

NODE1X	GENE1600X	GENE1599X	0.99713134765625
NODE2X	GENE2462X	GENE2461X	0.996826171875
NODE3X	GENE745X	GENE744X	0.9967041015625
NODE4X	GENE840X	GENE839X	0.99591064453125
NODE5X	GENE24X	GENE23X	0.995849609375
NODE6X	GENE783X	GENE782X	0.995849609375
NODE7X	GENE771X	GENE770X	0.9952392578125
NODE8X	GENE124X	GENE123X	0.99517822265625
NODE9X	GENE2338X	GENE2337X	0.9949951171875
NODE10X	GENE2489X	GENE2488X	0.99481201171875
NODE11X	GENE130X	GENE129X	0.99468994140625
NODE12X	GENE781X	GENE780X	0.99468994140625
NODE13X	GENE2331X	GENE2330X	0.99468994140625
NODE14X	GENE2299X	GENE2298X	0.99432373046875
NODE15X	GENE155X	GENE154X	0.994140625
NODE16X	GENE850X	GENE849X	0.99383544921875
NODE17X	GENE743X	GENE742X	0.993408203125
NODE18X	GENE736X	GENE735X	0.9932861328125
NODE19X	GENE832X	GENE831X	0.9932861328125
NODE20X	GENE294X	GENE293X	0.9931640625
NODE21X	GENE876X	GENE875X	0.99310302734375
NODE22X	GENE746X	NODE3X	0.992919921875
NODE23X	GENE822X	GENE821X	0.99285888671875
NODE24X	GENE741X	GENE740X	0.9927978515625
NODE25X	GENE834X	GENE833X	0.9927978515625
NODE26X	GENE1709X	GENE1708X	0.99273681640625
NODE27X	GENE1551X	GENE1550X	0.99261474609375
NODE28X	GENE125X	NODE8X	0.99261474609375
NODE29X	GENE2117X	GENE2116X	0.9925537109375
NODE30X	GENE807X	GENE806X	0.992431640625
NODE31X	GENE201X	GENE200X	0.9923095703125
NODE32X	GENE757X	GENE756X	0.9923095703125
NODE33X	GENE2339X	NODE9X	0.9920654296875
NODE34X	GENE816X	GENE815X	0.99169921875
NODE35X	GENE843X	GENE842X	0.99163818359375
NODE36X	GENE2391X	GENE2390X	0.99163818359375
NODE37X	GENE110X	GENE109X	0.991455078125
NODE38X	GENE762X	GENE761X	0.991455078125
NODE39X	GENE117X	GENE116X	0.9910888671875
NODE40X	GENE737X	NODE18X	0.99066162109375
NODE41X	GENE779X	GENE778X	0.9906005859375
NODE42X	GENE112X	GENE111X	0.990478515625
NODE43X	NODE17X	GENE738X	0.9903564453125
NODE44X	GENE2303X	GENE2302X	0.9903564453125
NODE45X	GENE748X	GENE747X	0.99029541015625
NODE46X	NODE6X	NODE12X	0.99029541015625
NODE47X	GENE786X	GENE785X	0.99017333984375
NODE48X	GENE2550X	GENE2549X	0.99017333984375
NODE49X	GENE777X	GENE776X	0.99005126953125
NODE50X	GENE180X	GENE179X	0.989990234375
NODE51X	GENE810X	GENE809X	0.989990234375
NODE52X	GENE264X	GENE263X	0.9898681640625
NODE53X	GENE297X	GENE296X	0.9898681640625
NODE54X	NODE16X	GENE848X	0.9898681640625
NODE55X	GENE48X	GENE47X	0.98974609375
NODE56X	GENE138X	GENE137X	0.98974609375
NODE57X	NODE7X	GENE769X	0.98968505859375

NODE58X	GENE115X	GENE114X	0.9896240234375
NODE59X	GENE750X	GENE749X	0.9896240234375
NODE60X	NODE4X	GENE838X	0.9896240234375
NODE61X	GENE956X	GENE955X	0.989501953125
NODE62X	GENE845X	GENE844X	0.98944091796875
NODE63X	GENE1592X	GENE1591X	0.9891357421875
NODE64X	GENE586X	GENE585X	0.989013671875
