-05,0.00726739712868131
"202","LILRB5",11.4503303429827,-3.247007275682,0.831912425434852,-3.90306380384299,9.49826508050154e-05,0.00726739712868131
"203","FIGN",50.3729527060034,1.74111524185021,0.446486151088079,3.89959517805231,9.63536552550463e-05,0.00728686745207249
"204","PLAGL1",1128.17333027858,1.03963965896698,0.266615641691672,3.89939484559302,9.64334064367686e-05,0.00728686745207249
"205","CTNNAL1",101.502145459222,-0.941499375740364,0.241759358330067,-3.89436579515968,9.84559824341402e-05,0.0074034096059623
"206","WLS",167.625380153701,0.866302942574268,0.222804450777092,3.88817610937663,0.000101000334465575,0.00750091241244759
"207","KANK1",166.322614202968,0.843532947409821,0.216976658458395,3.88766678131679,0.000101212441244833,0.00750091241244759
"208","ATP11A",187.030877718866,0.8106426222804,0.208436476511899,3.88915911382776,0.000100592153652147,0.00750091241244759
"209","CPB1",933.432444576065,1.27507722616821,0.328297762839701,3.88390470632234,0.000102792208426656,0.0075790337709948
"210","MAN2A1",155.586828455705,1.06686219246911,0.274764430986503,3.88282496623994,0.000103249892436517,0.0075790337709948
"211","SGIP1",7.20409977259691,-3.97293078205732,1.02370606233794,-3.88092923176007,0.000104058119273473,0.00760216070426816
"212","TRIM47",242.526804103313,-1.07263367399084,0.27678661396742,-3.87530906432167,0.000106489452591767,0.00774308920614196
"213","PDCD4",594.676331010228,0.518677413894962,0.133929189880381,3.87277347349162,0.000107603830680388,0.0077873852109774
"214","LINC01615",13.4941740400965,-2.54594642467959,0.657631030043928,-3.87139035168327,0.000108216333947254,0.00779511583082672
"215","LINC00882",136.761720006002,1.16333615952573,0.301091571960725,3.86372873856952,0.00011166922614646,0.00800642381882642
"216","S100A10",25215.253541726,-0.927235740644888,0.240328182454187,-3.85820643744787,0.000114222154011418,0.00813193876568327
"217","EMILIN2",557.325026486144,0.6802567284801,0.176338936549309,3.85766604807602,0.000114474908345979,0.00813193876568327
"218","AC022424.1",15.2007553778023,3.18465903570238,0.826044816265385,3.85531023619333,0.000115582958835665,0.00817298766262281
"219","EPB41L2",1167.14504385575,0.617148257217719,0.160273233062901,3.85060091085522,0.000117828368654725,0.00828239168876242
"220","SCARA5",4120.15228710846,0.685187777896093,0.177979180771426,3.84981982120742,0.000118204746774423,0.00828239168876242
"221","SCRN1",225.80820914472,0.60016592651108,0.156321400937761,3.83930749667497,0.000123381825004187,0.00856725600197992
"222","EBF2",327.720063820624,0.995634025709284,0.259293874784061,3.83

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"225","MRC1",13.7767703298569,−2.20109332557021,0.5776446739606,−3.810
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"226","VEPH1",11.9380498220471,3.05280260252412,0.802125295065093,3.80
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"227","AIF1",48.7669495418486,−1.41063472203561,0.371110771084941,−3.8
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"228","GALNT13",32.5355151496592,−2.23094509644368,0.587191699844236,−
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"229","LRRFIP2",230.388657847166,−0.542457024985636,0.142901783451126,
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"230","MME",313.627721392838,1.03377285591715,0.272439849428116,3.7944
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"231","ABCA9",1008.79925888141,0.95052990273974,0.250546086717395,3.79
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"232","CCDC71L",1003.32428621327,−1.45963640339359,0.385115476304687,−
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"233","LRRTM4",5.23723971197816,5.35329682381696,1.41438055937918,3.78
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"234","NRN1",239.903639297398,−1.02890600253429,0.272100445912018,−3.7
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"235","PDLIM4",304.647594802191,−0.961493849958914,0.254346908460889,−
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"236","YDJC",28.9697966651043,−1.26181277882191,0.334067900645732,−3.7
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"237","S100A4",18918.8655103305,−0.804135591061432,0.213096598698853,−
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"238","IL6ST",1806.87185982806,0.916698155784743,0.242949807172954,3.7
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"239","NEGR1",1410.95077460356,0.80696528357518,0.214613288828483,3.76
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"240","FSTL3",240.301299762784,−0.810990045278144,0.215857713921798,−3
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"242","MAP1LC3C",9.61219563766933,2.27918362036396,0.607148013811138,3
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"243","RIPOR3",117.806688970488,1.0283393020349 2,0.27426222680711,3.74
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"244","DPT",3182.44008060891,−1.09750079709851,0.29288851646426,−3.747
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"245","FRMD6",752.843942558038,1.02455517418602,0.273392850290635,3.74
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"246","AC137936.1",8.73096845335487,−2.44232698456197,0.65208278079887
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"247","APOC1",121.692918618742,−1.65417378474613,0.441785923049655,−3.

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"248","PTPRT",6.62843425808114,−3.00147570897668,0.801943530628229,−3.74275194492232,0.000182015886845501,0.0113136084504976
"249","FZD10−AS1",22.240476094838,−2.44833377363835,0.656344794638942,−3.73025549015772,0.000191285700065718,0.0118420444438275
"250","MMP23B",397.597477285171,1.60955440935159,0.43213001609204,3.72469939465805,0.000195548098790998,0.0120094579396941
"251","ASPH",1109.14073163982,0.725703133021213,0.194824291005612,3.72491094039351,0.000195384188642814,0.0120094579396941
"252","GAB2",68.0274747748764,0.930555402156491,0.250273417652698,3.71815517158844,0.000200682991911463,0.0122759060329968
"253","STAB1",14.8003670955919,−2.36741945586622,0.636977872138507,−3.71664316676834,0.0002018872616072,0.0123007594374506
"254","DYSF",5.14207091617846,−3.23418849950656,0.870900328950001,−3.713361497061995,0.00020431957770715,0.0123999460250225
"255","PTPRD",263.321442969243,0.893519261878431,0.24152253165313,3.69952755862001,0.000216001185500626,0.013057483429381
"256","CYB5R2",24.2286717673353,−1.14805081487914,0.310682494148893,−3.69525427566878,0.000219666837223214,0.0132272042804525
"257","AC009236.1",18.0444948051594,2.1277553577257,0.576481637273556,3.69093344896261,0.000223432595984957,0.0134016088214323
"258","ENO1",1141.73530819725,−0.692937810792866,0.188247155294576,−3.68100017080486,0.00023232084936145,0.0137824221305476
"259","GNAI1",153.572853427497,−0.921434124617645,0.25033234041285,−3.68084332650752,0.000232463817965771,0.0137824221305476
"260","ABCA8",2168.46217245561,0.991951524939616,0.269429298982156,3.68167652399716,0.000231705276346907,0.0137824221305476
"261","TXNIP",9584.43596369648,1.03479259881206,0.281249807146721,3.67926509642809,0.000233907027886832,0.0138148537734694
"262","PLXNA4",59.5162972619541,1.38985749950211,0.378012238999483,3.6767526447841,0.000236221893469588,0.0138454771400521
"263","SREBF1",203.048844268005,0.977259611524513,0.265771357575761,3.67706896799793,0.000235929268459904,0.0138454771400521
"264","IFI30",61.7020050654132,−1.12963378724515,0.307614318932131,−3.67224058739079,0.000240433166880461,0.0140389290434178
"265","IRX1",114.617163737136,−0.782353846120626,0.213765194924418,−3.6598747817541,0.000252338527423003,0.0146784845291532
"266","ASIP",23.9664969528436,−1.68140273400941,0.459539662176831,−3.65888490678832,0.000253315064430663,0.0146798936774386
"267","RHOBTB3",1040.57030936987,0.692950688769067,0.189477352396401,3.65716894396626,0.000255016307646694,0.0147231325182539
"268","SOD3",3125.99419149269,−1.02485433088593,0.280750559701113,−3.65040886107933,0.000261823201642759,0.0150597188556833
"269","SNAI2",496.51390165035,0.911236581377125,0.249937505814313,3.64585770514216,0.000266501421085291,0.0152718193532705
"270","PUS7",24.479585677494,−1.25442235167357,0.344326604943882,−3.64311770761372,0.000269355586470188,0.0153782087608813
"271","SELENOM",2594.19777354981,−0.725973922691222,0.199344532586038,−3.64180503610195,0.000270733081655684,0.0153998171724073

"272","ID4",390.636142549636,−1.09519405103141,0.301063117183881,−3.63775563501689,0.000275024171909084,0.0155863882719799
"273","IQSEC3",8.06240205375756,3.22289197016028,0.887975948926666,3.62948115211446,0.000283991464976252,0.015978512540706
"274","FLRT2",424.704841111208,1.02930450521903,0.283597264653482,3.62945850862386,0.000284016376007359,0.015978512540706
"275","EGFR",1302.13281532535,0.667233349176174,0.183992503079136,3.62641595722621,0.000287382294138893,0.0160823077783828
"276","LHFPL6",2684.67671722802,0.500524845226565,0.13804124376179,3.62590796479849,0.000287947904432933,0.0160823077783828
"277","CCL3",69.4304462159988,−2.0284365780268,0.561064057860541,−3.6153386580521,0.000299955241877603,0.0166924550669431
"278","LDHA",2573.48247197223,−0.633940139704313,0.17542887615434,−3.6136590144178,0.000301906054615559,0.0167405821291325
"279","ESR1",40.8148179115145,1.34955689360421,0.37400036186312,3.60843740065186,0.000308046820861207,0.0169590776556268
"280","VPS51",352.298316958681,−0.681057839027075,0.18872439938215,−3.60874291430645,0.000307684330826209,0.0169590776556268
"281","AL513534.2",30.1235426239589,1.34708799726695,0.373511484759993,3.60655040669645,0.000310294604405719,0.0170220331918653
"282","COL6A6",267.606577254555,1.61986078135806,0.449428900728522,3.60426483195068,0.000313037741004872,0.0171116197786883
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"284","FGFRL1",38.7005402898477,−1.26250841456696,0.350417879030616,−3.60286529345912,0.000314728651024791,0.0171172685756312
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"286","ADM",1872.34660514138,1.37559108450668,0.382118715336519,3.59990502766985,0.000318333427690526,0.0171172685756312
"287","KCNA1",20.4214362539962,−2.26195796401377,0.628141357378572,−3.60103333022621,0.000316954936242707,0.0171172685756312
"288","LASP1",463.28476315113,0.646886079865759,0.179768058998171,3.59844837548332,0.000320121376950756,0.0171172685756312
"289","TYMP",935.312072686625,−0.705310904366637,0.196039225830627,−3.59780498713052,0.000320914084875604,0.0171172685756312
"290","RGL1",209.77338497285,0.687665251517769,0.19145122257325,3.59185615153053,0.000328331076982563,0.017412949269612
"291","MMP9",8.82307797279489,−2.23467879390063,0.622204510568489,−3.59155029567187,0.000328716719912883,0.017412949269612
"292","PTMA",5661.4773932743,−0.908308915719836,0.253145808437461,−3.58808593879693,0.000333114499712254,0.0175854794967959
"293","PTGS1",78.1235539229974,1.20496650992576,0.336053034838702,3.58564388654938,0.000336247545713652,0.0176902932326824
"294","SAA1",6.7729079713768,−2.79686235146651,0.781042762925722,−3.58093370072299,0.000342368530172145,0.0179510574578354
"295","RFX2",106.683622284842,−1.10646826797868,0.309176668616931,−3.57875732644495,0.000345231843969796,0.0180398266942183
"296","STK3",203.742228543566,0.636254979811771,0.178254038284977,3.56937203742101,0.000357837951593147,0.018635378458812

"297","FCER1G",42.9334821347993,−1.46955030175981,0.412035293100208,−3.56656414236441,0.000361692310714501,0.0187096878176646
"298","CAB39L",558.729395751602,−0.94736582388381,0.265562841165704,−3.56738849353053,0.000360556728408285,0.0187096878176646
"299","NMB",122.892326539291,−1.12017731397058,0.31451910372307,−3.56155572335879,0.0003686638416882,0.018979234654991
"300","C20orf194",115.871161269932,0.924044472388994,0.259486046155054,3.5610565041206,0.000369365578754284,0.018979234654991
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"302","GALC",128.162370744342,0.724207725680004,0.204365751247818,3.54368440532785,0.000394577261944528,0.0201404254730957
"303","ZNF185",18.7870046941855,1.38769580891954,0.392293885903554,3.53738831723904,0.000404105050297791,0.0205586777238959
"304","RASA3",170.239452807239,0.709664708363904,0.200753854948093,3.53499915878275,0.000407776456609214,0.0206772173639179
"305","TGFB1",171.854343166162,−0.895926389469101,0.253550297484263,−3.53352529402853,0.000410056850664284,0.0207246765671801
"306","PLXNC1",176.918839352062,1.418646496276,0.401909959843512,3.52976198158504,0.000415933676796029,0.0209529987836954
"307","PPL",808.242134287124,−1.23336429999151,0.349805691758654,−3.52585543645887,0.000422117318957899,0.0211952393216157
"308","SCN2B",17.6946133575978,1.55442076104607,0.441380250167728,3.52172703798002,0.000428745359701277,0.0214581484408935
"309","LGALS2",10.3752273373615,−2.44232923002107,0.695824095947075,−3.50998081878273,0.000448139020216951,0.0223561909276514
"310","GLIS3",65.0693489170801,−1.18840188679421,0.338803654867323,−3.50764187375605,0.000452097214599744,0.0224808985905002
"311","PTGFR",533.837333239241,−1.13848236037958,0.324746679928968,−3.50575519549147,0.000455313786117607,0.0225680450578872
"312","ARHGAP12",375.36004669592,0.512669176251756,0.146280305757821,3.50470402420762,0.000457115164586691,0.0225847123785379
"313","LGI2",6.25783076163339,−2.68123105961276,0.765916628850198,−3.50068265737728,0.000464068093880766,0.0227821963922676
"314","PRXL2C",209.277926388561,−0.608998466409081,0.173952191331875,−3.50095311675149,0.000463597392952405,0.0227821963922676
"315","PLCB1",147.55091498228,0.810471364236774,0.232384618615303,3.48762912565421,0.000487323544431343,0.0238479124997116
"316","STXBP6",242.982933305584,−0.843276173462172,0.242096611539106,−3.48322171095714,0.000495417892568596,0.0241673000441295
"317","SPIN4",16.6258974591433,1.52151849194624,0.437676281989585,3.4763558240573,0.000508277433687276,0.0247163931870327
"318","MT−CO3",43769.9478490436,−0.530293222277869,0.152845792667779,−3.46946561643669,0.000521494813145311,0.0252793790711791
"319","CYP11A1",19.0717625869607,1.94846642348647,0.561911269512835,3.46756957762343,0.000525187762023621,0.0253785873090725
"320","ANTXR2",932.079129817146,0.66565557938974,0.192217676325461,3.46302999867015,0.000534128841547323,0.0257299877889125
"321","SUCNR1",22.3284324394086,−1.92560585420808,0.556293776509573,−3

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"322","HLA-DQB1",53.6180825414841,-1.61775041462402,0.46858498633208,-3.45241623571255,0.000555589948628585,0.0265975747146262
"323","KCNQ1OT1",1616.16717130581,1.27604122105219,0.370043226159524,3.44835719409194,0.000564007627006619,0.0269169584220032
"324","CEBPG",142.340522720337,-0.657526913994097,0.190854279740771,-3.44517772872155,0.000570684024888044,0.0271515254433617
"325","SLC4A4",51.5240404203985,1.70131946958357,0.494065882148899,3.4435072953911,0.000574221101574757,0.0272357485562304
"326","LINC01137",7.02445062575159,-2.20954778323125,0.643178140059684,-3.43535895518187,0.000591769418185844,0.027896408505611
"327","PRTG",20.2723306781224,1.30215314044531,0.379011176935977,3.4356589453964,0.000591114603057502,0.027896408505611
"328","PLGLB1",8.07594986203602,2.44968187033021,0.713434498739738,3.43364650105581,0.000595520289838998,0.0279876380117932
"329","CFH",5023.01516816897,-0.801342511474098,0.233524883907852,-3.4315080177507,0.00060023538690193,0.0280761864814832
"330","RUNX1T1",862.31605284602,0.826899586630974,0.240998397079578,3.43114143766662,0.000601047131942229,0.0280761864814832
"331","ANKRD33B",63.8834419822549,0.862161184253835,0.252049387261614,3.4206041665912,0.000624822021610389,0.0290985844807376
"332","GRK5",232.642686822644,0.728204212651682,0.213135937774095,3.41661861559693,0.000634040358565253,0.0292626710397706
"333","NOVA2",14.597968375138,2.62992697072495,0.769611698968938,3.41721282855797,0.000632658001509053,0.0292626710397706
"334","PNLIPRP3",2.84674977910268,-4.83266095179503,1.41412735305318,-3.41741565309591,0.000632186799500712,0.0292626710397706
"335","CTXN1",40.9598702957073,-1.02148470540767,0.299150843346527,-3.41461415913313,0.000638724211242108,0.0293908469143197
"336","HPSE2",10.1017622797908,-2.22471351310879,0.652701396017591,-3.40847059111979,0.00065328126472201,0.0299712223086005
"337","ROR1",163.640550135705,1.101553149502,0.323867502572244,3.40124631447479,0.000670793565412173,0.0306833317828743
"338","CTSO",417.403028869474,0.586755150238901,0.17281029624567,3.39537147372723,0.000685355434104462,0.0312566686885215
"339","TEAD1",392.993026994155,0.843659250855074,0.248678726164898,3.39256704369495,0.000692409851702044,0.0314852444365398
"340","PCSK5",400.042974330135,1.22435754538689,0.361002370815175,3.39154987437391,0.000694985130188651,0.0314976582454492
"341","SEPTIN1",158.802048340401,-0.854756503596231,0.252077567724479,-3.3908471559456,0.00069676947529667,0.0314976582454492
"342","DIRC3",28.9177762706747,1.85636899362492,0.547980597687683,3.38765460211229,0.00070492975781488,0.0317733690547262
"343","CXCL3",95.065775372592,-2.87036928486986,0.848801155954168,-3.38167457093432,0.000720454392642817,0.0323784386664403
"344","JAM2",88.2727437488381,-1.19648194058231,0.353971924783403,-3.38016056305719,0.000724434956504319,0.0324626885305642
"345","ANXA5",3989.45353088522,-0.667228723027277,0.197603429652507,-3.37660497189054,0.000733863632571772,0.0327898779596924

"346","RASSF4",214.884981939645,0.851954689713895,0.252540904292931,3.37353147641257,0.000742105613867118,0.0330623064675191
"347","PXN",555.125865726178,0.776948212114778,0.23062977409,3.36881139991745,0.000754930661706612,0.0335367612397909
"348","IER3",741.664690923761,-1.39782428540812,0.415059498883749,-3.36776845046889,0.00075779211200213,0.033567141972738
"349","CEP152",82.9586027968501,0.950084626957712,0.282429097846988,3.36397571709286,0.000768283026971438,0.033934334844598
"350","PPP1R3C",8.1508356502584,-1.89739926540655,0.564167549705491,-3.36318398035661,0.000770489958606068,0.0339345791768929
"351","PCDHB2",43.5490355907202,0.984328654590876,0.292958114039158,3.35996378806326,0.000779526892658776,0.0342347779211824
"352","SNX32",2.55970464858463,4.27647995062097,1.27328361214747,3.35862325551212,0.000783317799167669,0.0343035337334364
"353","PRUNE2",20.0963467875675,-1.94656990090254,0.579927692436024,-3.35657345957363,0.00078914754035203,0.034363585690753
"354","PRG2",26.8301584282908,-1.25043870112954,0.372517969521648,-3.35672048984707,0.0007887280405783,0.034363585690753
"355","MPEG1",8.93789918540703,-1.85722607731417,0.555022598764877,-3.34621703953525,0.000819222448662609,0.035572715622913
"356","PLEKHG3",29.2497999844915,1.06743243614616,0.319700026664527,3.33885626248712,0.000841240811151785,0.0364261997300696
"357","GEM",372.533140123014,-1.32569963840059,0.397984368819623,-3.33103443819281,0.00086523897442212,0.0373603887695153
"358","PLD5",6.31175671295297,3.13253671579778,0.940642155193525,3.3302108548955,0.000867802414202042,0.0373635715809727
"359","LRRFIP1",303.838668771177,-1.04727588164726,0.314548715785875,-3.3294552770013,0.000870160376099202,0.0373635715809727
"360","PHLDA3",353.368197183342,-0.663019887995742,0.199194644685178,-3.32850257617933,0.000873141974710115,0.0373874542782123
"361","KCTD11",41.9198834542084,-0.832735003649815,0.250352809503634,-3.32624588995367,0.000880242394342167,0.0375870817417853
"362","IL10",11.5807379424206,-2.21938602183787,0.669697390149495,-3.31401324610574,0.000919671503255474,0.0391622547587932
"363","CKB",694.397039194937,-0.944865455607021,0.28541748063291,-3.3104680677294,0.000931400786304688,0.0395524603881178
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"462","C6orf120",192.517612754546,0.600973073557018,0.195092798335809,3.0804472470715,0.00206689965333368,0.0688099727264562
"463","SEMA3C",2238.49987646123,1.1982919035687,0.388947924130074,3.08085434894354,0.00206407589852899,0.0688099727264562
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"478","TNFSF14",32.0956963213764,1.44093913297595,0.470770135834733,3.06081253523227,0.00220737252171463,0.071185454858224
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"486","IGFBP5",15721.54900366,1.09671557983296,0.360137837623838,3.04526618771581,0.0023247445680886,0.0735850873040776
"487","GAS2L1",127.833453147142,-0.753676445701855,0.247458888587131,-3.04566326150165,0.00232167694467548,0.0735850873040776
"488","DMTF1",116.418392261275,0.851091990981578,0.279593737546293,3.04403095166128,0.00233431122758631,0.0737364909287767
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"748","CARD19",140.988481777857,−0.553605868618804,0.205045747566546,−2.69991392257055,0.00693574182913053,0.142914209158121
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"754","ZNF880",38.3977516685338,0.9933582890057,0.368537405039882,2.69540696662311,0.0070302706973338,0.143732525065379
"755","EPHB3",19.6298052297268,1.27870690251339,0.474523409957807,2.69471827033168,0.00704481686968007,0.143835565623998
"756","KRT222",570.123235916539,0.922574935395655,0.34243883753105,2.69413055495495,0.00705725155856021,0.143898852877256
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"769","ARHGAP29",613.194684814537,0.646417721456579,0.241338453113564,2.67846964757166,0.00739594349928057,0.148255486399753
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"781","LAMB1",380.639209444372,1.23691722964974,0.463350480375357,2.6695067385011,0.00759627488651048,0.149931597151804
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"783","ARFGAP3",263.609637332013,-0.461700429587828,0.173061411221214,-2.6678415848445,0.00763402434565997,0.150291807520241
"784","ART3",5.41807927691338,2.19368051785668,0.823040984211198,2.66533570009165,0.00769115037670733,0.151223320225693
"785","LINC01220",22.6624515060336,-3.04705315394654,1.14366134391397,-2.66429670825331,0.00771494815807632,0.15149799472197
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"791","A4GALT",364.581605836441,-0.681797135131973,0.257295990210712,-2.64985526814319,0.00805262590911439,0.156929492274334
"792","NRK",16.973872082622,2.1988178859715,0.829986931945809,2.64921988689222,0.00806778210284081,0.157026339792034
"793","FHAD1",4.99234459171204,-2.15952633182665,0.815461840476318,-2.64822487655002,0.00809156809634188,0.157190216034899
"794","SUCLG2-AS1",56.0381575464772,0.790568424233837,0.298551353276228,2.64801487435356,0.00809659627192407,0.157190216034899
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"796","SYNPO",8.47655076254635,-1.42914008455124,0.540073193550545,-2.64619703702715,0.0081402385907751,0.157640424468339
"797","SLC39A8",69.5562216861725,1.04053855917591,0.393508039526007,2.64426251730276,0.00818691335629437,0.158345381916283
"798","FKBP1B",33.6907685600728,-1.05611658268121,0.399495487293325,-2.64362581373983,0.00820232760860702,0.158444711888067
"799","RINL",41.6813806338768,-0.733031789624919,0.277496686964293,-2.64158753621171,0.0082518480254009,0.159201798888054
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"803","AC025171.2",44.1718770986732,0.762709194397311,0.289306927730471,2.63633228689179,0.00838076176940286,0.16079887140986
"804","PDE1C",27.7038248607254,1.51211054878089,0.573710833964802,2.63566671441603,0.00839721644404392,0.16079887140986
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"806","DNASE1L3",162.768781782382,2.08701519155872,0.792630508598924,2.63302404956351,0.00846283546980884,0.161293140703632
"807","SYNJ2",80.0803070888938,-1.38315982906681,0.525138717715337,-2.63389421196055,0.00844117832974007,0.161293140703632
"808","WDR86-AS1",105.465342103896,1.21326773762682,0.46071614199319,2.63343874251481,0.0084525081450954,0.161293140703632
"809","FOLH1",21.6624632650989,1.43163670194569,0.543740323695113,2.63294193856485,0.00846488166261681,0.161293140703632
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"812","ZNF561",58.5665342920323,0.625637611213358,0.238253817717053,2.62592900801429,0.00864128379955316,0.163866057467987

"813","NCF4",8.72544505582426,-1.46924904408957,0.559525549612382,-2.6258837422302,0.00864243300171737,0.163866057467987
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"818","CNTNAP4",5.74271708544531,-1.80480188793614,0.688376917184839,-2.62182220652748,0.00874610446680435,0.164818093344485
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"821","TUBB3",93.115507072679,-1.41211547231342,0.539294929106193,-2.61844752490776,0.0088330876094463,0.165849020096973
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"825","DANCR",156.713872179247,-0.766938253459994,0.293115775064166,-2.61650282483808,0.00888356292733747,0.166059954952552
"826","CLIP4",123.863305740643,0.610871432029221,0.233522920132266,2.61589496946693,0.0088993927704797,0.166082493532923
"827","CCDC47",336.225979132274,-0.34923678569131,0.133527267331474,-2.61547167609106,0.00891043111594234,0.166087419168381
"828","CHSY3",14.9913134392721,1.22169829428615,0.467257427117738,2.61461503527543,0.00893280740026194,0.166102805880625
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"831","NDFIP1",1420.55336219335,-0.517874793233695,0.198201285758028,-2.61287302578823,0.00897846522774704,0.166549989754176
"832","LRBA",60.4497538801829,0.808097629859277,0.309392240191325,2.61188719329081,0.0090043960011094,0.166629969216208
"833","ITPR3",102.138985983944,0.691473645288565,0.264730251772175,2.61199330510833,0.00900160168850773,0.166629969216208
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"835","LINC00294",48.101381142329,0.862363962090775,0.330449946030136,2.60966591900163,0.00906306837854792,0.167439784110141
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"841","ZNF790-AS1",18.410199714705,0.996247094152017,0.383341909672301,2.59884731884301,0.00935373667585545,0.171448098523557
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"844","VIT",994.246425995854,0.492114522194613,0.18965317763753,2.59481295449294,0.00946424083917201,0.172856957980849
"845","GLI1",25.7567348312954,-0.911630452436827,0.351529654559735,-2.59332446242289,0.00950530483801673,0.173401507784648
"846","LINC00963",217.267245462097,-0.560048522932783,0.215996087858143,-2.59286419715434,0.0095180345984116,0.173428490939143
"847","PILRA",12.971250559986,1.49872472831864,0.578324810320443,2.5914930529925,0.00955604709290501,0.173505849160342
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"853","SLC38A5",6.32354507498291,-1.53699432200429,0.594471021111862,-2.58548233205647,0.00972428564708254,0.175732547772306
"854","AC097534.2",32.8984408225684,-0.932221549374191,0.360858761512244,-2.58334187444292,0.00978483093799273,0.176013480894771
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"857","AKT1",234.231598738935,-0.4273772396934,0.165415557796235,-2.58365806328724,0.00977586607996964,0.176013480894771
"858","KIRREL1",244.218851586224,0.63961013967344,0.247773377973644,2.58143205256489,0.00983913578863289,0.176771885992746
"859","NIPAL2",156.668705987208,0.69412949749517,0.268940888776745,2.580974208319,0.00985219420617624,0.176800435027016
"860","NMNAT3",48.5576195059705,0.684112238144231,0.265312241146836,2.57851742982945,0.00992252938176382,0.176850160886058
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"1365","MBNL2",513.11923710281,0.450457030812313,0.201806765592441,2.23212056092329,0.0256069958588309,0.289602496736258
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,−2.20937112817133,0.0271488375188668,0.298328786009644
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"1404","ZNF727",54.4253142229987,0.695293759680053,0.314823042154587,2.2085224604959,0.0272078738757673,0.298328786009644
"1405","SPATA20",120.33304166238,−0.420340518968349,0.19032625509734,−2.20852618969133,0.0272076142174537,0.298328786009644
"1406","ZNF358",369.473137513296,−0.38430498656957,0.173956375274905,−2.20920323249004,0.0271605081621921,0.298328786009644
"1407","DDX39A",88.815140139178,−0.577123783884335,0.261390686357452,−2.20789727410225,0.0272514349141855,0.298564939020732
"1408","MTUS1",364.3816409132,0.659193311229045,0.29860826914107,2.20755209869163,0.0272755114378883,0.298616483533414
"1409","HSPD1",562.258549482453,−0.364799062375264,0.165312467967629,−2.20672443440078,0.0273333170993683,0.298824881621818
"1410","WDFY1",166.156968123133,0.397596237464351,0.180173339432803,2.20674289945454,0.0273320263126796,0.298824881621818
"1411","C9orf72",30.9067196175912,−0.726107097998371,0.329121855904765,−2.20619531936669,0.0273703268704958,0.299017426441313
"1412","RCC1",29.5469117753671,−0.675401768769267,0.306532320945433,−2.20336232957796,0.0275692210658172,0.300744737793846
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"1414","GAREM1",69.3615297940744,0.712597344347392,0.323373931397292,2.20363262204926,0.0275501911416589,0.300744737793846
"1415","TNKS2",186.197749236142,0.413626826576558,0.187770708855779,2.20282933955504,0.0276067794175605,0.30074805987399
"1416","POPDC2",8.03710205064935,−1.24146318719244,0.56403818156569,−2.20102685911496,0.027734122452615,0.300859604227347
"1417","BTN3A3",95.4891408533536,0.572791757845382,0.260237229104515,2.20103695315378,0.0277334079131477,0.300859604227347
"1418","AC091182.1",4.29964854510436,2.09357809294624,0.950922700834183,2.20162805148061,0.0276915927642502,0.300859604227347
"1419","C8orf31",18.8403441742216,0.860256349649626,0.390720827201392,2.20171613530655,0.0276853662443466,0.300859604227347
"1420","ZNF512B",47.6143963191396,0.673803371599992,0.305954905887825,2.20229634705395,0.0276443820668751,0.300859604227347
"1421","LINC01278",79.1731682747373,0.5395972282161,0.245097395658777,2.20156247179111,0.0276962292830995,0.300859604227347
"1422","DNAJC2",166.473615267235,−0.40684424686638,0.18487576203956,−2.20063594263549,0.0277618069660195,0.300948139508573
"1423","SUSD5",4.87688106830916,2.37745511704472,1.08063576463191,2.20005222375231,0.027803190007142,0.301184943049961
"1424","ATP1A1−AS1",46.7583306413697,1.15652640006721,0.525978543861866,2.19880908368564,0.0278915003349713,0.301351746161826
"1425","THNSL1",17.1296518798561,0.906497896687708,0.412436083107213,2.19791122507597,0.0279554328259105,0.301351746161826
"1426","LUM",13068.0506249294,−0.596093857294782,0.271058267301201,−2.19913549669526,0.0278682891893489,0.301351746161826

