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"469","MID1",131.424721488195,0.945698095565485,0.338339219329099,2.79511815816308,0.00518807493438647,0.187036185481037
"470","MAP4K3",201.340883717231,0.731061832035466,0.26195523778753,2.7907891371442,0.00525797143752914,0.187876058282091
"471","LIMS2",168.1333944659,0.731603152335472,0.262200951826915,2.79023835435357,0.00526692512784044,0.187876058282091
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"476","INSYN1",32.0825225168802,-0.886795542291884,0.3182603375588,-2.78638409389623,0.00532996752854878,0.189325821371224
"477","PYCARD-AS1",16.8447813380355,1.64143876932128,0.589307361177161,2.78536953287407,0.00534667515744254,0.189521139543058
"478","SLITRK4",82.5695576251268,-0.896334571988783,0.322069930423751,-2.78304333102275,0.00538516135036462,0.190486000234236
"479","HERC4",242.26451574017,0.428454784119616,0.153998964955748,2.78219262215648,0.0053992983777513,0.190587342319455
"480","HPRT1",77.7514424160804,-0.805553458642454,0.289626031974083,-2.78135723212387,0.00541321343753586,0.190680443337201
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"482","ALCAM",62.8913129900285,-0.880531348996613,0.317081408135714,-2.77698826359361,0.00548651600534041,0.1924606070919
"483","AL583785.1",32.6350942301363,1.57799931622432,0.568972215149403,2.77342069473456,0.00554703588507596,0.194180709616696
"484","SCN9A",3.79697111097866,-2.90674907495186,1.05037610879415,-2.76734119389756,0.00565155725119968,0.195294324266896
"485","COL4A4",13.7180965204217,-1.84674422795401,0.666732982653329,-2.76984081484121,0.00560836951007948,0.195294324266896
"486","MPPED2",3.28504326927149,-3.04959360327341,1.10202084085098,-2.76727398450877,0.00565272260642368,0.195294324266896
"487","PRG2",49.1284359391057,-0.845017772797731,0.305132154079616,-2.76935013730886,0.00561682373510011,0.195294324266896
"488","NMB",191.409273965195,-0.715912220441169,0.258428604799585,-2.77025146266749,0.00560130299907123,0.195294324266896
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"609","LYPD3",7.07715544818101,-1.59584600534788,0.610300580583728,-2.61485251058015,0.00892659929370411,0.247427771898277
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"847","KCTD16",12.6809135385476,1.90899083099502,0.800081596212729,2.38599517853108,0.0170329743689345,0.339733027706386
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"856","YDJC",50.4886223281165,-0.799410487770136,0.336044940251258,-2.37887970332904,0.0173653420166333,0.343006078057518
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"858","PTP4A2",1427.71125541333,-0.334867605303362,0.141059709041605,-2.37394226585703,0.0175993021029022,0.345207656561334
"859","NOTCH2",834.063625021653,0.334073536214449,0.140720438537027,2.37402284762314,0.0175954616724559,0.345207656561334
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"1673","NUDT10",8.16631192085184,-1.37809998980398,0.720501046557242,-1.91269672180066,0.0557868891164952,0.564460570294753
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"1679","TMEM140",371.279341992371,0.48241331983946,0.252616059225392,1.90967003965902,0.0561757108610051,0.566898247474887
"1680","HSPA5",1570.49576589904,-0.408853702741983,0.214240006528457,-1.90839101140373,0.0563406977395789,0.566898247474887
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"1682","CARD19",210.507347220703,-0.419931641575264,0.220124109151602,-1.90770399114279,0.0564294855925184,0.566910126202199
"1683","SHISA6",4.1104554890133,2.00090814919818,1.04878223970503,1.90783946700026,0.0564119680008358,0.566910126202199
"1684","LAMA4",2808.71938204795,0.386385474960777,0.202593145136974,1.90719915374995,0.0564948030476817,0.567170239310354
"1685","EMX2OS",806.845403132502,-0.390183760347329,0.204607618384965,-1.90698549461245,0.0565224658882155,0.567170239310354
"1686","LINC00645",28.2808031048263,1.14658641579575,0.601604161904994,1.90588178805988,0.0566655444059079,0.568268697992343
"1687","HIST1H2AC",144.941159453389,0.809194020375041,0.424871756516103,1.90456063027191,0.0568372083331287,0.5689778084645
"1688","KPNA5",159.316847759013,0.361222900348338,0.189641549592006,1.90476665649206,0.0568104099836826,0.5689778084645
"1689","TSPAN12",22.7699599624179,0.817816652871371,0.429295311256085,1.90502116242197,0.0567773202727112,0.5689778084645
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"1691","LRRFIP1",481.783334234512,-0.588193749332451,0.308989280635982,-1.90360567888242,0.0569615586670357,0.569548216405819
"1692","ERCC6L2",194.244351528069,0.388561571089852,0.204149566639975,1.90331812839502,0.0569990467651981,0.569586219093363
"1693","SLC25A27",49.9885882902756,0.819095237340097,0.430568863998744,1.90235594309599,0.057124636611197,0.570109689940465
"1694","CFAP43",2.86135778070792,1.7714969945839,0.931133518024102,1.90251662118562,0.0571036480062991,0.570109689940465
"1695","HEXIM1",350.911400149182,0.503680135634736,0.264796277903195,1.90214205283834,0.057152586021356,0.570109689940465
"1696","ARRB2",62.0593205144719,-0.574760579421242,0.302212215567595,-1.90184429951571,0.0571915129009152,0.570161615641907

"1697","MXRA7",1687.64309481862,-0.420175428946215,0.221086545036341,-1.90050203587536,0.0573672680606066,0.571576763917935
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"1700","AL136441.1",9.87327164641652,1.16177126155564,0.611823625242608,1.8988662967942,0.0575820576706057,0.572704371232119
"1701","ITGAX",17.8331785845936,-1.06590461944525,0.561679271555129,-1.89771044335332,0.0577342360960852,0.573852494196292
"1702","DANT2",15.0779903930008,1.04292226064264,0.549637108563664,1.89747425054333,0.057765374090495,0.573852494196292
"1703","RIPOR2",54.9616266514606,0.588807566162963,0.310492952385259,1.89636370693649,0.057911967507686,0.574296508281499
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"1705","AC009088.1",7.93310998531778,1.30044930160719,0.685691572477433,1.8965513852075,0.0578871720070286,0.574296508281499
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"1707","ZNF518A",234.615647305534,0.411947152539759,0.217432185726064,1.89460061381509,0.0581453334230457,0.575935147930203
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"1713","NMUR2",3.57130531539491,-1.71118253796529,0.904785026010409,-1.89125868440886,0.0585898210003211,0.576884203473941
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"1715","RHOBTB1",30.1883180001007,0.724612972516825,0.383081274369713,1.89153848281683,0.0585524989718841,0.576884203473941
"1716","KCNE3",53.1256171517468,0.556726394401545,0.294379282604738,1.8911874146696,0.0585993307557546,0.576884203473941
"1717","GANC",83.030026852821,0.403209976460276,0.213084419103477,1.8922546196 2028,0.0584570641122883,0.576884203473941
"1718","RALGAPA2",81.1945416598941,0.483392167580328,0.25551560505708,1.89183031491303,0.0585135928214141,0.576884203473941
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"1742","CARF",74.4096595164967,0.4976065149183,0.264324485894223,1.88255928403633,0.0597601185873447,0.579972186212349
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"1744","IGSF6",16.5978277182424,-0.901337005767249,0.478928459460721,-1.88198673092462,0.0598378172734521,0.580124893612115
"1745","SCLY",31.8514939732304,-0.551301215128806,0.293109635189887,-1.88087032612099,0.0599895606724381,0.580265155520356

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"1752","OMA1",106.158093149613,0.363631542333953,0.193644395418622,1.87783148356993,0.0604042218271012,0.581283200143783
"1753","CLK1",867.89860765553,0.290861765390118,0.154850820891952,1.87833531469018,0.060335308390148,0.581283200143783
"1754","TNIK",16.778225208204,1.01216000461803,0.538958412023534,1.87799277650728,0.0603821532694591,0.581283200143783
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"1763","C2CD2",131.139618484074,0.532876359021301,0.284006156258394,1.87628453566507,0.0606162193708021,0.581338081180671
"1764","MAN2B2",302.586178467926,0.356528215186122,0.190099050813764,1.87548656166308,0.060725816528011 2,0.581729238445107
"1765","EPS8L1",5.8737766781898,-1.54717088611207,0.824855369777504,-1.87568747540482,0.0606982067222747,0.581729238445107
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"1768","PATZ1",100.818588601539,0.417280657460136,0.222726491944017,1.87351156038062,0.0609977778935372,0.583343002615343
"1769","NPLOC4",205.475570589243,0.312075225359388,0.166652086129158,1.87261517457108,0.0611215443598048,0.584196196741425
"1770","SLC17A5",175.706751643845,0.329820740098692,0.176173270593444,

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"1786","ACP6",14.6596305389145,-0.72582256706163,0.39031405371052,-1.8
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"1788","TMCC1",127.747421292937,0.416252477726694,0.224106105208495,1.
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"1797","C3",15516.156208078,0.392757556293596,0.211153321531533,1.86005862207071,0.0628772325169706,0.594193348791516
"1798","ZNF480",135.215737580765,-0.378241128039923,0.203642150855365,-1.85738132528646,0.0632569214469322,0.594193348791516
"1799","ARFGEF2",118.808068378893,0.424933937782529,0.228772884361764,1.85744887978319,0.0632473177526325,0.594193348791516
"1800","DONSON",37.9814688356786,0.662112373662991,0.356473342099966,1.85739660015675,0.0632547498326903,0.594193348791516
"1801","LINC00311",6.30970531208281,1.53705672216314,0.82786963205593,1.85664102492323,0.0633622431443372,0.594852197159607
"1802","NINJ1",135.616217267488,-0.406406439145015,0.218939176156674,-1.85625271036093,0.0634175461309911,0.595040993331186
"1803","GALNT13",31.1810779475179,-1.08040188231881,0.582192902748557,-1.85574553935334,0.0634898364729672,0.595134701251755
"1804","HTATSF1",416.476500259838,-0.302800226228721,0.163174034573964,-1.85568878663392,0.0634979300365605,0.595134701251755
"1805","ATP6AP1L",31.4012976677201,0.633248905450727,0.341298416889596,1.8554112006197,0.0635375291453267,0.595175923982927
"1806","ESRRG",2.42239841274369,2.30267825647959,1.24205389344209,1.85392781153659,0.0637494883981561,0.595840989406315
"1807","AC233280.1",4.61454725422861,-1.73453653703677,0.935409770205506,-1.85430662826592,0.0636953043877635,0.595840989406315
"1808","CCNC",300.901132563288,-0.352178161945245,0.189962696109889,-1.85393326772704,0.0637487077023897,0.595840989406315
"1809","FOXO3",1115.34987498322,0.572589467904082,0.308799658536225,1.85424255524853,0.0637044663909814,0.595840989406315
"1810","FAM228B",200.614950902495,-0.344973403879725,0.186198081116273,-1.8527226586417,0.0639221205952257,0.5962852039224
"1811","KMT2C",649.983373622738,0.490077448885643,0.264533326227339,1.85261137367801,0.0639380810688024,0.5962852039224
"1812","CNN2",415.772522212624,0.493779553022814,0.266513249369848,1.85273923225326,0.0639197438917468,0.5962852039224
"1813","MBTPS2",89.0146392197723,0.422910149353771,0.228222758374014,1.85305861854803,0.0638739572323398,0.5962852039224
"1814","ZNF672",85.6268971540106,-0.36694794791095,0.198229217252759,-1.85112948028776,0.064150927877155,0.596303043952038
"1815","GTF2E1",45.8845633828844,0.480755384979972,0.259609790145569,1.85183842531671,0.0640490280468647,0.596303043952038
"1816","LOX",842.798979044193,0.587406016139552,0.317323830233436,1.85112481375077,0.0641515990625005,0.596303043952038
"1817","CDKN2AIPNL",162.761651629639,-0.440436709247902,0.237781352055943,-1.85227607396344,0.0639861896029251,0.596303043952038
"1818","RC3H2",196.479490302088,0.364909882264903,0.197121290226967,1.85119467229919,0.0641415519537017,0.596303043952038
"1819","SMIM25",9.27471771967755,-1.06058556002974,0.572809535279493,-1.85155011344607,0.0640904522613402,0.596303043952038
"1820","LSM10",336.894923844498,-0.427843218100139,0.23148755575518,-1