NODE65X	GENE2295X	GENE2294X	0.98876953125
NODE66X	NODE22X	NODE28X	0.98876953125
NODE67X	GENE118X	NODE39X	0.98876953125
NODE68X	GENE128X	GENE127X	0.98858642578125
NODE69X	GENE193X	GENE192X	0.98858642578125
NODE70X	NODE21X	GENE874X	0.98846435546875
NODE71X	GENE45X	GENE44X	0.98828125
NODE72X	GENE898X	GENE897X	0.9881591796875
NODE73X	NODE56X	GENE136X	0.98779296875
NODE74X	GENE203X	GENE202X	0.98760986328125
NODE75X	GENE755X	GENE753X	0.98748779296875
NODE76X	NODE25X	NODE19X	0.9874267578125
NODE77X	GENE2597X	GENE2596X	0.98724365234375
NODE78X	GENE126X	GENE85X	0.9871826171875
NODE79X	GENE758X	NODE32X	0.98712158203125
NODE80X	NODE23X	GENE820X	0.9869384765625
NODE81X	GENE1330X	GENE1329X	0.9869384765625
NODE82X	GENE240X	GENE239X	0.98681640625
NODE83X	GENE895X	GENE894X	0.9866943359375
NODE84X	NODE20X	GENE292X	0.98651123046875
NODE85X	GENE67X	GENE66X	0.98638916015625
NODE86X	GENE846X	NODE62X	0.98638916015625
NODE87X	GENE1539X	GENE1538X	0.986328125
NODE88X	GENE133X	GENE132X	0.98626708984375
NODE89X	GENE814X	GENE813X	0.9862060546875
NODE90X	GENE142X	GENE141X	0.98602294921875
NODE91X	NODE47X	GENE784X	0.98602294921875
NODE92X	GENE1925X	GENE1924X	0.98602294921875
NODE93X	GENE808X	NODE30X	0.98590087890625
NODE94X	GENE899X	NODE72X	0.98583984375
NODE95X	GENE2496X	GENE2495X	0.9857177734375
NODE96X	NODE54X	GENE847X	0.98565673828125
NODE97X	GENE78X	GENE77X	0.98553466796875
NODE98X	GENE836X	GENE835X	0.98553466796875
NODE99X	NODE43X	GENE207X	0.9854736328125
NODE100X	GENE2452X	GENE2451X	0.98541259765625
NODE101X	GENE319X	GENE318X	0.9853515625
NODE102X	GENE271X	GENE84X	0.9852294921875
NODE103X	NODE49X	GENE775X	0.9852294921875
NODE104X	GENE562X	GENE561X	0.985107421875
NODE105X	NODE37X	GENE108X	0.98504638671875
NODE106X	GENE148X	GENE147X	0.98504638671875
NODE107X	GENE152X	GENE151X	0.98504638671875
NODE108X	GENE160X	GENE159X	0.98504638671875
NODE109X	NODE74X	NODE31X	0.9849853515625
NODE110X	GENE168X	GENE68X	0.98492431640625
NODE111X	GENE183X	NODE11X	0.98492431640625
NODE112X	GENE211X	GENE210X	0.98486328125
NODE113X	GENE1831X	GENE1830X	0.98480224609375
NODE114X	NODE5X	GENE22X	0.98480224609375

NODE115X	GENE2348X	GENE2347X	0.98468017578125
NODE116X	GENE205X	GENE204X	0.984619140625
NODE117X	GENE2473X	GENE2472X	0.984619140625
NODE118X	GENE215X	GENE214X	0.98455810546875
NODE119X	GENE772X	NODE57X	0.98455810546875
NODE120X	NODE58X	GENE113X	0.98443603515625
NODE121X	NODE86X	GENE763X	0.98443603515625
NODE122X	GENE2479X	GENE2478X	0.984375
NODE123X	NODE46X	NODE41X	0.98406982421875
NODE124X	GENE325X	GENE91X	0.98394775390625
NODE125X	GENE796X	GENE795X	0.98394775390625
NODE126X	GENE40X	NODE99X	0.98394775390625
NODE127X	GENE2162X	GENE2161X	0.98382568359375
NODE128X	GENE584X	GENE583X	0.98370361328125