"1427","ZFYVE26",33.6071905910174,0.673942380220919,0.306533212962998,2.198594970204,0.0279067349404367,0.301351746161826
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"1429","HOXB7",30.0769202101403,−1.09967970905516,0.500012882825951,−2.19930275164119,0.027856402187228,0.301351746161826
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"1431","NLRP3",24.1661919204179,−1.20716190610093,0.549531393047797,−2.1967114552015,0.0280410602289016,0.302063552360949
"1432","GALNT11",364.928965621602,0.328442629444897,0.149636549179604,2.19493587125348,0.0281681982150807,0.303221211931193
"1433","CYP7B1",240.725719156747,0.524971505687864,0.239238015543712,2.19434818707542,0.0282103877235495,0.303463452029669
"1434","GHR",174.47250524493,0.61458623343656,0.280179651866318,2.19354342595085,0.0282682493924566,0.303662065773323
"1435","ZFP36",16856.8464241933,−0.46675477807412,0.212761583665414,−2.19379255424293,0.028250326352657,0.303662065773323
"1436","AASS",203.971573675722,0.684603292294337,0.312297366928925,2.19215198330552,0.0283685342577293,0.304527127843243
"1437","SH2D3C",7.66718275094375,−1.37258955049052,0.626335772951463,−2.19145961282478,0.0284185492889302,0.304851730889951
"1438","CXCL14",8342.58434038536,−0.965192942573515,0.440493018122352,−2.1911651328499,0.0284398447660252,0.304868016041918
"1439","LPP-AS2",25.6165193498674,0.842668470102574,0.384799660349479,2.18988880951,0.0285323017531592,0.305052850516102
"1440","ADD1",647.057669858059,0.337269908144904,0.15396234772537,2.190599929968,0.0284807562299123,0.305052850516102
"1441","EPB41L4A",61.40212113368,0.537714496115054,0.245495921472224,2.19031946799936,0.0285010759113433,0.305052850516102
"1442","ADAL",48.5219156568975,0.620689173271209,0.283441138899347,2.18983445974517,0.0285362445957975,0.305052850516102
"1443","DISP1",40.9990406264994,0.832726938280142,0.380427704459995,2.18892296359481,0.0286024397047831,0.305222642664325
"1444","GUCY1A2",66.9325770869138,0.931064557833523,0.425511421442563,2.18810708929278,0.0286618026398859,0.305222642664325
"1445","FAM20A",133.846647751792,0.57228922665823,0.261526909643802,2.18826134349878,0.0286505709919905,0.305222642664325
"1446","GNA15",2.66940425402317,−2.49826084157734,1.14151633804338,−2.18854584758681,0.0286298654553662,0.305222642664325
"1447","MAVS",203.305356842299,0.625071773445594,0.285719662366922,2.18771003811027,0.0286907304067861,0.305222642664325
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"1449","RENBP",41.3461257944669,0.935542784961999,0.427436839787863,2.1887275449311,0.0286166486954097,0.305222642664325
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"1455","GALNT8",32.3743472843316,0.900771374839723,0.412690892732494,2.18267810291516,0.0290595235823034,0.307718246869412
"1456","WASHC4",245.110331198308,0.337792557087712,0.154746172976048,2.18288149290772,0.0290445382764324,0.307718246869412
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"1464","LINC02550",10.8821714180008,1.47663491446804,0.677902838873029,2.1782397561911,0.0293881916681187,0.309338198272495
"1465","APOL1",261.044018876941,0.59898316822197,0.275002729513288,2.17809899298846,0.0293986675620632,0.309338198272495
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"1468","RILPL2",143.436695344265,-0.49077070796505,0.225418220283669,-2.17715634231988,0.0294689044346416,0.309443570749319
"1469","ZNF317",36.1845585218135,0.610981151358806,0.280697189248807,2.17665575132367,0.0295062620996222,0.309624935511012
"1470","ZMYM2",184.738123099755,0.453466091019071,0.208406330057436,2.17587484456013,0.0295646202587997,0.310026272985984
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"1472","PNISR",1492.78724874459,0.363701380711023,0.167299591289639,2.17395259550491,0.0297086954809581,0.310902607494209
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"1475","PHC3",180.322658896222,0.453322610119792,0.208702474949855,2.17209982885307,0.0298481338924013,0.311938294204316
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"1478","PLPPR4",3.10057268369902,2.43488327110948,1.121939732246,2.17024426636101,0.0299883462774754,0.312767495174075
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"1480","MERTK",5.4718149319369,−1.90204198305391,0.877055639222032,−2.16866741172894,0.0301079432006537,0.313590502998701
"1481","IDH3A",77.7841852249064,−0.461084340681487,0.21269664553559,−2.16780259754654,0.0301737091298493,0.313972685620916
"1482","KCTD2",60.2028503282659,0.550146685989028,0.253816351757265,2.16749898964412,0.0301968266494494,0.313972685620916
"1483","NAPA−AS1",23.3119445857517,0.834947849370967,0.385233364432942,2.16738197274267,0.0302057406925604,0.313972685620916
"1484","DDIT4",947.423640503744,1.48793474223182,0.686639055354069,2.16698239144663,0.0302361968017957,0.314077475538868
"1485","WDFY3−AS2",180.544804626548,0.546684273588392,0.252356581459776,2.16631668738756,0.0302869954029707,0.314181718799996
"1486","MARCH8",70.1530147030452,0.46159668181685,0.213078582856494,2.16632134318131,0.0302866398738006,0.314181718799996
"1487","EIF4G2",1095.62407887115,0.347654866509228,0.160505312449406,2.16600224132029,0.0303110156673752,0.31421943948392
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"1490","CALCOCO1",337.19153934225,0.497601364192039,0.229948580853468,2.1639679720795,0.0304668075397383,0.31519854914434
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"1506","CMPK1",620.040541790537,−0.468230128240769,0.217269591096532,−2.15506516985497,0.0311567348183445,0.31868809174738
"1507","RBSN",117.07808141662,0.417781643910461,0.193906187559875,2.15455550525667,0.031196634077267,0.31868809174738
"1508","ANKRA2",69.6156422236344,0.51671874493808,0.239899659765201,2.15389528040104,0.0312483851757827,0.31868809174738
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"1513","HSDL1",69.0373771778067,0.561653271093972,0.260791989925539,2.15364463937077,0.0312680507163444,0.31868809174738
"1514","SNTA1",142.411262200871,−0.542361990078889,0.251976389961067,−2.15243178205185,0.0313633627789001,0.319330407686093
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"1516","HEXD−IT1",4.30696263717893,2.06144803753746,0.958098247202832,2.15160401718285,0.0314285554704789,0.31957202016981
"1517","SNHG15",100.850580419626,−0.612593567690819,0.285131728476947,−2.14845808624328,0.0316773826285424,0.32167776891896
"1518","IL16",74.2652769732684,−0.808347782926555,0.376227837704423,−2.14855920247353,0.0316693586481966,0.32167776891896
"1519","CSF1R",7.12665513133518,−1.61319490876932,0.751089762250201,−2.14780574819224,0.0317291901973882,0.321927100359354
"1520","SURF1",272.769716265152,−0.425642455327064,0.198192337647564,−2.14762316434233,0.0317437037006953,0.321927100359354
"1521","NECTIN3",215.727622348445,−0.345297251224298,0.160889499356443,−2.14617642919821,0.031858905373079,0.322008819401973
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"1523","RANBP17",7.06207229031561,−1.39260745401743,0.64874162685372,−2.14662879083515,0.0318228459385,0.322008819401973
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"1536","CST2",3.08788087655359,2.8895991432025,1.3485907950844,2.14268
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"1537","EYA4",5.33918710796237,1.72853442613979,0.80695269387015,2.142
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"1539","KCNA2",6.90355581314687,1.44282782365846,0.673998669169635,2.1
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"1541","GOLGA8N",19.2374483932006,1.00268788497364,0.468562690352724,2
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"1542","OLFML2A",290.904962681724,0.539990022408175,0.252373815759486,
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"1544","FAM89B",453.477245769145,-0.534191366882476,0.249877080743665,
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"1545","FPR1",5.36382949266542,1.64401286221409,0.770061826769577,2.13
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"1546","BBS2",113.194821368341,0.541315368841326,0.253639969308538,2.1
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"1547","SNTB1",24.5857233400203,0.906397764812982,0.424866068052805,2.
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"1548","YARS",92.0707920510074,-0.480766976092672,0.225570730136803,-2
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"1551","CEP170",281.886822812931,0.35305324323198,0.165652699327276,2.13128578444992,0.0330656054690772,0.327785407270627
"1552","PLEC",404.775426661831,−0.589975661012856,0.276761717436135,−2.13170978442493,0.0330307119655108,0.327785407270627
"1553","AL158071.1",33.9934463084358,1.04341565549163,0.489341686240086,2.132284423812,0.0329834717496257,0.327785407270627
"1554","VWF",2.90214004316836,−2.20252725100128,1.03302156527586,−2.13212126933006,0.032996878544462,0.327785407270627
"1555","SLC23A2",68.523158478716,0.51010936460698,0.23931769228713,2.13151547523264,0.0330466989211337,0.327785407270627
"1556","RRAS2",212.394715237945,0.623825991034574,0.292781026227353,2.13069131928705,0.0331145807015596,0.328059936706003
"1557","CNIH3",35.2684217157518,−0.649524910439443,0.304980895012145,−2.12972327467783,0.0331944662840084,0.328429202675218
"1558","HNRNPAB",444.711671942042,−0.376180442310277,0.176619221842699,−2.12989525367353,0.0331802620903064,0.328429202675218
"1559","AC079848.1",5.87114480522746,−1.2878527127448,0.604985420712855,−2.12873346803518,0.0332763181970855,0.328841038681818
"1560","HMGA2",3.25562745888331,−1.93776893554729,0.91030453950639,−2.12870402315915,0.0332787557796715,0.328841038681818
"1561","ARNTL2",10.5938262735189,−1.17029344684771,0.550370847007116,−2.12637252356606,0.0334722537136857,0.330541185776083
"1562","TRIM69",144.453893978288,0.581908611999241,0.273876768753106,2.12470964459136,0.033610848199889,0.331519742181875
"1563","TPGS1",371.586971190263,−0.66516689325083,0.313068687616538,−2.12466758753453,0.0336143598462712,0.331519742181875
"1564","CYB5R3",1280.90789140626,−0.410602289299635,0.193293506678586,−2.12424253848525,0.0336498678663533,0.331657744987108
"1565","PPP1CC",711.956749519199,−0.328997384806628,0.154930797677826,−2.12351185005042,0.0337109835614305,0.332047802938946
"1566","CNST",110.350645342553,−0.530488993561775,0.250042883364902,−2.12159205022285,0.0338720105526476,0.33342084461626
"1567","CCND3",73.3493704690658,−0.58141181619632,0.274152795900359,−2.12075829570468,0.0339421479198597,0.333755724146522
"1568","AC027031.2",13.0378143433987,−1.03689078564368,0.488985047541625,−2.12049589421322,0.0339642474149223,0.333755724146522
"1569","SPG11",143.449480290474,0.4193286269745,0.197757723811714,2.12041592556833,0.0339709848320397,0.333755724146522
"1570","HLA-DOA",3.89056759995931,−1.71185354775574,0.807585649630215,−2.11971764052466,0.0340298644230051,0.334121248458996
"1571","CNBD2",24.4756236801943,−0.802154084300279,0.378675787432316,−2.11831363642085,0.0341485145203717,0.335072788880668
"1572","EDEM3",178.262933267665,0.509688711325385,0.240832098188532,2.11636536474628,0.0343137454147669,0.33647988903857
"1573","SPTSSA",182.64084265093,−0.424240162324829,0.200502285767849,−2.11588691221223,0.0343544268060856,0.336664646672479

"1574","SET",902.13614253852,−0.405522544985236,0.191696615133787,−2.11543925646375,0.0343925269497034,0.336823890044268
"1575","RNF126",106.584110843906,−0.457134882843009,0.21617998557122,−2.11460317029398,0.0344637832374022,0.337307440383845
"1576","IMP4",184.495613292753,−0.436938891338639,0.206698023636164,−2.11389970572603,0.034523834384892,0.337466649995631
"1577","SRGAP1",447.67391522949,0.514738922212207,0.243493894886972,2.11397054719234,0.0345177829688554,0.337466649995631
"1578","TBCEL",43.2883389571284,0.613097075715505,0.290229080159992,2.11245914908847,0.0346470862779789,0.338028376566484
"1579","ZNF676",21.6567723321122,1.01597850168778,0.480877427695006,2.11275980774909,0.0346213313790252,0.338028376566484
"1580","SPECC1L",197.135649251629,0.441336638762523,0.208898089832459,2.11268872356126,0.0346274190870206,0.338028376566484
"1581","PLXDC1",295.024561162615,0.56843223806878,0.269118513443796,2.1122004235041,0.0346692622214557,0.33803078883222
"1582","AL162595.1",6.00411597300049,1.44578640856748,0.684776423273035,2.11132620725613,0.034744282943987,0.338139907410111
"1583","ITSN2",153.871809675561,0.517511082374456,0.245114528114962,2.11130317878072,0.0347462610014671,0.338139907410111
"1584","MTX3",78.5459494232948,0.585262832878356,0.277193844545224,2.11138466598551,0.0347392619958765,0.338139907410111
"1585","NINJ1",72.7008191635632,−0.58191672779388,0.275699415299033,−2.1106926438807,0.0347987386883979,0.338229125136803
"1586","EMP2",732.843463090254,−0.575439993271415,0.272631740958777,−2.11068597973126,0.034799311869411,0.338229125136803
"1587","AC022034.1",26.0067140215571,0.771610135811347,0.365708736906843,2.1099034776626,0.0348666706576562,0.338670276110757
"1588","USP20",30.794076040825,0.674349224030021,0.319708068488836,2.10926557849311,0.0349216641850526,0.338990839680469
"1589","ODF3B",126.251746835643,−0.838823170558603,0.397747430918776,−2.10893422647876,0.0349502593819064,0.339054907723151
"1590","LPL",12.4714876364037,−1.00263474534188,0.475504162825706,−2.10857196156533,0.0349815451909543,0.339144980577711
"1591","USP33",387.285491998181,0.426074399234194,0.202326293446438,2.10587755044793,0.0352149902023264,0.339408599325102
"1592","NPR1",310.243086997067,−0.467714035272636,0.222080568934393,−2.1060556424043,0.0351995192994651,0.339408599325102
"1593","KCNE4",107.14938596141,−1.05851018269453,0.502425273313994,−2.10680122779773,0.0351348130347668,0.339408599325102
"1594","RASSF1",170.733856237152,−0.521640492201185,0.247619596107857,−2.10662039838709,0.0351504971358787,0.339408599325102
"1595","GIMAP6",2.72426343110865,−1.99488123782065,0.94695027732517,−2.1066377882644,0.0351489885784455,0.339408599325102
"1596","PHF19",107.821775990993,−0.421022155789413,0.199942394074052,−2.10571728791784,0.0352289172183045,0.339408599325102
"1597","CREB3L1",220.544348686135,0.936114320026115,0.444082768219741,2.10797262811807,0.0350333571390434,0.339408599325102
"1598","PCOTH",4.86427438912002,−1.38095561552199,0.65565383411036,−2.10622670634691,0.0351846643850383,0.339408599325102

"1599","RBM26",248.186058537944,0.444104632774363,0.210842591458205,2.10633264229442,0.0351754677628941,0.339408599325102
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"1601","SENP3",26.8612917265007,−0.79234019427453,0.376447504903232,−2.10478269600487,0.0353102281106883,0.339979491771556
"1602","TRIM7",24.4451998957565,−0.89782488837965,0.426671302426195,−2.10425421928852,0.0353562772220933,0.340049168934123
"1603","TPST2",37.9035488038851,0.651286396726531,0.309518322277832,2.104193354156,0.0353615840286344,0.340049168934123
"1604","FAM184B",4.5018869841868,2.61040998556421,1.24116193520472,2.10319855251897,0.0354484167751115,0.340671661214678
"1605","BASP1",2404.11588923246,−0.502744531989928,0.239123112784123,−2.10245060018016,0.0355138226696813,0.341087586575163
"1606","ZNF697",17.5295697066475,0.929814614865195,0.442630065204162,2.10065851364236,0.0356709535687905,0.341585600884115
"1607","TMEM173",325.370664837684,−0.478458810001777,0.227785828798015,−2.10047662985234,0.0356869343137428,0.341585600884115
"1608","MYLIP",331.001792812102,0.677573592929595,0.322622444522182,2.10020599754959,0.0357107240187394,0.341585600884115
"1609","VEGFB",1259.55017267425,−0.486454009150218,0.23154834178237,−2.10087451028879,0.0356519835159984,0.341585600884115
"1610","MRPL49",75.5870103782816,−0.461813966892249,0.21990182874747,−2.10009152503495,0.035720790699007,0.341585600884115
"1611","ZNF546",32.4136892001082,0.645638296124066,0.307247355888419,2.10136322982235,0.0356090931512735,0.341585600884115
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"1613","POLR2J",471.933922886257,−0.477714133367703,0.227589752317286,−2.09901425043828,0.0358156445462613,0.342280322802615
"1614","IQSEC1",208.546106491144,0.677934799977153,0.323127469629529,2.09804137281927,0.0359014907692426,0.342888153784309
"1615","PTP4A2",987.851849844729,−0.298779931250289,0.142438142648095,−2.09761181728162,0.0359394503338081,0.343038159068515
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"1617","BCL9",42.2486216100957,0.640938704941831,0.305752582355148,2.09626587616959,0.0360586120343969,0.343298734089878
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"1625","EFEMP1",6112.96733136435,0.607675723234432,0.290242544193524,2.093682457625,0.0362882766445394,0.344236175061892
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"1627","ZNF562",45.5844352448079,0.702728925367119,0.335932618958545,2.09187463707964,0.036449731466542,0.345342723144895
"1628","FAM131C",3.7088865230727,−2.40188662889282,1.14864999443243,−2.09105179169886,0.0365234215225119,0.345828343224521
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"1633","ACIN1",249.819683003165,0.413154334571137,0.197867696960088,2.088033271315,0.0367948335277797,0.347331511837553
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"1635","ZNF135",21.7615241224118,0.89872851247862,0.430647566548582,2.08692346663297,0.0368950532668421,0.347851526671787
"1636","TRIB2",10.6603152381428,−1.0778185455512,0.516527198106748,−2.08666368296147,0.0369185463066023,0.347860263640754
"1637","GPRC5B",290.490083085636,0.539671825088117,0.258675077070747,2.08629231389199,0.0369521524810111,0.347964221438477
"1638","EIF3G",1277.7836292564,−0.490514579394489,0.235168616373266,−2.08579948701969,0.0369967899167105,0.348171866035466
"1639","USP46",101.189296021315,0.419132873756692,0.200998807041315,2.08525055410175,0.0370465631635803,0.348215104369872
"1640","PCDHGA6",21.5978906988875,0.888961467580118,0.426286207896645,2.08536295829597,0.0370363665285455,0.348215104369872
"1641","CD8B",5.36224212339518,−1.44382321309155,0.692543431972623,−2.08481251346071,0.0370863223977192,0.348376392297892
"1642","MBTPS1",381.36799186639,0.31375637673346,0.15056207711035,2.08390042668913,0.0371692255383456,0.348942516244578
"1643","IRF4",113.890378759749,0.9766109642864,0.46879047746227,2.08325683058483,0.0372278194102603,0.349279875964189
"1644","EPB41L4A−AS1",585.291641782332,−0.528847449893448,0.253910386942922,−2.08281140547563,0.0372684175495095,0.349448087911003
"1645","PHF21A",141.353883325993,0.480227806487909,0.230730941626538,2.08133249534086,0.037403482779655,0.349879812037772
"1646","STRAP",394.243204397386,−0.473184998272653,0.227279593524375,−2.08195109351911,0.0373469371263126,0.349879812037772
"1647","TM6SF1",4.27742850260471,−1.7206018860901,0.826690527653562,−2.08131317407709,0.0374052500965455,0.349879812037772

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"1649","PARVA",577.891183476419,0.351215814760885,0.168813328950049,2.
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"1650","FXYD7",6.04035876977208,-1.33889078223537,0.64347009390506,-2.
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"1651","GFRA1",352.185304802318,0.645998763725417,0.310543242204435,2.
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"1652","DBT",108.115261017481,0.54609126724622,0.262644889130496,2.079
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"1653","TLR3",116.471256327417,0.407920083028163,0.196190728568951,2.0
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"1654","USP10",105.952570540068,0.437912543789797,0.21067728899355,2.0
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"1657","CCDC36",32.803705053196,-0.73970299293136,0.356079106113387,-2
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"1658","CDKL5",70.4202617240673,0.5372606222614,0.258614665915572,2.07
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"1661","RMRP",7.92019772798005,1.33582406332224,0.643413232080286,2.07
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"1662","DDX21",550.718171718474,-0.392428038195562,0.189006283306917,-
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"1664","GZMH",13.7224210639829,1.03911121339252,0.500724482806824,2.07
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"1665","HCST",31.1779004096032,-0.945886822765303,0.456029574085611,-2
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"1666","AC087071.1",4.72143443643784,1.68535932335932,0.81264885821579
,2.07390843698421,0.0380878153394741,0.352415170142853
"1667","LINC01985",18.9248606956573,-0.821165542706931,0.3961161416872
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"1668","TFEB",56.4925309034388,-0.56319920841983,0.27166196218858,-2.0
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"1670","MFSD13A",4.52208249720904,-1.54559661740293,0.745887659175216,
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"1672","ZSWIM8",119.88386428133,0.468946592741486,0.226396891966829,2.
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"1673","STK38",236.082021467737,0.420283161281531,0.202970692601717,2.07065934443175,0.038390642088405,0.353730871364473
"1674","SGCD",231.956145236042,0.595344310178442,0.287560529832575,2.07032693438514,0.0384217389539979,0.353805917548314
"1675","MAN2B2",219.386444577648,0.408175431593508,0.197217660439482,2.06966977847686,0.0384832787098327,0.354161039589296
"1676","GREM2",7.74853483650988,1.47700140330847,0.713818168870545,2.06915635902836,0.0385314164557775,0.354392472950961
"1677","NAP1L5",46.6041532594249,0.549220788428675,0.265506120384193,2.06858051947707,0.0385854675316118,0.354677985688608
"1678","DNAJC13",157.829827870532,0.357202936831658,0.172758762783759,2.06764004948778,0.038673883132318,0.355043969681313
"1679","DYNLT1",620.752115300771,−0.515442860329949,0.249270777441773,−2.06780299568147,0.0386585518927316,0.355043969681313
"1680","NUDT2",175.478432274918,−0.535882869051603,0.259203391935427,−2.06742228583607,0.0386943800885245,0.355043969681313
"1681","TKT",391.674455856655,−0.390868566951374,0.18924225108716,−2.06544027407151,0.03888136122098,0.356396693915375
"1682","PARD6A",22.7062786716271,−0.960900833221734,0.465244018649736,−2.06536955813108,0.038888046653627,0.356396693915375
"1683","GJA1",643.638297371755,0.568197362156189,0.275175051622532,2.06485783796856,0.0389364534056253,0.35641652568154
"1684","LAMA2",1033.3338760006,0.569601409866334,0.275828376802175,2.06505732466698,0.0389175766499645,0.35641652568154
"1685","LNP1",9.25550985769551,1.03335476779529,0.500877726423621,2.06308788209384,0.0391042792808866,0.357607970254918
"1686","SMAD5",397.287377265996,0.329099668203842,0.159525112972791,2.06299598897619,0.0391130092669343,0.357607970254918
"1687","LIMD1",44.3865194591929,0.629503750296259,0.305239914266197,2.06232448927788,0.0391768530138778,0.357641768397511
"1688","FAM184A",61.251106094694,−0.809502425686257,0.392538340958336,−2.06222511592104,0.0391863085840673,0.357641768397511
"1689","SMIM25",4.01220633189933,−1.70027109882655,0.824464054688299,−2.06227438195515,0.0391816205819006,0.357641768397511
"1690","ADAMTS3",20.6278777575587,−1.10730575937655,0.537037071669095,−2.06187955690857,0.0392192042915034,0.357730197723979
"1691","ZNF593",163.484735690477,−0.500222707884123,0.242885046078736,−2.05950393389787,0.0394459885535986,0.357863350298482
"1692","AL359541.1",13.9524229781541,0.879966457589974,0.427288073200539,2.05942199836919,0.0394538301896789,0.357863350298482
"1693","SLC30A6",65.2728904013075,0.462835531717445,0.224777975364916,2.05907865735535,0.0394867040186619,0.357863350298482
"1694","PCBP1",1178.6555093175,−0.240843102866374,0.116915531716698,−2.05997526017304,0.0394009059854447,0.357863350298482
"1695","PPP1R11",121.770895957481,−0.423022453799964,0.205455000404718,−2.05895428666457,0.0394986178590409,0.357863350298482
"1696","ADGRA2",185.030303685253,0.384512046513415,0.186776788841806,2.05867147035643,0.0395257210379201,0.357863350298482
"1697","EIF4EBP2",516.018610114844,0.362028057102266,0.175713382518887,2.06033286658375,0.0393667299646296,0.357863350298482

"1698","NEK9",98.5141560819944,0.52133191551018,0.253189029072933,2.05906202736772,0.0394882968782107,0.357863350298482
"1699","SLC30A4",70.8806240325296,0.466217044420622,0.226251864488127,2.06061083949691,0.0393401818109639,0.357863350298482
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"1701","LDLR",103.146910623946,-0.997258753221014,0.484442850808189,-2.058568418457,0.0395356007498096,0.357863350298482
"1702","TSPAN6",125.471656256765,0.514193133362402,0.249598259298948,2.06008301022061,0.039390605790719,0.357863350298482
"1703","STK26",13.7496516754441,-1.10411500464989,0.535973332549189,-2.06001854494982,0.0393967679711826,0.357863350298482
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"1705","PPP1R1A",5.55397864840002,-1.46278246230463,0.7108939796723,-2.05766612762557,0.0396221940372166,0.358226463978706
"1706","AC099063.4",5.47468647695681,1.63846108411101,0.796625187806659,2.05675279816619,0.0397100105926853,0.358800409375094
"1707","PRRC1",216.780666169508,0.391611375154643,0.190424112070405,2.05652199659387,0.0397322282713776,0.358800409375094
"1708","KAT14",32.1371067362573,0.631520149354418,0.307184584739337,2.05583281430055,0.0397986338961001,0.359189661304674
"1709","KCND3",13.6420564713606,1.19102310029984,0.579796952790366,2.05420724370463,0.0399556376180115,0.359196497268971
"1710","PIK3R4",56.8535062238302,0.504565106722518,0.245540686155121,2.05491446091243,0.0398872674622676,0.359196497268971
"1711","WDR46",182.758330248505,-0.48947283459131,0.238162030845868,-2.05520935832162,0.039858787622418,0.359196497268971
"1712","SQLE",61.9640525435641,-0.648181781027074,0.315393491433159,-2.05515268587729,0.0398642594476046,0.359196497268971
"1713","BDKRB1",22.0348698643799,-0.933244444942214,0.454321841522679,-2.05414831436324,0.039961339091206,0.359196497268971
"1714","FBXL20",157.548208344364,0.493275099492378,0.240131142070609,2.05419045292898,0.0399572620721757,0.359196497268971
"1715","UXT",688.7532431144,-0.499958795323074,0.243391249344614,-2.054413627921844,0.0399625035884713,0.359196497268971
"1716","WNT2",97.4544746599652,-0.978779835908963,0.476636687179892,-2.05351342486893,0.0400228090782375,0.359528905560042
"1717","AVEN",106.931642574176,-0.471731353346454,0.229780796708168,-2.05296247599652,0.0400762169241182,0.359799000515598
"1718","KIAA0040",51.1145085619268,1.00555696404041,0.489879983732062,2.0526598298215,0.0401055805363575,0.359853040726397
"1719","POC1B-AS1",22.7235900742769,0.735750844674004,0.358498108773942,2.0523144381159,0.0401391137398601,0.35994440855145
"1720","C19orf18",3.47517389182437,2.10997696528595,1.028708532954,2.05109309167196,0.0402578819582457,0.360799564178115
"1721","PSMC5",762.712533992668,-0.503379038479122,0.24549372963831,-2.05047615358958,0.0403179884937908,0.361128293220096
"1722","KANSL1L",92.692992921124,0.476013092266303,0.232176845871871,2

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"1723","SLC25A6",2442.22127736023,−0.525108661470441,0.256151361879311,−2.04999363508305,0.0403650519297536,0.361130165697708
"1724","TNFRSF11B",51.845291265471,0.871643168481958,0.425458629353456,2.0487142775939,0.0404900622524772,0.361308531534289
"1725","PTPRD-AS1",41.4901100357824,0.882420968735415,0.430649745992143,2.04904560364356,0.0404576558149796,0.361308531534289
"1726","CLCF1",20.4891846956637,−1.08589905000882,0.529956185970767,−2.04903552171899,0.0404586415863841,0.361308531534289
"1727","ZSWIM1",8.71490424889744,1.1868140097083,0.579332012682191,2.04859041745957,0.0405021824515895,0.361308531534289
"1728","MT-ND3",40921.3987507276,−0.785568306577897,0.383373720157541,−2.04909273972947,0.0404530473018404,0.361308531534289
"1729","CAMKK1",29.0479373982943,−1.16523020276866,0.568996365001866,−2.04786932648478,0.0405728051231816,0.361729202414022
"1730","FNDC10",24.9533219201428,1.0965161244485,0.535539199304833,2.04749927899182,0.0406090875865049,0.361843401818482
"1731","RPUSD1",41.6383582532214,−0.640243324783593,0.312789675826134,−2.04688125684646,0.0406697448259359,0.362174532924207
"1732","ITGB3BP",91.1193797047118,−0.583943475517713,0.285468639682642,−2.04556085798737,0.0407995958347141,0.363121114198682
"1733","TBC1D5",264.982520671054,0.39895975010153,0.195144402791371,2.04443347795149,0.040910742848636,0.363900231397418
"1734","ZGRF1",7.91224697589131,1.2069707583128,0.590851670571418,2.04276439998135,0.0410757662588015,0.365048370202802
"1735","CDC25B",62.4831384288123,0.551274129837632,0.269881948214672,2.04264914153922,0.0410871827636628,0.365048370202802
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"1737","MRC2",1568.42900864125,0.509687805845785,0.249618777406065,2.04186484343145,0.0411649399600282,0.365318105632605
"1738","ZNF704",321.5230379751,0.460174512993631,0.22542762548453,2.04134037256765,0.0412170067832233,0.365569712061788
"1739","LIMCH1",167.475718710474,0.45985321562814,0.225379994309985,2.04034620302485,0.0413158560244258,0.365605006094445
"1740","ENPP6",4.33866085650693,2.53493080447455,1.24198445465822,2.04103263528538,0.0412475833501002,0.365605006094445
"1741","TCF7",83.6650256286933,0.881948717792691,0.432230398281165,2.04045972078758,0.0413045589267475,0.365605006094445
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"1743","NBPF11",50.2636234907771,0.61126076246111,0.29968457561576,2.03968042467704,0.0413821658675416,0.365981690675935
"1744","SOCS7",39.6562421367714,0.601330744593024,0.294876512773976,2.03926294073461,0.0414237921759199,0.366139768573283
"1745","ZNF610",3.04252546264499,2.24948803065188,1.10341551224002,2.03865905970927,0.0414840664219844,0.366462397647501
"1746","IQCE",55.0674848220836,−0.51184402544711,0.251107304955343,−2.

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"1747","CREBL2",285.664330247869,0.315404549628796,0.154753160567373,2.03811378373421,0.0415385550013658,0.366476756746056
"1748","TBCD",124.780875899054,0.374090295914865,0.183585338374122,2.03769156746341,0.0415807880343076,0.366476756746056
"1749","RALGAPA2",44.0203597220007,0.671830445746722,0.329687383216275,2.03778027291387,0.0415719120774556,0.366476756746056
"1750","UBE3B",76.3756884625833,0.485317007574431,0.238297463335857,2.03660165232403,0.041689977082454,0.367019415605956
"1751","PLCXD1",8.38738334514442,1.29870066967385,0.637647725785363,2.036670556195319,0.0416795568300188,0.367019415605956
"1752","LY86",3.48579082062961,−1.74862981842048,0.859258809123626,−2.03504438924977,0.0418464067341432,0.367837504025439
"1753","AGTPBP1",15.886100349947,−0.895384412665687,0.440000115093122,−2.03496404194391,0.0418544912137931,0.367837504025439
"1754","MYH10",213.630969968524,0.520617960276385,0.255791192373269,2.03532402912709,0.0418182799049089,0.367837504025439
"1755","MYO9A",355.054207418078,0.397000995640376,0.195122461753718,2.034624779086,0.041888642140256,0.367927873841622
"1756","CLIC3",40.0770026848416,−1.08348361780373,0.53270811425211,−2.03391611431501,0.0419600539446345,0.368345234371606
"1757","ZMYM4",202.137524890927,0.339405521206295,0.166983176297931,2.03257315336204,0.0420956661164287,0.369115297602246
"1758","AL591846.2",12.9665440116493,−1.24360514890041,0.611825279934176,−2.03261484885719,0.0420914501343776,0.369115297602246
"1759","PRRT2",52.5673191859433,−0.612979707739899,0.301686679049606,−2.03184214056434,0.0421696395278539,0.369291016189409
"1760","HSF4",30.9983747964837,0.692406247891068,0.340767205968272,2.03190399711038,0.0421633758188989,0.369291016189409
"1761","TLE2",126.510112047622,−0.518296838977647,0.255109392774266,−2.03166505686547,0.0421875757061011,0.369291016189409
"1762","CCT3",415.559515502034,−0.517855729963205,0.255349071133649,−2.02803060008846,0.0425571250218928,0.371537810521445
"1763","GPR1",43.4162799791012,1.21214233210222,0.597855510156149,2.02748375069025,0.0426129645800787,0.371537810521445
"1764","ANXA3",25.3119439826204,1.21308502859647,0.598173816682359,2.02798082223756,0.0425622053466571,0.371537810521445
"1765","NAV3",135.949300850038,0.523479985959327,0.258125401684112,2.02800647493016,0.0425595871701943,0.371537810521445
"1766","UNC119B",38.0830896304376,0.748799292610267,0.369259726202946,2.0278390506056,0.0425766773623463,0.371537810521445
"1767","GANC",55.8429066411621,0.537228234111613,0.26490791651501,2.02798104782638,0.0425621823219178,0.371537810521445
"1768","MED13",289.928002815681,0.444514725326156,0.219243043017736,2.02749751694605,0.0426115581285609,0.371537810521445
"1769","TMTC1",81.7286079245632,0.555224399135141,0.274088569321581,2.02571161763302,0.0427943454699773,0.372731848311712
"1770","KDM6A",82.9587308837023,0.501244598567856,0.247445920217951,2.02567331935139,0.0427982725599566,0.372731848311712
"1771","CCN4",2.48762494865831,−2.01845395459778,0.99701688101711,−2.0

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"1772","MXRA5",339.587801994727,0.713881774741524,0.352657950209534,2.02428946892411,0.042940376552158,0.373547350198373
"1773","ZNF529",34.9781896635557,0.703539151068758,0.347633334645009,2.02379657229128,0.04299108705706,0.373777556110874
"1774","IL7R",27.7132394734464,0.935320873500885,0.462676300003555,2.02154481112108,0.0432233984931067,0.375585506071725
"1775","DDI2",143.346899785035,0.582568153372314,0.28821965278386,2.02126450346254,0.0432523915981227,0.375625699428204
"1776","AFAP1L2",35.6125730131141,−0.786064200397036,0.388959604754324,−2.0209404544555,0.0432859294868415,0.375705294504314
"1777","CNN2",223.225957541501,0.49773636770288,0.24632199366036,2.02067367313201,0.0433135568685454,0.375733527928321
"1778","CXCL8",298.494388253913,−1.97846324481415,0.979751221804333,−2.01935266910978,0.0434505772404683,0.375880839778945
"1779","CLTB",835.407319243914,−0.503889149932598,0.24962612532616,−2.01857537657254,0.0435313724468942,0.375880839778945
"1780","CBWD1",100.201530937098,−0.532447217072068,0.263797151385159,−2.01839638630011,0.0435499954489261,0.375880839778945
"1781","RNF38",109.723287081243,0.44822448334293,0.222065708533749,2.01843177995584,0.0435463123903957,0.375880839778945
"1782","KLHL33",11.2514785538679,1.23642147380622,0.612541840361878,2.01850941819054,0.0435382342888351,0.375880839778945
"1783","AL121839.2",22.0853658581022,1.13915769922554,0.56399484679573,2.01980160935429,0.0434039701560503,0.375880839778945
"1784","HSD3B7",429.785994825978,−0.647408129911054,0.320625073558182,−2.01920617974868,0.0434657942942541,0.375880839778945
"1785","TAF9B",43.66670707484,0.595263075764743,0.294682507889317,2.02001496467623,0.0433818353154878,0.375880839778945
"1786","AMOT",94.378418901475,0.487870168962503,0.241693784467886,2.01854660862132,0.0435343651480305,0.375880839778945
"1787","SFMBT2",33.6438397608982,1.04970064670542,0.520159255480766,2.0180370447032,0.0435874033809457,0.375993185851862
"1788","KHDRBS3",350.12852440928,−0.54065897768009,0.268125604788173,−2.01643919127838,0.04375407083924,0.376377791287324
"1789","MPP7",17.1337102665311,0.905521355010943,0.449041471682115,2.01656508833995,0.0437409193788223,0.376377791287324
"1790","SLC3A2",407.196510242183,−0.589280165655225,0.292115824095775,−2.01728258809431,0.043666031620726,0.376377791287324
"1791","BRCA1",43.1598432406233,0.580104581758181,0.287624159993448,2.01688405372969,0.0437076145544199,0.376377791287324
"1792","ADGRG2",17.8025415465514,1.06526511693952,0.528260451913296,2.01655284449414,0.0437421982490355,0.376377791287324
"1793","C15orf61",547.064040000482,−0.433385520827988,0.214951903694875,−2.01619763946441,0.0437793131776255,0.376384892712269
"1794","RNF213",452.191406675621,0.493011629383064,0.244567473434924,2.01585117783149,0.0438155401356877,0.376486371901687
"1795","SLC30A1",110.309780362006,0.437927688645727,0.217331012694974,2.01502621837207,0.043901920184136,0.377018283907435
"1796","IFFO2",22.630374528956,0.838859803661864,0.416434513257629,2.0

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"1797","TCF4",2689.22579996989,0.460275418846839,0.228490892462715,2.01441472737014,0.0439660094082528,0.377036986481915
"1798","AF165147.1",10.6563258916465,1.07070823468505,0.531552028800772,2.01430561200315,0.0439774571323051,0.377036986481915
"1799","S100A8",25.6755942200715,1.00191952687094,0.497651888575333,2.01329393070166,0.0440837164923938,0.377711812062052
"1800","TARBP1",65.3164900296008,0.576952403652358,0.286633580312613,2.01285698285285,0.04412967716664,0.377711812062052
"1801","AC079781.5",18.4338723580802,1.13530866388731,0.56397563227038,2.01304559794,0.0441098325937128,0.377711812062052
"1802","ZSCAN30",61.8345560234234,0.582376894488503,0.289431524044375,2.01214051030327,0.0442051273823977,0.378147635182942
"1803","KIF22",110.742610315395,−0.457573459806261,0.227451651726433,−2.01173944586961,0.0442474101461596,0.378299405104298
"1804","ACE",389.522227504168,0.525650728506944,0.261553918157146,2.00972224851598,0.0444605938539032,0.379911338280442
"1805","FASN",44.6439216236636,0.579914700042563,0.288824851735398,2.007842111108621,0.0446600723268653,0.380844522231312
"1806","KLHL22",72.015634635379,0.432881052475246,0.215603807438422,2.00776163286857,0.0446686277128909,0.380844522231312
"1807","LGALS1",11826.3766300394,−0.557892613037017,0.277839468635237,−2.00796746328885,0.0446467492820531,0.380844522231312
"1808","ALG13",173.116861287107,−0.346206590229245,0.172389883527468,−2.00827672218992,0.0446138940736514,0.380844522231312
"1809","TTN−AS1",62.4807818460807,0.610012180825713,0.303978148456468,2.00676326217268,0.0447748763682897,0.381458372585414
"1810","E2F4",111.49516928565,−0.474085452465936,0.236260677843822,−2.00662021624829,0.0447901170534934,0.381458372585414
"1811","CKAP2",43.2192914680236,0.591510112304487,0.294859257813485,2.00607610793977,0.0448481285110128,0.381741524570548
"1812","ATP9B",79.1776086690659,0.482443687723189,0.240549736638674,2.00558809360852,0.0449002132632148,0.381973944510186
"1813","DYNC1I1",4.73509822756045,−1.33017382975387,0.663375738004804,−2.00515899745527,0.0449460519383123,0.382133322473801
"1814","PRSS23",1117.9717474547,−0.650659288388371,0.324557784939391,−2.00475637492374,0.0449890984191994,0.382133322473801
"1815","APAF1",64.5760315913277,0.524800664575563,0.261813185008113,2.00448523843175,0.0450181066242247,0.382133322473801
"1816","CD93",7.03934322573158,−1.46335246454097,0.729973395511172,−2.00466547622087,0.0449988216838556,0.382133322473801
"1817","NCF2",9.21457734261307,−1.3591336603794,0.678214249630257,−2.00398865273084,0.0450712759629275,0.382374088590274
"1818","RPL22L1",518.29199066487,−0.469473740864619,0.234495764527366,−2.00205637748238,0.0452786684333893,0.38249721770777
"1819","FAM198B−AS1",12.584956805631,1.13462469550637,0.566785030220304,2.00186073204043,0.0452997119744708,0.38249721770777
"1820","ASL",72.0135083872157,−0.495564728961451,0.247489492250081,−2.