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"1821","LRRC8D",43.5872737016042,0.602113842758569,0.325448048824886,1
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"1830","CFAP36",542.993567223408,-0.399112263685528,0.216137396854755,
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"1831","SOWAHC",178.020181302787,0.417717156293911,0.226227427196614,1
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"1832","MAGT1",427.431883741759,0.371222881422353,0.201020542561319,1.
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"1834","AL357568.2",22.9318969715298,0.868354009253604,0.4711284441970
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"1837","LAMA2",1566.05073657068,0.469785239124532,0.254649519443188,1.
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"1838","CREB3L1",206.84065984809,0.800423886911644,0.434110100901485,1
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"1839","ABHD15",63.2631251324818,-0.376608353216309,0.204222383127373,
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"1842","ABCG1",24.6290497553802,2.16762284904731,1.17485758128225,1.84
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"1844","LSM14B",97.5909212713325,0.350872039588464,0.190563113309481,1
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"1845","TMEM61",2.90592045780977,2.14874813184262,1.16795503348083,1.8

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"1846","RBPJ",2858.46444024747,0.392593027929128,0.213374394218337,1.8
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"1847","AGBL3",16.5086346067897,-0.722511333555152,0.392793792604458,-
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"1862","HSP90AB1",4790.20306011779,-0.236304631847553,0.12874064392902
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"1863","LARP4B",142.030259365024,0.379553844050685,0.206859314636321,1
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"1864","COX15",133.274614853781,0.362537182489273,0.197442447903326,1.
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"1865","SCUBE2",14.9669045985277,0.996072542107985,0.542280580469447,1
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"1867","NEMP1",46.0712472334445,0.497268778494796,0.271117798618674,1.
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"1875","SETX",430.784794201999,0.317742441675682,0.173439051236321,1.8
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"1876","POGLUT3",613.316730389509,0.268609910383317,0.14658307848813,1
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"1878","GREB1L",9.39172811468771,1.03292323589523,0.563855536229214,1.
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"1879","PGM1",278.092706058454,-0.355608618463605,0.194198501700602,-1
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"1880","AL139424.3",2.01518910440722,2.581666328344,1.41314568584253,1
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"1882","ACTR3",677.642240796327,-0.271164148182461,0.148374013644,-1.8
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"1883","PTPN23",174.55094114779,0.329611229469582,0.18023877752284,1.8
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"1885","ARHGEF37",5.75988506344398,-1.12720483775028,0.616987856500729
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"1886","AL512308.1",10.7764106554064,1.25387646294685,0.68594656738549
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"1890","PSD",6.51320650635731,-1.338149589958,0.731296044830448,-1.829
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"1892","MGA",200.037656935148,0.38812947592206,0.212440487733819,1.827
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"1894","SGCA",37.0046277324812,1.67993562571429,0.918607064181225,1.82
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"1895","MED13",436.073778151951,0.356530788534321,0.194954771105518,1.

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"1896","B9D2",49.157925630638,-0.532948914876016,0.291474194718584,-1.
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"1897","SYS1",361.813927355424,-0.295054592997691,0.161422397992822,-1
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"1899","LINC02591",53.6911391331629,0.468293722654367,0.25650313597626
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"1900","KLHL24",439.152490482935,0.490404373943213,0.268646031397215,1
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"1901","TSPAN11",33.8686383260231,0.91112228868216,0.499089173580189,1
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"1902","NEDD4",130.586767577079,0.317671215686303,0.173991589453601,1.
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"1903","LINC01914",31.8732762957209,-0.639064535906645,0.3501622602521
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"1904","LINC01686",25.643036319142,-0.601384673944712,0.32971726673535
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"1912","SPPL3",374.979406637335,0.253154759189186,0.139010437353786,1.
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"1914","KCNIP2",2.25045290546608,-1.92576485095977,1.05796650256535,-1
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"1915","ABHD12",230.285126075261,-0.420890856103938,0.231269334340443,
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"1916","SNHG10",41.9256021201249,-0.490022900273323,0.269290857495628,
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"1917","NAA10",343.682418697613,-0.450662568077277,0.247782980529579,-
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"1918","VENTX",5.91281301031189,-4.21224321947754,2.31667901897598,-1.
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"1919","KCTD10",203.559837655412,0.403982856263504,0.222223737235944,1
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"1920","AC108134.2",62.4334410766546,0.705603665339606,0.3881725722192

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"1921","LMX1A",10.0840266973288,1.02865226352718,0.566196333890299,1.8
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"1922","MEX3D",190.712191528723,-0.408000760240135,0.224546070917144,-
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"1923","BGN",721.06043624065,-0.624400702569115,0.343745848083304,-1.8
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"1924","PELI1",103.863395706858,-0.588355545165071,0.324030216390926,-
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"1925","AC098818.2",117.703422685437,-0.726562435799592,0.400330550305
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"1929","ZNF146",191.914788518341,0.268997026570313,0.148245800354839,1
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"1930","ID1",696.458794111433,-0.607394922661097,0.334753277387921,-1.
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"1931","LIMK1",66.9711536997007,-0.40559057271768,0.223619746326861,-1
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"1933","AL050403.2",34.9870681673265,0.609306465162725,0.3359770506709
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"1934","PIKFYVE",131.810572302128,0.429346962407463,0.236896962561695,
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"1935","PPP1CC",1157.96666375869,-0.286975233310425,0.15837019013956,-
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"1936","SEMA3B",61.2865057649958,0.764718210388234,0.422465536767148,1
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"1937","FAM71A",41.2878690363957,0.996222589880708,0.550635883510736,1
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"1938","ZNF703",509.01627908338,0.578131846018016,0.319586120846525,1.
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"1939","STXBP1",286.242658328704,0.313037963894743,0.172979578591799,1
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"1940","IQCH-
AS1",129.326956250881,0.655127230172701,0.362182532123136,1.8088316582
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"1941","ODF3B",235.821650404193,-0.537156462603972,0.296960657587309,-
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"1942","DCAF6",339.716228481475,0.276463351357795,0.152979175472551,1.
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"1943","LEFTY1",2.27901165846186,2.12631418046793,1.17644999758946,1.8
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"1944","ARFIP1",283.600042970049,0.261072525506151,0.144463119293884,1
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"1945","GOLGA6L4",74.7291458180203,0.594905420371388,0.328959934917833
,1.80844339150293,0.0705375197297294,0.614055564851636
"1946","IKZF3",10.7750842626994,0.998233388305134,0.552394659010056,1.
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"1947","WNT3",15.552763371009,0.917572107636807,0.507618774187286,1.80
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"1948","IER2",4192.21019890735,-0.466994491592564,0.258382199783745,-1
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"1949","MLLT3",133.738005664902,0.323400250672901,0.17899140415488,1.8
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"1950","MMP2",8728.72483177994,-0.425652541648681,0.235613215193171,-1
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"1952","ALPK3",9.7241479392204,-1.03748235795341,0.574475847114631,-1.
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"1953","MIB1",303.091732568088,0.394085501801342,0.218270912861646,1.8
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"1955","SMIM17",7.06455241320092,1.08079259690159,0.59896224370433,1.8
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"1956","USP49",41.1525133838465,0.741743808336894,0.411380294359101,1.
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"1957","RIC1",121.380135941197,0.450066969032901,0.249550411735525,1.8
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"1958","HOXB2",274.915963585405,-0.444060466253938,0.246286351270361,-
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"1960","AL359851.1",11.5169954000055,-0.824320695933932,0.457079477181
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"1961","SLC25A30",24.3846877014956,0.689530987312879,0.38257083977447,
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"2172","CYP27C1",39.1178759050961,0.870459580887158,0.502486527871932,1.73230431584628,0.0832193939577204,0.647823901029989
"2173","GPR88",11.8941919757143,1.34988914595904,0.780533179340676,1.72944492519754,0.0837294954307013,0.648001729375355
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"2187","ARG2",3.83254874318153,-1.6268193349605,0.941275776647324,-1.72831318442611,0.08393209056849,0.648001729375355
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"3273","TGIF2",41.6719730257152,0.416271611237416,0.286323697535042,1.
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"3275","AVL9",120.315163940462,0.402174148092109,0.27670017474996,1.45
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"3276","NOTCH1",28.8782346118413,0.50828816478377,0.349747967424813,1.
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"3277","AC093726.2",5.77886844911088,1.15717162568154,0.796328855406408
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"3281","CDKL3",45.0717369731689,0.401066914128,0.27606963428968,1.4527
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"3284","ART5",12.4571706617437,-0.959300845189559,0.660429124280225,-1
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"3287","ADAL",60.8517143643618,0.47797771938595,0.329238552302096,1.45
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"3293","GMPPB",75.6913604545859,-0.519588029137937,0.358377438045928,-1.44983465468981,0.147104633127304,0.754428342368181
"3294","NCK1",373.591153748718,0.281146221969591,0.194202016418941,1.44769980844632,0.147701023545312,0.754428342368181
"3295","TSPAN5",26.909050522102,-0.913577579883997,0.630069719990153,-1.44996268015907,0.147068926554003,0.754428342368181
"3296","TRIM61",18.0185718198808,0.732815249061955,0.506527177091829,1.44674418709246,0.147968583773959,0.754428342368181
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"3300","TRERF1",132.616131125105,0.347722723533708,0.240395457168076,1.44646129186457,0.148047861366077,0.754428342368181
"3301","RBAK",62.3343122559188,0.495671063214298,0.3426214488631,1.44670178956704,0.147980463044892,0.754428342368181
"3302","NDUFB2-AS1",8.16948929200003,0.909160183842605,0.627450842447186,1.448974361555587,0.147344742647116,0.754428342368181
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"3306","MRE11",211.23428301643,0.312622805610438,0.215552454409685,1.45033285038016,0.146965722582078,0.754428342368181
"3307","AL132780.2",3.51266398680217,1.20588185670618,0.831135178967843,1.45088535201184,0.146811787392674,0.754428342368181
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"3517","BCLAF3",178.83811650837,0.273311386969457,0.194615557364862,1.40436556393618,0.160210019765752,0.770210694967111
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"4366","TP53BP1",258.168499161853,0.240927306153983,0.192711703375114,
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"4374","CARMN",18.9171191629465,0.873669407469968,0.699880304312324,1.
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"4475","FERMT2",1015.07301554644,0.263607272386982,0.213712765129048,1.23346526459384,0.217402228435351,0.821313435781309
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"4482","ANKRA2",114.515495601074,0.270466649901457,0.219692406290845,1.23111515080495,0.218279799744,0.821416527538398
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"4490","ZNF205",126.73514540918,-0.30715690025025,0.2494116630403,-1.23152580960345,0.218126269698467,0.821416527538398
"4491","CKLF",537.027835621219,-0.306967900037723,0.249116481319929,-1.23222638025101,0.217864531564559,0.821416527538398
"4492","TRPV2",162.105428596621,-0.260030652386929,0.210960467234611,-1.23260369961992,0.217723655969504,0.821416527538398
"4493","EVI2B",26.7004498203354,-0.565018941947475,0.45828584407408,-1.23289634461444,0.217614439421287,0.821416527538398