NODE129X	GENE1250X	GENE1249X	0.983642578125
NODE130X	GENE95X	GENE94X	0.98358154296875
NODE131X	NODE79X	NODE66X	0.9835205078125
NODE132X	GENE76X	GENE75X	0.98345947265625
NODE133X	GENE752X	GENE751X	0.98345947265625
NODE134X	GENE119X	NODE67X	0.9833984375
NODE135X	GENE556X	GENE555X	0.98333740234375
NODE136X	GENE787X	GENE754X	0.98333740234375
NODE137X	GENE56X	GENE55X	0.9832763671875
NODE138X	GENE46X	NODE71X	0.983154296875
NODE139X	NODE110X	GENE69X	0.98309326171875
NODE140X	GENE269X	GENE268X	0.9830322265625
NODE141X	NODE24X	GENE739X	0.98284912109375
NODE142X	GENE198X	GENE197X	0.982666015625
NODE143X	GENE273X	GENE272X	0.98260498046875
NODE144X	GENE760X	GENE759X	0.98260498046875
NODE145X	GENE878X	GENE877X	0.9825439453125
NODE146X	NODE59X	NODE45X	0.98248291015625
NODE147X	GENE1595X	GENE1594X	0.98236083984375
NODE148X	GENE303X	GENE302X	0.98223876953125
NODE149X	GENE51X	GENE50X	0.98211669921875
NODE150X	GENE765X	GENE764X	0.98193359375
NODE151X	GENE121X	GENE120X	0.98187255859375
NODE152X	GENE249X	GENE248X	0.98187255859375
NODE153X	GENE799X	GENE798X	0.9818115234375
NODE154X	GENE841X	NODE60X	0.9818115234375
NODE155X	GENE2456X	GENE2455X	0.9818115234375
NODE156X	GENE232X	GENE231X	0.98175048828125
NODE157X	NODE107X	GENE150X	0.981689453125
NODE158X	NODE50X	GENE178X	0.981689453125
NODE159X	GENE35X	GENE34X	0.98162841796875
NODE160X	GENE2678X	GENE2590X	0.98162841796875
NODE161X	NODE73X	NODE78X	0.98162841796875
NODE162X	GENE276X	GENE275X	0.9814453125
NODE163X	GENE793X	GENE792X	0.9814453125
NODE164X	GENE102X	GENE101X	0.98138427734375
NODE165X	GENE873X	GENE872X	0.98138427734375
NODE166X	GENE241X	NODE82X	0.98138427734375
NODE167X	GENE73X	GENE72X	0.9813232421875
NODE168X	GENE208X	GENE206X	0.98126220703125
NODE169X	GENE790X	GENE789X	0.98126220703125
NODE170X	GENE324X	GENE323X	0.981201171875
NODE171X	GENE773X	NODE119X	0.9810791015625

NODE172X	GENE880X	GENE879X	0.98101806640625
NODE173X	GENE335X	GENE334X	0.98089599609375
NODE174X	GENE812X	GENE811X	0.98089599609375
NODE175X	GENE959X	GENE958X	0.9808349609375
NODE176X	NODE112X	GENE209X	0.98077392578125
NODE177X	GENE1746X	GENE1745X	0.9805908203125
NODE178X	GENE804X	GENE803X	0.98052978515625
NODE179X	GENE509X	GENE508X	0.98046875
NODE180X	GENE526X	GENE525X	0.9803466796875
NODE181X	GENE788X	NODE136X	0.9803466796875
NODE182X	GENE819X	GENE818X	0.980224609375
NODE183X	GENE167X	GENE166X	0.98016357421875
NODE184X	GENE1765X	GENE1764X	0.98016357421875
NODE185X	GENE614X	GENE613X	0.97998046875
NODE186X	GENE1545X	GENE1544X	0.97998046875
NODE187X	NODE93X	GENE805X	0.9798583984375
NODE188X	GENE164X	GENE163X	0.97979736328125
NODE189X	GENE171X	GENE170X	0.979736328125
NODE190X	GENE2623X	GENE2622X	0.979736328125