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"1821","MINDY3",91.4649423365329,0.433083333080934,0.21629662323606,2.00226580795152,0.0452561513129791,0.38249721770777
"1822","NPM3",81.6601856582018,-0.543954276107478,0.271597909999534,-2.00279256975288,0.0451995577323346,0.38249721770777
"1823","PPP1R14B",1412.95294721979,-0.530833002289693,0.265181366362808,-2.00177338841913,0.0453091092789094,0.38249721770777
"1824","HOXC9",324.535110918127,-0.430633528913825,0.215006052288913,-2.00289026438737,0.0451890682988374,0.38249721770777
"1825","PYGL",101.179690638711,-0.407382652222862,0.20346295124888,-2.00224487909124,0.0452584010751253,0.38249721770777
"1826","AC006942.1",11.0745128681252,-1.18279042190007,0.590748969567116,-2.00218787138434,0.0452645296357175,0.38249721770777
"1827","SH3GL2",3.03314442113434,-1.90938113810295,0.954086141664119,-2.00126702896303,0.0453636209000681,0.382747792104296
"1828","NUP133",73.9418710937474,0.443651004528117,0.221731910537886,2.00084418815448,0.0454091837488407,0.382786345791886
"1829","SYS1",241.285927096707,-0.332843767771258,0.166358354861987,-2.00076376114316,0.045417854456916,0.382786345791886
"1830","ARL2",868.928141709033,-0.503316926620314,0.251649686266243,-2.00006975604892,0.045492732028767,0.383207903947237
"1831","GREB1L",9.34094444137943,1.2032773947669,0.601698181557636,1.99980227902956,0.0455216184107645,0.383241806554852
"1832","AL513218.2",2.57123078277527,-2.00603941364137,1.00376069458226,-1.99852357685339,0.0456599264772489,0.384196379174013
"1833","WDR86",167.524606908087,0.751777930769795,0.376497814205029,1.99676572454256,0.0458506385888971,0.38540489235618
"1834","AKR1C8P",5.10566085243141,1.65850557066528,0.830607141087155,1.99673887765341,0.0458535564438037,0.38540489235618
"1835","ZBTB40",50.905964038656,0.617073950270839,0.309151126363569,1.99602685433902,0.0459309998240904,0.385671464952452
"1836","KLF12",126.175992161438,0.548166418627685,0.274648114852964,1.99588633230253,0.0459462967457344,0.385671464952452
"1837","LDLRAD4",56.4801973453314,-0.682043415811565,0.341746645356381,-1.99575745681516,0.0459603296216448,0.385671464952452
"1838","CPXM2",156.550030735711,0.930349926602182,0.466290135992773,1.99521682915592,0.0460192363319512,0.385745801009803
"1839","HDAC7",537.967036763428,0.440451534419802,0.220746259980157,1.99528424381638,0.0460118873719645,0.385745801009803
"1840","FAM160B1",167.26649536609,0.443646167239882,0.222528062435993,1.99366391089434,0.0461887958392883,0.386956678186212
"1841","SAP25",10.6066693800868,-1.15433303750393,0.579166681831208,-1.99309296220936,0.0462512685122811,0.387269583985233
"1842","SGSM2",75.7329512976604,0.492768489412343,0.247389159564495,1.99187583756627,0.0463846826749584,0.388175832483433
"1843","ODF2L",497.498781859628,0.354003405393758,0.177826098283976,1.99072806978219,0.0465107910116462,0.388387780847522
"1844","TTC14",250.005256809198,0.413077324250968,0.207498304355624,1.99075036074998,0.0465083390977537,0.388387780847522
"1845","PDLIM3",326.343276994664,-1.39695335153848,0.701672220006982,-

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"1855","CPED1",320.150017401326,0.349996772250828,0.176502426126133,1.98295728808119,0.0473722006755368,0.392890605555364
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"1858","AC022467.1",14.0782608863921,1.27702310840612,0.643977725084293,1.98302372685168,0.0473647793049853,0.392890605555364
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"1861","FOXJ3",117.625588537668,0.516653456962759,0.260891054436571,1.98034178702884,0.0476651363377308,0.393115384145299
"1862","GSTM3",663.562194517887,0.669570484178495,0.338184277428908,1.97989832427751,0.0477149547561849,0.393115384145299
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"1875","MYLK",26.1871443640361,−2.11809129539023,1.07040812673919,−1.97876981917413,0.0478419279811203,0.393324437242117
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"2079","MEX3B",101.789602995937,0.550482159130352,0.289038664772323,1.90452775431955,0.0568414855640381,0.421276997532558
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"2081","SCO1",112.4343044896,0.370450435110088,0.194541997438319,1.90421831783413,0.0568817570301757,0.421351410197097
"2082","NINL",37.4007268856711,0.654555564595766,0.343895559518135,1.90335567435918,0.0569941507146935,0.421981187928434
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"2117","NUP50",110.92778319678,0.426006238200197,0.22530803717202,1.89077248884355,0.0586547211311142,0.427096138987305
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"2119","AC024560.1",2.6976092415675,−1.71634577278925,0.908209636497926,−1.88981233386547,0.0587830634105301,0.427612581968553
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"2127","NAF1",50.1146218671135,−0.502389402134271,0.266219802666361,−1.88712258480594,0.0591438396497871,0.428632951669707
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"2129","FBXL19",17.1662120744,0.821334712487464,0.435453255042395,1.88616046148857,0.059273334777763,0.429167898355667
"2130","ATP11C",120.425131776312,0.419826763010876,0.222608471284828,1.88594243780466,0.0593027119323015,0.429179016167337
"2131","ITGAX",12.2054483703396,−0.984731798211863,0.522277290933228,−1.88545781198394,0.059368055125884,0.429450290833178
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"2133","RABEP1",243.103120388752,0.362293520149744,0.192226685808382,1.88472021262902,0.0594676219692025,0.429565788498246
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"2135","GPRASP1",40.788485520539,0.592168582726144,0.31423604233551,1.88447059835957,0.05950134818787,0.4296080947616
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"2138","ZNF770",121.762001005549,0.402442486313962,0.213709161678412,1.88313165029188,0.0596825289212955,0.430311591824963
"2139","MT−ND5",7548.95367510035,−0.380821714545509,0.202269072599596,−1.88274811196356,0.0597345119307677,0.430485040398684
"2140","UCHL5",119.789361786567,−0.337052497860267,0.17904353313906,−1

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"2151","SMAD1",65.088764750986,0.45269668281101,0.24099777397438,1.878
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"2154","BEGAIN",4.77774979381244,2.26417691725732,1.20590669298395,1.8
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"2155","R3HDM4",82.8357396908001,−0.447993833857958,0.238698622858094,
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"2156","CTSC",93.6284966523693,0.52528204107606,0.27996405971829,1.876
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"2157","PGBD2",19.2840731617864,−0.653966108011155,0.348762646839945,−
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"2159","LINC01277",6.1482329535586,−1.23902850117388,0.660764351414843
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"2161","EFHD1",313.363425992794,0.530426833639069,0.283164861971265,1.
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"2162","SUN1",477.4181659874,0.266358054508057,0.142121932849144,1.874
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"2164","FICD",35.8949164929628,-0.579227519348796,0.309142629302916,-1.87365786677461,0.0609775966865974,0.433880996562517
"2165","PCNX1",128.565600065545,0.442558916403399,0.236252386518005,1.87324633171344,0.0610343771039176,0.433880996562517
"2166","CPSF2",96.5352464853292,0.420617371639091,0.224552961111948,1.87313215357422,0.0610501382772688,0.433880996562517
"2167","ZNF90",17.3686871152885,0.745218920442353,0.397517401082676,1.87468251304893,0.0608364140226871,0.433880996562517
"2168","SLC5A3",179.459189283135,-0.685663569154995,0.365963562136339,-1.87358425836819,0.0609877493892548,0.433880996562517
"2169","MED14",55.5307379850691,0.458048079075407,0.244392762596388,1.8742293110859,0.060898825803109,0.433880996562517
"2170","MAP3K13",127.261281334459,-0.341867440716372,0.182624385248478,-1.8719703847393,0.0612107008360359,0.434821637505758
"2171","C21orf62-AS1",29.0496354822232,0.818103628376115,0.43722896655234,1.87111031281177,0.0613297924555017,0.435466951037107
"2172","DENND3",15.1307272020456,-0.940212237756818,0.502601185827459,-1.87069243819808,0.0613877235400928,0.435477109236323
"2173","RWDD2B",84.7438426871295,0.394273803686337,0.210745040402681,1.87085685590977,0.0613649244649259,0.435477109236323
"2174","TRNAU1AP",143.668041398728,-0.327812337529711,0.175295584591806,-1.87005473237136,0.061476217748292,0.435557925285147
"2175","SLC40A1",239.698467028793,-0.553635066404347,0.296067199542632,-1.86996420832706,0.0614887882940216,0.435557925285147
"2176","GPR150",7.47499959195599,-1.24514994848384,0.665951788522793,-1.86972986625026,0.0615213398964164,0.435557925285147
"2177","GNAL",52.5623918818907,0.642855230104653,0.343781805995457,1.86995128565108,0.061490582964192,0.435557925285147
"2178","ZNF177",15.0934062584719,0.862717332466405,0.461446661962551,1.86959274729008,0.0615403932060364,0.435557925285147
"2179","RBBP4",304.146143718646,0.257166995484863,0.137622915432037,1.86863499205451,0.0616736139743016,0.436300486192684
"2180","DAAM2",21.2600408689651,0.787850798689951,0.421765902940865,1.86798125025392,0.061764684439263,0.436744316803321
"2181","DHRS11",17.1111320745854,-0.75860845865807,0.406204340863222,-1.86755379582098,0.0618242917720193,0.436965363441393
"2182","MDM1",63.8276667650329,0.424810521426126,0.227598632468883,1.86648977991643,0.0619728726145268,0.43781477147247
"2183","TWF2",347.008818023668,-0.446102360299676,0.239069732510947,-1.86599263576475,0.0620423958192436,0.437968579720448
"2184","AC010624.5",2.40090978135704,2.2003360758254,1.18977465840791,1.8659277972463,0.0620514679279571,0.437968579720448
"2185","OBSL1",116.583232439652,0.425166759199144,0.227909131282183,1.86550998113686,0.0621099544645945,0.43798030561378
"2186","ROBO3",216.330327362143,-0.456608563430208,0.244755567191829,-1.86556967291509,0.0621015959267117,0.43798030561378
"2187","PNO1",62.372488479295,-0.438436745490415,0.235143179274831,-1.86455225638494,0.0622441903547323,0.43872619767636
"2188","PLD1",99.820318574796,0.599036218739764,0.321354221912616,1.86

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"2189","AP000350.5",3.03686307908232,1.95117026638742,1.04681244688466,1.86391580668929,0.0623335286120072,0.438954473985423
"2190","ST8SIA4",5.06110600623208,−1.54432157654996,0.828746234919321,−1.86344324894617,0.0623999299977776,0.439221425075681
"2191","EGR3",125.561836486164,−0.818464511698842,0.439301536382758,−1.86310414126511,0.0624476157151997,0.439256221217273
"2192","HMCN2",223.122350317309,−0.856907671233454,0.460010471505791,−1.8628003584972,0.0624903595932196,0.439256221217273
"2193","AL359532.1",3.26156807494087,1.72432202180987,0.925571312528092,1.86298127272342,0.0624649010700397,0.439256221217273
"2194","LRRC59",215.757621157596,−0.381369066957476,0.204763998499303,−1.86248105014795,0.0625353140861158,0.439371862642422
"2195","SRPK2",371.208138154918,0.327799219035516,0.17602157815889,1.86226724282417,0.0625654303445908,0.439383193057798
"2196","UBFD1",101.426703599724,0.367885379776814,0.19757850481881,1.86197066383402,0.0626072254296284,0.439476493623735
"2197","MAT2B",160.21773056144,0.440825529812153,0.236795026517642,1.86163339785902,0.06265478234064,0.439570636538856
"2198","LRRK2",150.554553094859,0.52600878340179,0.282576916711411,1.86147116871188,0.0626776684471233,0.439570636538856
"2199","ZKSCAN3",17.9099041584047,0.713004917826044,0.38329457376783,1.8602009175792,0.0628571052953146,0.439828542045971
"2200","NELFE",313.796818893437,−0.360249907474212,0.193651725161776,−1.86029795073223,0.0628433833366264,0.439828542045971
"2201","VEZT",158.989035964351,0.338820836314018,0.18212963980693,1.86032782293531,0.0628391594529206,0.439828542045971
"2202","BTBD6",300.455556243743,−0.460912296356358,0.247712696457975,−1.86067288010226,0.0627903859113363,0.439828542045971
"2203","AL683813.1",20.3839974455874,0.947415160274791,0.509288679842384,1.86027138982944,0.0628471392046936,0.439828542045971
"2204","LINC01625",9.95580884057773,1.15170109533927,0.619332009147798,1.85958593828214,0.0629441303018147,0.440037990295906
"2205","HELLPAR",217.22913495078,−0.646010924730674,0.347393805911908,−1.85959252507366,0.0629431976851722,0.440037990295906
"2206","TRANK1",83.5851070065207,0.452839239545434,0.243609174466723,1.85887596613194,0.0630447214814594,0.440516477467714
"2207","AK1",268.324545115382,−0.596647194984676,0.321002485426149,−1.85869961160143,0.0630697285612225,0.440516477467714
"2208","FBLIM1",24.4333017310828,−0.652689154546717,0.351191878661879,−1.85849728938383,0.0630984279582947,0.440517331058475
"2209","FAM3B",6.86169635839308,−1.3129497785375,0.706537706694999,−1.85828691957453,0.063128280351874,0.440526229798161
"2210","HIF1AN",58.1962951128535,0.426337359181448,0.229578295529612,1.85704558088966,0.0633046694812686,0.441557230793554
"2211","SDC2",1983.82051644936,−0.371527609581613,0.200091065369207,−1.85679260038959,0.0633406668847471,0.441608493907
"2212","TES",85.1570712517735,−0.891416378540939,0.48026791409426,−1.85608147532001,0.063441945752813,0.441715263676429
"2213","RGS3",9.23038059460776,−1.08598918684126,0.585032545088503,−1.

85628850216696,0.0634124470651672,0.441715263676429
"2214","RNASEH2A",20.3135835506574,−0.740211949770842,0.39880172412262
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"2215","BTN3A1",81.470753470397,0.554792132935223,0.298979355798676,1.
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"2244","EBNA1BP2",212.989864323728,−0.437148702630816,0.237231366012471,−1.8427103885067,0.065371306435287,0.446191448217459
"2245","VCAM1",55.0812638253754,0.998470664590117,0.541816942268812,1.84281920090779,0.065355412415685,0.446191448217459
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"2282","AGPAT3",75.4133731289127,0.510758603311488,0.278581407850002,1.83342674320354,0.0667391335660245,0.451194121841831
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"2314","SIRT7",70.2966719255157,-0.391275216756235,0.214566240677577,-1.82356374199702,0.0682180522826982,0.454443075167586
"2315","AC006059.1",11.4020522367251,-0.934948316539284,0.512782365876184,-1.82328484510529,0.0682602604072547,0.454463217822172
"2316","SYNRG",186.409931160865,0.398764160199385,0.218722124793046,1.82315419885709,0.0682800397324781,0.454463217822172
"2317","PYROXD2",58.0714999847469,0.515551112038217,0.282923289591331,1.82222931446508,0.0684201983632788,0.454611446009742
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"2319","RAB37",5.41430394899223,1.59467458826375,0.875031399745533,1.82241984542211,0.0683913056363809,0.454611446009742
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"2325","ADAM33",349.75446749734,0.455516510206491,0.250206572446158,1.82056172926677,0.0686735047985115,0.455312721061959
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"2330","BTRC",50.7931969930327,0.428615975738821,0.23580250509967,1.81769050993607,0.069111449037264,0.456913840441873
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"2332","FN3K",26.9922461394998,0.609433493741247,0.335174578130853,1.81825691297901,0.0690248749640532,0.456913840441873
"2333","AP5S1",47.1671161440244,0.534580661674337,0.294141865244772,1.81742459962129,0.0691521238891268,0.456913840441873
"2334","INPP4A",42.3322217242149,0.572731722809807,0.315257765399648,1.81670932699711,0.0692616328394938,0.457441332571036
"2335","KIAA0825",27.1917490899227,0.562288264360502,0.309546289525606,1.81649169570805,0.0692949806540361,0.457465578921613
"2336","EXOC6B",76.4086350905956,0.466175694417446,0.256802281017263,1.81530978841308,0.069476315589387,0.457878326126721

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"2394","VPS35L",116.29755898593,0.325082120613492,0.181143740015785,1.79460863833972,0.0727160758676974,0.468557192102938
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"2428","FAM72D",3.62882536831731,1.85361190781605,1.03820524260636,1.78540025781671,0.0741964168703155,0.469708986176861
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"2433","TM9SF1",320.190162042866,-0.386384647107035,0.216416107623782,-1.78537841452507,0.0741999574659166,0.469708986176861
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"2440","DRC3",23.7950271234269,-0.646223152327171,0.362309555660615,-1.78362160818222,0.0744851719990064,0.470395474208867
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"2447","VWA1",60.5478942994361,0.65902076648819,0.369915743985869,1.78154289781558,0.0748238034190675,0.470738962553177
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"2451","TCEANC",10.9939320422682,0.841870033770199,0.472444962077004,1.78194308617261,0.0747585133498096,0.470738962553177
"2452","GEMIN8",76.8818300282422,-0.496182213830449,0.278453829592407,-1.78191915893829,0.0747624157301324,0.470738962553177
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"2461","TRIM61",9.19600236752518,1.29753796115354,0.730439696832619,1.77637930520482,0.0756704197436989,0.472825099452419

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"2463","AC004854.2",5.92722999537616,−1.03019853838553,0.579903950664409,−1.77649856878058,0.0756507776094321,0.472825099452419
"2464","UBE2H",415.000999354817,0.339753357598991,0.191178862576018,1.77714917340245,0.0755436994243875,0.472825099452419
"2465","AC139019.1",3.66914822780212,1.5507422564667,0.872543417539845,1.77726658100184,0.0755243893612674,0.472825099452419
"2466","POLR3K",79.8946041815234,−0.528598087890501,0.297524425415048,−1.77665442813008,0.0756251146004242,0.472825099452419
"2467","MORC2-AS1",14.892574268056,−0.686297991346774,0.386317308082235,−1.77651370256671,0.0756482854455597,0.472825099452419
"2468","ADORA2B",6.02780050734155,−1.27572592692179,0.718482961519188,−1.77558271420153,0.075801721191471,0.473453619192272
"2469","SLC36A4",79.5271265530613,−0.395510323663161,0.222788864903963,−1.77526971033158,0.0758533642138969,0.473584288925565
"2470","IQCH-AS1",59.803248263203,0.656190444142393,0.369768369071271,1.77459863803525,0.0759641822898852,0.474084157894162
"2471","VAV3",2.8968406439667,−1.61498417423245,0.910718242217641,−1.77330825206695,0.0761776424126356,0.474135865796456
"2472","DEGS1",355.964721298495,−0.368344329594998,0.207699394084006,−1.7734492255958,0.0761542983025499,0.474135865796456
"2473","C2orf68",114.593336476931,0.432220602256166,0.243745278187236,1.77324707773067,0.0761877742184768,0.474135865796456
"2474","AC116351.2",3.39398198897427,1.71545069211165,0.967155153013708,1.77370785521455,0.0761114864399119,0.474135865796456
"2475","RNF170",157.127551218031,0.326610951118654,0.184171193850692,1.7734095343023,0.0761608702790288,0.474135865796456
"2476","AL138756.1",5.02545442651037,1.34055620990555,0.755950608655183,1.77333835644417,0.0761726568739424,0.474135865796456
"2477","YES1",202.956619706414,0.302430077421781,0.170506085706341,1.77372013537775,0.0761094541500034,0.474135865796456
"2478","WDR82",303.723348639126,0.294544633115472,0.166177818666261,1.77246659920968,0.0763171349974392,0.474557739405214
"2479","TLE1",36.0149672208805,0.731250550404135,0.412528436123205,1.77260641054509,0.0762939487405407,0.474557739405214
"2480","STAT6",288.73140977215,0.360055378050594,0.203242738095677,1.77155347061452,0.0764687092558664,0.475308529507734
"2481","AC010883.3",7.76075690444303,1.5075190422195,0.851069972494008,1.77132208977108,0.0765071561445203,0.475355829088182
"2482","OVGP1",2.75973285465796,−1.65082893626438,0.93210423871856,−1.77107759807413,0.0765477986949594,0.47541672718888
"2483","DNAJC4",230.702714148215,−0.515109454383597,0.290932848594921,−1.77054415433442,0.0766365356740514,0.475734671161622
"2484","RHNO1",28.2496403764538,0.595982912197599,0.336637645154045,1.77039888668683,0.0766607150934459,0.475734671161622
"2485","TRMT10A",53.0290315827196,0.400917444121936,0.226513130838852,1.76995233184588,0.0767350819256047,0.475842604916135

"2486","CACNB1",17.5916765890286,-0.701113000025834,0.3961675707374,-1.76973849404389,0.0767707141372966,0.475842604916135
"2487","CALR",1580.69125696324,-0.385320830725939,0.217715216318519,-1.76983877030539,0.0767540032283097,0.475842604916135
"2488","MBD5",133.369883426431,0.400873237831194,0.226604093477326,1.76904676204053,0.0768860711936288,0.475889406068652
"2489","CLOCK",138.818199680975,0.397375433933785,0.224573801530581,1.76946478719012,0.076816342126553,0.475889406068652
"2490","SGPL1",58.3461124062262,0.42193099579496,0.238519134757103,1.76896078473803,0.0769004191111317,0.475889406068652
"2491","SMIM10L2A",2.93428135830948,1.82354576595762,1.03086174435006,1.7689527969702,0.0769017522229654,0.475889406068652
"2492","BICC1",588.311178850137,0.506869159971286,0.286602638109268,1.76854324620013,0.0769701291030153,0.476121404543732
"2493","UBE2QL1",4.40168348734898,1.63888611095967,0.927267980914425,1.76743524492616,0.0771553647509221,0.476502382866773
"2494","GALNT10",141.938028769559,0.580989255681548,0.328634843104987,1.76788696594762,0.0770798022187823,0.476502382866773
"2495","QKI",829.568507428826,0.288145286230474,0.163018898118142,1.76755756269221,0.0771348978461895,0.476502382866773
"2496","AL138820.1",3.39265721730191,1.78657997338404,1.01069160673172,1.76768062728978,0.0771143104425038,0.476502382866773
"2497","CENPK",5.27849743562959,-1.11538973856558,0.631274912796453,-1.76688430976065,0.0772476052208102,0.476880990980693
"2498","AC073349.1",14.6590307304833,-0.771027342871559,0.436478749337386,-1.76647166452444,0.0773167512987857,0.476925858851853
"2499","EXD3",35.6860762503177,0.549398372759222,0.311001277065774,1.76654699923637,0.0773041238610012,0.476925858851853
"2500","HS2ST1",93.2187503041676,0.369641686768004,0.209285677828652,1.76620631952962,0.0773612412248407,0.47693627805283
"2501","KMT2C",449.050092565083,0.496907873357894,0.281448178152921,1.76553949156461,0.0774731391660256,0.47693627805283
"2502","PPP2R2D",144.33085248574,-0.307852288109672,0.174327207276268,-1.76594516093979,0.0774050495880462,0.47693627805283
"2503","RELB",50.7275557908653,-0.476266364524675,0.269727727349177,-1.76573009087836,0.0774411419489293,0.47693627805283
"2504","MRTFA",108.829013120469,0.394140035910894,0.223227066549533,1.76564626325651,0.077455213341605,0.47693627805283
"2505","LINC02384",91.2827600856479,0.673923295945254,0.38186799907175,1.76480694266981,0.0775962174417166,0.477503270205214
"2506","CFLAR",646.491154862516,0.433831913884411,0.245883841187399,1.76437748731023,0.0776684458634492,0.477639904369255
"2507","CRYGS",3.80845911478988,1.48541362252139,0.841924932356047,1.76430649032403,0.0776803918426027,0.477639904369255
"2508","VRK3",89.1770818141316,0.366608517955336,0.207815851323564,1.76410276511841,0.0777146790293891,0.477660198260779
"2509","MBOAT1",123.584261693577,-0.451971093411406,0.256253905956897,-1.76376274821516,0.0777719317180193,0.477821573309393
"2510","LINC01303",6.8125058819726,-1.34141648607163,0.760839494399276,-1.76307420414703,0.0778879752794374,0.4783438800528

"2511","CSF2",3.42847361724786,−2.51388526016811,1.42651032751153,−1.7
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"2512","CKAP5",120.187757712792,0.315880682064319,0.179229085156516,1.
76244096647857,0.0779948222197033,0.478803912752225
"2513","CEP63",186.381713384618,−0.344018776660981,0.195292979830593,−
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"2514","PIM1",339.31858070288,−1.30751309256369,0.742174537591957,−1.7
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"2515","TBXAS1",4.44140325357043,−1.26297276780256,0.716964202930816,−
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"2516","SIPA1L2",175.461907662294,0.532144784640968,0.302184606215143,
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"2517","AC007364.1",11.7123353668426,0.8896591695234,0.505339614828654
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"2518","TCTA",82.0272847452272,0.519029429692218,0.294827501832203,1.7
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"2519","PCNP",558.186188215597,−0.253514176899163,0.144011260041799,−1
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"2520","TM4SF1",8.50349586711716,−1.4940821740503,0.848880226847932,−1
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"2521","THAP6",67.2443577573366,0.395959055000643,0.224966617639422,1.
76007915821221,0.0783943860194684,0.479108701477686
"2522","R3HCC1",212.463354176652,−0.43863455783101,0.249063696443242,−
1.76113405564495,0.0782157161580054,0.479108701477686
"2523","AC011462.5",7.13383842982936,1.41337302858665,0.80307640970202
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"2524","GMPPA",115.528895069606,−0.411695403579365,0.23396550240284,−1
.75964148283071,0.0784686133180336,0.47915684141953
"2525","MAOB",42.3927621788842,−0.47423560650472,0.269523190441502,−1.
75953544378828,0.0784866055520152,0.47915684141953
"2526","TBC1D9",106.612902871093,0.389966313625834,0.221753549382819,1
.75855725742015,0.0786527382594583,0.4799809818961
"2527","TNFRSF25",2.66193795559974,−1.61452740647283,0.918709078690142
,−1.75738701611042,0.0788518648994074,0.480815465753309
"2528","AL353150.1",5.40998979821467,1.39683579066626,0.79476973454466
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"2529","MCC",122.80250223406,0.528041456185476,0.300555490968251,1.756
88507464751,0.0789374001546893,0.48095653098203
"2530","TRIR",1297.27163391692,−0.394474227107866,0.224520871534608,−1
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"2531","CD164",1136.63583512112,0.246135038622136,0.140156484827041,1.
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"2532","SEPSECS",29.3286520450156,0.531674720531749,0.302804714141158,
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"2533","SLC39A1",527.915912316161,−0.384849140822466,0.219271765744143
,−1.75512401022723,0.0792380982120382,0.481924959538081
"2534","ATF2",165.609700880097,0.31246856546556,0.178096443767789,1.75
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"2535","JRK",23.0078716725383,0.784518432112006,0.447080468840631,1.75
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"2536","MFAP5",16526.9573531606,0.548417616199929,0.312577568779269,1.75450086946962,0.0793447210533399,0.481924959538081
"2537","ABAT",17.2214106545981,0.811995015529446,0.462717003519664,1.75484153241181,0.0792864172869534,0.481924959538081
"2538","CD37",16.9472076633113,-0.708351951402382,0.403644285600836,-1.75489156336743,0.0792778575259163,0.481924959538081
"2539","RUNX3",13.476863798532,1.16765890674987,0.665783323738456,1.75381218651335,0.0794626942132989,0.482250957203938
"2540","ENTR1",93.8275048402677,-0.345431491653786,0.196958445240917,-1.7538292975011,0.0794597613303959,0.482250957203938
"2541","AL356055.1",5.73738104374508,-1.2372794671613,0.70595936367111,-1.75262137005625,0.0796670206067798,0.483300717297722
"2542","SVBP",568.565198633127,0.470370683170117,0.268458760715497,1.75211522960354,0.0797539960263997,0.483447836707413
"2543","BMP5",30.5929434349083,1.25447730776681,0.715972014972818,1.75213176148293,0.0797511539614685,0.483447836707413
"2544","PRIMPOL",57.2164064982437,0.395070835139048,0.225592843401642,1.75125606460693,0.079901812046236,0.484153471970412
"2545","HLTF",163.941069079928,0.302502848365933,0.172856698023697,1.75002098168312,0.0801146933073743,0.48483304497996
"2546","KCNJ5",3.63507720184745,-1.43074853666664,0.817531032339148,-1.75008468189022,0.0801037025574348,0.48483304497996
"2547","PHKG2",47.6037593732654,-0.492754016598557,0.281560396391552,-1.75008283449533,0.0801040212872668,0.48483304497996
"2548","LMNB2",48.3270682681292,-0.500763953610054,0.286200965194294,-1.74969344799413,0.0801712248883502,0.48483304497996
"2549","YIPF2",213.632055220104,-0.381256064465512,0.217889461088474,-1.74976826580292,0.0801583086468035,0.48483304497996
"2550","SETD7",481.585701142907,0.315721298586955,0.180501010705066,1.74913867436917,0.0802670515109244,0.485222195702313
"2551","MMADHC",258.896403758328,-0.318678255532804,0.182229588746309,-1.74877338924608,0.0803301983798476,0.485413566454469
"2552","OSR2",1298.18337281448,0.644317664984429,0.368493077036529,1.74852040685843,0.0803739551145968,0.485487663828962
"2553","TOE1",35.1765924325803,-0.543709701624324,0.311143743648151,-1.74745503557084,0.0805584380285778,0.485587455108655
"2554","RPL5",10445.0483393804,-0.460204781828986,0.263484980382056,-1.74660726832203,0.080705485565253,0.485587455108655
"2555","RBM47",32.8310863961485,-0.657280238685431,0.376217570471369,-1.7470748053099,0.0806243630678315,0.485587455108655
"2556","CDK19",84.8898939359072,0.409906427869366,0.234583364567334,1.74738063214925,0.0805713347875149,0.485587455108655
"2557","FAM66C",24.0391043237165,0.603367905172397,0.345446109692569,1.74663395604416,0.0807008531866173,0.485587455108655
"2558","AC093525.6",9.824310250673,0.93040074849642,0.532619355863255,1.74683991156959,0.0806651112768786,0.485587455108655
"2559","CBX1",349.547793415064,0.258636572609477,0.147973723424008,1.74785473139966,0.0804891852204358,0.485587455108655
"2560","HSPA12B",143.52661244931,0.456700706254268,0.261345778402287,1.74749601484388,0.0805513355792863,0.485587455108655

"2561","TRIOBP",1074.06861514881,0.330803196063508,0.189393054937143,1.74664903194733,0.080698236449817,0.485587455108655
"2562","RAB33A",10.2976341058278,−1.06066218741513,0.607004168030643,−1.74737216526261,0.0805728025063386,0.485587455108655
"2563","STXBP3",207.959451444006,−0.352175165194197,0.201684904727797,−1.74616521583263,0.0807822471902003,0.48585967242955
"2564","CCDC167",119.094278439359,−0.522991689219311,0.299571374237713,−1.74579994684109,0.0808457202218253,0.486051785186988
"2565","FBXW5",329.345952637053,−0.297129306993529,0.170264999227072,−1.74509915920691,0.080967609918766,0.486594817504007
"2566","TNRC6A",535.206486172786,0.372043260247118,0.213216399214088,1.74490921720122,0.0810006726807782,0.48660380723858
"2567","MYLPF",4.87405514692746,−1.43176203278388,0.820782048674501,−1.74438760581578,0.0810915247407428,0.486959818417822
"2568","GALNS",70.357146473201,0.50991536917663,0.292604248102572,1.74267930996641,0.0813896476978857,0.488559742703625
"2569","MAP3K2-DT",13.3491782477924,−0.791878608181536,0.454496171976186,−1.74232184341264,0.0814521433088805,0.488690280778266
"2570","AC022966.1",8.21363388807799,1.10326346435022,0.63332745730099,1.7420111059955,0.0815065009329174,0.488690280778266
"2571","ZBTB33",46.9716988098724,0.424251217710025,0.243522261853766,1.74214552082629,0.0814829839933538,0.488690280778266
"2572","DNMT3A",69.8518183010329,0.444265758582622,0.255251422868699,1.74050257424481,0.0817708084478706,0.488754173022073
"2573","SMC2",116.032768239666,−0.288523749616428,0.165723273828832,−1.74099716322544,0.0816840757725494,0.488754173022073
"2574","VPS26B",156.610388158515,0.320959878233723,0.184312873609089,1.74138611128407,0.081615921059642,0.488754173022073
"2575","TMED2",855.003710938762,−0.286061578189882,0.164305309239846,−1.74103672920454,0.0816771405837378,0.488754173022073
"2576","FAM161B",30.7325511463988,0.624720295306318,0.358859865905055,1.74084748577486,0.0817103158004835,0.488754173022073
"2577","MEX3D",133.283384391963,−0.39190116188695,0.22503093559004,−1.74154349427277,0.0815883562189383,0.488754173022073
"2578","ARSA",169.484098867709,0.496497668392435,0.285069401039376,1.74167296308261,0.0815656860698905,0.488754173022073
"2579","BGN",377.738971301561,−1.26467036052667,0.726585897825896,−1.74056551924671,0.0817597660675858,0.488754173022073
"2580","ACOT7",21.8331844921937,−0.850708017951082,0.48930766478858,−1.73859532390251,0.0821059696289844,0.489040454712012
"2581","AKR1A1",525.650084665755,−0.457373363647298,0.263093092613326,−1.73844687104541,0.0821321039202409,0.489040454712012
"2582","FLAD1",42.5399371492829,−0.441663786691739,0.253867879855738,−1.73973874498309,0.0819049027133588,0.489040454712012
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"2584","DRAP1",676.816654177887,−0.446681597588238,0.256714127711618,−1.73999616448854,0.0818596914455312,0.489040454712012
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"2596","PARP8",42.4653985284198,0.585864766834829,0.337322377046703,1.73680967140142,0.0824207713881563,0.489312494923129
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"2619","RNF5",202.365113961094,−0.348761177349338,0.201711914093939,−1.72900633517818,0.0838079612497087,0.493279771922207
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"2714","AC120053.1",15.2873330510825,0.818168784629642,0.481759485273447,1.69829304796199,0.0894524661903596,0.508180209880753
"2715","HEATR5A",131.094995850322,0.418775388858537,0.246635855400775,1.69795015480633,0.0895171699345049,0.508253102961471
"2716","HPF1",307.756595691816,-0.39552367549758,0.233003550697544,-1.69750063599245,0.0896020509630842,0.508547722973469
"2717","CENPA",26.3681177589301,2.36667628559739,1.39453290594386,1.69711039123567,0.089675792023988,0.508591734381815
"2718","TNKS1BP1",323.06099243762,0.348833482351827,0.20554031522735,1.69715358257566,0.0896676281389025,0.508591734381815
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"2723","WDR11",192.019912569761,0.451514701986473,0.266340856272925,1.6952513718879,0.0900277453328228,0.509491010947208
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"2735","SEC14L5",11.3999737161126,0.885776897977467,0.523195234969417,1.6930140772961,0.090452787693654,0.509809770492752
"2736","PTPRH",10.6995082952638,1.05269480938977,0.621909093330597,1.69268277418509,0.0905158658452544,0.50997882748706
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"2751","TSR1",73.3493952369118,−0.362109009720026,0.21407064484386,−1.69153977176153,0.0907337584391583,0.510331911659202
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"2757","N4BP2L2-IT2",6.28348152104962,1.22905213335982,0.727869703795792,1.68856064066192,0.0913036587451254,0.510346046625653
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"2760","MRTO4",138.654455000199,−0.409398493001305,0.242566597175761,−1.68777769803424,0.0914539102431072,0.510604774120825
"2761","UTP3",105.705218174455,−0.334894222573698,0.198423887865544,−1.6877717001525,0.0914550620400647,0.510604774120825
"2762","NPFF",10.3746387634696,0.907180614851828,0.537563340332667,1.6875790196006,0.0914920694527748,0.510626448448415
"2763","SLC27A3",383.85416970957,−0.435912405126037,0.258755578246913,−1.68464930526087,0.0920562526544284,0.510951647592535
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"2772","MARCH3",168.614428789652,0.447545164949289,0.265297705002617,1.68695452885608,0.0916120957188148,0.510951647592535
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"2778","SECISBP2L",246.841384098846,0.363737615474025,0.215943362608054,1.68441211195837,0.0921020516531352,0.510951647592535
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"2780","BOLA2B",18.6726010566205,−0.851948557006177,0.506059842814943,−1.68349369961315,0.0922795580212532,0.510951647592535
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"2782","SLC13A3",7.7842106192106,−0.889458767789234,0.528255845537404,−1.68376512120632,0.0922270703681169,0.510951647592535
"2783","ICOSLG",14.3482620287908,−0.893856416113103,0.530468024699894,