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"4528","LINC01886",44.5470011681594,-0.518166617324414,0.4229497737291
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"4529","MIER3",65.7871021867292,0.2980379979141,0.243370701829351,1.22
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"4530","FKBP6",2.09782661777347,-1.29611892873071,1.05859693958005,-1.
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"4535","COL4A2",2373.41316679951,-0.354093073676925,0.289256864283005,
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"4539","CCDC24",8.78924250128108,-0.716195792877402,0.586950843899264,
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"4551","RPL14",20479.4386642874,-0.287313088850207,0.2355661857666,-1.
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"4553","NPHP3",328.375942343525,0.350020809452216,0.286321837818553,1.
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"4556","CLOCK",229.388805190873,0.241908043223019,0.198990126708591,1.
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"4563","MRNIP",217.024448797103,0.27801819067241,0.228956355231328,1.2
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"4564","GNL1",361.470874348525,-0.196052528265808,0.161083578090942,-1
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"4568","LCA5",255.633259608771,0.210786927302585,0.172811225489391,1.2

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"4571","GTF2IRD1",21.3772951009431,0.442183359220045,0.362907974841336
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"4572","ST7",79.5646028472315,-0.272486149060168,0.223280250166801,-1.
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"4576","REEP4",44.7832792585416,0.296840322677105,0.244852542395555,1.
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"4580","AP003696.1",5.03074070095534,1.00605631480811,0.82907184484158
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"4583","UHRF2",152.16811725443,0.31047294835656,0.255701430492007,1.21
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"4584","AL158151.1",21.2930322352521,0.778863663278432,0.6417539844025
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"4585","ATP5F1C",1433.86037524584,-0.340604588564333,0.279968256476621
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"4586","KCNQ1",2.2841188425228,-1.33637446365458,1.10214931207056,-1.2
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"4588","YIF1A",578.531736644415,-0.338886801133114,0.277337972609975,-
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"4590","LINC02728",3.85469610421523,0.975177378171417,0.80193460983158
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"4591","ST3GAL4",344.371821549406,-0.373401467446181,0.307351219418381
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"4592","TRPV4",7.95469560325301,0.675577072328178,0.55357795248199,1.2
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"4595","LINC00327",5.31659559940205,0.811285192040579,0.66485293280176
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"4597","AL118558.4",2.70749411187149,1.40669767728889,1.15974847403137
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"4598","MOK",121.622976145095,-0.244070852592857,0.199549486723807,-1.
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"4599","AL138976.2",5.3465638598321,0.819997077874635,0.67593726786864
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"4600","AC011330.2",3.82881359946462,1.05784036498034,0.86667672497287
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"4601","EME2",16.366065443333,-0.513327674700843,0.423125517393392,-1.
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"4602","IL32",378.72416351111,0.393323584015134,0.322996553446521,1.21
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"4604","AC027279.1",53.3182140972347,0.351247060210194,0.2889978155465
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"4605","C17orf100",12.6770490666399,-0.592886682969409,0.4853892216729
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"4606","TVP23B",70.8914976350347,-0.344488621392709,0.283232598528552,
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"4607","MRPS23",279.526127043724,-0.330637518921086,0.271951450003616,
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"4608","ARL16",384.095865272454,-0.279102176384503,0.230198988847808,-
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"4609","HEXD-
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"4610","AC125437.1",3.66213335320557,-0.898652668794589,0.738197436207
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"4611","P2RY11",10.5820162690409,0.674783502174704,0.553867440533881,1
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"4612","ZNF69",26.5102504733844,-0.372818391555763,0.30490210129903,-1
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"4613","MAU2",171.685222846355,0.283122961854898,0.23168963649898,1.22
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"4614","ZNF738",59.4838849780993,0.277272824001745,0.226767898838387,1
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"4615","LILRB2",12.7563865620773,-0.783185391418811,0.64018398407761,-
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"4616","LENG8",403.53956467095,0.263292261414447,0.215722019605981,1.2
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"4617","CENPB",185.434224320572,-0.314728818458393,0.259138977213837,-
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"4618","AP000331.1",10.3043674211394,-0.803426747558625,0.657792240512
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"4619","HSCB",212.751309214634,-0.296534394538948,0.243155799615751,-1
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"4620","LINC01315",86.0617665716258,-0.453251586415821,0.3720082859903
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"4621","GTPBP6",399.39381976044,-0.300807226147814,0.247166242790365,-
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"4622","PRKX",45.2957605882086,0.351039091695644,0.288573664601423,1.2
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"4624","ZSCAN16",12.1912229635257,-0.592397232355906,0.488816536193521
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"4625","AP5Z1",128.799231075212,0.210842165085112,0.173978938835503,1.
21188326872405,0.225557067601253,0.824409619325982
"4626","SAMD4B",673.69939588105,0.20763177091576,0.171300257247272,1.2
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"4627","DIPK1A",97.0752915254859,0.302588270183891,0.249849891536861,1
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"4630","KIAA2026",391.592233260427,0.259715560601583,0.214655180383761
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"4632","OLFM4",49.3936320255638,0.598771593210432,0.494524434237418,1.
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"4633","RALGAPA1",276.249823319486,0.274707240348993,0.226982755607203
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"4634","RPAP1",61.2115582620232,0.294213502901849,0.243146303585137,1.
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"4637","PRDM16",14.7206708497816,-0.780408630866305,0.645227069112606,
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"4638","RCHY1",149.680247413517,0.246939613846733,0.204182850126052,1.
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"4639","MFAP3L",4.97293729412252,-0.865901356255107,0.71584349899319,-
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"4642","ANAPC1",100.663956275414,0.253214309812306,0.209588103362802,1
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"4643","BCL6",863.585174847833,0.371836940643448,0.30771915521984,1.20836462188323,0.226907041692919,0.825515043826717
"4644","MDN1",141.86057292213,0.312304904299614,0.258381194561797,1.20869827554312,0.226778784441111,0.825515043826717
"4645","TBC1D32",43.5282144771082,0.351646789176369,0.291270217469621,1.20728714467021,0.227321579698741,0.825515043826717
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"4718","MYO6",172.316044001294,-0.266158962680619,0.222178585373664,-1.19795056860673,0.230936261419585,0.827925885488224
"4719","MAGI2-AS3",817.124787649846,0.187779526625503,0.156871794219573,1.197025428055 4,0.231296643781096,0.827925885488224
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"4725","WDR59",116.701399101789,0.267209425583222,0.223211202087933,1.1971147643296,0.231261826012394,0.827925885488224
"4726","NOTCH3",148.565588540891,0.449761656852501,0.375604729337114,1.19743342328586,0.231137662735374,0.827925885488224
"4727","ZNF486",46.4264987961051,0.299952368486237,0.250484408066664,1.19748918027028,0.231115942278135,0.827925885488224
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"4729","TNF",11.3636069700701,-0.766602053948944,0.641040111414786,-1.19587220877184,0.231746431830791,0.828582928609645
"4730","PTCH2",100.773362076693,0.341322495610925,0.285736441191668,1.19453610532641,0.232268326075505,0.828871434631623
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"4738","LINC01695",2.17631540354992,1.37386696215746,1.15003347846183,1.19463214583544,0.232230783970527,0.828871434631623
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"4740","ZDHHC17",262.704663463659,0.207001303751802,0.173354019437694,1.19409578401037,0.232440502226611,0.828960981153247

"4741","MATK",9.99454388946954,−0.749987706919289,0.6279916279195,−1.19426386208994,0.232374768998437,0.828960981153247
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"4743","CDC42BPA",334.258210127692,0.266839054005515,0.223617439505077,1.19328373760159,0.232758269264391,0.829569312125277
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"4745","COL9A2",4.50660699569632,−1.05738732531296,0.886222323003359,−1.19314002577766,0.232814538132739,0.829594986459085
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"4747","SLC35F5",292.386709664034,0.197705767093819,0.165844757294596,1.19211345790466,0.233216760765554,0.829760081336346
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"4750","TAP1",186.782035728335,0.314142414027429,0.263541010316759,1.19200580452299,0.233258969290024,0.829760081336346
"4751","CREB3L2",361.115471009316,−0.23684587178432,0.198686495962833,−1.19205822537947,0.233238415547923,0.829760081336346
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"4754","INE1",17.053654434118,−0.49631789592072,0.41641086630015,−1.19189467923964,0.233302544752365,0.829760081336346
"4755","RC3H1",242.114860510409,0.308871715623772,0.259318710507944,1.19108920069348,0.233618568924662,0.829793256608231
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"5074","AVEN",166.259492875101,-0.234692976849052,0.205746849408539,-1.14068807140291,0.253999752280891,0.846398859196947
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"5077","CXCL1",25.5040869789186,-1.29771231162251,1.13894529112658,-1.13939828517916,0.25453707087814,0.847241877293875
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"5190","THEM6",42.9934558485129,-0.390996597717238,0.345486719675345,-
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"5192","LURAP1L",156.379057654275,0.422666151517349,0.380854021355541,
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"5202","ARRDC1-
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"5203","KLF6",5662.5091893969,-0.310589535825141,0.279996666928391,-1.
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"5205","RET",41.4664914958994,-1.07358587414584,0.944020539236479,-1.1
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"5206","TFAM",348.590564899765,-0.15338156151887,0.137545894380053,-1.
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"5219","PYGM",35.4476287986627,0.436810944654983,0.385643265775583,1.1
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"5220","FZD4",568.223652924601,0.265437217755708,0.233525582626047,1.1
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"5222","PGR",76.5108565171988,0.348205337415596,0.31124638460605,1.118
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"5223","BIRC3",55.3731753154376,-0.476430059136569,0.426360399202817,-
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"5226","AP003392.5",4.57228020750135,0.992226712466103,0.8809239773671
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"5233","OSBPL8",1168.3366012304,0.216951113971266,0.194329597971469,1.
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"5236","ALDH1L2",258.247282374338,0.222440658740818,0.198688268637455,
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"5240","BRCA2",27.7353517542936,0.39715183003479,0.353059058268992,1.1
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"5254","BAG5",268.894347822287,-0.190736458257786,0.171085309425992,-1
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"5255","AC022306.2",14.5454094656284,0.480179196625243,0.4241243405241
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"5256","CCNB2",3.38107735166831,1.15354185905636,1.01753820646744,1.13
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"5258","ETFA",485.500510988053,-0.205193071452969,0.180868597711955,-1