NODE191X	GENE145X	GENE144X	0.9796142578125
NODE192X	GENE2309X	GENE2308X	0.9793701171875
NODE193X	GENE54X	GENE53X	0.97930908203125
NODE194X	NODE103X	GENE774X	0.97930908203125
NODE195X	NODE75X	NODE131X	0.97930908203125
NODE196X	GENE767X	GENE766X	0.979248046875
NODE197X	GENE80X	GENE79X	0.9791259765625
NODE198X	GENE2133X	GENE2132X	0.97900390625
NODE199X	NODE76X	GENE830X	0.9786376953125
NODE200X	GENE282X	GENE281X	0.97857666015625
NODE201X	GENE817X	NODE34X	0.97857666015625
NODE202X	GENE1649X	GENE1648X	0.97857666015625
NODE203X	GENE837X	NODE98X	0.97845458984375
NODE204X	GENE2122X	GENE2121X	0.97845458984375
NODE205X	GENE884X	GENE883X	0.9783935546875
NODE206X	NODE70X	NODE165X	0.9783935546875
NODE207X	GENE277X	NODE162X	0.9783935546875
NODE208X	GENE2448X	GENE2447X	0.978271484375
NODE209X	NODE154X	NODE38X	0.978271484375
NODE210X	GENE2130X	GENE2129X	0.97821044921875
NODE211X	GENE43X	GENE42X	0.9781494140625
NODE212X	GENE395X	GENE394X	0.9781494140625
NODE213X	GENE825X	GENE824X	0.9781494140625
NODE214X	GENE2615X	GENE2614X	0.97808837890625
NODE215X	NODE1X	GENE1598X	0.97808837890625
NODE216X	GENE604X	GENE603X	0.97802734375
NODE217X	GENE265X	NODE52X	0.9776611328125
NODE218X	NODE132X	GENE74X	0.97747802734375
NODE219X	GENE2301X	GENE2300X	0.97747802734375
NODE220X	NODE42X	NODE105X	0.9774169921875
NODE221X	GENE135X	NODE161X	0.9774169921875
NODE222X	GENE49X	NODE55X	0.97735595703125
NODE223X	GENE890X	GENE889X	0.97735595703125
NODE224X	GENE153X	NODE157X	0.97735595703125
NODE225X	GENE797X	NODE125X	0.977294921875
NODE226X	GENE242X	GENE157X	0.9771728515625
NODE227X	GENE274X	NODE143X	0.9771728515625
NODE228X	GENE233X	NODE156X	0.97711181640625

NODE229X	NODE33X	GENE2336X	0.97705078125
NODE230X	GENE418X	GENE417X	0.97698974609375
NODE231X	NODE167X	GENE71X	0.97698974609375
NODE232X	NODE35X	GENE768X	0.97686767578125
NODE233X	GENE429X	GENE428X	0.976806640625
NODE234X	GENE2389X	GENE1603X	0.976806640625
NODE235X	GENE298X	NODE53X	0.97674560546875
NODE236X	GENE2135X	GENE2134X	0.97674560546875
NODE237X	GENE86X	GENE4X	0.97662353515625
NODE238X	NODE83X	GENE893X	0.97662353515625
NODE239X	GENE1302X	GENE1301X	0.97662353515625
NODE240X	NODE126X	NODE15X	0.9765625
NODE241X	GENE107X	GENE106X	0.9764404296875
NODE242X	GENE2114X	GENE2113X	0.97637939453125
NODE243X	GENE2444X	GENE2443X	0.976318359375
NODE244X	GENE196X	GENE195X	0.97625732421875
NODE245X	GENE2328X	GENE1602X	0.97625732421875
NODE246X	GENE823X	NODE80X	0.97613525390625
NODE247X	GENE858X	GENE857X	0.97607421875
NODE248X	GENE143X	NODE90X	0.97601318359375
NODE249X	GENE800X	NODE153X	0.9759521484375
NODE250X	GENE860X	GENE859X	0.9759521484375
NODE251X	NODE109X	NODE102X	0.97589111328125
NODE252X	GENE2514X	GENE2513X	0.975830078125