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"2784","GPM6B",8.26493259611756,-1.0100486631437,0.599897222336825,-1.68370285031356,0.0922391102266001,0.510951647592535
"2785","TIMM23B",31.8044839852857,-0.554879824482018,0.329711305854988,-1.68292628923699,0.0923893616457683,0.511375946057278
"2786","LRRC8D",22.9033019042835,0.59456508506984,0.353393404260195,1.6824453368464,0.0924825163108752,0.511524215619714
"2787","NUDT14",42.4960979080448,0.658581400340915,0.391438349977698,1.68246519631619,0.0924786682792684,0.511524215619714
"2788","AKT3-IT1",2.86301910090853,1.83255842013382,1.08934878711291,1.68225130629707,0.0925201190286914,0.511548649507632
"2789","TMEM9B-AS1",15.3808258728534,0.791608191873567,0.470680010167356,1.68183941270865,0.0925999838442653,0.511623208229157
"2790","PTPN9",107.690876603191,0.369219950120368,0.219532404149166,1.68184715851558,0.0925984814471884,0.511623208229157
"2791","FRS2",143.11017617668,0.375475422245387,0.223358834572761,1.68104128481685,0.0927548957681881,0.512295492033901
"2792","MT1F",101.603198984828,-1.33727113396944,0.795861978264272,-1.68028021251367,0.0929028091403898,0.51274500640856
"2793","AC015912.3",39.2587656136359,-0.791895596837024,0.471275882314033,-1.68032277176736,0.092894532812283,0.51274500640856
"2794","AL590617.2",4.97995368140095,-1.35378812516552,0.805924680760308,-1.67979484619872,0.092997238261283,0.513082472368532
"2795","PELI1",53.2548170125762,-0.701040975785122,0.417387634502248,-1.67959210536063,0.0930367047556469,0.513116566657709
"2796","IGF1",1084.96237187884,-0.58766386926196,0.349979954712115,-1.67913579434959,0.0931255816003351,0.513382828533595
"2797","TMSB15B.1",18.8247312277803,0.746981401810872,0.44489599028256,1.67900232442296,0.0931515907498193,0.513382828533595
"2798","DACT3",20.9742420635035,-0.708833758281461,0.422283433143481,-1.67857344770761,0.0932352049846681,0.513660001729328
"2799","RPS6KC1",85.5799198776128,0.420332684764508,0.250576347854698,1.67746352903286,0.0934518754795028,0.514669760813339
"2800","RHBDD1",46.9858841059363,0.434603144291972,0.259302070682506,1.67604964799571,0.0937284682219533,0.514721887296548
"2801","PRDM5",83.1495787182644,0.36436680999015,0.217262718907355,1.67707930666892,0.0935269747174619,0.514721887296548
"2802","ACSL1",102.868034162805,0.425172879923394,0.253631284666852,1.67634241368081,0.0936711416261352,0.514721887296548
"2803","AC106739.1",32.3557265622736,-0.695269972102857,0.414781607142292,-1.67623144356144,0.093692867430275,0.514721887296548
"2804","VMO1",9.41090784277804,-0.889794837675418,0.530813849597076,-1.67628414057175,0.0936825498704762,0.514721887296548
"2805","RPL28",14122.9353253087,-0.366616360887461,0.21870288971128,-1.67632152172954,0.0936752315575146,0.514721887296548
"2806","ASPHD2",12.3967179197033,-0.685188699078963,0.408789679754946,-1.67613991500399,0.09371078999943,0.514721887296548
"2807","TSIX",40.2461137896334,0.948425874949318,0.565668624233942,1.6

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"2808","ZNF180",32.9738693764304,0.455368635812355,0.271733891273962,1.67578888918664,0.0937795512255867,0.51481901073448
"2809","CCRL2",3.90764558394616,−1.52905884809822,0.912882488125567,−1.67497883680281,0.0939383840244639,0.515285056254778
"2810","NSD1",198.268615345938,0.321253134193574,0.191808499862237,1.67486391074592,0.0939609358672404,0.515285056254778
"2811","PHIP",509.222166578807,0.326876150002825,0.195187896352132,1.67467428109947,0.0939981562237065,0.515285056254778
"2812","PEG3",62.2572684626238,0.629851674801743,0.376082210134308,1.6747712543404,0.093979120916145,0.515285056254778
"2813","AC104984.3",5.1031474983168,1.28793807761777,0.769375461579597,1.67400462054446,0.0941296912706064,0.51582267719033
"2814","ZNF736",32.132345970054,0.514759454394259,0.30759994597804,1.67347056176339,0.0942346970947397,0.516214589806472
"2815","WTAP",491.860826228535,−0.364327680615375,0.217766180142719,−1.67302232319363,0.0943229015474731,0.516332274296497
"2816","HK1",116.219028045335,−0.360957822679562,0.215756506251466,−1.67298696549555,0.0943298620558437,0.516332274296497
"2817","KRT27",37.7004310606152,1.01568507808355,0.607158189757104,1.67285082408239,0.09435666666839,0.516332274296497
"2818","RABAC1",1823.39536177637,−0.410919056309329,0.245691830281602,−1.67249784349097,0.0944261927541513,0.516529368809525
"2819","SLC4A11",5.07710313247278,1.87101398589093,1.1188513449587,1.67226324955618,0.0944724230985555,0.516598936525092
"2820","DCTN5",103.990137550743,0.314196494603467,0.187956201792877,1.6716473923521,0.0945938735658661,0.517076608266241
"2821","ZC3H4",85.2485722090041,0.427472742155646,0.255745021274316,1.67148021113237,0.0946268642179089,0.517076608266241
"2822","WDR26",185.286686307366,0.349509360800493,0.209159605249383,1.6710175006487,0.0947182211209986,0.517209131625998
"2823","ZBTB7C",21.044923175348,0.703572436641006,0.421013343848829,1.67114046839721,0.0946939356498614,0.517209131625998
"2824","ADSS",221.347452395527,−0.346826670660217,0.207577514419229,−1.67082967358284,0.0947553255933187,0.517228521253898
"2825","NBEA",22.6025836504803,0.782785252899386,0.468596212255215,1.67048992805996,0.094822470525243,0.517356589183421
"2826","ADRM1",286.503943340465,−0.419014233607922,0.250850943708295,−1.67037136641262,0.0948459111924974,0.517356589183421
"2827","EAF1",48.2388562932385,−0.407052035781448,0.243749635782101,−1.66995956517174,0.0949273639448446,0.517617727346933
"2828","MYCBP",25.2855608254822,−0.593739280520295,0.35584595479637,−1.66852895899873,0.0952107681391479,0.517924717245849
"2829","RGS16",366.284850063736,−1.0387370825037,0.62293316310809,−1.66749363177434,0.0954162896493028,0.517924717245849
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"2870","MRPL28",193.360792884085,−0.441799013351447,0.266263359445874,−1.65925576193016,0.0970642654520226,0.52133994841217
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"2872","NOTCH2NLA",33.3904825244242,0.668043438588288,0.403054060299416,1.65745368770636,0.0974277847244059,0.522502024703074
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"2906","ZNF304",15.9435207395342,0.719570379137302,0.436657466947119,1
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"2908","CHMP3",682.238456140211,−0.361773252324923,0.21976245876031,−1.64620133195498,0.0997223151434396,0.527452451441018
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"2911","EBF3",347.846074712217,0.407136476928804,0.247312158191431,1.64624529544424,0.0997132671542133,0.527452451441018
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"2913","STX4",389.99091896047,−0.311907276092722,0.189512408628202,−1.64584091538113,0.0997965160522996,0.527452451441018
"2914","CDRT4",15.6848476570412,0.658360092685223,0.399995727442077,1.64591781241103,0.0997806811507854,0.527452451441018
"2915","ACACA",45.4039576897838,0.47456605900907,0.288383606520167,1.64560692175088,0.0998447131563342,0.527452451441018
"2916","SGSH",67.4864990421991,0.417858152736341,0.253903134342272,1.64573845777363,0.0998176175903147,0.527452451441018
"2917","ZNF737",66.730516458312,0.49081900060323,0.298070127538624,1.64665612302806,0.0996287476511844,0.527452451441018
"2918","ZMYM3",44.6056171401814,0.464553107414909,0.282104873801974,1.64673903415439,0.0996116972888086,0.527452451441018
"2919","LRCH3",198.906149764501,0.359073457165454,0.218307189891638,1.64480820509708,0.100009369574083,0.527812470411869
"2920","RWDD1",1091.06015675885,−0.353384505635267,0.214870959359609,−1.64463595587081,0.100044907331002,0.527812470411869
"2921","INTS10",208.485072864409,−0.263534416611018,0.160206084753191,−1.64497133187551,0.0999757232047825,0.527812470411869
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"2923","RASSF5",82.6693507648448,0.470178788231412,0.28607747625063,1.64353654958663,0.100271969647387,0.528261248159425
"2924","FAM71A",21.6652283618368,1.016441007564,0.618350642744894,1.64379388861304,0.100218784170924,0.528261248159425
"2925","TNNI2",2.44789024044533,−1.54343189186696,0.938928899573033,−1.64382190447947,0.100212995356807,0.528261248159425
"2926","COTL1",507.679233514771,−0.413652652041245,0.251679282183555,−1.64357053330898,0.100264944781102,0.528261248159425
"2927","TPM2",389.278325555195,−0.502398311893151,0.305731515054013,−1.64326635350102,0.100327836566912,0.528374991690792
"2928","STXBP5",87.450400197301,0.482971672513744,0.2939690137962,1.64293394829896,0.10039660015178,0.528556554419291
"2929","NCK1",283.590206576922,0.267485234054023,0.162873079932067,1.64229247807918,0.100529405213621,0.529075036315453
"2930","ADCY3",366.440224484364,0.402039479070628,0.244879639665288,1.64178401936622,0.100634772043432,0.529123778073707
"2931","MFSD1",151.755089348938,−0.334241417034719,0.203572769752251,−1.64187684552061,0.100615529310111,0.529123778073707

"2932","CTTN",602.185584795715,-0.249994704223181,0.152288582242978,-1.64158534107509,0.100675967634783,0.529123778073707
"2933","NAALAD2",47.8551101937311,0.510989279214081,0.311271306424848,1.64162024788961,0.100668728795681,0.529123778073707
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"2935","TNRC6B",936.996426936013,0.341238285739418,0.207924393822242,1.64116523062296,0.100763121045145,0.529220957720922
"2936","PYGB",117.757527846878,-0.393877908277785,0.240038915861654,-1.64089188148473,0.100819860576194,0.529338607214585
"2937","AC023157.3",18.7608990996534,-0.852419775714867,0.519582453739798,-1.64058614677883,0.100883352591159,0.529491617362178
"2938","BAZ2B",334.219679398604,0.454341877952081,0.277093063051905,1.63967250911285,0.101073277858706,0.529521956345729
"2939","PTPRG-AS1",8.5161409265168,1.03874292681842,0.63328969710652,1.64023342170953,0.100956642683873,0.529521956345729
"2940","ACTRT3",9.21542438320597,-0.876271044569071,0.534504564320484,-1.63940797340632,0.10112832218479,0.529521956345729
"2941","NCOA4",292.786466185825,0.231780012301608,0.141387091244933,1.6393293776734,0.101144680907104,0.529521956345729
"2942","ATXN3",288.706561154253,0.32836444087158,0.20024576115294,1.63980719981776,0.101045260722546,0.529521956345729
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"2945","PIAS2",104.730216721989,0.410522251236867,0.25039376447377,1.63950668699608,0.101107779167257,0.529521956345729
"2946","ARHGAP35",168.734047769019,0.300260751095672,0.183183920806416,1.63912176229146,0.10118790360011,0.529521956345729
"2947","CDHR4",7.77565287592732,-1.01068976227077,0.616748440342045,-1.63873906468292,0.101267614580756,0.529583764573203
"2948","CCND2-AS1",12.586927580346,-0.823567934601206,0.502578457457672,-1.63868530849349,0.101278815307285,0.529583764573203
"2949","RGS10",338.886474158842,-0.471504965276507,0.287815716248301,-1.63821827182549,0.10137616935414,0.529913072429323
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"3133","TIMP2",6595.61151507241,0.21049141516052,0.132424522103605,1.5895199153208,0.111943061473185,0.550683077168128
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"3142","ABI1",247.646493441807,0.315185449677226,0.198559841714562,1.58735747850927,0.112431704010914,0.551426406775782
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"3146","PARD3B",174.365493519296,0.393348190099657,0.248023860581314,1.58592882627395,0.112755455857239,0.552136388830793
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"3150","CD320",118.301611121128,-0.50754694754975,0.320097110296159,-1.5856030286564,0.112829388781204,0.55228713023777
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"3155","TPT1-AS1",196.648810877385,0.356515593148824,0.225036942184622,1.58425363270505,0.113136012763409,0.55262911727399
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"3160","ROMO1",624.936088789268,-0.383264724696569,0.24203872961334,-1.58348511128297,0.113310937539129,0.552762428949192
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"3164","ST7-AS1",31.0104254801329,-0.601106121040237,0.379835364338038,-1.58254385314496,0.113525469494324,0.553095800333441
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"3172","STAT2",253.283473764563,0.458933812102136,0.290362102997208,1.58055685423435,0.113979397600016,0.55389253733908
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"3243","LINC02381",268.512397741522,0.36681914381008,0.234215847586228,1.56615851399652,0.117311512240859,0.557618551092457
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"3263","LINC01686",14.5214920794328,−0.720724914517551,0.462413134450968,−1.5586168748716,0.119087086607681,0.561783283805972
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"3286","COPE",830.751504948193,−0.435904824742541,0.280328709188239,−1.55497746201169,0.119951437115253,0.562705843923196
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"3507","ZNF160",94.828120711102,0.359197201053202,0.238475504814976,1.50622262580758,0.132010033040325,0.580249403854181
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"3567","ARHGAP30",9.12549723214677,-0.848809089124419,0.569033866474394,-1.49166708544686,0.135786441880009,0.586315966829227
"3568","MMAA",30.8484086694979,0.457469330354169,0.306680473678195,1.49168065663743,0.135782882407422,0.586315966829227
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"3596","GPR108",214.770482335287,−0.296173620750995,0.199265060670957,−1.48632991530844,0.137191877635214,0.588106470956599
"3597","IDS",460.673654542415,−0.337533015172864,0.227150774120666,−1.48594261445731,0.137294300496264,0.588376881331639
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"3622","SMAD6",66.009850933014,0.555748874792178,0.374514956417499,1.48391637041231,0.137831108335324,0.58842352187715
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"3633","BEX3",876.283239419175,0.427317749276257,0.28800680874372,1.48370710796807,0.137886639766567,0.58842352187715
"3634","AL034417.3",31.5855533080407,1.59295333776572,1.07598103950574,1.48046599268836,0.138748929792829,0.588491359918137
"3635","PAM16",138.148273138807,-0.36576666692832,0.247076112203147,-1.48038053402583,0.138771721913878,0.588491359918137
"3636","C2orf49",156.686020672003,0.28973605699447,0.195806494570142,1.47970606200031,0.138951707143221,0.588524869078248
"3637","PLPP5",143.335875386676,-0.362894525136394,0.245238431875869,-1.47976205181445,0.138936759225731,0.588524869078248
"3638","ZNRD2",163.46864362452,-0.400318824576511,0.270475005934096,-1.48005847414254,0.138857642311931,0.588524869078248
"3639","AC004803.1",3.27861587121943,-1.15397067501752,0.779708732843934,-1.48000224495176,0.138872647556017,0.588524869078248
"3640","SLC46A1",21.587205058832,0.597615016603405,0.403893371872872,1.47963561232074,0.13897051725234,0.588524869078248
"3641","PLSCR3",142.34378124619,-0.278898821093595,0.188535482959763,-1.47929088315496,0.139062588433353,0.588753035072821
"3642","REL",99.917021516993,-0.408596020802152,0.276303167948168,-1.47879600453514,0.139194844034836,0.589151158922845
"3643","TRRAP",92.6837484183857,0.3121143451302,0.211098782181443,1.47852271768168,0.139267921049962,0.589298655774133

"3644","TBC1D24",57.08487025278,0.384465395401272,0.260087053669559,1.47821811957521,0.139349405510074,0.589481637194784
"3645","RSPH3",20.0947323520506,-0.793109333893349,0.536597643098172,-1.47803357710285,0.13939879117887,0.589528769827787
"3646","SH3D19",837.619530643682,0.268430287453424,0.181636082251882,1.4778467148459,0.139448811375833,0.589578559341322
"3647","TSEN15",59.9662912358118,-0.468828016378553,0.317374912830015,-1.47720565623174,0.139620518068782,0.590142661373805
"3648","FABP3",59.1406185108668,-0.566109498644022,0.383269158636267,-1.47705466481657,0.139660984585112,0.590151885246575
"3649","TRIP12",274.721994820899,0.354059423484289,0.239775743198615,1.47662736339016,0.139775552598119,0.5903123680274
"3650","LRRC20",18.4603905165068,0.576812650015412,0.390615847887909,1.47667498165854,0.139762781613365,0.5903123680274
"3651","FHIT",46.3516985311564,0.559379097037928,0.378904098673936,1.4763078546672,0.139861266491376,0.590512578188049
"3652","MYSM1",139.454705560466,0.388011000043441,0.263015148171488,1.4752420259477,0.140147486501661,0.591293730058535
"3653","ZNF507",82.5744948088656,0.365218632956721,0.247577782901245,1.47516723300814,0.140167588471009,0.591293730058535
"3654","ZFP30",30.3413012515926,0.65078273908605,0.441194361912996,1.47504772333057,0.140199713484525,0.591293730058535
"3655","RBBP9",50.6580936817552,0.353805437507889,0.239801274476882,1.47541099720885,0.140102080552331,0.591293730058535
"3656","MAGOH",351.042213531977,-0.369173790383654,0.250348472423925,-1.4746396764847,0.140309441933948,0.591419242868403
"3657","ZP3",2.35794100725346,-1.39158322486965,0.943638748832585,-1.47469911191251,0.140293454960792,0.591419242868403
"3658","C9orf92",6.82709895320236,-1.20457176547163,0.816930716786462,-1.47450908714759,0.14034457284545,0.591419242868403
"3659","AHI1",410.14330677315,-0.339787177528346,0.230491671030365,-1.47418419073192,0.14043200525715,0.591625952729973
"3660","SNAPC5",126.525944718943,-0.358252438880887,0.243085414969116,-1.4737718382915,0.14054303315299,0.591931927883427
"3661","C4orf46",49.7474175350806,0.530339271048197,0.359972330667011,1.47327787684543,0.140676123523642,0.592167001504178
"3662","AP4M1",83.3069375453269,-0.326073815568557,0.221331537783403,-1.4732370218638,0.140687135612481,0.592167001504178
"3663","PRKX",29.1417167424989,0.56756418335374,0.385275893593513,1.47313702412057,0.140714091891651,0.592167001504178
"3664","EFNA3",4.73465744439309,-0.976133002825129,0.66275852514896,-1.472833567257,0.140795918729566,0.592349641707495
"3665","TEX10",39.7620839270669,0.382067246237294,0.259456752238431,1.47256620974809,0.140868041723989,0.592491367851376
"3666","AL035071.1",29.9670155387731,0.623287502921777,0.423319904108756,1.47237939173691,0.140918455048498,0.592541730652646
"3667","LINC00242",4.80454497029079,-1.09672649575999,0.745021864098029,-1.47207289961585,0.14100119278375,0.592727948394195
"3668","ZNF385B",67.3296645162835,0.70340778670518,0.477928138664814,1.47178567194283,0.14107876396071,0.5927307556733263

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"3670","FIS1",1048.9376296685,-0.376811710379815,0.256109617783966,-1.47129074511237,0.141212505114549,0.592969426951994
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"3672","GTF2E1",29.5641273687663,0.459983413454089,0.312796311121693,1.47055255160964,0.141412163815787,0.593484482771672
"3673","EYA1",3.70121956204609,1.90465340553517,1.29507317363713,1.47069172947662,0.14137450388664,0.593484482771672
"3674","UNC93B1",72.3122509496254,-0.368544295477848,0.250744368638852,-1.46980088716833,0.14161568882328,0.594072140722509
"3675","COX6A1",1171.36496699667,-0.351100023074207,0.238884053310598,-1.4697507774523,0.141629264817076,0.594072140722509
"3676","YWHAB",1802.21502370308,-0.267066205755636,0.181742916107941,-1.46947243653238,0.141704692639634,0.594226832709455
"3677","CCNL2",229.619332133215,0.351810965516995,0.239588751763337,1.46839516850319,0.141996913228361,0.595290295734344
"3678","AL117339.4",4.96884464717095,1.30265091152668,0.887450380794068,1.46785774136589,0.142142869082888,0.595416393182806
"3679","AL731569.1",2.82685160132481,1.39490977368299,0.950219649924309,1.46798666370887,0.142107845519225,0.595416393182806
"3680","DEF8",145.699726753011,-0.368616500955859,0.251081599406921,-1.46811435735063,0.142073162282846,0.595416393182806
"3681","AFF4",529.159197659803,0.378296567861441,0.257914407388801,1.46675236832026,0.14244343130633,0.595469949107624
"3682","TUBB2A",425.528606560776,-0.504094265884791,0.343684376445955,-1.46673605328714,0.142447871181751,0.595469949107624
"3683","FKBP9",970.910798305006,0.312994634331646,0.213396457827636,1.46672834927962,0.142449967741156,0.595469949107624
"3684","EXT2",264.000615423328,0.273942818181661,0.186686560613393,1.46739442454546,0.142268790318266,0.595469949107624
"3685","CIB1",578.824173447332,-0.311183097965413,0.212169195737224,-1.46667425911733,0.14246468844041,0.595469949107624
"3686","AC005632.6",2.42733790389181,1.70849242885419,1.16474135613648,1.46684276286141,0.142418833802225,0.595469949107624
"3687","CCDC124",307.086861254679,-0.370228843376633,0.252274870707222,-1.4675613244345,0.142223420043106,0.595469949107624
"3688","CFAP410",151.169145295926,-0.362775575198273,0.247331786739844,-1.46675678035617,0.142442230659547,0.595469949107624
"3689","SOAT1",125.643903531668,0.37314908324314,0.254446759135504,1.466511440393,0.142509006790582,0.595483190095074
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"3736","GARNL3",34.4638669622627,-0.458175173478151,0.314207916536154,
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"3737","ADIRF-
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"3743","LSM7",580.80380756716,-0.383874159893623,0.263134909444558,-1.45884922948433,0.144606609500689,0.596753721267641
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"3750","AP001627.1",6.61814114508844,1.01204373793422,0.694711216532895,1.45678335666586,0.145176191503694,0.596753721267641
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"3753","SH3BP5",1511.8255555436,0.224165923329292,0.153937790171211,1.45621112970359,0.14533426376094,0.596906387087457
"3754","ESR2",4.4324045145123,1.35276586100816,0.929031445635403,1.45610341540479,0.145364033546955,0.596906387087457
"3755","ST8SIA1",127.312427324,0.559952674670097,0.384640131003903,1.45578328815725,0.145452537011236,0.597110747810442
"3756","HIPK1",175.551197593378,0.333991789886702,0.229488398602711,1.4553754870411,0.14556533884249,0.597371140914487
"3757","CMYA5",87.7241848872732,0.651678067013966,0.447854725070087,1.45511039748879,0.145638701154416,0.597371140914487
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"3761","ZNF333",56.2781998713219,0.42657137876587,0.293307100005269,1.45435067462808,0.14584910776839,0.597783567204641
"3762","DLD",130.069981442605,0.310143717749975,0.21327560932696,1.45419215412726,0.145893039633484,0.597804679944218
"3763","IFNGR2",563.917772487894,-0.258348648713611,0.17769988692943,-1.45384813225125,0.145988415598991,0.598036520451356
"3764","WDR6",111.348642143438,0.302173223934458,0.207923284446199,1.45329189436042,0.146142726874798,0.598350633406377
"3765","PSMC3",541.137062629731,-0.320348483981948,0.220423641473854,-1.4533308761254,0.146131908504654,0.598350633406377

"3766","SPRYD3",344.257699785027,-0.259316041585799,0.178547610113545,-1.45236355401727,0.146400544615472,0.599111887823325
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"3768","NCKAP1",391.122384565674,0.2500599631273,0.172227969084664,1.45191262752669,0.146525900964483,0.599158688422716
"3769","NBR1",262.719928215345,0.255581578923177,0.176006649380701,1.45211320039595,0.146470132111878,0.599158688422716
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"3771","AC073140.1",3.42868918161343,1.27010107971889,0.875047361805636,1.4514655265037,0.146650274900362,0.599473345953083
"3772","TUBA4A",23.0098343988446,0.657387797727391,0.452997906626101,1.45119389761329,0.14672587566863,0.59962337577729
"3773","ANAPC7",83.916322474084,-0.291849472124883,0.201177712279954,-1.45070479635812,0.14686207931812,0.599963233303138
"3774","LINC00685",27.5548977243513,0.701873503692774,0.483845215314824,1.45061577851108,0.146886879175222,0.599963233303138
"3775","CCN2",2350.35084256542,-0.483087297592255,0.33323364799636,-1.44969543290998,0.147143469898423,0.600156416014425
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"3777","MFSD14C",92.7895374356713,0.337554690265903,0.232904067869205,1.44932930263574,0.147245641606653,0.600156416014425
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"3779","CFL2",316.484689305523,0.299951383535414,0.206905154727102,1.44970473998598,0.14714087338787,0.600156416014425
"3780","CTSH",774.739226621737,0.562251931068695,0.387904241235303,1.4494606433747,0.147208983640536,0.600156416014425
"3781","CRLS1",135.07680153126,-0.278472852530349,0.192050529582946,-1.44999783721022,0.147059122338252,0.600156416014425
"3782","VAMP7",112.40247397978,0.2578950642665,0.177843126162902,1.45012669216279,0.147023192944228,0.600156416014425
"3783","FTSJ3",133.593730581162,-0.356680522490574,0.246139572788983,-1.44909864939254,0.14731003516141,0.600260161779841
"3784","PRXL2B",12.2510028518926,0.715641421559353,0.493969217588462,1.44875712104711,0.14740542225886,0.600331462119083
"3785","ATG14",122.335853806496,0.411919884160327,0.284299297375023,1.44889518885078,0.147366854952606,0.600331462119083
"3786","AL590822.3",3.67938540082745,-1.12118770161951,0.774124719993635,-1.44832954259455,0.14752490925432,0.600337402293834
"3787","CHTOP",178.660187916984,0.249967591195208,0.172620215589055,1.44807831656455,0.147595149005514,0.600337402293834
"3788","AC008906.1",4.84874074192771,1.16339797463867,0.803418097375543,1.44806045375259,0.147600144204172,0.600337402293834
"3789","SORBS3",436.475957061141,-0.211035578927315,0.145716168772061,-1.44826466894989,0.147543044691968,0.600337402293834
"3790","RAB31",194.078430890294,-0.319312468903026,0.220511250521138,-1.44805522688021,0.147601605883466,0.600337402293834

"3791","TOLLIP",138.535548742163,0.275263015554216,0.190150359063607,1.44760713000883,0.147726955972603,0.600688743423284
"3792","BTBD2",204.984315255177,−0.240368318816064,0.166062895036327,−1.44745350105743,0.147769950675937,0.600705113309487
"3793","PTDSS1",78.5556420638746,−0.292526233618719,0.202140339762646,−1.44714426601936,0.147856522400091,0.60074019314639
"3794","ZNF264",165.347056428064,0.322239739166749,0.222670775743734,1.44715775157494,0.147852746250811,0.60074019314639
"3795","PAAF1",85.1534990296848,0.322409002955682,0.222820307744638,1.44694622415286,0.147911985455667,0.600807182028748
"3796","SH3BP4",69.4548372388299,−0.448004732254988,0.309722731901647,−1.44647029781867,0.148045337068277,0.601184289823502
"3797","AL137026.1",52.5150103568548,0.49275248251285,0.340722823141779,1.44619746329059,0.148121825024305,0.601184289823502
"3798","CNIH1",376.641898958534,−0.271485936275583,0.187721925206428,−1.44621325387029,0.148117397382057,0.601184289823502
"3799","DERL1",263.317953296571,−0.273987956655335,0.189483000133351,−1.44597645415426,0.148183806089914,0.601277539056598
"3800","TSTD2",75.8551172719098,0.345324184187759,0.23886545170741,1.44568493149336,0.148265592671982,0.601451081852265
"3801","SYNPO2",88.3921320019105,0.560710359271006,0.387987016108594,1.44517815285362,0.14840785130891,0.601869778460102
"3802","AL391001.1",4.14579575605964,1.15172434149136,0.797064518139337,1.4449574849724,0.148469827910506,0.601899295490608
"3803","AC021739.2",3.97369540555297,1.23513898095233,0.854841877840988,1.44487420769772,0.148493222234887,0.601899295490608
"3804","CCDC80",14946.9866343561,−0.386557054880517,0.267634963041703,−1.44434438044735,0.148642127703317,0.602163318876837
"3805","ARFGEF1",154.707696246267,0.290305241593179,0.201039644392626,1.44401987215128,0.148733385528724,0.602163318876837
"3806","UBTD1",45.8805375479732,−0.560889162031065,0.388432224100284,−1.44398205717932,0.148744022591197,0.602163318876837
"3807","TPP2",154.39614935931,0.279309406125537,0.193432415909354,1.44396379899647,0.148749158686352,0.602163318876837
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"3809","CTNNBIP1",98.3491680519176,−0.336215159426366,0.23340258035605,−1.44049461198534,0.149727513307985,0.602472621745024
"3810","BCL10",170.338302615477,−0.310164528122834,0.215295907971341,−1.44064293207152,0.149685584960978,0.602472621745024
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"4095","POGZ",232.182581211285,0.264643062306726,0.190065899849129,1.39237528939592,0.163808783256839,0.616156359033465
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"4101","SEMA6D",9.37398104263903,1.00592270013364,0.722840534102108,1.39162464288637,0.164036092538502,0.61658531248013
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"4103","ERCC5",167.019156193718,0.310954812348463,0.223553692885806,1.39096253939899,0.164236786587701,0.61703876803544
"4104","RTN4",3853.06921238222,−0.218952497770709,0.157442303298534,−1.39068403588801,0.164321260656377,0.617109927956819
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"4106","DNAJC11",48.1458808841177,0.351889523425266,0.253091658142227,1.39036397330614,0.164418380594741,0.61726968749828
"4107","MCU",84.5546588380087,0.349461244304515,0.251390013586152,1.39011585750503,0.164493698712661,0.61740208562349
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"4123","OTUB2",3.3474579319068,1.45488186962362,1.04871316886284,1.38730199335744,0.165349695542838,0.617919149969862
"4124","NEDD4",86.7594995415588,0.311586636073742,0.224649504786291,1.3869900864912,0.165444785771924,0.617919149969862
"4125","TSR3",335.954861987537,-0.323992268199206,0.233601660424682,-1.38694334453872,0.165459039413366,0.617919149969862
"4126","CARHSP1",901.711607702911,0.33073132196742,0.238074168785092,1.38919448361477,0.164773618712878,0.617919149969862
"4127","C16orf86",51.2435792952801,0.481408389502121,0.347254846185524,1.38632590672305,0.165647409623544,0.617919149969862
"4128","KRT25",9.9229472289944,1.21109826250806,0.872515877255146,1.38805297883869,0.16512091331398,0.617919149969862
"4129","CEBPA",120.017336993203,-0.410238107768274,0.295305823455896,-1.38919748675238,0.164772705755863,0.617919149969862
"4130","Z95331.1",29.2660836099373,0.792781947854574,0.571893120231015,1.38624144933643,0.165673188735155,0.617919149969862
"4131","SH3KBP1",323.687407094298,0.238676047546297,0.17198366061241,1.38778327369243,0.165203049575909,0.617919149969862
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"4133","LINC00629",4.25832010251725,1.06964226151907,0.771039047840443,1.38727378920038,0.165358292378432,0.617919149969862
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"4135","COX20",307.020459786012,-0.32950007189759,0.238454325970574,-1.38181628937296,0.167028116125582,0.618250705587772
"4136","CRIM1-DT",42.9227974133344,0.601517823818044,0.434446007398094,1.38456289981935,0.16618616238519,0.618250705587772