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"5497","ASGR1",3.96940315273923,-0.822283275426934,0.757576386410507,-1.08541302260359,0.277738767187239,0.85259302527552
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"6087","BCAP29",571.196698814005,-0.170768157112352,0.16820166284376,-1.01525843576812,0.30998265175866,0.860705377218362
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"6558","AC138331.1",13.1894281453433,-0.392620634847937,0.412142552200008,-0.952633094428294,0.340776003160403,0.877247440196222
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"6899","RERGL",4.20489218594371,0.646306981568866,0.707886730230637,0.91300903657043,0.361237788902815,0.882045395544532
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"6905","TEX26",6.06663971231845,0.640962766395816,0.699729382868238,0.91601522258286,0.359658910792678,0.882045395544532

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"6939","TIMM29",127.694680272842,0.187451091319366,0.204951274692942,0
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"6941","NR2C2AP",132.716582295138,-0.253606508768861,0.277772321787965
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"6945","CLEC11A",524.793507001203,0.277163614829168,0.30094891561226,0
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"6946","PDXK",259.132969105644,-0.131621922858221,0.144614749490716,-0
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"6948","CRELD2",330.135108436804,-0.242702991637362,0.266435507138557,
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"6949","CXorf38",123.802491723308,0.159951796573431,0.175330839580796,
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"6950","CSTF2",24.3106638888226,-0.308785880617048,0.338649852840563,-
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"7562","NAA20",497.870248629166,-0.20429772780302,0.242120975608635,-0.843783679994945,0.398790296777186,0.894537257068681
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"7750","NDUFA11",1984.67805398715,-0.199596885133196,0.24033039817047,
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"7758","FLT3LG",164.074913027433,-0.169181110585786,0.205674224050782,
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"7770","DESI1",156.070237289051,-0.14852162645616,0.17772147292733,-0.835698826989183,0.403324355346079,0.895096093460411
"7771","SNU13",1167.22373534544,-0.204422551224645,0.247893176316495,-0.824639686586818,0.40957618295055,0.895096093460411
"7772","APOO",39.3996206862743,-0.25304602872695,0.304807603119679,-0.830182797728948,0.406435439678083,0.895096093460411
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"7774","BEX4",385.137764306013,-0.223423363686519,0.271912306163956,-0.821674336253839,0.411262269138612,0.895096093460411
"7775","RNF113A",96.9407700791074,-0.196177029982985,0.238853001856057,-0.821329556080732,0.411458576766042,0.895096093460411
"7776","THOC2",599.51518266111,0.157825712594586,0.191065295277704,0.82603024460928,0.408786935324546,0.895096093460411
"7777","LINC00894",16.2360699568531,0.415095382422642,0.504146629422332,0.823362407278755,0.410301934194578,0.895096093460411
"7778","IRAK1",163.348274372234,-0.212945888853961,0.255542548095507,-0.833308935991252,0.404670517868043,0.895096093460411
"7779","TTC30A",19.4336828769182,-0.33222030267674,0.405257332780889,-0.8197761664102,0.412343720304174,0.895435390263348
"7780","CCNYL1",63.0696768043384,-0.256462078654302,0.312695141336159,-0.820166496858343,0.412121198334638,0.895435390263348
"7781","NKIRAS1",122.996917713397,0.205799002867371,0.251043773829761,0.819773379470181,0.412345309356051,0.895435390263348
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"7783","FMC1",414.625221167868,-0.218705489230606,0.266737207041352,-0.819928691825512,0.412256759204871,0.895435390263348
"7784","EXOSC4",123.036100298763,-0.238491519287641,0.290852673704735,-0.819973618429756,0.412231146747725,0.895435390263348
"7785","RNF20",205.513249044257,-0.169830299405451,0.207226684849806,-0.819538755486731,0.412479099806641,0.895435390263348
"7786","IPMK",122.26843861404,-0.165086309603372,0.201409071910386,-0.8196567713535,0.412411799992174,0.895435390263348
"7787","PKNOX2",25.766803594733,0.344217785526814,0.420032626160446,0.819502495968798,0.412499778493093,0.895435390263348
"7788","RILPL1",185.701437556534,0.179359747954117,0.218806785335617,0.819717485812909,0.412377179456118,0.895435390263348
"7789","LINC02126",10.7508347759441,0.560383020734973,0.683394429475033,0.819999397954481,0.412216450381436,0.895435390263348
"7790","CFAP69",86.706613676577,-0.307503754290833,0.375356236100926,-0.819231771623346,0.412654191136892,0.895651322708197
"7791","AC132217.1",50.4175128665637,0.897729430291549,1.095938232250901,0.819142360284062,0.412705196074022,0.895651322708197
"7792","AC108519.1",34.8264063415116,-0.430026583952562,0.525140163760

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"7793","CTNNBIP1",164.112754492712,-0.164907135720941,0.20842107831611
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"7807","KCNC4",24.0571543790733,0.33180757736465,0.407374846054083,0.8
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"7811","IL6R-
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"8003","PTGES3",1891.31610138703,-0.164475473099702,0.207559938097509,-0.792423984162267,0.428113499196845,0.89592121772305
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"8006","GLT8D2",837.855281973123,0.206320137844154,0.256492925307708,0.804389195517329,0.421172239094645,0.89592121772305
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"8009","PSPC1",162.263105187591,0.143015135363691,0.181399634412652,0.788398145491062,0.430463855236527,0.89592121772305
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"8492","IFT88",109.999002486627,0.136726400260075,0.182240819153365,0.750251238417734,0.453103404426496,0.900033739296134
"8493","PCOTH",7.60425498413402,-0.498422658327442,0.661935621638344,-0.752977543486488,0.451463408670458,0.900033739296134
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"8497","LINC00524",4.42150578608378,-0.687025347531548,0.914874242427973,-0.750950584976861,0.45268239543697,0.900033739296134
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"8507","RPL28",26034.0505064823,-0.179287287639924,0.23774232251783,-0.754124405537757,0.45077452395959,0.900033739296134
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"8513","MRPL39",154.196052541339,-0.233991167475496,0.311924807006118,-0.750152479763839,0.453162875275918,0.900033739296134
"8514","PARVG",17.2336594548475,-0.315362433336528,0.418012189708471,-0.754433581366294,0.450588913460874,0.900033739296134
"8515","MORF4L2-AS1",5.07801230330722,0.503372259566031,0.669552942229263,0.751803521152582,0.452169224183131,0.900033739296134
"8516","PEBP4",19.8810315136045,0.293861085081411,0.391973179755505,0.749696918714458,0.453437263739109,0.900092824088428
"8517","SCX",8.58809651340206,0.457689429746277,0.610549593136417,0.749635140030327,0.453474480806522,0.900092824088428
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"8519","LYRM9",163.243600505076,-0.176140425047895,0.234918129334205,-0.749794941527521,0.453378215813936,0.900092824088428
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"8521","HACE1",52.2182203044046,0.200944865078101,0.268179873131607,0.749291371987075,0.453681606991376,0.900192316999826
"8522","AC037459.2",13.1268584211403,0.396417114138063,0.529096935145114,0.749233434945752,0.453716520314201,0.900192316999826
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"8525","SAFB2",347.406264270337,0.175792804238251,0.234776384285349,0.748766980006774,0.453997664993496,0.900433140141939
"8526","ATAD1",312.202409418941,-0.139828046844593,0.18678419056719,-0.748607504842838,0.454093807405587,0.900507338617979
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"8548","SV2A",3.28185321695425,−0.763712836954505,1.02366381237227,−0.
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"8549","ZBED3",161.675694267739,−0.13085806722851,0.175394553989174,−0
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"8550","RB1",133.270660131387,0.163973937043044,0.219739714821236,0.74
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"8779","HIPK1-
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"8787","TMEM185B",156.611333429496,0.152351297816871,0.211936010908301,0.718855173143695,0.472230158770362,0.903930009203455
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"9216","OST4",3260.65391698269,-0.173461574618714,0.260070525213899,-0.666978983781601,0.504785557709795,0.909935336521942
"9217","SLC4A1AP",193.611112253908,0.115690277599578,0.172493337360115,0.670694180831177,0.502415370695614,0.909935336521942
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"9219","LINC02613",5.85834515145317,0.448969900102826,0.676278402884976,0.663883244219449,0.506765041250299,0.909935336521942
"9220","THUMPD2",129.70842233039,0.114112827351382,0.17040674678582,0.669649702865387,0.503081121805496,0.909935336521942
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"9223","LBX2",19.5118168401,0.29862974191715,0.436868934105066,0.683568270948125,0.494247826032854,0.909935336521942
"9224","SLC20A1",343.132780151716,0.270278910143471,0.401836239333759,0.672609594872756,0.501195695923239,0.909935336521942
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"9228","BZW1",1454.08247566113,-0.109296023074687,0.161741507132492,-0.675745051547939,0.499202527139877,0.909935336521942
"9229","FASTKD2",175.669856454057,0.108582205361538,0.163274913814062,0.665026872929121,0.506033305158032,0.909935336521942
"9230","AC007563.2",30.5682796124192,0.249682685018144,0.371581136229 67,0.671946610507747,0.501617685714053,0.909935336521942
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"9232","MTERF4",205.119520142607,-0.127051833864255,0.186222338115156,-0.682258826466293,0.495075303120574,0.909935336521942
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"9234","CMC1",408.035183947016,-0.154966721942741,0.232311000379186,-0.667065794085511,0.50473010810776,0.909935336521942
"9235","CMTM6",504.875957248174,-0.10860396627345,0.163105890606082,-0.66584944216233,0.505507338767642,0.909935336521942
"9236","OXSR1",125.735520263432,0.138699082246273,0.209262879649339,0.662798306506584,0.507459738392928,0.909935336521942
"9237","RRP9",83.7548108546109,-0.179448129434864,0.264429396014648,-0.678623981067986,0.497376144051886,0.909935336521942
"9238","PPP4R2",406.901856925497,0.103732337216482,0.155955219939984,0.665141809657932,0.505959795128786,0.909935336521942
"9239","LNP1",19.7347016298001,0.271005678683154,0.40782705149999,0.66