NODE253X	GENE791X	NODE169X	0.97576904296875
NODE254X	GENE1597X	GENE1596X	0.9757080078125
NODE255X	GENE1661X	GENE1660X	0.9757080078125
NODE256X	GENE1716X	GENE1715X	0.9757080078125
NODE257X	GENE97X	GENE96X	0.97564697265625
NODE258X	GENE131X	NODE68X	0.9755859375
NODE259X	NODE189X	GENE169X	0.9755859375
NODE260X	NODE155X	GENE2454X	0.97552490234375
NODE261X	GENE2021X	GENE2020X	0.97540283203125
NODE262X	NODE123X	NODE194X	0.97540283203125
NODE263X	NODE159X	GENE33X	0.975341796875
NODE264X	GENE213X	GENE212X	0.975341796875
NODE265X	GENE246X	GENE92X	0.97528076171875
NODE266X	GENE83X	GENE82X	0.9752197265625
NODE267X	GENE300X	GENE299X	0.9752197265625
NODE268X	NODE101X	GENE317X	0.9752197265625
NODE269X	GENE199X	NODE142X	0.97515869140625
NODE270X	NODE137X	NODE193X	0.97509765625
NODE271X	GENE2520X	GENE2519X	0.97503662109375
NODE272X	GENE2374X	GENE2373X	0.9749755859375
NODE273X	GENE2677X	GENE2676X	0.9749755859375
NODE274X	GENE1533X	GENE1532X	0.974853515625
NODE275X	NODE96X	NODE209X	0.97479248046875
NODE276X	GENE1664X	GENE1663X	0.9747314453125
NODE277X	GENE529X	GENE528X	0.97467041015625
NODE278X	GENE882X	GENE881X	0.9744873046875
NODE279X	GENE270X	NODE140X	0.97442626953125
NODE280X	NODE135X	GENE554X	0.97442626953125
NODE281X	GENE1617X	GENE1616X	0.974365234375
NODE282X	GENE65X	GENE64X	0.97430419921875
NODE283X	GENE251X	GENE250X	0.9742431640625
NODE284X	GENE266X	NODE217X	0.97412109375
NODE285X	GENE134X	NODE88X	0.97406005859375

NODE286X	GENE2139X	GENE2138X	0.9739990234375
NODE287X	NODE69X	NODE138X	0.9739990234375
NODE288X	GENE2154X	GENE2153X	0.973876953125
NODE289X	GENE61X	GENE60X	0.97369384765625
NODE290X	GENE161X	NODE108X	0.97369384765625
NODE291X	NODE139X	NODE85X	0.97369384765625
NODE292X	NODE224X	GENE149X	0.97357177734375
NODE293X	GENE235X	GENE234X	0.97357177734375
NODE294X	GENE802X	GENE801X	0.9735107421875
NODE295X	NODE213X	NODE246X	0.9735107421875
NODE296X	GENE2136X	NODE236X	0.97344970703125
NODE297X	GENE2465X	GENE2464X	0.973388671875
NODE298X	GENE2X	GENE1X	0.97332763671875
NODE299X	GENE188X	GENE187X	0.97332763671875
NODE300X	GENE287X	GENE286X	0.97332763671875
NODE301X	GENE15X	GENE14X	0.97320556640625
NODE302X	GENE295X	NODE84X	0.97320556640625
NODE303X	GENE438X	GENE437X	0.97320556640625
NODE304X	NODE133X	NODE146X	0.97320556640625
NODE305X	GENE612X	GENE611X	0.97314453125
NODE306X	GENE2274X	GENE2273X	0.97308349609375
NODE307X	GENE533X	GENE532X	0.9730224609375
NODE308X	NODE211X	GENE40X	0.97283935546875
NODE309X	GENE237X	GENE236X	0.97283935546875
NODE310X	NODE150X	GENE330X	0.9727783203125
NODE311X	GENE360X	GENE359X	0.9727783203125
NODE312X	GENE550X	GENE549X	0.97271728515625
NODE313X	GENE1740X	GENE1739X	0.97265625
NODE314X	GENE181X	NODE158X	0.97259521484375