"4137","HAAO",35.2463253924365,0.483511759901225,0.349190570162566,1.38466442457517,0.166155101981354,0.618250705587772
"4138","LBX2-AS1",31.1600549500958,0.418062436714796,0.302094363230937,1.3838802956916,0.166395111140676,0.618250705587772
"4139","PAX8-AS1",124.560997241671,-0.712774285497131,0.516108197567744,-1.38105592752879,0.167261765183965,0.618250705587772
"4140","PDCD6IP",351.791869261115,0.181817828233668,0.13156215444686,1.38199187295239,0.166974196508265,0.618250705587772
"4141","SELENOK",707.109783158378,-0.267524531282195,0.19330492256382,-1.38395095031204,0.166373474224724,0.618250705587772
"4142","ZBED3-AS1",7.05741677438642,0.896950447462487,0.648430992616514,1.38326276454363,0.166584310842703,0.618250705587772
"4143","SRFBP1",152.439060862816,-0.312132711798675,0.225289219892165,-1.38547557645269,0.165907095587409,0.618250705587772
"4144","PCDHGA8",13.6559520495174,0.813575537065987,0.589242549635153,1.38071416867254,0.167366863082567,0.618250705587772
"4145","DCTN4",125.072284532773,0.294076121000774,0.212546507053123,1.38358482140228,0.166485618627949,0.618250705587772
"4146","FBXL4",98.5291156833784,0.342442179608987,0.247733630858236,1.38229992602396,0.166879628703717,0.618250705587772
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"4149","PEBP4",10.8362929046125,0.689694987106093,0.499469747991418,1.38085437582487,0.167323740490686,0.618250705587772
"4150","AC090578.1",6.98280911743483,0.993355108749397,0.719311953429979,1.38097956528133,0.167285243847415,0.618250705587772
"4151","SIT1",4.25220255848096,1.13842664807577,0.821837319692992,1.3852214067147,0.165984776978509,0.618250705587772
"4152","SEC16A",104.979437341347,0.294722296196375,0.213321452990439,1.38158770280636,0.167098331930868,0.618250705587772
"4153","CREM",130.860750210514,-0.332025258563648,0.240150369728566,-1.38257233973416,0.166796035207253,0.618250705587772
"4154","INPP5F",34.7792956942609,-0.438836859630245,0.31720450514072,-1.38345090475801,0.166526651165799,0.618250705587772
"4155","UEVLD",72.1288842021221,0.341542843790707,0.247281647156964,1.38118961806296,0.167220666081893,0.618250705587772
"4156","PTPRJ",17.2588364424303,0.610348481065155,0.441924039796889,1.38111626908931,0.167243214060756,0.618250705587772
"4157","EMSY",72.8080400367369,0.323131598900557,0.233253959306965,1.38532096029852,0.165954347356206,0.618250705587772
"4158","KATNAL1",149.596281341907,0.219650121643054,0.158749287985877,1.38362901925327,0.166472077917181,0.618250705587772
"4159","COL4A2",637.720903440083,-0.385224820486066,0.278713954553428,-1.38215117755154,0.166925287290291,0.618250705587772
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"4162","HOMEZ",22.4751804149845,0.491544061378336,0.355922321120271,1.38104308780409,0.16726571276752,0.618250705587772
"4163","ADSSL1",11.3883232788946,1.05364677392703,0.762816135624902,1.38125915895038,0.167199290844313,0.618250705587772
"4164","TUBGCP4",96.8993102299089,0.290093442692333,0.209406139441207,1.38531488840985,0.165956203174033,0.618250705587772
"4165","RPL4",4007.86229292524,−0.23540286612836,0.169977684693482,−1.38490453351484,0.166081660614462,0.618250705587772
"4166","CDR2",102.505912416228,−0.33098464717612,0.23942193508204,−1.38243242860227,0.166838964726166,0.618250705587772
"4167","FBRS",93.1970722974177,−0.264590971479822,0.191389222143311,−1.38247581821352,0.166825650421634,0.618250705587772
"4168","SLFN13",12.8696784864037,0.692010369944094,0.50026180049774,1.38329644449281,0.166573987784065,0.618250705587772
"4169","ZNF260",60.6797799169346,0.323917651104324,0.234522465703757,1.38117962444369,0.167223738054765,0.618250705587772
"4170","EIF3D",677.345633778582,−0.336775739113797,0.243908295369831,−1.38074737721878,0.167356648593864,0.618250705587772
"4171","DMC1",4.86472675822018,−0.941446829405354,0.680441789046615,−1.38358173257471,0.166486564970091,0.618250705587772
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"4173","G6PD",142.403186601716,−0.292933598543879,0.211983708441808,−1.38186844968935,0.16701209695024,0.618250705587772
"4174","LRIG3",243.035874279973,0.280868016404942,0.203458557913518,1.38046794042612,0.167442614090961,0.618382342168704
"4175","AADAT",24.5941765143865,0.521944820695325,0.378145743577473,1.38027421849954,0.167502229867907,0.618454340937433
"4176","HTRA2",184.739651697203,−0.330555229225327,0.239558311517878,−1.37985289314689,0.167631943123671,0.618488847116178
"4177","PLIN1",4.35621981983016,−1.17065167912962,0.848381094811519,−1.37986535330528,0.167628105937719,0.618488847116178
"4178","ZNF630",4.32491131193227,1.00783147900527,0.730273933777926,1.38007319224918,0.167564110325387,0.618488847116178
"4179","MESD",566.722514337269,0.226461310716351,0.164144206905608,1.37964851142495,0.167694893206736,0.618573050677634
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"4280","APOL3",310.762458759656,0.260554432459049,0.19178446605389,1.35857943982718,0.174279893936525,0.627692655381201
"4281","CAPZA1",358.960053861217,0.250156090172343,0.18427858352559,1.35748867495286,0.174625989484581,0.627873643727822
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"4300","SETD5",321.8035914236,0.270281866231438,0.199600764219141,1.35411238172764,0.175700526556356,0.629440080613154
"4301","POU5F1",2.6197375236684,1.31848371771148,0.97356546928215,1.35428356829834,0.175645926408591,0.629440080613154
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"4797","CCT4",479.37591284521,-0.237637102856413,0.187772482459377,-1.26555872161845,0.205671112411611,0.660917281180944
"4798","AC010896.1",7.93549784713681,0.875248769549235,0.691657706897023,1.26543630009684,0.20571496952197,0.660920436678026
"4799","CKAP4",428.46714501855,0.291177335055357,0.230140619353319,1.26521487546852,0.205794311431316,0.660959583934626
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"4801","PUF60",310.244563839266,−0.3046168567976,0.240883068392968,−1.26458392791916,0.206020517444122,0.661374344123181
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"4803","CA12",247.877733641376,−0.461370951679803,0.364904657500003,−1.264360271093,0.206100745770915,0.661470538425702
"4804","PCGF1",62.1797655530225,−0.261121269611963,0.206638140879085,−1.26366443533171,0.206350495342515,0.661858694487071
"4805","CD2AP",111.444820566864,0.26548859631216,0.210081992849415,1.26373799444325,0.206324083101201,0.661858694487071
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"4815","CAST",2067.35300861996,−0.265044689046455,0.210065266409952,−1.26172543217691,0.207047602245498,0.662578116797664
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"4818","ANTXR1",684.938040107722,0.301826230692266,0.239247566310901,1.2615644762716,0.20710554555442,0.662625982715107
"4819","SYAP1",370.285316790232,−0.193959752583407,0.153812580883457,−1.26101357554341,0.207303956086334,0.663123154818603
"4820","TTLL3",210.731799322222,0.300773327634873,0.238665953124337,1.26022720751535,0.207587410606808,0.66389210259418
"4821","CERS2",441.171427147816,−0.264721657522805,0.210149273678822,−1.25968390415371,0.207783414102498,0.664105604061788
"4822","VPS54",71.6240531374401,0.262174178155858,0.208112981871588,1.2597684959299,0.207752887740083,0.664105604061788
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"4824","CTDSP1",435.637500424527,−0.204456791831394,0.162400367029429,−1.25896754774171,0.20804205376877,0.664106079694676
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"4837","ZNF254",113.215621403352,0.266283294340652,0.211788240436874,1.25730915839032,0.208641708952669,0.664925723421579
"4838","TRIM35",35.0885901715338,−0.375154836828697,0.298442843533561,−1.25704082023502,0.208738854673796,0.665082324270319
"4839","C12orf57",1943.65282159133,−0.334566201439198,0.266177476385384,−1.25692904592272,0.20877932968823,0.665082324270319
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"4841","FN1",5208.945882213,−0.281980842231166,0.224455766985389,−1.25628691130721,0.209011965645027,0.665174710718392
"4842","TMEM144",15.001185951236,0.643986782740811,0.512819220933173,1.25577738987426,0.209196691376112,0.665174710718392
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"4846","IRAK4",55.3784752358457,−0.306475844618175,0.243966675847941,−1.25622011101711,0.209036177191071,0.665174710718392
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"4899","FAM162A",361.568892371286,−0.370568623639187,0.297087091558742,−1.24734003653577,0.212272843160153,0.66774201912078

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"4912","ERICH6-AS1",14.611888549422,−0.646511114193626,0.51927873477795,−1.24501750388466,0.213125316160212,0.668428636543166
"4913","ARHGEF17",39.4004045134508,0.404372392666259,0.324703719879336,1.24535805384838,0.213000164760904,0.668428636543166
"4914","SINHCAF",22.2376190595913,−0.514526614283638,0.413212713668599,−1.24518582624322,0.21306345141262,0.668428636543166
"4915","AP1G1",128.315727119667,0.247138122028273,0.198490794015005,1.24508606686107,0.213100115142983,0.668428636543166
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"5487","MT−ATP8",447.710491369215,−0.426211036592295,0.370598189382556,−1.15006238239424,0.25011817860091
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"5513","FBXO28",72.5137299601864,0.248562424771916,0.217047777979134,1.14519681835127,0.252127636046642,0.704467556581293

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"5714","RNF40",104.927651402013,0.249741231796339,0.224232954157792,1.11375793417321,0.265383047829553,0.715605537099114
"5715","NTN1",30.8767379764626,-0.633115064059264,0.567722175799246,-1.11518466434389,0.264771296399157,0.715605537099114
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"5728","RBBP6",573.87355061346,0.27580845256868,0.24798630318653,1.11219228249563,0.266055485416429,0.715711475588494
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"5738","ASAP1-IT2",11.5703659541996,0.674654025381083,0.607536198117349,1.11047543746648,0.266794206778162,0.715987586609569
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"5849","ABITRAM",47.1000051672356,0.329780468855643,0.301071943410551,1.09535436985553,0.273361416511731,0.72053913215489
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"6117","TASOR2",160.515609420393,0.256776849251939,0.24474417193739,1.04916430581083,0.294102503668181,0.74111573838214
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"6142","INPP5D",5.26998768730766,−0.72250794606415,0.690975828742834,−1.04563418286091,0.295729960889048,0.742150969674742
"6143","CASS4",3.55278362773427,−0.832207734706878,0.795926100740607,−1.04558417412435,0.295753059144466,0.742150969674742
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"6171","USP54",39.344376580923,0.343463970443701,0.329995518353429,1.04081404546787,0.297961860104426,0.74387525049038
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"6176","AP003469.4",11.0918168789622,0.558936146392907,0.537183753499838,1.04049339309193,0.298110731997978,0.743949641209136

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"6180","USP8",398.0786423921,0.173466900292853,0.166747668239561,1.04029580817669,0.298202491094577,0.743955282924308
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"6192","INTS3",94.0756044105767,0.239531126153987,0.230748306651197,1.03806233566891,0.299241035003877,0.744841039009326
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"6214","TAOK2",51.6719820638489,0.326321608057693,0.315279834792413,1.03502213604162,0.300658573554977,0.74572033971842
"6215","NOL12",51.1986516133877,−0.36741244514683,0.354973365764378,−1.03504228931561,0.300649162081169,0.74572033971842
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"6217","PDSS2",68.7958333634628,0.218859067391635,0.211652199707658,1.03405052106206,0.301112545570807,0.746606062405338
"6218","ROM1",21.4543208281598,−0.350758251529326,0.339275174721681,−1.03384590934797,0.301208205385117,0.746723140239882
"6219","FKBP14",217.162561660977,0.30571975447373,0.295829340513519,1.03343283645578,0.301401386379274,0.747081905617706
"6220","EPS8L2",109.219384040384,−0.191999564160677,0.185839541547459,−1.03314699639229,0.301535112931208,0.747293209941249
"6221","CETN3",155.609350530596,0.266752564639382,0.258317707789507,1.03265303382433,0.30176629999167,0.747345525650693
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"6228","CUEDC2",331.38024756367,-0.260057561638072,0.252029877764624,-1.03185211191883,0.302141402523973,0.747833930620912
"6229","XRN2",357.131380299847,-0.14220284753012,0.137893648731057,-1.03125016154636,0.302423523163338,0.748412041991147
"6230","HDLBP",1089.58815308603,0.184044111977653,0.178489052684412,1.03112268909322,0.302483289120042,0.748439791618851
"6231","PPP1R3F",28.194713469584,-0.395861071103797,0.383965361330405,-1.03098120552379,0.30254963344211,0.748483806693969
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"6233","NUP54",198.584741589293,-0.193278148962618,0.187587305419894,-1.03033703975856,0.302851817298249,0.748744264834081
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"6235","POT1",40.034414240381,0.272171140515575,0.264187085237834,1.03022121717476,0.302906171975963,0.748744264834081
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"6240","TMEM214",165.804246171953,-0.224842288085833,0.218401736508847,-1.02948947055064,0.303249725165744,0.749013701879497
"6241","BBS7",92.9827478252434,-0.213854201154388,0.207718516134711,-1.02953845970909,0.303226716793447,0.749013701879497
"6242","GID4",72.2849333405651,0.224879950652531,0.218487932450267,1.02925570364724,0.303359532702284,0.749044881724445
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"6244","SSR2",1941.42292942114,-0.249217101463771,0.24236260011377,-1.02828200946344,0.303817191189203,0.749076603494942
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"6248","ADTRP",5.99736705810355,-0.77248143519269,0.750947504475897,-1.02867568050822,0.303632101608247,0.749076603494942
"6249","DDX43",2.7252399066647,1.10866597307227,1.0773771359147,1.02904167548627,0.303460091512692,0.749076603494942
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"6254","SP2−AS1",9.94084145361019,0.523152922727139,0.508867602544699,1.02807276413551,0.303915601113881,0.749098015857128
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"6256","ATP10A",30.4474633493031,−0.386120657036896,0.375687796186947,−1.02777002861375,0.304058017776921,0.749209453969189
"6257","RANBP1",492.148948664379,−0.262857848036905,0.2558096683193,−1.02755243679378,0.30416040744042,0.749341965909233
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"6259","AL024507.2",3.6513406449058,0.936938466725149,0.912056709657282,1.02728093199075,0.304288198419825,0.749417251740151
"6260","MARCH7",291.21737512937,0.167636718031713,0.163258918979376,1.02681506823459,0.304507552685258,0.749497188815536
"6261","CCDC146",240.092918015315,−0.471551498666689,0.459177253464192,−1.0269487329983,0.30444460523028,0.749497188815536
"6262","ARHGEF35",31.6573465068808,−0.306253206227308,0.298194172469966,−1.02702612760869,0.304408161326289,0.749497188815536
"6263","LCP1",34.515085044964,−0.518978407114011,0.505433321333893,−1.02679895687204,0.304515140678022,0.749497188815536
"6264","CXCL2",352.823735301596,−0.886221636975873,0.863223161318797,−1.02664256091315,0.30458880524269,0.749528012393762
"6265","ZNF184",21.3385807768733,−0.445484343711519,0.433955907811101,−1.02656591532206,0.304624910648519,0.749528012393762
"6266","TENT2",110.609141875362,0.208230047077564,0.2029194968904,1.02617072419627,0.304811118251146,0.749627215673488
"6267","ITM2B",10570.9640022272,−0.216707136335154,0.211155041918903,−1.02629392301408,0.304753060878117,0.749627215673488
"6268","ERCC2",25.2726391195209,0.342278614909568,0.333531867102901,1.02622462399963,0.304785717096187,0.749627215673488
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"6314","SHARPIN",278.572458063052,-0.24988632515498,0.244936740528109,-1.02020760387437,0.307630012146131,0.751027515277219
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"6317","RPL27",6238.7033030382,-0.227583212961101,0.22326165370684,-1.0193564778479,0.308033760239795,0.751676494237208
"6318","C19orf25",109.230527548651,-0.259588839321846,0.255023063212275,-1.01896211287191,0.308220953699968,0.752014245217633
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"6355","LSM11",23.1071856705564,0.37390582511009,0.369097862398209,1.01302625455656,0.311047620592083,0.754492379453494
"6356","ACAP2",348.615259097416,0.154016835012215,0.152052495730284,1.01291882301897,0.311098936754031,0.754498129336593
"6357","NOP53",2265.57824403966,−0.241918464913687,0.238867943084736,−1.01277074600114,0.311169676946015,0.754550978468275
"6358","IL17RA",109.713251764511,−0.252683957564911,0.249567900487035,−1.01248580875904,0.311305828629809,0.754762401435751
"6359","IGSF8",116.44071245673,−0.258502231313637,0.25545394687154,−1.01193281403333,0.311570178440493,0.754928371685035
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"6365","LCMT2",11.0297772674802,0.454939911577943,0.449820570892656,1.01138085053587,0.31183418284607,0.755211929076538
"6366","SPRY3",4.11858557487037,0.811750336364003,0.802948544170544,1.010096183841089,0.312034694979537,0.755578828638009
"6367","HSCB",118.67992993023,−0.280499696060125,0.277495437320009,−1.01082633562963,0.312099556035789,0.755617191187638
"6368","TRAM1L1",22.2854606650981,−0.355650604300463,0.351883715303352,−1.01070492561403,0.31215767886076,0.755639230470888
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"6370","DHRS4−AS1",143.41640230744,0.196231161551414,0.194215439724276,1.0103787929 0132,0.312313844247256,0.755805101227194
"6371","AL591623.1",2.75241128254307,0.938513205498426,0.929881424736 293,1.0092826682333,0.312839089764612,0.755943840658311
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"6426","NSUN4",45.629970222898,0.273170952507608,0.273506606748843,0.998772774649852,0.317904777504837,0.757340535733592
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"6435","CHST10",20.9162886877138,0.366141789358391,0.366671575279942,0.99855514864727,0.318010236457002,0.757340535733592
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"6447","POLR2J2",9.62557364010356,−0.618485462834276,0.619318704679875,−0.998654583109952,0.317962048864599,0.757340535733592
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"6452","MINCR",35.961789139646,0.346489796077,0.345937152517674,1.00159752589539,0.316538016396779,0.757340535733592
"6453","RPL35",8098.06497416317,−0.221269209284907,0.220830703044082,−1.00198571228901,0.316350493483232,0.757340535733592
"6454","AKR1C3",730.125907064593,−0.327856230713634,0.328345293618641,−0.998510522567214,0.318031864552311,0.757340535733592
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"6464","ING1",132.547907286059,−0.305711279948519,0.30469100491454,−1.00334855646383,0.315692715767246,0.757340535733592
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"6466","CAPN3",20.5648678196947,0.461992672129845,0.461415690200893,1.00125046014084,0.316705736727955,0.757340535733592
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"6471","TEX2",37.6040349167162,0.263799537003506,0.263853519243546,0.9979540830005,0.317409528395002,0.757340535733592
"6472","SAMD1",154.622823074619,−0.219864575523271,0.219450401564384,−1.00188732376853,0.316398015560599,0.757340535733592
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"6476","HSPBP1",62.8506469831908,−0.298607449322301,0.299023278939218,−0.998609373763832,0.317983957471552,0.757340535733592
"6477","HAR1B",2.36733857209009,−1.04745571156999,1.04903639168681,−0.998493207548044,0.318040256561323,0.757340535733592
"6478","AL021155.5",44.0115788197518,0.45036730153597,0.451361426440186,0.997797496981398,0.318377564169013,0.75734457192394
"6479","DNTTIP2",184.720486243257,−0.189673116057575,0.190122700829233,−0.997635291473893,0.318456241395458,0.75734457192394
"6480","ISG20L2",111.856741566326,−0.199593368640234,0.20002903066958,−0.997822005996389,0.318365677262444,0.75734457192394
"6481","AC005082.1",4.38302973751295,0.691609865443056,0.693329298536023,0.997520033991643,0.318512154380986,0.75734457192394
"6482","NINJ2",175.270604962607,0.317770889310505,0.318536474716496,0.997596553403585,0.318475033047452,0.75734457192394
"6483","DCTPP1",160.857177148568,−0.25236444100822,0.252895003287582,−0.997902045226418,0.318326860148667,0.75734457192394
"6484","PTPN4",67.1864342365062,0.22794960880527,0.228690569655051,0.996759985114828,0.31888102549212,0.757520574504705
"6485","SH3TC1",2.69367521267507,−0.877192214823762,0.879797497510696,−0.997038770064355,0.31874569157871,0.757520574504705
"6486","KAT6B",358.521749735586,0.20116220422277,0.201717958842979,0.997244892703671,0.318645655184736,0.757520574504705
"6487","DAPK2",16.1653258632573,0.466136272918611,0.467646027338623,0.996771587201107,0.318875392602499,0.757520574504705
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"6489","IL1RAPL1",3.20753282465748,1.35296956711868,1.35698744560312,0.997039118897184,0.318745522264178,0.757520574504705
"6490","DEDD",85.4798364875678,−0.190985281438767,0.191877467360346,−0.995350230885093,0.319565955339644,0.75754632558929
"6491","ALS2",50.4002364205425,0.31896041198172,0.320489030237705,0.995230357011435,0.319624240492907,0.75754632558929
"6492","CTDSPL",291.440468805887,−0.188066907588216,0.188806299636637,−0.996083859225862,0.319209401595694,0.75754632558929
"6493","AC008522.1",4.88048450729145,0.948250107998961,0.952534414093838,0.995502203351936,0.319492073183764,0.75754632558929
"6494","HILPDA",278.498656762879,0.399572227849915,0.401563902767394,0.995040204301846,0.319716710932175,0.75754632558929
"6495","CLEC2L",3.4347583833581,−0.957174502100452,0.96097164546365,−0.996048641621089,0.319226511897945,0.75754632558929
"6496","PTK2",209.805191810339,0.19137785565478,0.192374795664206,0.994817720242492,0.319824926180428,0.75754632558929
"6497","AP001462.1",4.99517972571818,0.692425451271138,0.695660858813318,0.995349159721738,0.319566476130599,0.75754632558929
"6498","ACVRL1",507.578689232512,0.238192711573147,0.239142581219486,0

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"6501","CCL5",42.3177832263984,0.561078723328152,0.563600873554752,0.99552493556177,0.319481022770044,0.75754632558929
"6502","ATP5F1A",685.905397683475,-0.170283962385624,0.171171253682585,-0.994816353342799,0.319825591108343,0.75754632558929
"6503","PDCD2L",28.5755310451553,-0.289156722351269,0.290654093719741,-0.99484827015746,0.31981006542008,0.75754632558929
"6504","NUMBL",264.483430038733,-0.24405156308708,0.244933925534934,-0.996397549069907,0.319057023391343,0.75754632558929
"6505","CCN5",12241.8208232845,-0.254504847149599,0.255515361462135,-0.996045191542483,0.319228188134162,0.75754632558929
"6506","TNNC2",66.5562023641623,0.367733703538854,0.36886593498271,0.99584610206977,0.319324926407325,0.75754632558929
"6507","PCIF1",82.5859959348301,-0.264482067593002,0.265681373106558,-0.995485925492132,0.319499986210232,0.75754632558929
"6508","RAB22A",341.943547293601,-0.156802182607797,0.157567301721246,-0.995144175821435,0.319666147864319,0.75754632558929
"6509","EDC3",45.7199227990117,0.246817994312223,0.248130883880134,0.994708882879149,0.319877872910908,0.757553758015309
"6510","TSC22D2",454.20065882938,-0.418363324567444,0.420690456936607,-0.994468302451857,0.3199949297784,0.757714568745627
"6511","TUT7",127.736227933719,0.222671511379114,0.223997815304811,0.994078942583026,0.320184436151996,0.757930448907096
"6512","DNMBP",150.547019829402,0.218732065136579,0.220017063167657,0.994159552842956,0.320145196096701,0.757930448907096
"6513","PRPF4",86.4857788781607,-0.223831329935711,0.225225164039227,-0.993811374899151,0.320314707258837,0.758006019710619
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"6578","PCM1",559.927807658367,0.21124456506658,0.214611568033597,0.98431117670931,0.32496253576384,0.759839613701686
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"6582","GSTP1",3203.20014436961,-0.267693210239521,0.27129851119101,-0.986710944576652,0.323784363126325,0.759839613701686
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"6595","TMEM128",140.268582489089,0.228249040054129,0.231950559481702,0.984041774092528,0.3250949736772,0.759870304346364
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"6597","PROSER3",25.0310447911567,-0.333906393698074,0.339410534535605,-0.983783235116546,0.325222104060373,0.759936142805921

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"6599","SMARCC1",145.944251106748,0.210359133154166,0.213907844018405,0.983410094751207,0.325405643965589,0.760019394201448
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"6603","MCUB",454.767429406883,-0.200640533663906,0.20412879996642,-0.982911444621789,0.325651024646398,0.760246940015785
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"6619","SPRR2F",3.73022339481175,1.16720489928861,1.19132673271316,0.979752126127809,0.327208488764624,0.760963973821545
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"6633","CORT",3.67810834594655,−0.742641743592597,0.758946790690361,−0
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"6714","TRAT1",3.20093167121855,0.880362758965555,0.9115298110691,0.965807972789184,0.334140278263829,0.767168958808003
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"6733","B4GAT1",178.041217993476,0.23828683067876,0.247521789149373,0.962690321113349,0.335702955395763,0.768581770002329
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"6815","BCAP31",437.063591709724,−0.163280797805902,0.171695494901113,−0.95099057724224,0.341609159214955,0.772764951224528
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"6817","MINDY1",58.9932189804773,0.22655784575756,0.238340728789299,0.950562863965413,0.341826327707922,0.772844359286833
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"6857","LINC02246",7.59929133159302,0.587350126904265,0.621624670601069,0.944862961015265,0.344728843210386,0.775010408320392
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"6884","MARS",51.519438687063,−0.315616104819746,0.335429906077192,−0.940930129071777,0.346740666441764,0.775963447315202
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"6908","SDF2",409.256010285089,−0.224004405952151,0.23898889111165,−0.937300495057326,0.348604008383905,0.777899651018803
"6909","STX17-AS1",2.82875325142499,−0.798133633447589,0.851705575449344,−0.93710039766656,0.348706916911852,0.778016662931856
"6910","CBR4",108.090542622152,0.2433977071934 7,0.259834299324272,0.936742022998707,0.348891274440776,0.778165600482235
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"6916","PIGM",87.4349314924108,0.256838349622744,0.274530166835869,0.935556017697312,0.349501828717821,0.77828645939633
"6917","TOR1AIP2",281.675165284435,0.195023721790596,0.208552732468068,0.935129065357396,0.349721789265664,0.77828645939633
"6918","MTA3",91.6799975771134,0.18892799898166,0.202063578551299,0.934992839066723,0.34979198984475,0.77828645939633

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"6925","COL21A1",24.6486508698059,1.10797184476493,1.18618522596723,0.934063096142074,0.350271346788174,0.77828645939633
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"6941","VPS25",235.986261580053,−0.228934643928744,0.245303016923224,−0.933272842707832,0.350679113164071,0.77828645939633
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"6949","GEMIN6",92.792865947549,−0.279574699358186,0.299827250801034,−0.93245259932598,0.351102672375564,0.77834323456679
"6950","AL357054.4",9.62502981974271,−0.716511303490984,0.768336552767711,−0.932548765134183,0.351052997277799,0.77834323456679
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"6988","CLIC6",47.1819556882595,0.35302362312533,0.380614222654421,0.9
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"7195","CAPN10",37.2505135700415,0.25600923470685,0.283897292167992,0.901767088906786,0.367180605990159,0.786451025076217
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"7204","DDX54",138.645802220385,-0.14785216069892,0.164128672051149,-0.900830786304322,0.36767829602861,0.78681351541376
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"7206","GRAMD4",36.6993161628217,0.324681651588903,0.360563429349854,0.900484145533973,0.367862658857242,0.786927960905409
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"7208","TMA7",2234.82336849698,-0.217979206781931,0.242237181612376,-0.89985858211783,0.368195513907805,0.787317151970566
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"7215","CRYBG3",228.045135740885,0.23131165288503,0.257391415232561,0.898676642637957,0.36882492179263,0.787816098917378
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"7217","TEFM",64.3889580005099,0.223843768877038,0.249169173635314,0.898360602201368,0.368993333388483,0.787816098917378
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"7219","PEX26",96.1879467572798,0.238107838318156,0.264890688783905,0.898890932751516,0.368710758105993,0.787816098917378
"7220","SMDT1",722.159720583684,−0.250884505578695,0.279253805580431,−0.898410336995158,0.368966827545841,0.787816098917378
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"7222","MRPL15",189.501280417844,−0.277492305888594,0.309115942935005,−0.897696518833191,0.369347365879737,0.788353592500159
"7223","LIMS2",202.764273864075,0.19593460076386,0.218373956949555,0.897243441941759,0.36958902890838,0.788438620990724
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"7306","TCEAL7",131.083528922701,-0.260904660925138,0.293508579843797,-0.888916641087593,0.374047881264279,0.791420036013944
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"7309","TMEM116",36.9549857960264,0.299249824452245,0.337567168553848,0.8864897191698,0.375353691712638,0.791534816180296
"7310","MED4",385.553417924866,-0.169844513317248,0.191607979988201,-0.886416700012739,0.375393023413567,0.791534816180296
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"7315","SMPD2",25.6475263464318,−0.320884447383111,0.362336198506322,−0.885598647625907,0.375833840588185,0.791810596295166
"7316","IKZF1",11.6668494554057,0.550300333603389,0.621471667484648,0.885479358746443,0.375898147498412,0.791810596295166
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"7320","DMRT3",14.9539344105796,0.511502628722793,0.578222499160529,0.884612116383225,0.376365869516894,0.792420921656363
"7321","BRD3",220.178263808259,0.163593076542699,0.184940424911265,0.88457175666808,0.376387645100801,0.792420921656363
"7322","ALG10",15.5371198936918,−0.357716786380732,0.404400413028429,−0.884560882868298,0.376393512057599,0.792420921656363
"7323","SMIM4",115.145582768,−0.225292095877987,0.254804165363799,−0.884177444887231,0.376600432033058,0.792748280730518
"7324","ZNF667−AS1",149.197446107898,−0.185305757572565,0.209608464413214,−0.884056653395734,0.376665630960422,0.792777266692368
"7325","FARP2",69.224878728807,0.226151448225985,0.25591157152844,0.883709348800791,0.37685313235002,0.792777971500271
"7326","AC117453.1",2.65927441662064,1.12912196042491,1.27789478199565,0.883579756591218,0.376923110809308,0.792777971500271
"7327","DIMT1",128.217973493318,−0.199168292655198,0.225404741022884,−0.883602943537813,0.376910589508184,0.792777971500271
"7328","OR2A1−AS1",17.3043564080611,−0.45699997227477,0.517049832677471,−0.883860594071288,0.376771471594632,0.792777971500271
"7329","CSTB",1597.93094699634,−0.201015709114315,0.227447840558325,−0.883788162687646,0.376810577581128,0.792777971500271
"7330","ZSCAN31",16.2207387729828,0.367271013103103,0.415767147674642,0.883357463804499,0.377043165287698,0.79292229098361
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"7332","FPGT",47.3224933680341,0.278408861383538,0.315675192472358,0.881947229375385,0.377805344929206,0.793471440366053
"7333","OLFML3",1596.45388768395,0.207806193441615,0.23568499183424,0.881711609315231,0.377932781362459,0.793471440366053
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"7337","GIMAP4",6.86102950763216,−0.641202073029335,0.7266837679906,−0