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"9241","TOPBP1",163.056913553581,0.132986378808799,0.194570664071503,0
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"9246","TNFSF10",1470.19796883498,−0.187959231919987,0.284488034050692
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"9247","USP13",101.617189776684,−0.178079208643096,0.264765976518552,−
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"9255","CCNB1",30.8976617305074,−0.259270758336463,0.386383742462548,−
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"9264","FBXO38",76.4286737118462,0.145746368942325,0.217379173312593,0
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"9267","TRIM41",57.181399680007,0.174867209488065,0.264541362514585,0.
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"9391","EWSAT1",2.08244363163585,0.743951545451154,1.11165232302005,0.669230414982668,0.50334850729605,0.909935336521942
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"9394","TBL3",101.770240432167,-0.133852364041749,0.200800126602642,-0.666595018172602,0.505030852124138,0.909935336521942
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"9396","NAGPA",77.7657500187023,0.173418414603251,0.262721928282927,0.660083517720288,0.509200235193021,0.909935336521942
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"9403","MON1B",177.604296835508,0.15291002653513,0.228220929101131,0.670008781128794,0.502852192463358,0.909935336521942
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"9406","GEMIN4",87.641857843406,0.149907538864773,0.223283643628222,0.671377161483339,0.501980290343241,0.909935336521942
"9407","SCARF1",19.4412897314854,0.308865328961418,0.461468941343204,0.669309028820876,0.503298368483516,0.909935336521942
"9408","DPH1",7.60818234807435,0.363087170485356,0.532619039348436,0.681701448242496,0.495427751522275,0.909935336521942
"9409","EMC6",283.436220928022,-0.192402946094026,0.288366255112004,-0.667217272073998,0.504633360069229,0.909935336521942
"9410","INCA1",9.03364375180657,-0.323426721251917,0.481070497478494,-0.672306289716666,0.501388726425206,0.909935336521942
"9411","ACAP1",37.9349124612465,0.211873863239646,0.320889876429765,0.660269702481624,0.509080769219612,0.909935336521942
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"9425","MEX3C",136.465522768924,0.143004714662943,0.210294588471474,0.
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"9431","OAZ1",5961.70292937301,-0.154354972063926,0.227058637377635,-0
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"9434","MLLT1",211.864400908076,0.127515100313269,0.187387220427186,0.
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"9435","MAP2K7",223.366445222026,0.151370488094712,0.226700779681739,0
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"9436","C19orf38",5.58613862369428,0.467436702610162,0.706059672533257
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"9439","NDUFA13",2952.15049499777,-0.168350488767547,0.255107731325668
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"9440","ZNF66",44.5926884046159,0.206940093850537,0.30730407985283,0.6
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"9441","ECH1",1098.46753307888,-0.1708432090479,0.254554290557221,-0.6
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"9443","HIPK4",2.65125353835515,-0.733498336624212,1.09353847967176,-0
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"9444","DMWD",190.287397247958,-0.117291268259467,0.176687043517773,-0
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"9445","PPP5C",109.214270922691,-0.130646763887371,0.193727396753157,-
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"9454","DTD1",402.655451746806,-0.162233717631184,0.24206148914935,-0.
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"9455","GART",129.648566219135,0.131684004314563,0.196467330355401,0.6
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"9458","RANBP1",794.313795766999,-0.155575476022187,0.234948002783761,
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"9460","AL022323.3",2.4164049572068,0.626007539367746,0.94896959652964
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"9461","EIF4ENIF1",90.8308278921666,0.139513062819042,0.20636312090922
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"9462","KDELR3",404.087120810087,-0.182639422344492,0.274774781702516,

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"9469","TBC1D25",66.2527047462762,0.134901195317946,0.203498128850292,
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"9476","LINC00892",5.26629665504021,0.551820732711981,0.82296490366490
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"9478","IL10RB-
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"9480","MRPL20-
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"9496","C12orf75",100.375044508263,0.277490830926586,0.422774106858277
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"9507","SGK3",123.87304125134,-0.11716183030504,0.178668940872187,-0.6
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"9514","DUBR",72.7483744906928,0.166827541365455,0.25497621045682,0.65
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"9714","HOMEZ",37.9676997953052,0.171627244179154,0.270080501851558,0.635466992258048,0.52512388776343,0.913663434028285
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"9724","CEP19",40.4066120753334,−0.190786592488644,0.300543691304233,−0.634804848708388,0.525555700577047,0.913909717892469
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"9726","IRF2BP1",162.582699897571,−0.129152368861299,0.203476561587522,−0.634728481028251,0.525605514965129,0.913909717892469
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"9728","ZNF468",36.9842295193474,0.197267250842395,0.310994692481602,0.634310667067303,0.525878096386102,0.914019463143444
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"9891","USP16",706.576308468663,-0.0983825318058972,0.159438622347677,-0.617055832252244,0.537197899924044,0.918303719736703
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"9942","LRP1B",324.500208604159,0.255506592614722,0.416843328486048,0.612955936089244,0.539905475844756,0.918705594323782
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"9945","ING5",156.390718466375,0.127464687690384,0.20795626899857,0.612939866175711,0.539916101855952,0.918705594323782
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"9953","ZBTB38",794.217922044999,0.116460372342419,0.192079449098962,0.606313548319357,0.54430656363536,0.918705594323782
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"9958","PRDM8",186.624804987545,0.130525041029632,0.215050206901563,0.606951478495338,0.543883113412867,0.918705594323782
"9959","LINC02510",2.30864416960042,0.781115166145837,1.28291905015353,0.608857718694221,0.542618751761745,0.918705594323782
"9960","LINC02362",3.77687885915118,0.491410669821461,0.810040109963517,0.606649798913777,0.544083344193266,0.918705594323782
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"9962","DCP2",251.937169711469,0.106207511772783,0.173122745200235,0.613480982235712,0.539558353825854,0.918705594323782
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"9964","PCDHB6",11.4835448580849,-0.314099466726497,0.520786960892413,-0.603124675372556,0.546425752326613,0.918705594323782
"9965","NOP16",84.3246592598547,-0.18642299696418,0.308991205496945,-0.603327841206222,0.546290615168719,0.918705594323782
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"9967","TMEM14B",957.953457010982,-0.156624590210063,0.259685408161977,-0.603132040874511,0.546420852822782,0.918705594323782
"9968","BTN2A1",122.326681934027,0.121594480753944,0.199708929280237,0.608858508190784,0.542618228411969,0.918705594323782
"9969","PPP1R18",279.114038383038,-0.0998929563358305,0.165667441263803,-0.602972772282783,0.546526802535935,0.918705594323782
"9970","HSPA1L",8.13291228383336,0.305447917829591,0.505398394295786,0.604370574337098,0.545597294761014,0.918705594323782
"9971","CRIP3",3.19701686405336,0.607148427029713,0.998106853068361,0.608300028361922,0.542988502228831,0.918705594323782
"9972","CENPW",83.6222876868555,-0.214672056442527,0.352113037379958,-0.609668014680409,0.54208174665418,0.918705594323782
"9973","THBS2",1512.91125832041,0.144001951309704,0.238563825600099,0.60362023013117,0.546096159728046,0.918705594323782
"9974","HIBADH",506.255257976295,-0.129464834518586,0.212966613029108,-0.607911412390686,0.543246230030408,0.918705594323782
"9975","AC211476.2",4.40973062241499,-0.477989874423868,0.787398181935428,-0.607049756260507,0.543817892407822,0.918705594323782
"9976","HSPB1",2426.66045331255,-0.14064043361487,0.234078501023438,-0.600825932325958,0.547955929985852,0.918705594323782
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"9978","CADPS2",91.1420073077477,0.166274387663717,0.273192853333149,0.608633738529579,0.542767236244895,0.918705594323782
"9979","ZNF282",77.143548503667,0.135984955359557,0.225132942824277,0.604020689525199,0.545829886902678,0.918705594323782