NODE315X	GENE2327X	GENE2326X	0.9725341796875
NODE316X	NODE144X	NODE195X	0.97247314453125
NODE317X	GENE165X	NODE188X	0.972412109375
NODE318X	GENE305X	NODE116X	0.97222900390625
NODE319X	GENE409X	GENE408X	0.97198486328125
NODE320X	NODE147X	GENE1593X	0.97198486328125
NODE321X	NODE176X	NODE168X	0.971923828125
NODE322X	NODE304X	NODE141X	0.971923828125
NODE323X	GENE140X	GENE139X	0.97186279296875
NODE324X	GENE1077X	GENE1076X	0.9716796875
NODE325X	GENE2446X	GENE1675X	0.9716796875
NODE326X	GENE175X	GENE174X	0.97161865234375
NODE327X	GENE966X	GENE965X	0.97149658203125
NODE328X	GENE2487X	GENE2486X	0.97149658203125
NODE329X	NODE199X	NODE121X	0.97137451171875
NODE330X	GENE2476X	GENE2475X	0.97119140625
NODE331X	GENE2592X	GENE2591X	0.97119140625
NODE332X	GENE2643X	GENE2642X	0.97113037109375
NODE333X	GENE2675X	GENE2674X	0.97113037109375
NODE334X	GENE2499X	GENE2498X	0.9710693359375
NODE335X	GENE2521X	NODE271X	0.9710693359375
NODE336X	GENE278X	NODE207X	0.97100830078125
NODE337X	GENE2152X	GENE2151X	0.970947265625
NODE338X	NODE227X	GENE254X	0.9708251953125
NODE339X	NODE120X	NODE220X	0.970703125
NODE340X	GENE225X	GENE224X	0.97064208984375
NODE341X	GENE1372X	GENE1371X	0.970458984375
NODE342X	NODE89X	NODE262X	0.970458984375

NODE343X	GENE19X	GENE18X	0.97039794921875
NODE344X	GENE2149X	GENE2148X	0.97027587890625
NODE345X	GENE2658X	GENE2657X	0.97015380859375
NODE346X	NODE91X	NODE181X	0.9700927734375
NODE347X	GENE376X	GENE375X	0.97003173828125
NODE348X	GENE406X	NODE170X	0.97003173828125
NODE349X	GENE457X	GENE456X	0.9698486328125
NODE350X	NODE64X	NODE128X	0.9698486328125
NODE351X	GENE2036X	GENE2035X	0.96978759765625
NODE352X	NODE270X	GENE52X	0.96978759765625
NODE353X	NODE178X	NODE111X	0.9697265625
NODE354X	GENE190X	GENE146X	0.96966552734375
NODE355X	NODE104X	GENE560X	0.96966552734375
NODE356X	GENE581X	NODE191X	0.96966552734375
NODE357X	GENE606X	GENE605X	0.969482421875
NODE358X	GENE2440X	GENE2439X	0.969482421875
NODE359X	GENE531X	GENE530X	0.9693603515625
NODE360X	GENE1574X	GENE1573X	0.9693603515625
NODE361X	GENE1611X	GENE1610X	0.96929931640625
NODE362X	GENE2493X	GENE2492X	0.96929931640625
NODE363X	GENE2160X	GENE2131X	0.96923828125
NODE364X	GENE2110X	GENE2109X	0.96917724609375
NODE365X	GENE90X	GENE89X	0.9691162109375
NODE366X	NODE275X	NODE232X	0.9691162109375
NODE367X	NODE235X	NODE244X	0.9691162109375
NODE368X	GENE1254X	GENE1253X	0.96905517578125
NODE369X	GENE1615X	GENE1614X	0.96905517578125
NODE370X	GENE122X	NODE151X	0.968994140625
NODE371X	GENE1028X	GENE1027X	0.96893310546875
NODE372X	GENE610X	GENE609X	0.9688720703125
NODE373X	GENE220X	GENE219X	0.96881103515625
NODE374X	GENE2040X	GENE2039X	0.96881103515625
NODE375X	GENE2066X	GENE2065X	0.96881103515625
NODE376X	NODE219X	NODE14X	0.96881103515625