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"7340","LRRC49",43.7387224834283,−0.253939004555781,0.288031436572966,−0.881636419889365,0.377973453558737,0.793471440366053
"7341","ZNF606",16.6908846306021,0.383934913360017,0.435307945247788,0.881984621579724,0.377785123579892,0.793471440366053
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"7343","LAMA5",7.5609093623213,−0.496524454242127,0.562845332632867,−0.882168555825975,0.377685663393305,0.793471440366053
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"7349","XPOT",109.899849169336,−0.174191998289111,0.197788608707977,−0.880697828995273,0.378481392166938,0.793892223222141
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"7353","GAS5",1551.30835916316,−0.194831347904232,0.221510239462922,−0.879559104701544,0.37909820118959,0.794456144298492
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"7360","COL1A1",26082.8984474973,0.355401549146387,0.404484290166649,0.87865352941139,0.379589162389811,0.795022681825942
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"7362","SMCR5",11.068686253049,0.440614635711694,0.501735849416427,0.878180493230005,0.379845776207871,0.795344015246446
"7363","ZFAND2B",123.467165168241,−0.198077456561744,0.225592510982623,−0.878032057442728,0.37992632199344,0.795404624952992
"7364","USP44",34.1544392385742,0.39064182531538,0.444988770442205,0.877868951450577,0.380014840385566,0.795481907189503
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"7429","THBD",35.3889621707276,-0.554151922958588,0.637214947868161,-0.869446772745263,0.384493468627329,0.797630482812001
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"7434","INTS7",24.2134950777854,0.344571827911028,0.39641426559851,0.869221563938396,0.384725954885241,0.797760370534838
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"7437","MAP1B",1711.95300327223,-0.251869693089657,0.289990168022387,-0.868545629692566,0.385095704142237,0.798043865711091
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"7439","GAPVD1",132.972206441016,0.191639451248747,0.220651307621851,0.868517179046935,0.385111271964382,0.798043865711091
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"7441","ZNF17",19.6686923269182,0.329500242759933,0.379473381955322,0.868309237032933,0.385225066802221,0.798043865711091
"7442","AC026329.1",7.14534947646677,0.551041062169739,0.63506365305211,0.867694221707448,0.385561749968716,0.79823972392198
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"7444","TRMT11",138.984948712805,0.193745784191985,0.223309274201561,0.867611902303297,0.385606828431217,0.79823972392198
"7445","BSG",1078.36694591421,-0.205239819195027,0.236568864685397,-0.867569024638835,0.385630309701394,0.79823972392198
"7446","ZNF808",27.9285106359976,0.276391172689825,0.318472673732487,0.867864641102584,0.385468437801831,0.79823972392198
"7447","DEPDC5",30.1705353311675,0.290952163580757,0.335272410758022,0.867808248590867,0.385499313672011,0.79823972392198
"7448","PPT2",23.4068097327399,0.304604335776641,0.351226998301822,0.867257748548372,0.385800801283515,0.798378218792507
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"7451","AQR",115.397664666396,0.187646678648857,0.216487263470641,0.866779299809962,0.386062946119402,0.798599076010544
"7452","PEAK1",187.318448728471,0.281853776616732,0.325143957193251,0.866858418805582,0.386019588858992,0.798599076010544
"7453","KIAA1614",37.4162531535171,0.260158651815568,0.300371190974092,0.866123848202231,0.38642224836835,0.798763410961996
"7454","HSD17B11",465.995029771932,-0.21081690043532,0.243307343479607,-0.866463368595324,0.38623610627005,0.798763410961996
"7455","LTC4S",43.2087434751518,-0.336375111704469,0.388393763481219,-0.866067232103572,0.386453293477429,0.798763410961996
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"7465","AC105345.1",5.11426009151409,0.621545163690452,0.718591560501214,0.864949155897305,0.38706669591882,0.79908979175807
"7466","RBM4B",54.4408887732801,0.26791709202314,0.309883525090501,0.864573526278607,0.387272908206029,0.79908979175807
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"7484","COA8",304.463931116015,-0.198699063807323,0.230392623372433,-0.862436743411366,0.388447228380035,0.800121370643419
"7485","TMEM42",137.657443362208,0.247394693619133,0.287140214782557,0.861581488355706,0.388917861342231,0.800850765774845
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"7497","ARAF",83.0351757106766,−0.170908353574531,0.198725356576503,−0.860022880415548,0.389776430107651,0.801497090801163
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"7501","MED25",91.1089624908443,−0.183851829100634,0.213916412746104,−0.859456395797204,0.390088767018985,0.801655558405234
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"7503","CPSF4",73.4500931054224,0.240001490667056,0.279359863713086,0.859112284338554,0.390278570546251,0.801831822600353
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"7505","GSC",170.526835952121,−0.281427343444167,0.327706457089365,−0.858778755669811,0.390462590421214,0.801917647096677
"7506","LIPE",8.90991323123438,0.490312052323494,0.570957709235406,0.858753712214678,0.39047640993382,0.801917647096677
"7507","IRAK3",147.498362296684,0.222366585970491,0.258969608497478,0.858659003504871,0.390528674899995,0.801918146207995
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"7519","GALNT7",40.6551112178664,−0.257985406964394,0.301063486355572,
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"7539","MRPL11",399.747534633789,-0.216639357469332,0.253672486630296,-0.854012038700371,0.39309831903721,0.803768482286589
"7540","AUH",93.3412879258091,0.161703222501214,0.189366540569936,0.853916547318951,0.393151230348335,0.803770055148485
"7541","CDC7",10.1092649440054,-0.399142008778899,0.46772193148511,-0.853374584149909,0.393451611241559,0.803839371322471
"7542","APH1A",444.475887944995,-0.149720664572608,0.175459762985268,-0.853304837674825,0.3934902780357,0.803839371322471
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"7545","TMEM109",649.577599546207,-0.152510212922997,0.178652795519594,-0.85366821425568,0.39328885069381,0.803839371322471
"7546","RAD52",16.9145495568221,-0.373636422946198,0.437886546386679,-0.853272214068563,0.393508365048176,0.803839371322471
"7547","KANK2",599.011109683355,0.196496031015406,0.230204668549634,0.853571008152859,0.39334272797677,0.803839371322471
"7548","PIGO",31.4822280625679,-0.271525810704549,0.318412337068314,-0.852749027266157,0.393798496371587,0.803950375788481
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"7552","PPIC",1680.44295853094,0.289662443098398,0.339841272937464,0.852346275055592,0.394021929330175,0.804270132497967
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"7555","LPAR2",9.96737537751483,-0.488741152590304,0.573636424475719,-0.85200508847916,0.394211267830919,0.804422198322104
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"7564","HIPK1-AS1",3.91462758648666,0.67522975897615,0.794744336367984,0.849618837250202,0.395537035540148,0.805152751739022
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"7572","SARM1",19.5732327994259,0.311959949176935,0.366962408276579,0.850114186469509,0.395261605100817,0.805152751739022
"7573","ARL4D",288.448384097243,0.263395634752086,0.310014278000463,0.849624205862196,0.39553404979395,0.805152751739022
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"7575","SLC35A3",163.749997516402,0.161344430321061,0.190123120590055,0.848631296500511,0.396086486600568,0.805862481692112
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"7577","CCDC144NL-AS1",22.2346043640105,−0.39606496371107,0.466665491209341,−0.848712774292968,0.39604113628961,0.805862481692112
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"7580","AARSD1",130.014918968975,−0.212619145095809,0.250642161382626,−0.848297604532813,0.396272251334024,0.806053463814934
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"8128","COL4A4",14.8140236407815,-1.04701144617314,1.35436764772363,-0.773062947813997,0.439485127886852,0.831765550503143
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"8133","CHCHD3",242.514144818325,-0.176174311446644,0.227807812229971,-0.773346224267308,0.439317506251704,0.831765550503143
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"8136","MYCBP2",810.123965419531,0.150506753080849,0.194260716704728,0.774766796055922,0.438477472887135,0.831765550503143
"8137","GEMIN2",75.5783224118408,-0.192701362531295,0.248891477455723,-0.774238493423608,0.438789768668561,0.831765550503143
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"8140","PRDX2",1023.37139287713,-0.204132605503933,0.264049759922094,-0.773083851938213,0.439472757148458,0.831765550503143
"8141","GATAD2A",108.516004011451,-0.154978841388212,0.200392380834828,-0.773376915542276,0.439299347674912,0.831765550503143
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"8144","SREBF2-AS1",6.75133137525483,0.428902546759533,0.554805103547206,0.773068856103339,0.439481631432052,0.831765550503143
"8145","ZMAT1",43.8551958087242,0.316908662820114,0.40994291842294,0.773055585492901,0.439489484842562,0.831765550503143
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"8148","CHI3L2",188.584371171242,−0.662855278116342,0.85823044084066,−0.772351161847693,0.439906471127372,0.831954611711218
"8149","ZSCAN26",63.9975381477188,0.184710946580898,0.239148750170449,0.772368437841504,0.439896241821617,0.831954611711218
"8150","BBS4",103.749843005272,0.139642913854279,0.180805023239339,0.772339790966026,0.439913204025828,0.831954611711218
"8151","CALCOCO2",467.233886421944,0.113376484617905,0.146779666274466,0.772426368689928,0.439861941325995,0.831954611711218
"8152","C1orf43",427.105252939588,−0.175292880380209,0.227027569427725,−0.772121556963654,0.440042435663129,0.832032903470396
"8153","TMEM217",9.41926069531526,−0.818577923929429,1.06044280699255,−0.771920860353556,0.440161301405239,0.832032903470396
"8154","POMZP3",15.7940826261616,0.358416490512731,0.464367739721457,0.771837618883088,0.440210607886283,0.832032903470396
"8155","MRPL48",81.9246349678622,−0.202291100510211,0.262098184346853,−0.771814200141521,0.440224480097603,0.832032903470396
"8156","LCMT1",152.442536279835,−0.176445117010316,0.228549058896718,−0.772022942741814,0.440100839194497,0.832032903470396
"8157","KIAA2026",253.15157226979,0.173018042722535,0.224247086926702,0.771550904378474,0.440380461945383,0.832225673763404
"8158","BICRA",27.704526992213,0.271722631321742,0.352248810584644,0.771394035002564,0.440473409668647,0.832299290272395
"8159","LAMA1",4.90326891991752,−0.525839954562032,0.681929047362327,−0.771106549275118,0.44064377895517,0.832519163205533
"8160","ZNF595",58.408346634424,0.239240329059882,0.310441858912981,0.770644557720365,0.440917642698454,0.832934492916258
"8161","CEP104",69.2803634051599,0.208289392032458,0.270395643901045,0.770313415657996,0.441114000239373,0.833018437241173
"8162","DNAAF5",65.5758063735526,0.171625551642353,0.222776065936535,0.770394929638654,0.441065660188923,0.833018437241173
"8163","VPS39",92.2533690332536,0.17579005707632,0.228248894304688,0.77016827446997,0.441200080501924,0.833018437241173
"8164","MIR762HG",20.3390542787276,−0.280528506837726,0.364231644816458,−0.770192570662246,0.441185670257856,0.833018437241173
"8165","ZNF875",41.0783794316044,0.238432542142358,0.309606817162121,0.770113992733906,0.441232276359013,0.833018437241173
"8166","AVPI1",72.7345149578681,−0.205284295437936,0.266627306762832,−0.769929749245595,0.441341565822951,0.833081779760398
"8167","PRIM1",34.5548092310809,−0.237140900455295,0.308025111658069,−0.769875219519568,0.441373914713147,0.833081779760398
"8168","CKS2",36.5343493784826,−0.291929052229168,0.379425292415625,−0.769397976530746,0.441657089454779,0.833208276507544
"8169","HNRNPF",845.553749146406,−0.152120856497066,0.197714158711566,−0.76939788980407,0.44165714092398,0.833208276507544
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"8172","ADAMTS9-AS2",10.7419112470547,0.465809592153594,0.60641771389596,0.768133221506638,0.44240804170831,0.833606496615883

"8173","HOXA6",18.4918594521175,0.314895846885617,0.409901045825897,0.768224063081232,0.442354079903133,0.833606496615883

"8174","AC091563.1",14.8783983040513,0.364269809462025,0.474137157695105,0.768279396689405,0.442321212421995,0.833606496615883

"8175","EMG1",150.077785775124,-0.210492872691368,0.273920353209198,-0.768445536176021,0.442222536010758,0.833606496615883

"8176","BTG1",2567.85680737685,-0.162557384243415,0.21155761698415,-0.768383509706455,0.442259374361055,0.833606496615883

"8177","NPIPA5",7.08404537359929,0.833820757381273,1.08471783651442,0.768698300436021,0.442072434091489,0.833606496615883

"8178","MC1R",7.7926187510964,-0.397874243971148,0.517791867206984,-0.768405742093474,0.442246170047017,0.833606496615883

"8179","LINC02193",8.39936200936381,0.452797694281424,0.589479316118748,0.768131606826744,0.442409000896175,0.833606496615883

"8180","GEMIN4",44.3402674664581,0.219284430798501,0.285470634495827,0.768150570673518,0.442397735647526,0.833606496615883

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"8182","KDM4B",96.5375512439932,0.216532584563218,0.282002505966387,0.767839221219642,0.442582709872862,0.833831883731382

"8183","TMEM184A",5.15415911646655,0.627736642837209,0.817772907623549,0.767617314030877,0.442714573007502,0.833978387255364

"8184","AC092155.1",5.52251878668448,0.636650491675856,0.829695263820525,0.767330512101818,0.44288503159475,0.834197551568068

"8185","C7orf50",222.271743333282,0.206148560570256,0.268824467352836,0.766851926092289,0.443169559153785,0.834223806857443

"8186","STARD3NL",117.276313704006,-0.158402507872467,0.206509660575576,-0.767046478266312,0.443053881962123,0.834223806857443

"8187","SKIDA1",9.61744486668084,-0.38730407514244,0.505049059882295,-0.766864263112783,0.443162223272759,0.834223806857443

"8188","NRL",3.32224044565906,-0.615577771020538,0.802549338525292,-0.767027946408479,0.443064899924682,0.834223806857443

"8189","SGSM3",130.311922184898,-0.1373787462624,0.179070306359808,-0.767177702741867,0.442975868018278,0.834223806857443

"8190","TNFRSF14-AS1",4.36433849639749,0.554366857295753,0.72385101010415,0.765857682806837,0.443760987607003,0.834387542250605

"8191","SAPCD1",3.13035388701244,0.726572396581318,0.948291214700909,0.766191213540325,0.443562535671291,0.834387542250605

"8192","RXRB",99.539833035208,0.158995472677303,0.207464085651979,0.7663758870728960,0.443452676093538,0.834387542250605

"8193","CLDN15",25.4054225936831,-0.263312683860195,0.343648864678351,-0.766225967621488,0.44354185979025,0.834387542250605

"8194","RND1",20.0577011370344,0.259707483384757,0.339045701343514,0.765995505489766,0.443678976488805,0.834387542250605

"8195","ZDHHC20",100.345550503492,0.231732543516456,0.302432609954182,

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"8196","HHIPL1",17.5805535240703,0.300009228501967,0.391807935243107,0.765704830137804,0.443851952413556,0.834387542250605
"8197","HIC1",683.353121662288,0.109811295695676,0.143381158497028,0.76586977568571,0.443753791416581,0.834387542250605
"8198","ANAPC11",840.659128543586,-0.17630667334005,0.230235757465312,-0.765765818832953,0.443815655893324,0.834387542250605
"8199","KLHL26",25.1021437203201,-0.243176209405751,0.317393852425013,-0.766165467754936,0.443577852696401,0.834387542250605
"8200","TAB3",41.2748809878339,0.244931415695261,0.319772308635708,0.765955678714797,0.443702674444042,0.834387542250605
"8201","MEA1",233.214132335194,-0.172628558784126,0.225527928481015,-0.76544204501332,0.444008364481057,0.834478046631979
"8202","PRR11",6.41185160996103,0.476447107723423,0.622376777610117,0.765528414400272,0.443956953174299,0.834478046631979
"8203","TRAPPC3L",4.10486630127131,0.555791933134952,0.726619369397208,0.764901070000417,0.444330456725196,0.834772674094839
"8204","WDR61",259.454424449568,-0.16554997253203,0.216457552231356,-0.764814952518197,0.444381742693627,0.834772674094839
"8205","GHDC",94.7874543835554,0.177337884674098,0.231795379993241,0.765062205637011,0.444234503899909,0.834772674094839
"8206","SAP30BP",201.567962027749,-0.155441220565568,0.203201405372624,-0.76496134601296,0.444294562264212,0.834772674094839
"8207","DENND2C",45.7255861708911,0.256513992681087,0.335940382014363,0.763569985671207,0.44512354126206,0.834837929251672
"8208","VANGL1",95.4387409902127,0.199079360893668,0.260530841576401,0.764129727172005,0.444789938679555,0.834837929251672
"8209","PDE1A",76.1215199906772,-0.376408841198139,0.493131926334583,-0.763302518244885,0.445283000603779,0.834837929251672
"8210","DCK",51.1344513178229,-0.242123700221429,0.317176273778426,-0.763372673930119,0.445241171876803,0.834837929251672
"8211","ZNF300",15.1789448600345,-0.309215142635288,0.40460166642541,-0.76424584546859,0.444720750735378,0.834837929251672
"8212","TMEM248",406.845461579055,0.100346344398228,0.131264809741751,0.764457317963955,0.444594762703062,0.834837929251672
"8213","FRMPD2",2.7878628988975,0.866658154164617,1.13525611740707,0.763403201159635,0.445222971412005,0.834837929251672
"8214","CNNM2",29.6505687627134,0.337675071457059,0.441690729544012,0.764505679812807,0.444565953239695,0.834837929251672
"8215","PELI3",44.7465760273288,-0.210550865374644,0.275611090671071,-0.763941918527246,0.444901855606781,0.834837929251672
"8216","FADD",78.3439458420537,-0.208985119193415,0.273717306318373,-0.763507145398893,0.445161002592909,0.834837929251672
"8217","ITFG2-AS1",5.18037328483753,-0.593782147440617,0.77748736542632,-0.763719352680448,0.44503450546763,0.834837929251672
"8218","CHD4",370.533970038095,0.182312952978576,0.238627539616606,0.76400633921588,0.444863464906653,0.834837929251672
"8219","OAS2",30.0317498309215,0.3584879767443,0.469608509900661,0.763376236133654,0.445239048053962,0.834837929251672

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"8229","ABCA5",56.1100445578287,0.250290702377093,0.3283774787822,0.762204226992988,0.445938123677141,0.835354985597658
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"8249","XRCC6",639.61013634481,-0.127595540624221,0.168227536089305,-0.758470007885548,0.448169661285996,0.837499736783081
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"8262","KLC4",28.9708989606762,0.233082421275513,0.308010535060872,0.756735224103451,0.44920850732207,0.837999367846103
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"8266","MCEE",149.878504578182,-0.201054688834545,0.265913103144996,-0.756091694830528,0.449594221064843,0.838423398507907
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"8287","SEPTIN5",17.2743168381638,0.400524032257856,0.53133322895335,0.753809493614451,0.450963622556578,0.838755338044119
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"8291","AL691432.2",20.48099835033,-0.290065206447425,0.385035188868262,-0.753347264960425,0.451241263344232,0.838940799612863
"8292","TMED8",51.1374881387554,0.205838832053487,0.273256345398252,0.753281069295909,0.451281032136871,0.838940799612863
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"8301","ZNF383",45.2265850673738,0.206552767737756,0.274675594685124,0.751988060586668,0.452058238836296,0.839504186666318
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"8303","MR1",149.09498784302,0.157946144293121,0.210278776824959,0.751127368524687,0.45257600614153,0.839561489899651
"8304","HSPB1",1570.06826301638,-0.163171156394856,0.217087165170768,-0.751638892453636,0.452268247850829,0.839561489899651
"8305","TRPV3",9.59899696686892,0.404793898105762,0.538690056262873,0.751441192202419,0.452387180151572,0.839561489899651
"8306","TRAF4",23.9035547563146,-0.316369339174684,0.421143109434311,-0.751215755612476,0.452522819610795,0.839561489899651
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"8313","ZNF10",21.389886499618,0.258994599511613,0.345067877476789,0.750561313923041,0.452916710654942,0.83985457653626
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"8315","PRKG2",26.3127484052997,0.444692225099313,0.59301375632522,0.749885176112905,0.453323863272455,0.839937693874673
"8316","CDK5RAP2",112.889571462917,0.167398143191534,0.223216463904708,0.74993636339924,0.453293032393431,0.839937693874673
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"8318","ARGLU1",1135.26699912647,0.132470505396044,0.176629682481701,0.749990055662179,0.453260694000783,0.839937693874673
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"8320","RHBDF1",164.431221684003,0.177069797670783,0.236117605497389,0.749922045405213,0.453301656219204,0.839937693874673
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"8324","SMAD9",87.3747991236321,−0.294417197913616,0.393000896103269,−0.749151467166763,0.453765917339896,0.840317349326585
"8325","BVES",9.21192737539132,−0.376327322455174,0.502524855985335,−0.748873051696684,0.453933724163494,0.840527130087719
"8326","CNTNAP1",40.479374733155,0.209014749784068,0.279168385588223,0.748704941441211,0.454035064671495,0.840613802775773
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"8328","MUTYH",40.571572406328,−0.224711929696186,0.300340889490965,−0.748189599082032,0.454345803704954,0.840987099437064
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"8334","FOSL2",292.595942795841,0.21994194651658,0.294612636050987,0.746546208827635,0.455337528675174,0.841356388794157
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"8338","MAPK9",131.88323113735,−0.138188219602989,0.185137887831849,−0.746407022470178,0.45542157841080,3,0.841356388794157
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"8340","RBM33",219.5542507985,0.167377301887563,0.22413649259198,0.746765062449061,0.455205388348552,0.841356388794157
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"8815","LYSMD3",123.387655142294,0.148319584393223,0.214177811064255,0.692506771155327,0.488619135137207,0.854459894287017
"8816","PEA15",339.061588623812,-0.119225028162152,0.172408245255459,-0.691527414976562,0.489234158461833,0.854913486113957
"8817","LAMB2",1389.29323015847,0.119437905552317,0.172744203582858,0.691414838096306,0.489304882028873,0.854913486113957
"8818","AC095057.3",3.33849484618723,0.668317091346105,0.967609308703958,0.690688985042183,0.489761012939578,0.854913486113957
"8819","PLA2G12A",174.437503974142,0.118108264149283,0.170741626187719,0.691736788423407,0.489102639551138,0.854913486113957
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"8924","ARID1B",539.426958750261,0.156346630135364,0.230541851908707,0
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"8951","RPL9",14286.0841162473,−0.146737591052157,0.217519350786733,−0.674595572860211,0.499932746473269,0.860577644231137
"8952","OCIAD2",5.2168344636447,−0.430705518690811,0.638836135555857,−0.674203437656278,0.500181984404127,0.860577644231137
"8953","LPCAT1",98.5134645805043,0.176766898032662,0.262239119819932,0.674067614908257,0.500268327600079,0.860577644231137
"8954","EGR1",8896.99502560217,0.143099911755171,0.212160389759464,0.674489295185638,0.500000289183363,0.860577644231137
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"8956","GLO1",453.796856732708,0.13804102072837,0.20477659074093,0.674105473818592,0.500244259707921,0.860577644231137
"8957","PURB",169.827460925313,0.16303860822427,0.241620632793595,0.674771050548263,0.499821235638129,0.860577644231137
"8958","PSPH",22.2608673860813,0.250135629949166,0.370681983619007,0.674798455287914,0.499803821935663,0.860577644231137
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"8963","KIFAP3",317.884405921608,−0.112237327153776,0.166706594336906,−0.673262672062927,0.50078019599209,0.861077011942724
"8964","IQCA1",9.81508974523477,0.42626828859758,0.633182532644297,0.673215489406187,0.500810208361204,0.861077011942724
"8965","CEP162",117.033650612855,0.175034998458159,0.26001529575579,0.673171929941207,0.500837916904214,0.861077011942724
"8966","MICU1",275.642651498912,0.128348942339899,0.19065788896042,0.673189780080611,0.50082656218175,0.861077011942724
"8967","EXOC3L1",3.6372624556057,−0.557554238824515,0.828407164929917,−0.67304371863042,0.5009194779154,0.861121194609779
"8968","RPP40",21.8102699512281,−0.333773576741447,0.496010984758604,−0.67291569541325,0.501000926294603,0.861165173821511
"8969","LINC01719",13.30801458903,0.360173384612484,0.535412706249799,0.672702347942493,0.501136673559586,0.861206446256524
"8970","PIN1",377.46192078088,−0.164829454242436,0.244998672513207,−0.672776927938459,0.501089218096229,0.861206446256524
"8971","RMDN1",124.542996188327,−0.12130449837131,0.180357053269919,−0.672579730994875,0.501214700246807,0.861244521714918
"8972","GTPBP2",59.3283071509937,−0.21620292650074,0.321602464537704,−0.672267629576554,0.501413333472253,0.861297808722396
"8973","AL138762.1",15.8144291688994,0.322407874480095,0.479548645494469,0.67231526459147,0.501383014039537,0.861297808722396
"8974","PGAP2",42.993837620538,0.196486131750918,0.292261600545958,0.672295407210092,0.501395653038769,0.861297808722396
"8975","ZNF468",27.6687665893331,0.20985471992801,0.312200788203194,0.67217869991868,0.501469939323106,0.861299065700911
"8976","KDM4C",47.8713799107746,0.189978324903889,0.282872230731199,0.671604718543112,0.501835373566514,0.861400871370334
"8977","GPRC5D-AS1",2.54906635010598,−0.810274715687296,1.20629644236532,−0.671704472657237,0.50177185342794,0.861400871370334
"8978","TBX5-AS1",10.3088782529784,−0.482175216788989,0.71772525163578,−0.671810300236831,0.501704470558963,0.861400871370334
"8979","SNHG19",172.305611476686,−0.193044080927493,0.287441486681201,−0.671594358755864,0.501841970582199,0.861400871370334
"8980","AC124283.1",9.4192033503015,0.350770975904404,0.522157255179502,0.671772674658747,0.501728427086454,0.861400871370334
"8981","ZNF577",28.1953068182305,0.211886767437149,0.315514753745855,0.67155898391941,0.501864497293349,0.861400871370334
"8982","KANSL1-AS1",37.8036129286205,0.204688214834866,0.304846402123363,0.671447041556469,0.501935785764631,0.861427314357804
"8983","NHLRC2",129.200271117025,0.160181410842311,0.238626064596978,0.671265358680937,0.502051498626999,0.86143408852796
"8984","C17orf82",4.53159055744587,0.50430827865876,0.751264899287576,0.671278904600754,0.502042870815407,0.86143408852796

"8985","LRP10",832.436193060051,-0.0875073829040835,0.130382173351128,-0.671160639947458,0.502118199846028,0.861452648928939
"8986","SNX11",41.9215206634474,-0.21570098567275,0.321526137222522,-0.67086609983271,0.502305834056955,0.861678659246379
"8987","RAD51-AS1",53.3079162282165,0.227624608421106,0.339354447496284,0.670757699215357,0.502374899059634,0.861701242795622
"8988","PIK3CD",8.42490042566916,-0.416978689801786,0.622203848619899,-0.670164112174298,0.502753178652835,0.86172775792959
"8989","TMEM18",237.12681866549,-0.1360515780606,0.203105607382842,-0.669856336384406,0.50294937645751,0.86172775792959
"8990","ABCB6",103.689101738819,-0.144761571893558,0.216068154957275,-0.669981061865329,0.502869862840918,0.86172775792959
"8991","LARS2",21.9552995310649,0.226550439762344,0.338144353709206,0.669981436263079,0.502869624168985,0.86172775792959
"8992","PIGG",70.4922464821722,0.165775160174776,0.247235842774357,0.670514268135764,0.502530013969538,0.86172775792959
"8993","MRPL1",167.004168730497,0.138278962835939,0.206277109488119,0.67035534470636,0.502631294048911,0.86172775792959
"8994","PIWIL4",16.8292112111732,0.308563828948803,0.460587519848197,0.669935279728163,0.502899048593614,0.86172775792959
"8995","CRTC3",131.492952990938,0.118317668702777,0.176532348806062,0.670232223742517,0.502709765045507,0.86172775792959
"8996","PCGF2",157.992097825821,-0.144226595431091,0.215220509683726,-0.670134066883478,0.502772329839555,0.86172775792959
"8997","PAXBP1-AS1",9.01853455017844,0.363996844786842,0.54286306707948,0.670513186216717,0.502530703427658,0.86172775792959
"8998","AC096921.2",16.9987502721278,0.270213288569279,0.403464685114182,0.669732193519757,0.503028525248002,0.861767583540559
"8999","HIST2H2BF",4.41653824935045,0.490842565108831,0.733155606305197,0.66949302561086,0.503181028203403,0.861770458667653
"9000","WDR75",74.428367856336,0.148555939953725,0.221885459772822,0.669516335616694,0.503166163743952,0.861770458667653
"9001","MMP11",47.6859690189485,0.280232818324157,0.418591223418153,0.669466540735893,0.503197917513302,0.861770458667653
"9002","PDE4B",51.4329279324086,0.274523348804041,0.410706636533356,0.668417124011449,0.503867367742912,0.862184009445849
"9003","AC010969.2",26.2833322608443,0.23651636207042,0.353728671198365,0.668637804419835,0.503726550950626,0.862184009445849
"9004","ANKAR",53.590650133181,0.202815939121556,0.303409737400688,0.66845560349869,0.503842812377973,0.862184009445849
"9005","MYNN",64.7202262695012,-0.16204986927901,0.242315730927145,-0.668755052175019,0.503651743278217,0.862184009445849
"9006","AC006160.1",3.4805329727474,-0.597005203520327,0.892845081879123,-0.668654860330128,0.503715668390963,0.862184009445849
"9007","BCKDHB",64.7727754118983,-0.143126360703568,0.214137088686078,-0.668386600293186,0.503886846649215,0.862184009445849
"9008","SUV39H2",11.1323797266551,-0.344525843062513,0.51511486954679,-0.668833037892373,0.503601989241073,0.862184009445849

"9009","RTKN2",5.25122030673304,−0.447553807192996,0.669429846985579,−0.668559684346787,0.503776397214578,0.862184009445849
"9010","HSD17B12",344.163325485908,−0.0882626025108974,0.132093603409125,−0.668182260404595,0.504017257692597,0.862311434775959
"9011","HELQ",76.5877604051612,−0.152872604743539,0.228833657581237,−0.668051222706468,0.504100896173374,0.862351333948746
"9012","AC015712.1",9.37816400367186,−0.389965344931405,0.583806293030381,−0.667970437432594,0.504152463285507,0.862351333948746
"9013","JADE1",187.841289089845,0.200302777329508,0.30006075829072,0.667540728986097,0.504426802906344,0.862724860401786
"9014","MLLT10",155.058671094563,0.124341045004314,0.186310730975959,0.66738531029841,0.504526046551771,0.862798869269531
"9015","ATP13A1",62.9585664023261,0.139839700652275,0.209591163765363,0.667202271985212,0.504642940095436,0.862903041771619
"9016","UNG",60.700616083181,0.153247479913623,0.229733237201847,0.667067080846368,0.504729286220521,0.862918869438288
"9017","SNX5",361.008198133278,−0.112319885443148,0.168392476835831,−0.667012491019124,0.504764154766464,0.862918869438288
"9018","AC011445.2",2.77401890957985,0.58671619194507,0.879765809085865,0.666900424960487,0.504835739490183,0.862945544936923
"9019","ASB3",86.9780832537708,0.154558303071552,0.231815121036179,0.66673089477813,0.504944040888186,0.862996702388077
"9020","SSTR2",2.53494166714232,−0.637651532246056,0.956513731776995,−0.666641273472821,0.505001298841424,0.862996702388077
"9021","TRAPPC2B",90.1326230343846,−0.20175999530321,0.302674489017954,−0.666590686112438,0.505033619996292,0.862996702388077
"9022","THAP11",124.575703435013,−0.175897271060748,0.263940542970807,−0.666427632075469,0.50513780550817,0.863079059178502
"9023","FAM111A-DT",25.8513389984545,−0.213123851666421,0.319846226979241,−0.666332236210038,0.505198765195183,0.863087550203229
"9024","ME1",29.8387446681711,−0.205033649079133,0.307764431148175,−0.666203200656472,0.505281227418235,0.863132770462334
"9025","TSNARE1",7.9069336736997,−0.339962688400387,0.510520882837678,−0.665913383426627,0.505466465569916,0.863353525402798
"9026","RBBP7",473.34934576064,−0.117228218344937,0.176071316586583,−0.665799635156875,0.505539178123656,0.863382055259933
"9027","AFDN-DT",6.11969835852827,0.45833621472068,0.688928686323475,0.665288329285037,0.505866093788287,0.863507518450824
"9028","STYXL1",51.4199383494981,0.213839740430744,0.321444280269862,0.665246680548241,0.505892727805993,0.863507518450824
"9029","ARHGAP27",19.1491130213801,0.331276308757041,0.497834590324562,0.665434494097861,0.505772628456663,0.863507518450824
"9030","TOB1-AS1",5.57422765569007,0.450323352767803,0.676817084928829,0.665354588108776,0.505823723347407,0.863507518450824
"9031","BAHCC1",35.6642141344578,−0.202923495601386,0.304898559456603,−0.665544291068612,0.505702424580805,0.863507518450824
"9032","AC005520.2",21.5792428720532,0.226241249520957,0.3401327878002

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"9033","MAT2A",469.100367734885,0.154407488279865,0.232180165923545,0.665033068891467,0.506029342266032,0.863549464300995
"9034","BRF2",71.4798943311232,0.188769171254446,0.283914615402772,0.664880076661961,0.506127199748291,0.863620852791665
"9035","SSU72",515.528021088952,−0.155427202593429,0.23389512102662,−0.664516651357337,0.506359695156045,0.86369138162497
"9036","PIK3R3",2.8724985245229,0.698515270414415,1.0512976563273,0.66443149208063,0.506414182535098,0.86369138162497
"9037","JAK1",856.496063342969,−0.107042309747848,0.161148472698608,−0.664246504824443,0.506532553377823,0.86369138162497
"9038","SHROOM1",24.8340782022567,0.24965026911527,0.375852002847021,0.66422492689731,0.50654636174885,0.86369138162497
"9039","ZFAND2A",84.2255578701754,−0.216452375944524,0.32588312830695,−0.664202461382558,0.506560738324447,0.86369138162497
"9040","NLRX1",31.6234446319762,0.192980889481539,0.290436247348073,0.664451807388426,0.506401183930996,0.86369138162497
"9041","ZNF772",6.26943010702018,0.389294353410877,0.585750831437671,0.664607427795518,0.506301617149028,0.86369138162497
"9042","STK35",76.4967879425748,−0.223355797267896,0.336335301643108,−0.664086690206856,0.506634828301294,0.863722171893877
"9043","WDSUB1",51.0927510058661,0.180883247448942,0.27243419061053,0.663952079742926,0.506720982003004,0.863773519581589
"9044","TENT4A",63.6176382196876,−0.162423730947055,0.244731030091554,−0.66368261877659,0.506893466170838,0.863972001440012
"9045","LSM5",404.136219748705,−0.175572437649894,0.264617644209946,−0.663494825426668,0.507013692471565,0.863989696506207
"9046","PORCN",39.2348931843695,−0.196579307768453,0.296280155756358,−0.663491306957821,0.507015945157,0.863989696506207
"9047","STK25",262.698033633211,−0.11806734260498,0.17813732539221,−0.662788342336605,0.507466120873387,0.864291392174859
"9048","MRPS25",196.076753890424,0.171631537210901,0.25895816349213,0.662777086832858,0.507473330559497,0.864291392174859
"9049","CD96",4.22442040390887,0.559132221713112,0.843318147315554,0.663014573435825,0.50732122048721,0.864291392174859
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"9051","RNF169",145.726964219973,0.144595480477237,0.218159309986376,0.662797661425806,0.507460151593702,0.864291392174859
"9052","TMEM50A",1307.70103790201,−0.149159587687928,0.225274737418605,−0.662123012092388,0.507892388934623,0.864468915182715
"9053","SPICE1",46.9679745484303,0.164184935911204,0.247966076240305,0.662126603770151,0.507890087291076,0.864468915182715
"9054","TNFSF13B",200.3484476493,−0.185611040087846,0.280244443977872,−0.662318358406069,0.507767213719165,0.864468915182715
"9055","GZMM",8.09320807549087,0.358347767400979,0.540968047612107,0.66241947027418,0.507702429151199,0.864468915182715
"9056","SETD4",54.1912392045416,0.16651843769766,0.251468402348358,0.662184338639025,0.507853089988098,0.864468915182715
"9057","CBX6",324.340781863325,−0.126432456704962,0.190959847113952,−0

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"9058","POLR2B",163.590954508125,0.109445758742942,0.16544858611456,0.661509181270123,0.508285828597666,0.864664489262536
"9059","ABHD11",55.6992426358587,0.18018488674618,0.272401283788407,0.661468566668511,0.508311866481022,0.864664489262536
"9060","IGHG1",86.6223528323129,0.671820748553952,1.0157787785921,0.661384902611487,0.508365505428892,0.864664489262536
"9061","PPP4C",313.707075939321,−0.177688111428944,0.268483186903507,−0.661822118093397,0.508085229323608,0.864664489262536
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"9064","KLF9",1634.77191132219,−0.195989000874795,0.296479552870543,−0.661054022030226,0.508577669646188,0.864834503871592
"9065","POLD1",18.1582754098731,0.267338615270808,0.404389747657307,0.661091476278867,0.508553651246041,0.864834503871592
"9066","ZFC3H1",199.370535009475,0.14771773301985,0.223586965225269,0.660672382538138,0.508822438664362,0.865137552395561
"9067","CHFR",42.3551806062866,0.208906104741077,0.316236359745752,0.660601155759046,0.508868127639997,0.865137552395561
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"9069","IFIT3",392.853159026691,0.210814406856059,0.319223045917536,0.660398456665682,0.508998162325969,0.865250515158837
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"9144","HEXIM2",51.0953474893766,0.231242418132988,0.355723061758037,0.650063049019518,0.515651496265046,0.869315222650797
"9145","LYPLA2",70.1086335780272,-0.164792006669178,0.253670126979841,-0.649631111992445,0.515930531436322,0.869546550180082
"9146","SMIM20",337.642785305599,-0.171863816267237,0.264516816445316,-0.649727373014738,0.515868339175245,0.869546550180082
"9147","YY2",9.77794957255531,0.345832456025896,0.532407443660665,0.649563525348297,0.515974200097127,0.869546550180082
"9148","RPS3A",14515.8379622142,-0.171242098282727,0.263721415218829,-0.649329513648467,0.516125413086495,0.869626992877086
"9149","AC021097.1",4.47701170455561,0.508210613682957,0.782792498149558,0.649227751778811,0.516191176440177,0.869626992877086
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"9151","SMIM19",683.363965677143,-0.194102900335369,0.29908440932705,-0.648990366205003,0.516344603162439,0.869741145611322
"9152","SOX12",25.776672585458,0.225257624812977,0.347111806231012,0.648948323765924,0.516371778438847,0.869741145611322
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"9162","CD14",124.499910841813,−0.327997257856818,0.50716300339441,−0.646729465007409,0.517807049756298,0.87020277599098
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"9165","AL023806.1",5.82447961891284,−0.416479984250549,0.643701545457008,−0.647007898598194,0.517626831495294,0.87020277599098
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"9169","POLE",34.2103238959134,0.204226006504729,0.315821029886712,0.64665106873341,0.51785779819725,0.87020277599098
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"9274","TIMELESS",5.39664812978259,0.394686677235619,0.622459860627913,0.634075708652883,0.526031414767706,0.874280310888743
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"9276","MYD88",81.9842724973677,−0.133169201977598,0.210106908049928,−0.633816390015853,0.526200655544088,0.874309871551534
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"9468","RTL8A",316.270160990582,-0.140711488243136,0.229367120928734,-0.613477152581326,0.539560885307912,0.878527647649186
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"9513","HNRNPH1",752.921384772591,0.1283388858592,0.210691344756419,0.609132216644083,0.542436804840623,0.878803273474277
"9514","ITGB4",2.47425155695754,0.648928866376494,1.06535899617009,0.609117554466955,0.542446522679711,0.878803273474277
"9515","SMARCB1",252.316912390675,−0.161787040833824,0.265545076844145,−0.609263944022508,0.542349502090155,0.878803273474277
"9516","TRAF3IP2",102.144072921306,−0.140395271607036,0.230546791756421,−0.608966494555982,0.542546647646379,0.878819865589622
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"9519","GREB1",9.94616587065742,0.441839391326322,0.726486227185043,0.608186879245243,0.543063535765028,0.87922025188551
"9520","FOXO1",390.266721354834,0.157591689974004,0.259103530205886,0.608218999751877,0.543042234895354,0.87922025188551
"9521","STAT5A",99.2667934442316,−0.158772078064705,0.260988844387252,−0.608348140080351,0.542956599060506,0.87922025188551
"9522","RAMP2−AS1",172.553084242892,0.189132428594808,0.311008044448096,0.608127127163013,0.543103161755032,0.87922025188551
"9523","EFEMP2",1065.60599323618,0.166245251216589,0.273480683869152,0.607886629741389,0.543262667801805,0.879342366450324
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"9527","SIX4",6.06501892163594,−0.381662962192225,0.628458732894673,−0.607299958160006,0.543651866112391,0.879468455073856
"9528","C1QTNF1-AS1",2.77479510712941,0.570446582314637,0.939083548442876,0.607450299028784,0.543552116661806,0.879468455073856
"9529","CHAF1A",29.2671080009089,−0.194148182103238,0.319693914656827,−0.607293955881657,0.54365584874465,0.879468455073856
"9530","EGLN1",159.001686837333,0.120660242679868,0.198822175144381,0.606875176736432,0.543933752955401,0.879723242957307
"9531","LINC02308",9.26901692459862,0.424952067377731,0.700318106033053,0.606798630103781,0.543984557370681,0.879723242957307
"9532","SPECC1",16.7604194283014,−0.329202141003775,0.542387656599475,−0.606949913034016,0.543884152346287,0.879723242957307
"9533","MIB2",95.4063117309369,−0.121418235650507,0.200333734503125,−0.606079829498774,0.544461744329174,0.879834612438308
"9534","AKR7A2",523.414454578314,−0.180290120145078,0.297230830384473,−0.606566014406613,0.544138960151722,0.879834612438308
"9535","HES6",16.4196835580241,−0.249477298817069,0.411514134762356,−0.606242356562402,0.544353830012878,0.879834612438308
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"9537","DNAJC15",586.123142978908,−0.16180784148652,0.267041179194286,−0.605928426375007,0.544562282163594,0.879834612438308
"9538","LMO7-AS1",7.75927360029814,0.607412802714291,1.00153168982624,0.60648385755989,0.544193498417701,0.879834612438308
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"9543","PLCD4",4.96239619338627,−0.405257868108291,0.669642616913296,−0.605185300147591,0.545055881927658,0.88035776595532
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"9546","CLUH",34.1639907951353,−0.163710338140117,0.270632344686988,−0.604917857580783,0.545233577137557,0.88035776595532
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"9901","TRIM66",24.844006815577,0.235509934520251,0.415709243650592,0.566525614037583,0.571036525796161,0.888874890957066
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"9918","RPL37A",14406.0238961658,−0.151864869299341,0.26934673291849,−0.563826661841481,0.572872104918121,0.889641398327657