"9980","PTPRN2",117.320913874312,0.17178983476724,0.280738908586462,0.611920291463027,0.540590495640616,0.918705594323782
"9981","INTS10",334.109575910782,-0.0998948714001342,0.165975661668287,-0.601864576987079,0.547264285210938,0.918705594323782
"9982","TNFRSF10A",3.29828717106028,0.529256608047799,0.876718991932165,0.603678730491959,0.546057257745238,0.918705594323782
"9983","RAD21",628.438303866802,0.10235972859138,0.169442062664406,0.604098692979866,0.545778028462183,0.918705594323782
"9984","AC234917.3",5.28179324572542,0.374232490114477,0.611292804794968,0.612198421409518,0.540406485888775,0.918705594323782
"9985","RECQL4",6.57832296041179,-0.380119987694055,0.631513546477533,-0.601918976741346,0.547228071730821,0.918705594323782
"9986","AL589843.1",14.035638051408,0.252649961955614,0.417764893985275,0.604765899655798,0.545334554410474,0.918705594323782
"9987","DOLK",94.8231932445519,-0.156894705351957,0.257529667521024,-0.609229635025056,0.542372239815584,0.918705594323782
"9988","PMPCA",174.721179114601,-0.106067346994111,0.174090019980511,-0.60926724579608,0.542347313918936,0.918705594323782
"9989","PHYH",616.787747127468,-0.157003954510213,0.260122551355579,-0.60357686671923,0.546124996722318,0.918705594323782
"9990","BEND7",86.049214831962,-0.162337882665263,0.268094532790856,-0.605524778798474,0.544830365649469,0.918705594323782
"9991","WAC-AS1",257.349459918587,0.136809643371408,0.222845803671788,0.613920662257136,0.539267755633408,0.918705594323782
"9992","ZWINT",16.9613711602493,0.315722866770228,0.52475259072844,0.601660425024208,0.547400198108982,0.918705594323782
"9993","DNAJB12",358.532520136244,-0.105612833247424,0.175462090065371,-0.601912545371348,0.547232352980442,0.918705594323782
"9994","LRMDA",170.395484430449,0.151593033230223,0.246783517402767,0.614275356902436,0.539033384071681,0.918705594323782
"9995","TLL2",3.66191594313242,-0.469784652245565,0.7712826884377,-0.609095289299381,0.542461279816204,0.918705594323782
"9996","AS3MT",50.8307227278465,-0.180110000522785,0.295418415018445,-0.609677634725444,0.542075372782291,0.918705594323782
"9997","OAT",617.845402363042,0.101830909459406,0.16738211870291,0.608373882757136,0.542939529320985,0.918705594323782
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"10001","FNBP4",502.64130753242,0.161669798314014,0.265426588174759,0.609094211042525,0.542461994479441,0.918705594323782
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"10003","NRXN2",54.3993390017689,0.316920951224115,0.527141074552818,0.601207089568886,0.547702063058579,0.918705594323782
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"10072","CTU1",132.060315515834,0.189533859242659,0.313458621912664,0.604653520410954,0.545409237298976,0.918705594323782
"10073","ZNF649",38.2413467571293,0.175586698445925,0.291625246923458,0.602097041659809,0.547109543636042,0.918705594323782
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"10086","BEX3",1400.88301894716,0.179767479304475,0.295107151833925,0.609160022680987,0.542418375715473,0.918705594323782
"10087","TCEAL4",1128.17343760025,-0.1187603371199,0.1959661900493,-0.606024626442056,0.5444984003364,0.918705594323782
"10088","ZFP92",6.52670701594154,-0.447705025820707,0.744733815099993,-0.601161135352227,0.54773266743716,0.918705594323782
"10089","FLNA",1232.00090313451,0.136550766490714,0.223864545880275,0.609970488867596,0.541881356782531,0.918705594323782
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"10092","C16orf86",84.4389094239395,0.197083642853172,0.32836940247661 2,0.600188815908964,0.548380406416021,0.918817564713453
"10093","BPGM",112.985674132291,0.121384742883104,0.202365827087881,0.599828264632797,0.548620694295548,0.918969556087688
"10094","AC005332.4",30.2149485910681,0.220311329280269,0.367263758458382,0.599872228626758,0.548591391894257,0.918969556087688
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"10107","CYLD",203.394315308191,0.117550020359976,0.19641977857852,0.598463256657143,0.549530868784209,0.91931017407771
"10108","MGAT1",599.663863198081,-0.103966471654472,0.173747330765114,-0.59837737475819,0.549588158910595,0.919315056476093
"10109","AC124283.1",18.3981183296202,0.270046187033729,0.451447912183889,0.598177950867854,0.549721202022698,0.919446640003935
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"10118","MARVELD1",411.917775253571,0.11177503237426,0.187292358126575,0.596794410045929,0.55064465052384,0.91971745046499
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"10120","EEF1G",9358.52214335246,0.141061267799426,0.236057080496759,0.597572703612938,0.550125082200528,0.91971745046499
"10121","TMEM233",26.8807751997423,0.424505499308363,0.710785718109553,0.597234143135856,0.550351066597634,0.91971745046499
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"10575","UCKL1-AS1",3.57784133214017,0.553302273211932,0.994213985486438,0.556522319429271,0.577853840865924,0.925932956072946
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"10581","NOP58",369.519816279764,0.0826905354038073,0.149247547874703,0.554049541056636,0.579544941542187,0.926088826348672
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"10587","JPT1",265.471774869071,0.127285528991177,0.229845876584507,0.553786436731562,0.579725011729238,0.926095915504359
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"10589","MARS2",6.62452093689948,-0.315362101043951,0.570059849883492,-0.553208757130334,0.580120471171782,0.926149851955738
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"11035","SLC27A5",73.7152641533392,0.152124242398594,0.293230045135242
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"11036","ESF1",469.161165696549,-0.0999037112987313,0.187517842915915,
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"11037","RBBP9",85.3304054650648,0.0999630908247624,0.192176916743313,
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"11039","NKILA",6.6620950010813,0.294201762878267,0.557565104048289,0.
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"11042","HLCS",53.2080007287109,0.192538281477657,0.360590580993262,0.
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"11044","C22orf39",282.922673059972,-0.0978091012352523,0.184832348052
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"11045","TBX1",36.9775844097661,-0.578135872103091,1.12473479009613,-0
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"11047","EP300",429.200633575279,0.118223862611205,0.222982587738268,0
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"11048","RPS6KA3",354.882402721203,0.112033444021228,0.211839128417118
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"11049","LINC01560",25.6149088137435,-0.189108160568785,0.366804841550
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"11050","OTUD5",208.061822969581,0.0881227756354715,0.165784956096993,
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"11051","EDA",60.2319911597298,-0.179135144126259,0.346694613353904,-0
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"11052","IL2RG",24.8185067750897,0.238631757879581,0.456361457332605,0
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"11053","RBMX",1480.39954859428,0.0806506396428996,0.156511113349559,0
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"11056","ALDOC",22.1721926764211,-0.170608763584884,0.332405005957712,
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"11057","LTBR",481.437397365275,-0.0778474643077679,0.151712078620908,
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"11058","PPIE",334.476170374652,-0.114720687052049,0.224588394846734,-
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"11059","CYP4Z1",7.31140027193962,0.344430212915902,0.674785255119142,
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"11060","GTF2B",484.793281566867,0.154106512610724,0.300473383914198,0
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"11061","F3",1842.24696744004,0.186550783603889,0.365660172326965,0.51
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"11062","AC009961.4",5.99958662848702,-0.294849764845934,0.57674290643
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"11064","RUBCN",55.5479254015109,0.131512264767691,0.25762743218764,0.
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"11068","C10orf55",7.08555255223884,-0.378866380675629,0.741162687902651,-0.51117843202246,0.609226119692499,0.92957218713389
"11069","PANK1",7.04568021574716,-0.318442761204172,0.621814922998428,-0.512118235549289,0.608568262779085,0.92957218713389
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"11077","DCTN2",875.994889710583,-0.0972909344455569,0.189917472747154,-0.512280060587604,0.608455018142506,0.92957218713389
"11078","PGAM5",46.112775333499,-0.161866075865715,0.316451729374727,-0.511503211518371,0.608998740197886,0.92957218713389
"11079","DNAAF2",92.7200508589162,-0.119018570371675,0.232054341557261,-0.512890944306276,0.608027608324047,0.92957218713389
"11080","MAX",403.900436362982,0.0739612634706127,0.14435191629117,0.512367728610035,0.60839367226522,0.92957218713389
"11081","AL118558.3",24.5633218256925,-0.182962163201198,0.358096939833951,-0.510929144725998,0.609400672390537,0.92957218713389
"11082","CAPN3",27.7281560108925,0.219095327273742,0.427380224290906,0.512647321567715,0.608198044932389,0.92957218713389
"11083","FLII",337.677905813786,-0.0919064197959698,0.180082654877188,-0.510356868398279,0.609801468347515,0.92957218713389
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"11185","THUMPD3-
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"11443","GLA",229.167976278699,-0.118227968632214,0.242960304571116,-0.486614341552276,0.626531658296805,0.934456788133943
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"11462","SURF6",149.044032170112,0.116346944603894,0.244464424727338,0.475925872378614,0.634127189273139,0.935423356851355
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"11476","ENO4",12.3497307395676,0.216734802719739,0.456467377659817,0.474808964072917,0.634923143135153,0.935714528088149
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"11479","TRIM25",301.598446883947,0.185535524836234,0.39128179137161,0.474173674644692,0.635376064406201,0.935714528088149
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"11511","ETV7",28.9552402281362,0.190874493923963,0.405274204737968,0.
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"11514","FIG4",73.2396997241339,0.124941131713128,0.265631291910314,0.
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"11515","HSF2",115.478406315484,-0.0994896661237907,0.210233969174283,
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"11516","MAP7",8.95390298345155,-0.252779583327834,0.536533864895809,-
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"11517","USP42",126.142604347139,0.117177564207341,0.250725800563112,0
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"11519","POLR2J3",394.921484283042,-0.119717088180245,0.25467187952325
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"11520","NAMPT",2621.34687560114,-0.186828708243619,0.399833505297874,
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"11523","CTSB",1136.41541405189,-0.0698407736060617,0.147670349817931,
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"11525","PLAA",118.511449843654,-0.0807000561413249,0.171575045521879,
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"11526","AL359644.1",12.3889241479908,0.212971091280784,0.451503203427
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"11527","AL158151.3",4.91114734534435,0.321849962248346,0.679753740660
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"11528","MALRD1",8.77408476659783,-0.309674640112524,0.655627983534298
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"11531","TUT1",42.1886458133852,0.127571645782126,0.272791349372194,0.467652827245882,0.640032880440654,0.935873727549303
"11532","CTSW",13.8411397105943,0.225364530432562,0.480477694098261,0.469042649015198,0.639039151397586,0.935873727549303
"11533","AP000766.1",29.2136666052627,0.201327479240754,0.426567138000071,0.471971376380899,0.636947219635682,0.935873727549303
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"11536","HOXC-AS2",42.2335022997662,0.139635968037597,0.298184427942948,0.468287257657577,0.639579179499601,0.935873727549303
"11537","C12orf73",66.4566752510053,0.10859778100914,0.230871187206043,0.470382564075529,0.638081718990154,0.935873727549303
"11538","ZNF84",156.496450427872,0.0850441927173116,0.1810831929461,0.469641557196451,0.638611128826458,0.935873727549303
"11539","ABHD13",147.114889563964,0.0897683412311655,0.190106527080799,0.472200205903567,0.636783892781663,0.935873727549303
"11540","PRKD1",38.4562955021161,-0.135587911912461,0.287465679024762,-0.471666434659081,0.637164898915688,0.935873727549303
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"11543","COX16",826.84762422762,-0.120905464859117,0.258198093378002,-0.468266296150032,0.639594167574215,0.935873727549303
"11544","IGHG3",117.613894493856,0.591987806722033,1.25018309956924,0.473520884201688,0.635841604942913,0.935873727549303
"11545","GOLGA8R",13.1091435555757,0.256659866981402,0.545290201647983,0.47068490540582,0.637865765241421,0.935873727549303
"11546","TYRO3",38.8965177520924,0.139812229184162,0.297771847977206,0.469528030046898,0.638692254195102,0.935873727549303
"11547","AP3B2",4.87473714955494,0.358065959183707,0.766491427964585,0.467149332817133,0.640393040809525,0.935873727549303
"11548","Z92544.2",2.95036074928925,0.401478680102566,0.84847155979521 1,0.473178712318263,0.636085683913222,0.935873727549303
"11549","NIP7",133.226225207193,-0.0943142318053642,0.200610317402104,-0.470136496600623,0.63825750060837,0.935873727549303
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"11554","SSTR2",8.79622487102682,-0.445390578330359,0.945895859275593,-0.470866400315419,0.637736143387499,0.935873727549303