NODE377X	NODE149X	NODE222X	0.96881103515625
NODE378X	GENE57X	NODE352X	0.96881103515625
NODE379X	GENE2059X	GENE2058X	0.96875
NODE380X	GENE2368X	GENE2367X	0.96868896484375
NODE381X	NODE77X	GENE2595X	0.96868896484375
NODE382X	GENE351X	GENE350X	0.9686279296875
NODE383X	GENE59X	GENE58X	0.96856689453125
NODE384X	NODE124X	GENE87X	0.96856689453125
NODE385X	GENE1752X	GENE1751X	0.96856689453125
NODE386X	GENE238X	NODE309X	0.968505859375
NODE387X	GENE416X	GENE415X	0.96844482421875
NODE388X	GENE960X	NODE175X	0.96844482421875
NODE389X	NODE197X	NODE97X	0.9683837890625
NODE390X	GENE372X	GENE156X	0.96826171875
NODE391X	NODE192X	GENE2307X	0.96820068359375
NODE392X	GENE185X	GENE184X	0.9681396484375
NODE393X	GENE592X	GENE591X	0.96807861328125
NODE394X	GENE430X	NODE233X	0.96807861328125
NODE395X	NODE313X	GENE1738X	0.96807861328125
NODE396X	GENE304X	NODE318X	0.96807861328125
NODE397X	GENE651X	GENE572X	0.968017578125
NODE398X	NODE183X	NODE317X	0.96795654296875
NODE399X	NODE94X	NODE238X	0.9678955078125

NODE400X	GENE1974X	GENE1973X	0.9676513671875
NODE401X	GENE2304X	NODE44X	0.9676513671875
NODE402X	GENE411X	GENE410X	0.96759033203125
NODE403X	GENE589X	GENE588X	0.96759033203125
NODE404X	NODE204X	GENE2120X	0.96759033203125
NODE405X	NODE164X	GENE100X	0.967529296875
NODE406X	GENE587X	NODE200X	0.96746826171875
NODE407X	NODE308X	GENE41X	0.96734619140625
NODE408X	GENE329X	NODE130X	0.96734619140625
NODE409X	GENE342X	GENE341X	0.96734619140625
NODE410X	GENE252X	NODE283X	0.96722412109375
NODE411X	GENE828X	GENE827X	0.96722412109375
NODE412X	GENE25X	NODE114X	0.9671630859375
NODE413X	NODE29X	GENE2115X	0.96710205078125
NODE414X	GENE362X	GENE361X	0.967041015625
NODE415X	GENE328X	GENE327X	0.96697998046875
NODE416X	GENE223X	GENE222X	0.966796875
NODE417X	GENE1927X	GENE1926X	0.966796875
NODE418X	NODE201X	NODE174X	0.966796875
NODE419X	GENE2126X	GENE2125X	0.96649169921875
NODE420X	NODE291X	NODE282X	0.96649169921875
NODE421X	GENE2070X	GENE2069X	0.9664306640625
NODE422X	GENE979X	GENE978X	0.96636962890625
NODE423X	GENE2157X	GENE2156X	0.96636962890625
NODE424X	NODE203X	NODE187X	0.96636962890625
NODE425X	NODE182X	NODE51X	0.96612548828125
NODE426X	GENE2276X	GENE2275X	0.966064453125
NODE427X	GENE285X	GENE284X	0.96600341796875
NODE428X	NODE231X	GENE70X	0.9659423828125
NODE429X	GENE1681X	GENE1680X	0.9659423828125
NODE430X	NODE240X	NODE258X	0.96588134765625
NODE431X	GENE105X	GENE104X	0.96575927734375
NODE432X	GENE2365X	GENE2364X	0.96575927734375
NODE433X	GENE2483X	GENE2482X	0.96575927734375
NODE434X	NODE226X	GENE93X	0.965576171875
NODE435X	NODE355X	GENE257X	0.965576171875
NODE436X	NODE302X	GENE291X	0.9654541015625
NODE437X	NODE223X	GENE888X	0.9654541015625