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"10106","PEMT",112.203855149256,-0.152170076458955,0.278990587101542,-0.545430862165867,0.585457219243514,0.894052395630858
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,−0.540757967806512,0.588674417554163,0.894736358370876
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"10144","ODR4",172.653426966403,0.095314313415606,0.176366619919581,0.540432840744282,0.588898564762327,0.894771694696502
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"10148","NAPRT",150.71898862459,0.160386488701915,0.296986536718285,0.540046328275325,0.589165083184435,0.894952676122199
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"10155","DIABLO",2.94063613368035,−0.438663911271935,0.814336683851627,−0.538676348457194,0.590110196236982,0.895594041054748
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"10166","VARS2",25.9959450104316,0.181810318310832,0.33817111568824,0.537628170699365,0.59083377771365,0.895898355641936

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"10169","PLCD1",59.3064907253966,0.114883917752687,0.213864112003768,0.537181842602289,0.591142012225727,0.896024834326913
"10170","DGCR8",76.2425141814882,-0.130577229208418,0.243083297212887,-0.537170717632901,0.591149696082044,0.896024834326913
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"10385","RET",3.82747232619401,0.445302426793882,0.868147638770299,0.512933983699636,0.607997500506103,0.902336171802458
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"10477","AARS",115.846622699655,0.10008562668736,0.198785074453573,0.503486627265544,0.614622179994859,0.904304753710104
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"10487","ACSL4",215.926072056535,0.116524463315341,0.23168613110809,0.502941038196963,0.615005727171058,0.904380500184037

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"10498","DIS3L",104.186018480486,0.105086704102765,0.209701510032652,0.501125166368149,0.61628303630439,0.904887013482929
"10499","MED11",152.981180985413,−0.144056832943064,0.287488227351316,−0.5010877637331,0.616309358064046,0.904887013482929
"10500","HDHD2",92.1015571450528,0.11073980036786,0.221058638866084,0.500952149782057,0.616404799268933,0.904940950545771
"10501","LANCL3",7.76672471872357,−0.380145396411265,0.759080706759055,−0.500797073389365,0.616513945528091,0.905014995744741
"10502","MYH7B",3.83578341904386,0.397867198935133,0.794749055609411,0.500619907789699,0.616638649042677,0.905111862025601
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"10504","HCLS1",24.2449707333961,−0.226925785129625,0.454510788635194,−0.499274804479423,0.617585802391316,0.905445264815188
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"10514","TOP3A",53.2244030206882,0.132319136463057,0.264964059312137,0.499385225326655,0.617508025655208,0.905445264815188
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"10863","LINC01366",4.42455122538371,0.382706002151835,0.8254514249715
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"10865","TMEM91",141.084661538665,0.107750709472731,0.232462234251211,
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"10866","AL109627.1",2.66039083520287,0.440153067702489,0.953734060880
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"10868","PTCH2",57.6734079379548,−0.130458869010631,0.282234098938204,
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"10884","IER3−AS1",8.0552611425874,−0.26299132523238,0.570143949660687,−0.461271798795542,0.644603615242604,0.912420533909187
"10885","RBM48",65.1978392671791,0.111975237545729,0.243531776565434,0.459797235190137,0.645661767930575,0.912420533909187
"10886","DOCK5",8.30003491128651,0.322510515646522,0.701075500274838,0.460022516148533,0.645500058930193,0.912420533909187
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"10888","PDCD1LG2",51.7087273494824,0.147819241154985,0.320685708777502,0.460947392131979,0.644836349081344,0.912420533909187
"10889","RANBP6",54.8920381722674,0.123235328512073,0.266643791760601,0.462172127460281,0.643957889468823,0.912420533909187
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"10892","ZBTB3",11.8523534555863,0.243951126533192,0.529004627958637,0.461151214261714,0.644690120193883,0.912420533909187
"10893","AP003486.1",17.4960608142858,0.169830410686714,0.368211663286442,0.461230394417458,0.644633317379314,0.912420533909187
"10894","IFNG",5.27526802409655,−0.366214334580557,0.79612324778566,−0.459997036387452,0.645518347725685,0.912420533909187
"10895","CEP83",71.4611593575234,0.117957633933846,0.255620553207485,0.461455984089434,0.644471493656036,0.912420533909187
"10896","FAM155A",11.0922145856563,−0.261222999018693,0.568001146751006,−0.459898717657352,0.64558920692963,0.912420533909187
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"11149","AP000842.1",2.42557767040607,0.55088897063305,1.27139497204894,0.433294910507042,0.664800535106915,0.919186024476544
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"11196","FMO5",20.1021924825676,0.151270425574332,0.353529096605364,0.427886776581763,0.668733554876759,0.920155850698123
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"11198","NOL10",84.3669755483496,0.0851203664044854,0.198975520859474,0.427793157855842,0.66880171880783,0.920155850698123
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"11208","AL391988.1",7.64283903362936,0.241311211617822,0.564647400434177,0.427366196022986,0.669112624950913,0.920268657531971
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"11214","PLXNA3",54.0340340464956,0.123337282725214,0.289230077079664,0.426433115015361,0.669792275645474,0.920710534071249
"11215","ZNF200",29.9055869594454,0.137507685547377,0.322574397907985,0.426282080782499,0.669902313535884,0.920779684632693
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"11217","C18orf54",17.8908612947554,0.201221233305263,0.472513686903843,0.425852708360195,0.670215176909211,0.92094709408546
"11218","ZNF814",10.0284151411019,0.20253297127532,0.475572775616805,0.42587166814299,0.670201360604626,0.92094709408546
"11219","CDK16",127.765235910369,0.0758563115307291,0.178106843323412,0.425903407838109,0.67017823161809,0.92094709408546
"11220","SEMA5A",22.7002595405808,0.45363959613917,1.06562700006315,0.425702047820001,0.67032496967995,0.920950036329449
"11221","GPR155",31.1333504979337,-0.141891810451992,0.33370267837852,-0.425204290062795,0.670687757072341,0.921120079763911
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"11228","ZEB2",834.245715546577,0.0742674872116107,0.175065958331196,0.42422574850965,0.671401184303358,0.921128275112573
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"11230","CASP6",88.0037354933457,0.0916310577017677,0.215696913753941,0.424813948920461,0.670972308313547,0.921128275112573
"11231","BRIX1",154.056949409038,−0.0955623475516285,0.22531658656222,−0.424124779314635,0.671474814983617,0.921128275112573
"11232","ZNF680",99.4211696411488,−0.115946547243729,0.273003665292546,−0.424706925159713,0.671050334836395,0.921128275112573
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"11236","DLGAP1−AS2",10.1563430887561,−0.269229637692964,0.633697508073498,−0.424855130820142,0.670942285267573,0.921128275112573
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"11238","ZNF121",46.8022103795369,0.122256920470999,0.288398191344249,0.42391708457376,0.671626284013419,0.921128275112573
"11239","AL021707.1",2.55245185971648,0.46590133977235,1.09840122378336,0.424163165229902,0.671446822103534,0.921128275112573
"11240","MIRLET7BHG",37.8179215556475,−0.189900704315557,0.447657613246622,−0.424209705579023,0.671412883224186,0.921128275112573
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"11242","XYLT2",49.3199658753956,−0.121408892425174,0.286575387409208,−0.423654290491497,0.671817955377264,0.921194963720026
"11243","WRAP53",25.9906278775564,−0.162648429250709,0.384110041436031,−0.423442273580333,0.671972607482716,0.921325068428895
"11244","FBXO48",26.0579620167123,0.146700979740765,0.347031311748223,0.422731248663807,0.672491353762425,0.921342679635737
"11245","PLCL2",90.135733414211,0.121091838396433,0.286458990729712,0.422719629389079,0.672499832194896,0.921342679635737
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"11249","C1QTNF4",249.30580100973,−0.299662617895418,0.708682715261231,−0.422844541629547,0.672408687553058,0.921342679635737
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"11254","ZNF473",16.5922555897327,0.161049793605161,0.381248707551218,0.422427120185123,0.672713286044581,0.921342679635737
"11255","DDT",464.979207552167,−0.0914280873427913,0.216469697699468,−0.422359749722217,0.672762452285427,0.921342679635737
"11256","EP300",262.074127932286,0.0942382374913387,0.223029350985712,0.422537379384546,0.672632823083032,0.921342679635737
"11257","NBEAL2",15.3496357773141,−0.232828613916935,0.551554295723843,−0.422131811359347,0.672928809629548,0.921406786324346
"11258","TPSB2",24.538250436229,−0.306081446819116,0.725038222688123,−0.422159049331634,0.672908929567848,0.921406786324346
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"11304","LINC01006",12.1874992660892,0.238717439508515,0.57234363366216,0.417087612176401,0.67661432556389,0.922683105853446
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"11311","CDC42EP5",226.695379441603,-0.100437055197125,0.241573785623999,-0.41576139951481,0.677584607260685,0.923434419673191
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"11317","KRBOX1",23.366231023718,-0.178990106838045,0.431526529694937,-0.414783552159772,0.678300361293928,0.923826639384639
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"11324","IRF8",31.4357932075357,−0.19118095605546,0.461634275121073,−0.414139431057885,0.678771996691286,0.923909079823062
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"11346","CR381653.1",3.17480457334893,0.370930660153159,0.899528764175539,0.412361088300645,0.680074779429911,0.924277819947989

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"11392","ARHGAP8",4.2288998518793,−0.329555811485623,0.810455739266218,−0.40663023965257,0.684279583865927,0.925991693917719
"11393","YAF2",128.84078369804,−0.0828712774657428,0.203901004715624,−0.40642898048159,0.684427429537395,0.926046592321509
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"11450","AC008760.2",53.8756702912027,0.191517873189134,0.479405175286691,0.399490625178594,0.689531730060561,0.92830843833044
"11451","DHDDS",73.5445689702067,-0.101600525023181,0.257070490760063,-0.395224378818379,0.69267730248522,0.928603479093633
"11452","SRSF4",447.262199415737,-0.0751297558079776,0.190346344739534,-0.39470028127298,0.693064095165245,0.928603479093633
"11453","NFYC-AS1",2.74962469328653,-0.345135413341524,0.874264576105572,-0.394772272346818,0.693010959815876,0.928603479093633
"11454","GSTM4",81.0446706607427,0.0948397077255507,0.238583005454312,0.397512419398674,0.690989630055545,0.928603479093633
"11455","RRP15",140.443435054333,-0.103227675103741,0.259531336826072,-0.397746477809423,0.690817073548651,0.928603479093633
"11456","JMJD4",56.0444779713389,0.121113218529627,0.305714566987456,0.396164369016138,0.691983774879856,0.928603479093633
"11457","CEBPZOS",201.83196433616,0.0743726015208766,0.187822040438128,0.395973770423266,0.692124378243228,0.928603479093633
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"11460","RPP14",77.6590587474737,0.0996213353042353,0.25193257685034,0.395428556916699,0.692526637341698,0.928603479093633
"11461","U2SURP",526.838349312137,0.056611654073036,0.14278720727325,0.396475672814995,0.691754150889858,0.928603479093633
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"11464","C6",13.536058633278,0.214339928985532,0.540410181444749,0.396624520308831,0.691644367975776,0.928603479093633
"11465","AC109454.2",5.8667104294049,0.283053464393512,0.71278814398193535,0.397107424952744,0.691288244843367,0.928603479093633
"11466","LRRTM2",4.04007669743023,-0.329852902514127,0.828248557345159,-0.398253518933286,0.690443319203131,0.928603479093633
"11467","LINC00847",42.9319456920326,0.112423329153455,0.282298385802622,0.398242904697511,0.690451142483304,0.928603479093633
"11468","TRIM38",275.075593260219,-0.0859489354047607,0.217304255288494,-0.395523480617784,0.692456596296599,0.928603479093633
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"11472","SHB",12.0092256830986,-0.193168701527678,0.487073774838322,-0.396590232335539,0.691669656598545,0.928603479093633
"11473","ARRDC1",56.5722328410182,0.12004984992979,0.302151112224016,0.397317253099449,0.691133526136878,0.928603479093633
"11474","AL022344.1",6.68324237381166,-0.219774917449698,0.556274262190804,-0.39508374265627,0.692781086444675,0.928603479093633
"11475","NT5C2",83.4670020518089,0.0872758543908596,0.221076525648702,0.394776669005301,0.693007714768263,0.928603479093633
"11476","VTI1A",75.796861002422,-0.0928015577610103,0.234727460981335,-0.395358759358751,0.692578140317958,0.928603479093633
"11477","UROS",223.830634694324,-0.0948161969907344,0.239746473378411,-0.395485262638581,0.692484795757421,0.928603479093633
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"11481","TSFM",97.609495229674,-0.0980550619297433,0.24725713737277,-0.39657120911302,0.691683687062804,0.928603479093633
"11482","PHLDA1",289.008793471612,-0.183416219082686,0.463458281689275,-0.39575561885343,0.692285320285313,0.928603479093633
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"11484","CHPT1",598.338275040096,-0.115915208408919,0.293160925513475,-0.395397879870558,0.692549273476918,0.928603479093633
"11485","ENOX1",5.24807665111571,0.256156517127754,0.648977359634699,0.394707940615897,0.693058441866753,0.928603479093633
"11486","HSP90AA1",4728.65573896535,0.0772475769683816,0.195339565614873,0.395452793832259,0.692508753477037,0.928603479093633
"11487","ATP5MPL",975.063554321845,-0.0885238813644754,0.222421076588995,-0.398001316790925,0.690629215103739,0.928603479093633
"11488","FLYWCH2",243.807335529885,-0.114938658532122,0.28989339868263,-0.396485946401128,0.691746573367509,0.928603479093633
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"11490","USP7",225.919931826986,0.0773545863963581,0.194261647444194,0.398197932603139,0.690484289776786,0.928603479093633
"11491","KNOP1",190.901326535398,-0.103219240475137,0.259457174292841,-0.39782765983043,0.690757226915386,0.928603479093633
"11492","AC135050.6",19.7734350989998,0.16045474715382,0.404797911249982,0.396382349549059,0.691822985048273,0.928603479093633
"11493","ITFG1",285.515236075948,-0.0631691857953091,0.159624288330958,-0.395736679272374,0.692299293679525,0.928603479093633
"11494","NKIRAS2",104.581423739314,-0.0770117970818217,0.1929880792347

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"11495","GPATCH8",272.682178283459,0.0791423086447314,0.198579189219597,0.398542812848391,0.690230106286779,0.928603479093633
"11496","DYNLL2",184.685577708887,-0.0713751608980426,0.1806581212776,-0.3950841533903,0.692780783330709,0.928603479093633
"11497","APBA3",41.5821160091138,0.100060536525592,0.252120093921044,0.396876484414318,0.691458545868533,0.928603479093633
"11498","PODNL1",6.71146375409273,-0.25190010479024,0.632724212577015,-0.398119907193498,0.690541800873911,0.928603479093633
"11499","BX322562.1",4.83585753068812,0.29869514767439,0.752221830835754,0.397083859348413,0.691305621963016,0.928603479093633
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"12087","NDUFAF7",61.6425122059105,0.0863253863722233,0.259136481431888,0.33312710697939,0.739038338446668,0.942290334976199
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"12188","SIRT6",58.1187852995713,−0.0987139712951538,0.305839117450237,−0.322764374021631,0.746873695535262,0.94469286150457
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"12190","PRKAG1",190.204643914661,−0.0835899453344547,0.259344257720025,−0.322312689971698,0.747215820484254,0.944836152286
"12191","DNAJC14",51.3958813324123,0.0837984256488603,0.260002528335634,0.32229850296181,0.747226567143602,0.944836152286
"12192","ROGDI",39.6723689804801,−0.123806557245081,0.384482188529907,−0.32200856356562,0.747446206984318,0.944985470513885
"12193","MT−ND6",237.520795511186,−0.123355354024058,0.38311404001991,−0.321980771097941,0.747467261886202,0.944985470513885
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"12195","TNFSF10",822.302693706135,−0.10219862684998,0.317791538508544,−0.321590144689244,0.747763210941179,0.945036339639272
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"12197","TBKBP1",19.6909079458108,0.124392030840847,0.386670389055659,0.321700431069061,0.747679651250337,0.945036339639272
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"12313","USE1",251.949184718924,-0.0794347128271298,0.256636865416537,-0.309521832329906,0.7569246071941,0.947723700117726
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"13003","METTL18",34.0317758309291,0.0855076698127885,0.361383628896313,0.236611907611681,0.812957881556402,0.963683923730539
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"13005","C5orf15",421.314117233798,0.0518858877528618,0.21959701868245,0.236277742130424,0.813217157234155,0.963907522523684
"13006","ARMC1",168.881138042156,−0.0429795116383788,0.181968991812111,−0.236191403878066,0.813284149555689,0.963907522523684
"13007","PSMD5",121.293876362268,−0.0438884648817434,0.185868025328909,−0.236127030478099,0.813334099608534,0.963907522523684
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"13010","C1orf52",184.909686720717,−0.0489419174161929,0.211581488711203,−0.23131474173053,0.81707029497 1014,0.96396893526626
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"13014","SEC16B",19.1559376801076,0.106315350448274,0.455255165234679,0.233529147095935,0.815350539034549,0.96396893526626
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"13057","MYO18A",34.3036841737885,0.0941471406291276,0.402597468930574,0.233849310774884,0.815101966255226,0.96396893526626
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"13059","RBBP8",43.0182526925431,0.0728057699190669,0.313251352619324,0.232419650578632,0.816212087806317,0.96396893526626
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"13149","LYAR",130.89409444397,-0.0457852963921614,0.205847247494168,-0.222423651273056,0.8239841018557,0.965307373531829
"13150","PPAT",44.136813809078,0.0693089275741722,0.313078777749971,0.221378555494181,0.824797688451048,0.965307373531829
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"13152","SMN1",22.0028816675987,-0.0941863569627937,0.424027694922852,-0.222123125660295,0.824218035826233,0.965307373531829
"13153","FAF2",195.052709347733,0.0336941907273614,0.151779143930245,0.221994866059112,0.824317879918512,0.965307373531829
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"13155","HIST1H4J",6.6099986968959,0.164536152268116,0.743941595462549,0.221168104151799,0.824961543497875,0.965307373531829
"13156","APOM",23.6831239466451,0.092066602701511,0.411534141156844,0.223715588803172,0.822978615252656,0.965307373531829
"13157","PAPOLB",2.89186267687391,0.216706492686552,0.982227165901662,0.220627671693055,0.825382353052032,0.965307373531829
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"13162","RPL12",14958.7238453163,-0.0537277875602562,0.242487366839733,-0.221569429618025,0.824649082607646,0.965307373531829
"13163","MED27",66.2950915487284,-0.0585429631584013,0.265602370137591,-0.220415816048908,0.82554732885999,0.965307373531829
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"13166","SMC3",477.537765653048,-0.0396431170339178,0.180075383708296,-0.220147341727372,0.825756405718857,0.965307373531829
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"13184","KMT2B",118.468324925866,−0.0468393010092555,0.209068197755309
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"13185","TIMM50",114.291410022986,−0.0505839268806923,0.22694514107126
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"13192","WDPCP",50.6515711405028,-0.0584014025075667,0.265965483655743,-0.219582637960493,0.826196214311292,0.965327700771
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"13197","SHC3",54.7685273291688,0.0726193868249702,0.331350119023117,0.219162096694173,0.826523780171091,0.965436392463239
"13198","LINC01048",35.8127514566797,0.102178103276624,0.466415241035913,0.219071107217007,0.826594657205704,0.965446025217906
"13199","AC009630.1",6.19129459727448,-0.141943045397643,0.64845339891831,-0.218894751163952,0.826732035290075,0.965533322524169
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"13209","GOLGA4",862.212990940937,-0.0440705866652499,0.202319640655282,-0.217826536872605,0.82756426755245,0.965802449100531
"13210","ADAMTS9",3.23503102857734,-0.191096985682847,0.877977465014556,-0.217655911794591,0.827697217357185,0.965802449100531
"13211","SEC24B-AS1",9.16104525364908,0.124843683389805,0.5768369314876,0.216428034640304,0.828654115588948,0.965802449100531
"13212","ADAM19",32.3468091245495,0.101414551942928,0.468012108565765,0.216692154084892,0.828448262871384,0.965802449100531
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"13217","MTMR9",109.3739128537,-0.0482021567014505,0.221992270914506,-0.217134391674448,0.828103612589849,0.965802449100531
"13218","ZNF79",5.91810985685776,-0.143971341627761,0.661737238355578,-0.217565724403739,0.827767492703111,0.965802449100531
"13219","MSS51",7.32831987035747,0.119198292078392,0.548909896031355,0.217154569338613,0.828087888262231,0.965802449100531
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"13222","ZNF226",88.4789289074407,0.0582110800699514,0.268421053537678,0.216864807371678,0.828313704559291,0.965802449100531
"13223","IGLC2",199.976312982581,0.188003626674135,0.868402586031733,0.216493628298874,0.828602991283722,0.965802449100531
"13224","LRRC75B",66.4240597841681,0.0510847189861951,0.236029133752974,0.2164339553085,0.828649500935498,0.965802449100531
"13225","MIATNB",20.1684693590522,-0.0900383972224091,0.415764907170225,-0.216560839237798,0.828550607208269,0.965802449100531
"13226","MECP2",228.301145919262,0.0412738644846944,0.18970260624287,0.217571415080364,0.827763058403138,0.965802449100531
"13227","ZBTB8A",158.738375891835,0.0372105619864351,0.174133268446489,0.213690136976152,0.830788703248452,0.965892817431176
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"13229","RASAL2-AS1",7.44259068867662,-0.167165770113773,0.784487053037022,-0.213089265739462,0.83125733707685,0.965892817431176
"13230","HSD11B1-AS1",18.5659573536198,-0.112310693497342,0.522012019336798,-0.215149631305481,0.829650659651324,0.965892817431176
"13231","TSGA10",23.4186004051638,0.0690405349254054,0.324327301514273,0.212873028582723,0.831426000291552,0.965892817431176
"13232","RBM45",32.5096278511368,0.0698849320858021,0.32800236495337,0.213062281108056,0.83127838444453,0.965892817431176
"13233","UBA3",121.545269195868,-0.0449776565758319,0.211213355152776,-0.212948923344825,0.831366802112818,0.965892817431176
"13234","MAP9",82.5109528748733,0.0485895486061547,0.226685945567672,0.214347424514897,0.830276137912451,0.965892817431176
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"13241","RPA3",214.660758797198,-0.059291609089446,0.27821356921305,-0.213115446730932,0.831236916644789,0.965892817431176
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"13244","RARRES2",917.690221428903,-0.0763067020212315,0.356979507656076,-0.213756533315485,0.830736922846363,0.965892817431176
"13245","GIMAP5",3.00678976290565,-0.202186270697875,0.942902452517205,-0.21442967950514,0.830211998984435,0.965892817431176
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"13248","API5",149.258418286355,0.0397574581851815,0.183979625891473,0.216097070491022,0.828912083178817,0.965892817431176
"13249","RCOR2",2.45070586516745,0.25086730951693,1.17171017315346,0.21410355159908,0.830466306240665,0.965892817431176
"13250","CCDC82",310.15410561721,-0.0349093825909749,0.163483018269227,-0.213535221948775,0.830909519428112,0.965892817431176
"13251","CD69",48.2972051180048,0.108219066778437,0.507884343639024,0.213078170520162,0.831265991068126,0.965892817431176
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"13253","LINC00571",2.98959002071004,0.194815030177769,0.909692315050357,0.214154859785734,0.830426296085052,0.965892817431176
"13254","ACOT1",3.15799168524401,-0.193333981276272,0.902810014169231,-0.21414691711653,0.83043248975464,0.965892817431176
"13255","SPTLC2",96.421665594803,-0.0435918026084266,0.204037348663804,-0.213646192199123,0.830822974792256,0.965892817431176
"13256","CHST14",134.373785915116,-0.0486594709323766,0.227964616360186,-0.213451858052805,0.830974535481516,0.965892817431176
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"13258","RNF111",65.465454951575,0.0500962981767264,0.234315855577733,0.213798157419643,0.830704461900632,0.965892817431176
"13259","AC116667.1",7.05635266042373,0.137816120764162,0.642818930466264,0.214393376163017,0.830240306640552,0.965892817431176
"13260","CMC2",129.097246176625,-0.0587263016974375,0.275701917982131,-0.213006504007142,0.831321889633963,0.965892817431176
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"13262","HEATR6",43.6106449125856,0.0591291676763341,0.27606034136518,0.214189286965042,0.830399449995834,0.965892817431176
"13263","CELF4",4.99135019079013,0.164185319270652,0.76222920387147,0.215401507101449,0.829454295087244,0.965892817431176

"13264","AC005253.1",9.30408995484017,0.127621551013923,0.592489917078404,0.2153986883747,0.829456492532243,0.965892817431176
"13265","ZSCAN5A",17.6017049852709,0.0797906937177372,0.372714530376286,0.214079911607369,0.830484740868702,0.965892817431176
"13266","CRNKL1",133.51805044644,0.0533322159467194,0.247133682304607,0.215803104819133,0.829141228048441,0.965892817431176
"13267","RBM38",35.6863793627244,-0.0689363706328291,0.323743382236595,-0.212935227143731,0.831377485126628,0.965892817431176
"13268","MIS18A",75.9653663806261,-0.0560935404386202,0.260209026007712,-0.215571078756344,0.829322101547989,0.965892817431176
"13269","RAB9A",322.003529997924,-0.0530394648734366,0.248673088944232,-0.213289926540187,0.83110083024426,0.965892817431176
"13270","KIF3A",97.3829121994168,0.0445128067610768,0.209254125133897,0.212721286773172,0.831544362298828,0.965957524102218
"13271","GAR1",97.7827137815832,0.0468099733779468,0.220593096714851,0.21220053607777,0.831950588533495,0.966106109962696
"13272","ZNF827",97.2083862510013,-0.0580182773724081,0.273283584164044,-0.21230063104552,0.831872503148711,0.966106109962696
"13273","REPS1",62.5302802323655,-0.0488628862123724,0.230417698994321,-0.212062208873879,0.832058502112063,0.966106109962696
"13274","NCOR2",349.671796476566,-0.04859443038222,0.228943869849258,-0.212254778493156,0.831908273114618,0.966106109962696
"13275","PEX11G",49.3718469618112,0.07061281062468,0.332915160068639,0.212104521194293,0.832025492550072,0.966106109962696
"13276","AP1M1",174.450958966269,0.0454023706592218,0.214167240493578,0.211994937015511,0.83211098423493,0.966106109962696
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"13280","PIGA",22.5729275414192,0.0828534857591054,0.391179274849624,0.211804385063487,0.832259647351163,0.966118676454874
"13281","TMEM79",18.3766289271394,0.0792104756474414,0.375062838277796,0.211192545790882,0.832737027176507,0.966126132933502
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"13284","CDC23",57.7095074239494,-0.0482247390684749,0.228448297245501,-0.211096951257423,0.832811619174176,0.966126132933502
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"13287","EARS2",18.0654988852345,-0.0775848137636839,0.367138775644966,-0.211322853674031,0.832635350929015,0.966126132933502
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"13291","CHCHD7",90.0141235280293,−0.0436116135022531,0.207001180392072,−0.210682921805809,0.833134701919641,0.966271405356971
"13292","AC104938.1",2.42622661611631,0.244925490212932,1.16294798472077,0.210607433376945,0.833193611417766,0.966271405356971
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"13296","PPIE",197.418404403817,−0.0494876035493981,0.235451754740877,−0.210181502379802,0.833526016076618,0.966300355637347
"13297","LOXL4",63.7699584388045,0.0827866657450886,0.393896163557011,0.210173831086594,0.833532003172871,0.966300355637347
"13298","UBE2J1",281.28989795603,0.0358315231958118,0.170650484873223,0.209970239594872,0.833690900620443,0.966364701931941
"13299","ZNF552",15.5311069964084,0.0973402905795728,0.463653099290266,0.209942068172467,0.833712888160421,0.966364701931941
"13300","EMC2",271.355166170558,0.0507853412654149,0.242286744659361,0.209608418061895,0.833973308935187,0.966409945892116
"13301","ERBB3",3.48498506751098,−0.178357952273814,0.851063102659643,−0.209570772973744,0.834002692844815,0.966409945892116
"13302","FAM106A",30.5090150941108,−0.126497619568649,0.603012651903752,−0.209776062192539,0.833842456964284,0.966409945892116
"13303","SLC9A3R1",32.207471006418,0.0830042930809946,0.395996157838732,0.20960883442409,0.833972983944573,0.966409945892116
"13304","AL136454.1",17.1710206177335,0.100545348502981,0.481493684365384,0.208819662163381,0.834589021511292,0.96644360302787
"13305","PREB",117.084983878115,0.0534555938383786,0.255629920584785,0.209113212240931,0.834359860834093,0.96644360302787
"13306","AC012360.3",12.4468392646701,−0.0913247501301437,0.437356593795501,−0.208810731164705,0.834595993740318,0.96644360302787
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"13473","USF3",107.168091016326,0.0426170702665865,0.219465858539809,0.194185421596481,0.846030697484376,0.967690376324231
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"13503","MISP3",13.0618861879538,0.0922744332850924,0.48226140330197,0.191336965084296,0.848261602089906,0.968373887004066
"13504","PINLYP",31.8530609099541,0.0684024931299783,0.357689119020535,0.191234481264864,0.848341889952591,0.968393826541705
"13505","INCENP",13.324827568147,-0.0911085412405899,0.477184633695368,-0.190929327575022,0.848580962738072,0.968407400978474
"13506","FOXN3",853.599261713897,0.0414623112416577,0.217077262908704,0.191002552206932,0.848523593598657,0.968407400978474
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"13510","SEC24D",231.140018894699,0.0523744089294354,0.274818954966891,0.190577862199298,0.84885633569269,0.968457029869028
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"13515","TMEM129",113.884588838733,0.0413668871181869,0.217642714537083,0.190067869747777,0.849255947328473,0.968487954851818
"13516","THEMIS",2.58611052907698,0.181449865152341,0.95468649706748,0.190062251545091,0.849260349764762,0.968487954851818
"13517","MTFR2",2.83058398297087,−0.195736109853579,1.03108101752708,−0.189835819422831,0.84943778639746,0.968487954851818
"13518","AGFG2",12.7867086314308,−0.0807345736238424,0.425309441104233,−0.189825491327516,0.849445879876582,0.968487954851818
"13519","ENTPD2",2.93588260540564,−0.16147789565131,0.849150317754867,−0.190164087882878,0.849180551310714,0.968487954851818
"13520","LINC00857",6.93865107959636,−0.103731355066713,0.545248528891421,−0.190246006307648,0.849116361556945,0.968487954851818
"13521","MSANTD4",70.4253959635349,0.0435404929192872,0.229605705036541,0.189631581290012,0.849597837929392,0.968487954851818
"13522","SBN01−AS1",11.5406399184969,0.105609865637468,0.555387959285356,0.190155122868277,0.849187576190096,0.968487954851818
"13523","PTOV1−AS1",4.12228564021862,−0.13405421940802,0.706395482895295,−0.189772192283242,0.849487647239662,0.968487954851818
"13524","EVC",36.4326609940067,−0.0740471945952763,0.390795260581759,−0.189478230838945,0.849718015324912,0.968530257781242
"13525","GOLPH3L",103.632204162859,0.0359429867007133,0.189976380838812,0.189197133570039,0.849938314173528,0.968709731089459
"13526","ACP2",99.147541936004,0.0546733788709553,0.28913904896156,0.189090263204898,0.850022072663368,0.96873356869036
"13527","RBFOX2",541.380729521934,−0.0249255412923414,0.132111719226356,−0.18867017580503,0.850351328002376,0.969037164275643
"13528","C12orf75",266.817954735765,0.0791148830372849,0.419935551179477,0.188397678679679,0.850564919262321,0.969065648959991
"13529","FBF1",15.0459809671691,0.0709173679766883,0.37633138141334,0.188443939249374,0.85052865809425,0.969065648959991
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"13532","C3orf35",5.79989294615927,0.149769270211498,0.796342319671847,0.188071469406792,0.85082062610242,0.969084215276663
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"13535","HYPK",19.1443454043957,-0.0862742419025828,0.459591423918794,-0.187719433854855,0.851096595080826,0.969241578987215
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"13539","CENPC",256.594142359921,0.0468228370704699,0.251246649709925,0.186362035571534,0.852160862076957,0.969284387996282
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"13541","LIFR-AS1",20.8611964356441,0.0808996220622939,0.436923511558226,0.185157401518121,0.853105579974821,0.969284387996282
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"13707","SRBD1",87.1819305831867,0.0363663217305547,0.221899801431946,0.163886229261489,0.869820707979256,0.971575092178001
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"13716","SP3",340.58833267628,0.0308412172288288,0.189479883321966,0.162767765570254,0.870701289106127,0.971575092178001
"13717","NFE2L2",910.595509375106,0.0267906089911624,0.163234023045994,0.164123927666805,0.869633585667291,0.971575092178001
"13718","AC010136.1",2.66081222683753,−0.169614053670384,1.01537631618107,−0.167045509105745,0.867334240872951,0.971575092178001
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"13726","AC110792.4",4.37356174475266,0.150128840999839,0.91176895366201,0.164556671404378,0.869214222594636,0.971575092178001
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"14443","TLE4",146.374011114675,-0.0321617102367485,0.328387234975838,-0.0979383691303191,0.921981232266876,0.983950709756343
"14444","MARCH5",170.252409963521,-0.0195351027325267,0.199600967216165,-0.0978707819154528,0.922034901228049,0.983950709756343
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"14451","HLX-AS1",5.23614518348607,0.101697648484269,1.04850644495178,0.0969928692130706,0.922732057293608,0.984314706753564
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"14483","TANGO6",25.7845979259973,−0.027738590389347,0.29424528652543,−0.0942702964485709,0.924894444812464,0.984412612496315
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"14704","PEX14",39.5973658831959,0.0201760221946198,0.290073669783018,0.0695548210553271,0.944547997376735,0.990153511020903
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"14707","LINC01409",11.3531825572954,0.0315496505523189,0.459453034681659,0.0686678467020655,0.945254012384246,0.99027255235029
"14708","LEPROT",1536.75454896479,−0.00876335189164409,0.130813655306723,−0.0669911093845391,0.946588780984854,0.99027255235029
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"14739","GNPTG",360.43012274391,0.0135841173185641,0.204235525759525,0.0665120197284316,0.946970188541371,0.990335512643503
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"14743","VIRMA",162.580773660385,0.0121659934686401,0.184280034446977,0.0660190535841291,0.947362655980234,0.990544349313932
"14744","GTF2IRD2",112.927914741653,-0.0208237820706036,0.31585880397229,-0.0659275024432452,0.947435544426805,0.990553372038741
"14745","PIAS3",63.7245615850418,-0.0166026620333564,0.254594429369012,-0.0652121968045589,0.948005050155264,0.990590992182684
"14746","EPC2",148.416641293478,0.0130784954540303,0.201304916536828,0.0649685843695607,0.94819901343215,0.990590992182684
"14747","UMAD1",61.5074242045863,0.0146389867096084,0.224793727058098,0.0651218648366685,0.94807697175927,0.990590992182684
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"14749","CAMSAP1",42.2343999360648,0.0208614510157147,0.319940683863912,0.0652041208506894,0.94801148014127,0.990590992182684
"14750","NTF3",2.98090262654003,-0.0723756795277515,1.10886844718492,-0.0652698520834384,0.947959145696103,0.990590992182684
"14751","RILPL1",122.323832179438,0.0125297001848314,0.191154063897484,0.0655476526596425,0.947737966548407,0.990590992182684
"14752","AC022613.3",9.43463785031035,-0.0578165399199706,0.891006819544114,-0.0648889982116552,0.94826238028856,0.990590992182684
"14753","PIGB",25.3977749691178,0.0261376016979169,0.401312762842174,0.0651302528053317,0.948070293306612,0.990590992182684
"14754","G6PC3",109.209855867428,-0.0163306358440233,0.251820603423126,-0.0648502768321284,0.948293210543233,0.990590992182684
"14755","OGFOD3",164.486188112845,-0.0156691057369603,0.238944441037056,-0.0655763560305229,0.947715113739743,0.990590992182684
"14756","C22orf23",5.08573307857781,0.0422233610855437,0.647026743614085,0.0652575206547066,0.947968963821011,0.990590992182684
"14757","SUV39H1",7.13793289908518,0.0356888038229235,0.550472385107567,0.0648330502827124,0.9483069264768,0.990590992182684
"14758","TFDP2",380.56600002563,-0.0116572033275546,0.181198916767645,-0.0643337362910555,0.948704491407857,0.990939133693733
"14759","AL121944.1",21.5754091157987,0.0216923359806356,0.337728719952634,0.0642300601017228,0.948787042305439,0.990950898488634
"14760","AL133227.1",2.39477965888151,0.0682645730793232,1.06400520516087,0.0641581194793139,0.948844324469169,0.990950898488634