"11555","TMC8",12.6310636408215,0.315926778360222,0.668387928770336,0.47266978465851,0.636448786662738,0.935873727549303
"11556","USP14",389.014417382721,-0.0647188507614987,0.13702572160287,-0.472311694508478,0.636704324289032,0.935873727549303
"11557","NACC1",38.3760009501361,0.134253645830305,0.286668494704302,0.468323685059243,0.639553133220413,0.935873727549303
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"11561","HAS1",57.6123610559655,-0.408128963736327,0.86387013316899,-0.472442498086098,0.636610976202058,0.935873727549303
"11562","ZNF581",278.326871224382,-0.104149977329295,0.221251998279501,-0.470730109283467,0.63783348004725,0.935873727549303
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"12084","GLRX2",189.264315788909,-0.100013517380467,0.238938385935271,-0.418574508189575,0.67552712303674,0.944041849721321
"12085","UGP2",1377.20379938934,0.0541158812160895,0.129990372546243,0.416306839930304,0.677185488103101,0.944041849721321
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"12121","CCAR2",72.4839005970775,-0.0851559880399144,0.205553120465051,-0.414277281936923,0.678671049564801,0.944041849721321
"12122","ZFPM2",233.035009845228,0.0771044618239424,0.183294138728037,0.420659724086137,0.674003575329169,0.944041849721321
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"12127","LPAR1",733.713360239347,0.0845623054850811,0.201712769047818,0.41922138040272,0.675054348004043,0.944041849721321
"12128","SLK",587.76786718691,0.0905520144964302,0.219624740107192,0.412303342748338,0.680117098848515,0.944041849721321
"12129","CASC2",16.0955272276563,0.150642806224922,0.359089993827981,0.419512681539898,0.674841488602975,0.944041849721321
"12130","INPP5F",54.8278251750482,0.110922383792277,0.268010529852669,0.41387323047812,0.678966949614079,0.944041849721321
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"12137","CEP57",463.828979923964,0.0641970805834688,0.152731472544748,0.420326469154287,0.674246976059136,0.944041849721321
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"13367","ARMH1",8.75704703998659,−0.178653690250042,0.584262850462207,−0.305776227444052,0.759775029832614,0.960353065237329
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"13435","CNTFR",480.3761957435,-0.123768285422422,0.41491664228021,-0.298296748817408,0.765476685474845,0.962997008780408
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"13441","JADE2",156.090625818669,0.0583121299963197,0.195877938834488,0.297696260963783,0.765934997435669,0.963225459607173
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"13443","HNRNPA1",4218.45450529721,0.0699595767687892,0.235007283004771,0.297691100779072,0.76593893621263,0.963225459607173
"13444","GOLGA6L9",25.6638519791637,0.130321614534677,0.437641182381462,0.297781881096108,0.765869644339574,0.963225459607173
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"13446","HMGN1",804.982371544997,-0.0699040424701642,0.234889366174948,-0.297604117242578,0.766005331790939,0.963232050418057
"13447","TNFRSF1B",171.808895494587,0.0628669276122354,0.213496661215419,0.294463282256215,0.768403916791644,0.963254714597757
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"13819","HOMER1",21.433616418173,0.100615665339478,0.382223033641944,0.263238100490123,0.792367066091039,0.969523236365947
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"14172","REC8",27.404526934865,-0.13364353153894,0.569837332130686,-0.234529266517571,0.814574115264439,0.97185719185331
"14173","ELOA",246.079967707159,0.0362993308783764,0.155288319086771,0.233754419468558,0.815175637244095,0.971858302644142
"14174","LDLRAP1",61.6742923836343,-0.051515803936835,0.221143665519783,-0.232951750237795,0.815798872772829,0.971858302644142
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"14186","ACTR2",975.698480451652,0.0368564234041864,0.158905658643555,0.231939024190825,0.816585373941367,0.971858302644142
"14187","LINC01960",8.73642056527602,0.125251010958511,0.541040220375899,0.231500369550142,0.816926098375246,0.971858302644142
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"14193","UBA6-AS1",44.1600550652073,0.0668174787205859,0.286127309919468,0.233523597378356,0.815354847959337,0.971858302644142
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"14320","MTPN",1153.76154104538,0.0245818484449448,0.11040083040543,0.22265999589561,0.823800138383279,0.972626774228057
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"14330","TMEM179",3.09915262693432,-0.197650241261258,0.891013730280181,-0.221826257603355,0.824449138029108,0.97277567997713
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"15349","GGT7",138.433114640495,-0.0259441872028852,0.193706563110734,-0.133935509392389,0.89345357081063,0.984240444373024
"15350","ZMYND11",423.369282173634,0.0211589805181111,0.158470969589583,0.13351960029594,0.893782464257643,0.984499928708028
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"15353","LINC00884",12.4452624762753,0.069172575715101,0.519699858454063,0.133101009341944,0.894113496911001,0.984609557811432
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"15355","MED28",418.683798312788,-0.0219583284825874,0.165172936562386,-0.132941442705983,0.894239691230642,0.984682819884578
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"15357","KCTD17",97.3867679365683,-0.0296669973178208,0.223540287087612,-0.132714320556426,0.894419316887048,0.984752348110061
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"15359","PHACTR4",292.439389527728,0.027970448160294,0.21278154000334,0.131451479107891,0.895418167483856,0.985031388631088
"15360","TMEM54",381.246290834703,0.0315109347968368,0.239071942485261,0.131805240168572,0.895138341661915,0.985031388631088
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"15362","JAK1",1459.4690593164,0.0186576899219403,0.142956089008137,0.130513432840754,0.896160227172264,0.985031388631088
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"15368","CRIPAK",36.7478663589833,-0.0453710311061233,0.348514269399337,-0.130184141912812,0.896420740723309,0.985031388631088
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"15370","PLAC8",8.69074393440543,0.0992429986776654,0.752873779213287,0.131818906990451,0.895127531435559,0.985031388631088
"15371","AL135910.1",20.7077266170373,0.0503062385217117,0.383289849176835,0.131248554141861,0.895578687479375,0.985031388631088

"15372","ZNF789",28.15354952065,0.0386321953571843,0.296493141381769,0
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"15374","AC022915.1",4.44170584267478,-0.102535006731511,0.77851071803
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"15375","OTUD6B-
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"15376","C12orf81",67.5827114158492,-0.0546737262924211,0.417912016080
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"15377","C12orf29",179.054778039287,-0.030999505162536,0.2349302846023
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"15378","PPP1R3E",38.6061027984479,0.0483632904551253,0.36621455726461
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"15379","ATL1",233.484830957921,0.0269710513599161,0.205311856149192,0
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"15380","ZNF710-
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"15381","UBE2I",1264.73358224079,-0.0246881711468883,0.18883399445852,
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"15382","CCDC144NL",5.90338256129045,0.11100718779694,0.84592850725138
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"15383","MTMR4",90.83580777872,-0.0378880677055091,0.291025946353725,-
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"15384","SLC9A3R1",54.4688366933679,-0.0389506294206649,0.297291070826
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"15385","MIF4GD",142.7076850947,-0.0353115996410679,0.270032464796853,
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"15386","ZNF473",22.9617274963461,0.0436558228438586,0.331048047762856
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"15387","BACH1",241.42620779645,-0.0416325637037408,0.318056118413882,
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"15388","SH3BGR",25.1986878238392,-0.0581382099240127,0.44708919801562
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"15389","MTM1",35.1004942154863,0.0365849029542215,0.279244045827809,0
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"15390","CRIM1-
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"15391","FOXP1-
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"15394","LINC01600",3.11168194821791,0.106879439546349,0.8233988712984
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"15396","AP006623.1",31.4413706669422,−0.0533626100576835,0.4126057360
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"15397","LINC01852",22.3705973740237,0.0427823978240383,0.330642573154
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"15400","ZNF254",164.167923472628,−0.0226555303535434,0.17551300678149
,−0.129081774445065,0.897292943234965,0.985038378366764
"15401","ERCC2",41.6488694062956,0.0325693077233967,0.251120767487432,
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"15402","RAP2C",148.924512777752,0.0211554417448152,0.163904309664388,
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"15403","EIF4E3",150.224085173023,−0.0338964697823835,0.26390190861728
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"15418","PAQR7",56.3168342431198,−0.0449811892866987,0.354143019827996
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"15472","TMEM232",4.43371401002556,0.0963731536891626,0.78429552341891,7,0.122878622676629,0.902203213955859,0.986036776029188
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"15474","AL021368.1",2.35862614011779,-0.123612942415859,1.00763181371016,-0.122676696719914,0.902363117782036,0.986036776029188
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"15488","PI4KA",128.058265295534,0.0250080999233132,0.205595881560262,0.121637163806626,0.903186379549121,0.986036776029188
"15489","SMTN",101.368725711385,0.0333229292940961,0.27140136172889,0.122780995208798,0.902280524005274,0.986036776029188
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"15492","POLG",104.978087293188,0.0249003403995007,0.205331921654401,0.12126872528574,0.903478190771498,0.986116020269476
"15493","ALG2",172.506767621003,0.0238893205725611,0.197348228704672,0.12105160876975,0.903650157823765,0.986118295371383
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"15804","CTF1",65.5505290340476,-0.0257646769402343,0.267703707877054,
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"15805","MED11",235.014129003355,-0.0245819884724297,0.26046985340546,
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"15810","TNFSF9",194.265537476719,0.0329153580192759,0.351728549926873
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"15815","YWHAH",641.207006920065,-0.023857203498558,0.24764784363686,-

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"15819","KLF8",96.909081624963,-0.0259932741594122,0.26773219380083,-0
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"15828","STARD4",9.26542243015196,0.0710221008027063,0.770833042447056
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"15830","VTA1",192.553801435165,-0.0167664913634845,0.182062908792244,
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"15834","DENND6A-
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"15839","ELP6",201.447924864497,-0.0264277669161009,0.289982464096435,
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"15842","AC084198.2",15.6374452234067,0.0383915452065438,0.427769252925525,0.0897482578375679,0.928487266435799,0.989977767837323
"15843","RIPK1",138.133973070171,0.0190574126972396,0.2126055563247,0.0896374160049436,0.928575350399995,0.989977767837323
"15844","NDUFAF4",133.92482386491,-0.0216889410363023,0.240765812826338,-0.0900831425429418,0.928221145051758,0.989977767837323
"15845","LINC01004",23.8487085554204,0.0465888188817083,0.519084203411618,0.0897519488659237,0.928484333258572,0.989977767837323
"15846","JAK2",90.9428561571796,-0.0257114275878072,0.285731753376472,-0.0899844951916511,0.928299535884032,0.989977767837323
"15847","KLF9",2989.89986075055,0.0255423987390723,0.282721132095249,0.090344851655684,0.928013179387135,0.989977767837323
"15848","FKBP4",170.947082289748,0.0239297126253623,0.263762095143663,0.0907246077656781,0.927711417092491,0.989977767837323
"15849","POU6F1",46.1295960959419,-0.0278241810511318,0.309584986359738,-0.0898757442287595,0.928385956430835,0.989977767837323
"15850","DAZAP2",725.780123968343,0.0109679910507183,0.122243752191606,0.0897223036276488,0.928507891690173,0.989977767837323
"15851","NAB2",98.8775185442087,-0.0242536454730574,0.270626589295158,-0.0896203345584984,0.928588924788932,0.989977767837323
"15852","CDADC1",234.164303323652,-0.0175998652115421,0.196572282998069,-0.0895338088519578,0.928657685888817,0.989977767837323
"15853","SHC4",5.75609763068922,-0.061641291849914,0.688168527946442,-0.0895729597426626,0.928626573007732,0.989977767837323
"15854","LITAF",644.070785569953,0.0186652325329553,0.205278406462012,0.0909264294021563,0.927551049548965,0.989977767837323
"15855","CD2BP2",367.922178805064,0.0203136797016795,0.226938095568953,0.0895119863007197,0.928675028132706,0.989977767837323
"15856","FAM106A",60.4856166422073,-0.0478290595545512,0.530784367044172,-0.0901101511728791,0.928199682569777,0.989977767837323
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"15858","ZFP14",108.975616906019,-0.0241008866173286,0.267361350355494,-0.0901434952557021,0.928173185674807,0.989977767837323
"15859","ZNF784",19.7195676882196,0.0357987259493226,0.395458911849521,0.0905245143721649,0.927870414272344,0.989977767837323
"15860","IFNGR2",837.547734717685,-0.0189936678209549,0.208832726133873,-0.0909515868158469,0.927531059665321,0.989977767837323
"15861","PRDX4",1597.09919612294,0.02739872908485,0.305894582192704,0.0895691871639284,0.928629571039335,0.989977767837323
"15862","AC111182.1",2.09332095065571,-0.0849649771482438,0.952013929914159,-0.0892476196812634,0.92888512130706,0.990076885271371
"15863","UPRT",51.9097138237225,0.0215451970674044,0.241336044746665,0.0892746754427871,0.928863619760855,0.990076885271371
"15864","INTS7",40.1468016271221,0.029690482548574,0.336588798808172,0.0882099542637932,0.929709805801284,0.990133216720046

"15865","B3GNT2",63.2448052227622,−0.028538175280364,0.322420227454947
,−0.0885123601134851,0.929469460946997,0.990133216720046
"15866","FBXO41",5.10979697857515,0.0752551482590762,0.849319027088843
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"15867","MAGI1",41.5080123583716,−0.0300032965674952,0.342189483816479
,−0.0876803583583721,0.930130731248767,0.990133216720046
"15868","GMPS",247.753130233823,−0.014053304546781,0.158861032917368,−
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"15871","G3BP1",666.23772362729,0.0107698264179217,0.121744302591903,0
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"15872","CLIP2",51.0644984367776,0.0262306460254904,0.299321085943904,
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"15873","ARL5B",287.214829766586,−0.0251193085824981,0.284658444184038
,−0.0882436797352055,0.92968300129437,0.990133216720046
"15874","SAR1A",842.578750587851,−0.0148408851425523,0.168597974268112
,−0.0880252874150884,0.929856577700004,0.990133216720046
"15875","RPP30",276.427836524045,−0.0194465150255817,0.221329123084978
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"15876","C11orf95",159.455041329194,−0.0183123964606744,0.206257543847
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"15877","NECAP1",175.385512332381,−0.0164935053467604,0.18785063131659
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"15878","PSMA3-
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"15880","KNOP1",282.056169659039,0.0229817775290324,0.259250869936212,
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"15881","PELP1",128.910460211803,−0.0217336094170156,0.247180917970768
,−0.0879259191827497,0.929935555852376,0.990133216720046
"15882","TSPOAP1-
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"15883","VPS16",158.28314514803,−0.021171147053236,0.240191274877123,−
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"15947","U91328.1",12.8408362490413,0.0332934755654814,0.4084009706201
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"16016","AL135999.1",18.576854558213,0.0317814065516448,0.419733825210727,0.0757180018448333,0.93964345370658,0.991964791922153
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"16033","ANGEL1",27.8366599125174,-0.0210833171937063,0.285932851948312,-0.0737352040874181,0.94122108621043,0.992588169752757
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"16052","PPARD",71.702851188228,-0.0160026576584205,0.224414400192745,
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"16058","ZFP36L2",11430.8870544013,0.0124793657531798,0.17668868791717
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"16085","DPP7",1157.70162365129,-0.013868107867214,0.204764652434868,-0.0677270598333623,0.946002908130909,0.993503648532028
"16086","ANKRD16",120.338560836644,0.0126784156816151,0.186303446395785,0.0680525021243081,0.945743840465457,0.993503648532028
"16087","AL353801.3",6.70946529011375,0.0449540037878029,0.666595765490049,0.0674381778509423,0.946232876822949,0.993503648532028
"16088","ALG1L9P",6.84276929530612,0.0425159379082226,0.632233378649427,0.0672472212698496,0.946384893039704,0.993503648532028
"16089","XRRA1",271.926195876718,-0.0257128566281625,0.373830237463729,-0.0687821745041619,0.945163007164708,0.993503648532028
"16090","VWA5A",101.605542551389,-0.0149207239041486,0.212840340732526,-0.0701028942765099,0.944111763072719,0.993503648532028
"16091","TEAD4",3.80046549960994,0.0589085558334628,0.887562152774297,0.0663711894984812,0.947082307061268,0.993503648532028
"16092","LINC01252",18.2138090368377,0.0367003712935321,0.535421882659322,0.0685447727897289,0.945351980328142,0.993503648532028
"16093","PAN2",59.1589747110241,-0.0243000680126203,0.35311048308405,-0.0688171809581656,0.945135142081864,0.993503648532028
"16094","CTDSP2",845.773896524841,0.0103179039649366,0.149635684418371,0.0689534986593736,0.945026634044069,0.993503648532028
"16095","TRHDE",121.845247363532,-0.0488227213164197,0.707807634448007,-0.068977387273443,0.945007618961611,0.993503648532028
"16096","AC005519.1",4.6731774238101,0.0518834936564885,0.746525544599337,0.0694999575457724,0.944591666446888,0.993503648532028
"16097","PROX2",4.2212627005164,-0.0558032500931149,0.808813198355816,-0.0689939904622646,0.944994403018538,0.993503648532028
"16098","UNC79",3.2069743225037,0.0618200614869292,0.900930217786681,0.0686180353000067,0.945293662609749,0.993503648532028
"16099","FAM227B",7.53126831569152,-0.036902942959375,0.531186122581888,-0.0694727166063832,0.944613349162729,0.993503648532028
"16100","AC023906.5",2.61994904584299,0.0611156981743005,0.912561089961102,0.066971623978523,0.946604293252494,0.993503648532028
"16101","VAC14",76.3708787749055,-0.0141701747835419,0.204143394956677,-0.0694128496616271,0.944661001039193,0.993503648532028
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"16103","ZNF521",399.598803531015,-0.0137378962771597,0.197977049490774,-0.0693913577987733,0.944678107816401,0.993503648532028
"16104","DSC2",4.88832681693786,0.0454529633950185,0.681410460544046,0.0667042348582796,0.946817162893997,0.993503648532028
"16105","ZNF24",377.214499899746,0.0101942321859843,0.147875237537863,0.0689380612719162,0.945038922056784,0.993503648532028
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"16108","AC010632.2",7.18442892436036,0.0490032544298097,0.738341137910417,0.0663693947332992,0.947083735926143,0.993503648532028
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"16116","APLN",9.80365761602537,-0.0443375581123186,0.640138195950554,
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"16121","NFYC",200.61502084963,-0.00992573860885966,0.158325746195163,
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"16122","AK4",125.554046385902,0.0210342370830661,0.330795511349686,0.
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"16123","BCL2L15",2.08690383931757,-0.0712735471066506,1.1221051679635
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"16124","BGLAP",47.579359078645,0.0228816628627957,0.358159536722008,0
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"16187","AC090409.1",6.39803538465093,-0.0432663345397954,0.709807565680078,-0.0609550202502298,0.95139503104541,0.99382520265533
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"16189","ALDH7A1",332.67139514686,0.0110024396789283,0.181643050205483,0.060571762401489,0.951700262557092,0.99384142814877
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"16195","CLDND2",33.5205551765352,0.0227849072491273,0.378967561006469,0.0601236348267242,0.952057166141505,0.993972372035848
"16196","CARD9",7.44545469357857,-0.0421351368888552,0.702681432247434,-0.0599633560176643,0.95218481981115,0.994044266076002
"16197","SDHC",570.474741996185,0.012898167959642,0.215834731980102,0.0597594642961869,0.952347210651975,0.994044367161916
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"16201","AL442067.3",2.45229120914666,-0.0751995788163596,1.26013972744039,-0.0596755876978069,0.95241401526981,0.994044367161916
"16202","NEIL1",87.7292523609715,-0.0192415768104949,0.322496276149589,-0.0596644929988889,0.952422851813454,0.994044367161916
"16203","ZNF426-DT",4.35328884329831,0.0402264063014667,0.67629668032065,0.0594804136586835,0.952569465488843,0.994044367161916
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"16205","P3H3",234.97759075295,0.0139580796469801,0.235871996116319,0.0591765019875302,0.95281152553363,0.994146082920248
"16206","PLCD4",11.195523705361,-0.0280334236657676,0.476661161693358,-0.0588120575340725,0.953101804562263,0.994274618361413
"16207","HSPBAP1",43.014085854963,0.0165662383745142,0.281737082844579,0.0588003474986395,0.953111131677418,0.994274618361413
"16208","MRPL46",180.919100327,0.0144723858081707,0.245908991840186,0.0588526092513777,0.953069504919973,0.994274618361413
"16209","DRAM2",495.295913726604,0.0177424562278373,0.302171520668125,

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"16212","MAP1LC3A",802.197252156237,-0.0120160022052146,0.205892455177
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"16213","TRAPPC10",102.787513813782,0.0138790408855532,0.2370023934896
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"16214","RADX",5.77399314830417,-0.0416262512286647,0.715180506088321,
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"16319","C7orf25",83.6789415029824,0.0116075399393455,0.235054277005753,0.0493823813257455,0.960614568695396,0.995682165374828
"16320","NIPSNAP2",520.721136624082,-0.007139216791228,0.1469668684227718,-0.048577049152967,0.961256360489887,0.995682165374828
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"16327","WDFY4",8.78867532821502,0.0309847686913979,0.6251351523401,0.0495649118041291,0.960469108571128,0.995682165374828
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"16330","DEPDC7",13.7030611648381,0.0246018235905492,0.517858074058621,0.0475068842660631,0.962109243681639,0.995682165374828
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"16350","TPT1",62913.8523680385,0.012330572984552,0.265214074244903,0.04649290585222,0.962917388283609,0.995685141144654
"16351","RAD51C",146.563721611051,0.0101053805706043,0.217139671536089 ,0.046538619585803,0.96288095344003,0.995685141144654
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"16362","C2orf42",41.7551023275999,0.0108732130477124,0.25582394489310
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"16363","MTLN",474.631641505808,0.015673403301402,0.34842343846033,0.0
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"16726","C5orf63",25.0409452978292,0.00479305676977082,0.326470822326518,0.0146814246235367,0.988286338765814,0.998945315045332
"16727","PRELID2",104.802810568645,-0.00393770916716792,0.266669842721416,-0.014766233508007,0.988218678400778,0.998945315045332
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"16729","ENO1-AS1",2.84869630058794,0.0128026895373389,0.90844879245849,0.014092912714091,0.988755854730219,0.99903538799419
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"16733","AVIL",32.8961580038757,-0.00642026326521529,0.458557963311216,-0.0140009852164708,0.988829195025265,0.99903538799419
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"16742","CCDC69",199.914792783406,0.0040420925564393,0.307459294608074,0.0131467567490255,0.98951070792286,0.999322810368573
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