"14761","TRAF3IP2-AS1",50.331012410841,−0.015097671922524,0.236200521837128,−0.0639188762374309,0.949034821948614,0.991082703091788
"14762","HNRNPL",262.772562419462,−0.0149375352866749,0.234798366763398,−0.0636185655487425,0.949273948516967,0.991265270043967
"14763","ALG12",66.212641788355,0.013701656316303,0.215748350054076,0.0635075833157879,0.949362320822935,0.991290400019342
"14764","NEXN",389.51703482948,0.0174435707763359,0.280006244510067,0.0622970777200248,0.950326255600317,0.991475233101457
"14765","C1orf74",3.722564813071,−0.0456501329884189,0.728326083827466,−0.0626781520009834,0.950022795356488,0.991475233101457
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"14767","OXNAD1",21.1752085140336,−0.0211044500515245,0.337378745894922,−0.0625541777848021,0.950121518743083,0.991475233101457
"14768","NADK2",110.498954487838,−0.014318450440854,0.230811115674606,−0.0620353590814057,0.950534673740992,0.991475233101457
"14769","VCAN",3371.96539770664,0.0177272739598446,0.283491089562881,0.0625320322666176,0.950139153785414,0.991475233101457
"14770","PITX1",3.19446172497632,0.0721468391735193,1.16075656938992,0.0621550125806643,0.950439387940609,0.991475233101457
"14771","MRAP2",5.98903379197052,−0.114345417190929,1.84851520861369,−0.0618579802092533,0.950675930315858,0.991475233101457
"14772","SYNE1",703.456316020989,−0.0179092607681762,0.28711936943772,−0.062375662092212,0.95026367604777,0.991475233101457
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"14774","POP1",17.4275844888246,−0.0260454601084494,0.422043201065204,−0.06171278211025,0.950791560720762,0.991475233101457
"14775","PCAT1",6.03413941942956,0.052222767971392,0.842224606681505,0.0620057494842828,0.950558253387614,0.991475233101457
"14776","SLC15A3",42.1157532751614,−0.0161876489310249,0.25687230741103,−0.06301827197403,0.949751954308245,0.991475233101457
"14777","FKBP3",398.218500347148,−0.0132892033792551,0.213488807169017,−0.0622477756819083,0.950365516736994,0.991475233101457
"14778","NEMF",290.728380004473,−0.0125028886342567,0.19974725580437,−0.0625935439458648,0.950090170522861,0.991475233101457
"14779","TRIM9",9.04369895251222,−0.0458258498965785,0.74060590537923,−0.0618761605379223,0.950661452246487,0.991475233101457
"14780","VPS33B-DT",2.43436581661527,−0.0563456105608403,0.908408607626195,−0.0620267246345008,0.950541549791129,0.991475233101457
"14781","SLC16A5",23.2404525160119,0.0206136325021531,0.334257613950232,0.0616698966361384,0.950825713327203,0.991475233101457
"14782","ZSWIM4",13.2987278241795,0.0289197692036749,0.468701472307102,0.061701895369183,0.950800230561164,0.991475233101457
"14783","NAGA",92.4037047735818,−0.0185486934232915,0.295988753525556,−0.0626668858270995,0.950031766826107,0.991475233101457
"14784","CTNNB1",628.232954254949,0.013747869386766,0.226850660575704,0.0606031710548099,0.951675248031866,0.991532025048369

"14785","RHOA",2514.09889622238,0.0127300535281131,0.209380355387227,0.0607987005493912,0.951519525220053,0.991532025048369
"14786","ATG3",251.397152221649,0.00971960422156941,0.158670066669661,0.0612566971551408,0.951154776666542,0.991532025048369
"14787","PCDHB6",7.01195266708445,0.0400597295411902,0.654787101345519,0.0611797780665985,0.951216034325268,0.991532025048369
"14788","NR3C1",1038.8319177858,−0.00868555089286193,0.143456626479557,−0.0605447869924617,0.951721746389457,0.991532025048369
"14789","HLA-F",127.338557758641,−0.0259638842990141,0.427785588232469,−0.0606936863074142,0.951603160009541,0.991532025048369
"14790","LINC00476",42.062973074437,0.0174705595035932,0.288611492616747,0.0605331386674637,0.951731023392596,0.991532025048369
"14791","BAG3",343.463946205135,−0.0187040307636154,0.306465757949098,−0.0610313885922684,0.951334211159846,0.991532025048369
"14792","DUSP8",25.5963284646239,0.0298505207658992,0.492615640702176,0.0605959663062061,0.95168098604399,0.991532025048369
"14793","CTSD",1232.56677953591,0.0134534635694393,0.222478773735539,0.0604707736542609,0.951780692483991,0.991532025048369
"14794","RBM19",63.8257177268445,0.0160847612335713,0.265887686312704,0.0604945699315102,0.951761740498129,0.991532025048369
"14795","PROCA1",10.7567804904762,−0.0352740142420462,0.576900714894013,−0.0611439946794426,0.951244531985846,0.991532025048369
"14796","BLMH",95.8378996145032,−0.0130657168727287,0.212382867633766,−0.0615196367687214,0.950945376144678,0.991532025048369
"14797","SARS2",24.266107958357,−0.0206282078995781,0.335813471216105,−0.0614275771155807,0.951018690462048,0.991532025048369
"14798","MIR4453HG",5.96537299724947,−0.0353449118420554,0.58732205375297,−0.0601797797583157,0.952012449937355,0.99170644112612
"14799","AL353796.1",3.66707774070318,−0.0500139981135735,0.834859776241159,−0.0599070640805749,0.952229653679515,0.991865674131341
"14800","SOCS4",61.9466715071806,0.0178568575516555,0.299803375814053,0.0595618962033665,0.952504566886705,0.991883935591336
"14801","AL162171.3",4.80295731945897,0.0425140223306843,0.713184365792312,0.0596115455832425,0.952465022677789,0.991883935591336
"14802","IFI27",3006.32609541438,−0.0269074132554542,0.451458675982432,−0.0596010547297607,0.952473378311209,0.991883935591336
"14803","ZNF592",58.8971736009891,0.0146609362360354,0.245820919344943,0.0596407184348,0.95244178745049,0.991883935591336
"14804","VAMP3",318.908642592789,0.0109887422035428,0.185324923832773,0.0592944649660745,0.952717569677192,0.991904723529239
"14805","SPR",93.2692485490074,−0.0138003321233041,0.232668736126901,−0.0593132208178463,0.952702630965069,0.991904723529239
"14806","AC017033.1",3.12858696387442,−0.0539737247507183,0.908463918825358,−0.0594120730964266,0.95262389710657,0.991904723529239
"14807","NIFK-AS1",64.2070309968356,0.0149896042752715,0.253398767451721,0.0591542114668232,0.952829279694175,0.991954031639474
"14808","ZNF407",58.5581388783679,−0.015339137160569,0.259805001605391,−0.0590409617435581,0.952919482244901,0.991980944003589

"14809","WDTC1",107.77273438178,0.0134777088846267,0.231477196329595,0.0582247802303434,0.953569582432518,0.992106475996741
"14810","ACTR2",713.574070915225,−0.00980835679403786,0.167193721727008,−0.0586646238430702,0.953219236871067,0.992106475996741
"14811","KIF5C",3.7797617651712,−0.0535490855608844,0.916436325867387,−0.0584318670587412,0.953404631885311,0.992106475996741
"14812","UBP1",79.6070734949925,−0.0124943658915186,0.212874393023455,−0.0586936066572459,0.9531961517092,0.992106475996741
"14813","C3orf33",31.8473511752382,−0.021014822388097,0.359633744628084,−0.0584339559398952,0.953402968042232,0.992106475996741
"14814","GOLGA1",69.6886493295815,0.0151882353658532,0.260721754805528,0.0582545763286309,0.953545848870335,0.992106475996741
"14815","OS9",824.844317035146,−0.00864499213881676,0.148635534509704,−0.0581623510645251,0.95361930942872,0.992106475996741
"14816","FGF14-IT1",3.84900625306934,0.0453749515476282,0.778347177454348,0.0582965453745601,0.953512419228996,0.992106475996741
"14817","AC011825.4",2.37439936200768,−0.0549871414221607,0.940378965103125,−0.0584733851592806,0.953371561777659,0.992106475996741
"14818","CASP3",110.491909390913,0.0118132283758666,0.204317709785208,0.0578179365278,0.953893650795346,0.992314720379447
"14819","NDUFA2",674.989179378876,0.0152547937943341,0.264154892384472,0.0577494274538404,0.953948221946353,0.992314720379447
"14820","ASF1A",123.115317116742,0.0130290554473005,0.226660425591264,0.0574827097112919,0.95416067898438,0.992334831098652
"14821","PARP4",216.597228201153,0.00903470260165364,0.157110172228861,0.057505522866418,0.954142506779735,0.992334831098652
"14822","CCDC113",14.0097412342628,−0.0276724942327715,0.480943780534685,−0.0575378980928018,0.954116717786392,0.992334831098652
"14823","KLHL17",8.07892046928699,−0.0277149874018764,0.508754625114143,−0.0544761384639173,0.956555819100922,0.992533124265062
"14824","SCNN1D",6.10129610543372,−0.0325226237921777,0.594779736957613,−0.0546801139503099,0.956393312425316,0.992533124265062
"14825","NBPF1",76.9521433611061,−0.0154980761508573,0.28122701878813,−0.0551087737502676,0.956051806326765,0.992533124265062
"14826","CLSPN",2.76148972715861,−0.0589594930839731,1.05363810917539,−0.0559580111715174,0.955375256949745,0.992533124265062
"14827","TMEM53",25.9443048709583,−0.0200293593928411,0.356395732440745,−0.0561997733689789,0.955182661704518,0.992533124265062
"14828","OSBPL9",254.959927444209,−0.00954351244448771,0.167117209834828,−0.0571067004644233,0.954460198937177,0.992533124265062
"14829","CYB561D1",28.8191912810477,0.0162071805912032,0.301066240766985,0.0538326069037646,0.957068530623307,0.992533124265062
"14830","CRTC2",74.6218130763337,−0.012876393905038,0.239327594359681,−0.053802378866878,0.957092614205065,0.992533124265062
"14831","DPM3",294.651021853076,−0.0123354353232586,0.229443103577962,−0.0537625020360097,0.957124385329705,0.992533124265062
"14832","AC231981.1",5.5509178519367,0.0357880395962482,0.657645513347139,0.0544184349621761,0.956601791640573,0.992533124265062
"14833","CYTOR",536.611447514875,−0.014988768007004,0.278461943459544,

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"14834","SPOPL",112.924961615433,-0.012917248142519,0.240611827459164,
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"14835","CALCRL",20.2847753128015,0.0242286415948469,0.441799976946836
,0.0548407488888629,0.956265336313271,0.992533124265062
"14836","DOCK10",16.8235963080116,-0.0232373156242153,0.43015842428958
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"14837","DIS3L2",60.1355808850552,0.0132503167786836,0.244211657108757
,0.0542575114372311,0.956730000620775,0.992533124265062
"14838","ABHD5",683.960492109659,-0.018082259940973,0.325555200920237,
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"14839","MST1",5.15512612778148,0.050867366556606,0.914583350053585,0.
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"14840","CTBP1-
AS",4.46640211244461,0.0445789970975323,0.822853594562256,0.0541760981
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"14841","SDHA",331.761767570429,0.00927287005221886,0.168581214388177,
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"14842","AC008608.2",21.4071597659564,0.0197086957821979,0.34971553521
0785,0.0563563633806512,0.95505791865286,0.992533124265062
"14843","PTPRK",56.46346597321,-0.0161857810884233,0.29008485011615,-0
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"14844","AL078581.2",3.1299236288856,0.0535957106547253,0.989238449546
143,0.0541787580934756,0.956792744409034,0.992533124265062
"14845","PDE10A",55.1864480197881,0.0217310926498707,0.382322122274273
,0.0568397468621527,0.954672851684126,0.992533124265062
"14846","LACTB2",82.7211921060455,-0.0147384120805157,0.27065832136955
3,-0.0544539403257144,0.956573504402012,0.992533124265062
"14847","TIGD5",55.9396846623881,-0.0137350482318263,0.252379010830024
,-0.0544223078878644,0.95659870606543,0.992533124265062
"14848","FXN",48.7197179738878,-0.0143437006216959,0.262698410754734,-
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"14849","RALGPS1",20.5538689241979,0.0190377143290802,0.35513902885992
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"14850","ZNF248",51.9734002534377,0.0154840008915189,0.278020058824376
,0.0556938263986917,0.955585717690973,0.992533124265062
"14851","PHRF1",74.4984806827052,-0.0155371844779348,0.275271367413466
,-0.0564431550724908,0.95498877895382,0.992533124265062
"14852","PATL1",67.8420422712253,0.0139727229487804,0.255748827380477,
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"14853","ATL3",499.18428235715,0.00959712930450521,0.178835163540715,0
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"14854","APOA1-
AS",2.45065996292439,0.0519305102561645,0.95001263779262,0.05466296782
83296,0.956406972621051,0.992533124265062
"14855","SLC38A2",996.478144655159,0.0174761470111055,0.31197938510272
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"14858","AL161891.1",3.38107339509251,-0.0493111966120254,0.8841650326
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"14859","AEN",14.8026497802723,-0.0229899019274938,0.416665451641061,-
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"14860","CDC27",232.249530850624,0.00931960462309406,0.164060473978369
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"14861","TBX2-
AS1",4.53716623897651,-0.0408966647052491,0.718756365278338,-0.0568992
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"14863","NDUFA3",475.672827870734,0.0179728216751948,0.32206135347868,
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"14864","AL031668.2",5.54649834310008,0.0428471009215517,0.75150484893
1444,0.057015069140905,0.954533191229266,0.992533124265062
"14865","Z93930.2",18.5212913446119,-0.0246905165838009,0.443076869365
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"14866","LINC01521",2.42535117732579,0.0514698294766542,0.945148993126
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"14934","LINC02334",3.43181755874366,0.0393583396041868,0.842009442824
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"14960","SMAD5-AS1",12.4586744365097,0.0231166739845448,0.536581810592458,0.0430813596886949,0.965636678315837,0.99457350274515
"14961","RNF145",249.575428782788,0.0103894525876034,0.237615623212877,0.0437237772799798,0.965124585809752,0.99457350274515
"14962","SERPINB9P1",4.96877540054193,0.0499546393150028,1.17494298050803,0.0425166498661943,0.966086839077636,0.99457350274515
"14963","SMIM8",121.957403791863,0.0107868367636089,0.252069811554723,0.0427930528335685,0.965866501953995,0.99457350274515
"14964","STX11",19.7272474313136,−0.0194803636576824,0.452450607924757,−0.0430552270601038,0.965657509807824,0.99457350274515
"14965","AL354892.3",3.13302428359104,0.0405880664434541,0.90866354073675,0.0446678716860864,0.964372042806286,0.99457350274515
"14966","MRPL32",254.783458665064,−0.0110250423151731,0.250704838131371,−0.0439761848927541,0.964923387200478,0.99457350274515
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"14973","TPBGL",2.69634893073508,−0.0417887597091073,0.964114808134392,−0.0433441736985355,0.965427178770744,0.99457350274515
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"14975","FOXRED1",62.848153389777,−0.0115854480829407,0.257330120268967,−0.0450217334481923,0.964089985730086,0.99457350274515
"14976","LTA4H",137.05352786407,0.00901496888963405,0.214351015597064,0.0420570383794231,0.966453228252806,0.99457350274515
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"15043","LINS1",50.3387598843175,-0.0101322689974924,0.28067945056706,
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"15045","KLF8",60.2726951890117,-0.0109578973676924,0.303812082881369,
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"15051","SELENOF",1000.66928268815,0.00708050432336682,0.2035974523057
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"15052","THPO",5.48724824439474,-0.0286859134865981,0.824733120525479,
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"15054","AL365203.2",4.21434309590324,0.0279555073884736,0.797549575988312,0.0350517487942133,0.972038476630042,0.995224448050132
"15055","IKZF5",59.934311532175,0.0101975643722795,0.292001173328299,0.0349230253291287,0.972141120252231,0.995224448050132
"15056","IFT81",62.1763025832088,-0.0088270460203344,0.251992045554585,-0.0350290660997168,0.972056563694447,0.995224448050132
"15057","TMEM8A",69.2447412128672,-0.00827008953508782,0.238210146177067,-0.0347176208394602,0.972304909999026,0.995224448050132
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"15059","UNC13D",6.57689201395889,0.0194985955404487,0.555786396830285,0.035082894528638,0.97201364120438,0.995224448050132
"15060","ZNF726",5.3686483082076,-0.022470065011905,0.64024981003317,-0.0350957777101736,0.972003368239039,0.995224448050132
"15061","GPR89B",22.6190389979064,-0.0119105952575592,0.346323157921836,-0.0343915645983091,0.972564909969732,0.995424479595208
"15062","URB2",10.0747001426633,-0.0160886501550465,0.471864270432964,-0.0340959279249608,0.972800655643902,0.995475639396884
"15063","TRIQK",175.402718547073,0.00836413993132789,0.244762934896472,0.0341724123175173,0.972739665469399,0.995475639396884
"15064","AP005482.3",3.77861713931071,-0.0258978744362291,0.759782003242897,-0.0340859277078055,0.972808630027548,0.995475639396884
"15065","SCOC-AS1",11.3708432858499,-0.0186529928262671,0.549654610640184,-0.0339358434645748,0.972928310688184,0.995532021855849
"15066","FGFR1OP",37.0542596374305,0.00895907550642371,0.266313804691635,0.0336410480740847,0.973163389149966,0.995645191105522
"15067","EDNRB",6.96682252603234,-0.0266839872522039,0.793336255606645,-0.0336351541526352,0.973168089159059,0.995645191105522
"15068","ADCY7",97.2342380350049,0.0074136283910322,0.225247082807993,0.032913315895646,0.973743714000363,0.996128993958032
"15069","CEBPA-DT",10.0285359437807,0.0161479938173506,0.491117715120958,0.0328800882561801,0.973770211479311,0.996128993958032
"15070","NSF",100.909537772883,-0.00671237648979732,0.204809821762781,-0.0327737040734885,0.973855048053674,0.996149672577796
"15071","AL138995.1",8.93925268713988,-0.0176557300694138,0.540716274511098,-0.0326524850493498,0.973951715103655,0.996182448963098
"15072","C1orf159",17.5155351756909,-0.0123944000274869,0.420164290751869,-0.0294989372021777,0.976466666563743,0.996301760659144
"15073","LINC02606",8.04379091835172,0.0192136676656377,0.644792340313444,0.0297982256679687,0.976227973851638,0.996301760659144
"15074","PIGK",188.466117950809,0.00693842769287308,0.23815914400505,0.0291335767176169,0.976758056808332,0.996301760659144
"15075","GON4L",218.006541869089,0.00590790388904577,0.202010984114906,0.0292454586810254,0.976668825938838,0.996301760659144
"15076","C1orf131",137.196869490532,-0.00552053755525016,0.191293744595995,-0.0288589549381728,0.97697708119013,0.996301760659144

"15077","DNAJC27",49.4334494504189,0.00871424183165635,0.2759041703110
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"15081","PRPF40A",505.212511365145,0.00464581837905455,0.1617326589643
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"15086","MBNL1",900.873111486956,−0.00704548589113771,0.22492006722022
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"15089","SREK1IP1",318.08988958416,0.0061777632486034,0.20618603632744
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"15090","CWC27",182.31114969788,−0.00546113365431586,0.180204259378423
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"15091","OCLN",23.5087749226394,0.0202464047984533,0.665219567737572,0
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"15092","TRIM39",27.3067339336196,−0.00854404152977452,0.3037865893948
49,−0.0281251438610061,0.977562340102124,0.996301760659144
"15093","AKAP7",42.2258657722327,0.00976307483177141,0.309289380234087
,0.031566149553477,0.974818038672581,0.996301760659144
"15094","SND1-
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"15095","TLN1",836.570385565186,−0.00537527843173983,0.185172842180853
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"15098","EXOSC2",46.1700744663781,0.00736446513259481,0.26334470446680
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"15099","DCLRE1C",89.2238055850365,0.00711555722420252,0.2326523539171
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"15102","CASP7",146.837225256173,0.0080576745591429,0.277816250475191,
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"15106","TSPAN8",105.768275801652,−0.020524638380067,0.731659123043745
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"15109","CDK8",30.7575675321265,−0.00925967585574388,0.290864933447632
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"15112","PNMA1",183.115683256023,0.00635129502613516,0.201889599581861
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"15113","IGHM",27.6656424516601,−0.0319125455350866,0.997187243041133,
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"15123","FAM32A",346.594626377343,−0.00651574736443911,0.2023592983850
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"15129","NUCKS1",2601.38400307593,0.00432393620562091,0.15646654808180
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"15130","GFOD2",59.4808478193806,-0.00621786322175228,0.22560284472576
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"15131","PISD",48.5568165295336,-0.00788365741456003,0.286915964422533
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"15132","STARD7-
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"15136","FARS2",79.0521206080999,0.00764956260145074,0.284932262650869
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"15137","QSOX2",20.9207828265785,0.00917244563849373,0.34348146968489,
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"15138","MICAL2",2.72415527490812,0.0236177536243305,0.863336954088745
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"15141","UCHL3",150.739701659724,-0.0070841951366556,0.2740948810917,-
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"15142","RSKR",8.91846074203526,0.015921697131298,0.615259402350111,0.
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"15143","MRM1",7.70236286481052,-0.0134512673203148,0.520296300386763,
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"15144","TOP2A",3.98675777124747,0.0210746008267526,0.790057702321302,
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"15145","SEPTIN4",7.66089440566064,0.0156502030750887,0.60269594125374
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"15148","SH3BGR",13.3568536493292,0.0127694319370224,0.478663418864015
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"15149","AP000547.3",15.0449773062174,0.0142634012924916,0.53892978126
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"15150","POLA1",21.9519184709087,-0.00936024463017312,0.35741523578091

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"15151","GK",29.057788549106,0.00953969070766858,0.365161634157927,0.0261245700952877,0.979157979646385,0.996445652799236
"15152","GNB1L",19.4071364429765,0.012361486929296,0.481902091325386,0.0256514490221404,0.979535349166873,0.996537579686335
"15153","MYO1C",445.138373453316,−0.00471765277377316,0.184580090337092,−0.0255588387954382,0.979609217218124,0.996546959903477
"15154","AL049597.2",29.530092683444,−0.0112544357642256,0.454181315452442,−0.0247796097754798,0.980230755106605,0.996576308367802
"15155","MAP10",14.3800488477597,−0.0113467188939138,0.45574166087119,−0.0248972605932571,0.980136912288117,0.996576308367802
"15156","SLC8A1",7.21178094376163,−0.0161145175568323,0.648475223137352,−0.0248498585325581,0.980174721962377,0.996576308367802
"15157","IL17RC",122.521335380966,−0.00733155583488659,0.290938195797887,−0.0251997020012449,0.97989567465036,0.996576308367802
"15158","SRF",52.4529110094273,0.00640236004113249,0.257213891878407,0.0248911907299279,0.980141753837912,0.996576308367802
"15159","PLAAT4",515.740137820968,0.00747454299891992,0.302464307466738,0.024712148886334,0.980284564630619,0.996576308367802
"15160","AP002360.1",27.1313857219982,−0.00887116212753286,0.358908132225582,−0.0247170830945595,0.980280628904234,0.996576308367802
"15161","LRMP",4.24023091447273,0.0204578332905237,0.821229328315669,0.0249112307429185,0.980125769177524,0.996576308367802
"15162","AC092140.1",4.85371712805695,0.0211536148615403,0.852542503438975,0.0248123873897326,0.980204610392917,0.996576308367802
"15163","RCAN1",90.1098098882529,0.00617223809014177,0.244423507068815,0.02525222784077,0.979853778426402,0.996576308367802
"15164","ADPRH",15.6746043919817,0.01037866532343,0.423688863013059,0.0244959597229492,0.980457006423423,0.996616981221897
"15165","EXOC3",156.516373741247,0.00394187754639221,0.162506612360728,0.0242567209366358,0.980647834652853,0.996616981221897
"15166","PSMB8",538.134033666503,−0.00630414075580852,0.258684110217065,−0.02437003475211,0.980557450027956,0.996616981221897
"15167","DAPK1",10.800327354349,−0.0139141435655303,0.573294231160483,−0.0242705103405014,0.98063835538599,0.996616981221897
"15168","LINC02352",6.37894849163067,0.0204899431890643,0.842313887050665,0.0243257810467891,0.980592748911684,0.996616981221897
"15169","DDA1",122.923935635496,0.0049867483390218,0.206868876230646,0.0241058414870581,0.980768183844801,0.996673581249101
"15170","NIPSNAP2",292.749200279865,0.00493984312101169,0.2061239845267,0.0239653970029471,0.980880209966197,0.996721716323594
"15171","C1D",318.157222133764,0.00578653456435238,0.244279006470498,0.0236882188443452,0.981101303370704,0.996792544688915
"15172","OCIAD1",781.051835044609,−0.00522368697499202,0.221655931669749,−0.0235666464490331,0.981198277036061,0.996792544688915
"15173","LINC01176",7.14885274847917,0.0165207215682309,0.698342437414017,0.0236570494403972,0.98112616598948,0.996792544688915
"15174","PARD3",140.225677320647,0.00589632509800403,0.25033492679284,0.0235537452705647,0.981208567830659,0.996792544688915
"15175","ITGB7",5.78679262016772,0.0178931121006298,0.763927613359431,

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"15176","MRPS14",193.824463901623,0.00563700367991128,0.243584378184651,0.0231418932606512,0.98153708863444,0.996916124686127
"15177","WDR66",13.8052164627023,0.0118580892776958,0.513850243584185,0.0230769361808293,0.981588903048072,0.996916124686127
"15178","GOLGA8A",91.9840618855354,-0.0105544656015632,0.457216266405317,-0.0230841865809884,0.981583119606386,0.996916124686127
"15179","AL359397.2",3.1117844609366,-0.018780538990843,0.82066515362565,-0.0228845332446147,0.981742377848635,0.99694062941612
"15180","RANBP10",42.4338259430739,0.00688016248805882,0.300312844956255,0.022909984050336,0.981722076366264,0.99694062941612
"15181","ZFP69B",4.90117774122801,0.0139624479502347,0.689995456540526,0.0202355650575427,0.983855456875106,0.997051545162714
"15182","ZNF684",42.5096072373681,0.00580819650291175,0.279461433650266,0.0207835350554326,0.9834183320256,0.997051545162714
"15183","ZRANB2",493.962149263343,-0.00413558098672614,0.212213005535282,-0.0194878771746087,0.984451907821344,0.997051545162714
"15184","CNN3",817.977212301836,-0.00484083659752154,0.246402423291403,-0.0196460592102076,0.984325720976129,0.997051545162714
"15185","HCN3",9.9316199316781,0.0114179695285966,0.565647922495561,0.0201856474222022,0.983895277252134,0.997051545162714
"15186","CD55",1732.50165497068,0.00553032933153672,0.266541791378778,0.0207484511262913,0.983446318915999,0.997051545162714
"15187","COA6",195.236690461342,0.0055173698946406,0.282818667022793,0.0195085068207183,0.984435450873813,0.997051545162714
"15188","TBCE",19.1788347819138,-0.00826905336844938,0.376500333705501,-0.0219629376873739,0.982477519842331,0.997051545162714
"15189","INPP1",136.088573833187,0.0043804911563491,0.212318193620547,0.0206317276991244,0.983539430804574,0.997051545162714
"15190","CTLA4",4.05913176243287,-0.0164623885108223,0.734637252763939,-0.0224088670277549,0.982121807263554,0.997051545162714
"15191","RAF1",176.32519074946,-0.00399094659774586,0.189029136241568,-0.0211128648053793,0.983155622552232,0.997051545162714
"15192","COLQ",8.6105191250958,-0.0129260223271664,0.587228867226226,-0.0220118986796791,0.982438464064324,0.997051545162714
"15193","COPB2",400.425950956882,-0.00338945059172212,0.174358552676822,-0.0194395430547336,0.984490465565126,0.997051545162714
"15194","PCOLCE2",4047.26785607525,0.00504521507793521,0.250783499471408,0.0201178111341827,0.983949391790135,0.997051545162714
"15195","HAUS3",65.1979822712463,-0.00569875659994821,0.252498908208791,-0.0225694306576404,0.98199372841517,0.997051545162714
"15196","FIG4",62.0548447021072,0.00473360106875853,0.223551046489837,0.0211745869370096,0.983106386423263,0.997051545162714
"15197","SYTL3",6.41905734392539,0.0131038984722422,0.641922682925316,0.0204135152422503,0.983713502493101,0.997051545162714
"15198","AC083880.1",4.7026332876178,0.0155897124851267,0.746493505520304,0.0208839224585895,0.983338251847613,0.997051545162714
"15199","CASP2",68.4368411636449,0.00506252416487317,0.25971779280681,0.0194924040827611,0.984448296557184,0.997051545162714
"15200","LEPROTL1",144.949768369624,0.00457694032289237,0.214842097257

278,0.021303740660339,0.98300335990188,0.997051545162714
"15201","LRRC69",5.2793047708504,-0.0139657514955366,0.669590308664834,-0.0208571589445259,0.983359601392058,0.997051545162714
"15202","INTS8",62.9783499708989,-0.00524622362682237,0.23559309141936,-0.0222681556373994,0.982234050700614,0.997051545162714
"15203","PKN3",4.46876911149384,0.0150576980825447,0.722933722203399,0.0208286010460973,0.983382382349449,0.997051545162714
"15204","ZMYND19",42.536294405113,0.00557490187861768,0.278533980073664,0.0200151589301359,0.984031279910489,0.997051545162714
"15205","KIF1BP",149.477679771973,0.00462949549350658,0.213881068315068,0.021645185943652,0.982730988792848,0.997051545162714
"15206","AL121929.3",5.82358736115425,-0.0124493440855793,0.624214069067598,-0.0199440299450077,0.984088021303273,0.997051545162714
"15207","MS4A2",2.69513524584372,0.0273078578674038,1.22420064596909,0.0223066847394013,0.982203316559206,0.997051545162714
"15208","AC026356.2",14.5101988886625,0.00925152899175279,0.451451648466897,0.0204928457414442,0.983650219150737,0.997051545162714
"15209","EIF4B",1023.70147046266,0.00503566208591506,0.230008538237213,0.0218933702396807,0.98253301329132,0.997051545162714
"15210","CPB2-AS1",7.36850940941403,0.0124731361253272,0.601231834414732,0.0207459675475587,0.983448300098682,0.997051545162714
"15211","MNAT1",187.14432168232,-0.00351960209783498,0.181206142021047,-0.0194231942614074,0.984503507552492,0.997051545162714
"15212","TMEM30B",20.6516272472365,-0.00817024545371292,0.389130607649743,-0.0209961521738402,0.98324872512082,0.997051545162714
"15213","INAFM2",8.98989202438159,-0.0114459300727962,0.515453636468347,-0.0222055472364468,0.982283992627994,0.997051545162714
"15214","MRPS11",192.935586695093,-0.00524708499350119,0.241693353488735,-0.0217096784738259,0.982679543287571,0.997051545162714
"15215","MEF2A",321.213159423099,0.00523358726510959,0.233022556270122,0.022459573651929,0.982081359410866,0.997051545162714
"15216","NRN1L",2.71333302650729,-0.0175040662730138,0.88122236839461,-0.0198633930558325,0.98415234748924,0.997051545162714
"15217","PIEZO2",32.9336324939016,-0.0100409293746624,0.512489759624306,-0.0195924487974611,0.984368487665188,0.997051545162714
"15218","TRAPPC5",793.900672270491,0.00517801079886927,0.248221905513764,0.0208604103177435,0.983357007735863,0.997051545162714
"15219","AC024075.1",12.2870731521501,-0.0110313504324933,0.551481214545526,-0.0200031300097578,0.984040875679241,0.997051545162714
"15220","AC008555.4",5.0084802635946,0.021703184423219,1.0443390601307,0.0207817415356492,0.983419762738336,0.997051545162714
"15221","PIGT",1128.19866753019,-0.003562986365424,0.178144401495598,-0.0200005519988909,0.984042932222883,0.997051545162714
"15222","HAND2-AS1",87.1853233998349,-0.00743297969009861,0.386581413368991,-0.0192274626586971,0.984659649616327,0.997113314963146
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"15279","DLG3",19.3085894953437,0.00705550306381289,0.44255642521612,0.0159426067769039,0.987280179021883,0.997743194173247
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"15288","COPB1",470.659302041993,0.00274115054373919,0.2117325074705,0.0129462904703998,0.989670643259251,0.997892004568378
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"15295","GPN1",89.1803112725627,-0.00268584660537615,0.233182213101868,-0.0115182310419312,0.99080998449035,0.998387757283223
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"15301","RAB11A",404.602406433994,0.00192299758703996,0.174613779189787,0.011012862764684,0.991213184445616,0.998418138609461
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"15305","NUDT16",133.157784286741,0.00271390231649093,0.253999637621658,0.0106846700330076,0.99147502894857,0.998600952057642
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"15311","SPAG9",575.898832313446,0.00185160521416117,0.186920296724223,0.00990585424167704,0.992096401097237,0.998877527325251
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"15317","PDLIM5",299.398993432595,−0.0021065016860352,0.232631812661034,−0.00905508864819177,0.992775183303737,0.998996634938776
"15318","ALKBH3",89.4363202203022,−0.00219200654708675,0.240771201815999,−0.00910410601664027,0.992736074714316,0.998996634938776
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"15321","TANC1",16.6241035622168,0.00458472272368443,0.560034450462489,0.00818650124094734,0.99346819001195,0.999105157860196
"15322","CHROMR",52.3630104836005,−0.00245248120824631,0.284631892609853,−0.00861632611074945,0.993125251490283,0.999105157860196
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