NODE438X	GENE1333X	GENE1332X	0.9654541015625
NODE439X	NODE280X	GENE553X	0.96539306640625
NODE440X	NODE234X	GENE1601X	0.96539306640625
NODE441X	GENE1659X	GENE1658X	0.96539306640625
NODE442X	GENE964X	GENE3X	0.96527099609375
NODE443X	GENE522X	GENE521X	0.96527099609375
NODE444X	GENE2497X	NODE95X	0.96527099609375
NODE445X	GENE2442X	GENE2441X	0.9652099609375
NODE446X	GENE2527X	GENE2526X	0.96514892578125
NODE447X	NODE370X	NODE134X	0.9649658203125
NODE448X	NODE171X	NODE196X	0.96478271484375
NODE449X	NODE245X	NODE254X	0.96478271484375
NODE450X	GENE349X	GENE348X	0.9647216796875
NODE451X	GENE598X	GENE597X	0.96466064453125
NODE452X	GENE2360X	GENE2359X	0.964599609375
NODE453X	GENE2377X	GENE2376X	0.96453857421875
NODE454X	GENE2560X	GENE2559X	0.96453857421875
NODE455X	GENE794X	NODE163X	0.96441650390625
NODE456X	GENE2124X	GENE2112X	0.96441650390625



NODE457X	GENE378X	GENE377X	0.96435546875
NODE458X	GENE194X	NODE287X	0.96429443359375
NODE459X	NODE285X	NODE221X	0.96429443359375
NODE460X	GENE103X	NODE237X	0.964111328125
NODE461X	GENE2119X	GENE2118X	0.964111328125
NODE462X	GENE173X	GENE172X	0.96405029296875
NODE463X	GENE2107X	GENE2106X	0.9639892578125
NODE464X	NODE322X	NODE316X	0.96392822265625
NODE465X	GENE253X	NODE166X	0.9638671875
NODE466X	NODE327X	GENE963X	0.9638671875
NODE467X	GENE2546X	GENE2545X	0.96380615234375
NODE468X	GENE407X	NODE348X	0.9637451171875
NODE469X	GENE1162X	GENE1161X	0.9637451171875
NODE470X	NODE172X	NODE145X	0.9637451171875
NODE471X	GENE261X	GENE88X	0.96368408203125
NODE472X	GENE332X	GENE331X	0.96368408203125
NODE473X	GENE1947X	GENE1946X	0.96368408203125
NODE474X	GENE2449X	GENE2310X	0.96368408203125
NODE475X	GENE2380X	GENE2379X	0.96368408203125
NODE476X	GENE1666X	GENE1665X	0.963623046875
NODE477X	GENE490X	GENE489X	0.96356201171875
NODE478X	NODE198X	GENE2127X	0.9635009765625
NODE479X	GENE2463X	NODE2X	0.96337890625
NODE480X	GENE1754X	GENE1753X	0.96331787109375
NODE481X	GENE2101X	GENE2100X	0.96331787109375
NODE482X	GENE2123X	NODE261X	0.96331787109375
NODE483X	GENE901X	GENE900X	0.9632568359375
NODE484X	GENE593X	NODE393X	0.9632568359375
NODE485X	GENE927X	GENE926X	0.963134765625
NODE486X	GENE191X	GENE189X	0.9630126953125
NODE487X	GENE245X	NODE265X	0.9630126953125
NODE488X	GENE1701X	GENE1700X	0.96295166015625
NODE489X	GENE2490X	NODE10X	0.9627685546875
NODE490X	GENE1232X	GENE1231X	0.96270751953125
NODE491X	NODE100X	GENE2450X	0.96270751953125
NODE492X	GENE2142X	GENE2141X	0.962646484375
NODE493X	NODE36X	GENE2388X	0.962646484375
NODE494X	NODE279X	NODE338X	0.962646484375
NODE495X	NODE441X	GENE1657X	0.962646484375
NODE496X	GENE616X	GENE615X	0.96258544921875
NODE497X	NODE328X	GENE2485X	0.96258544921875
NODE498X	NODE329X	NODE366X	0.96258544921875
NODE499X	GENE826X	NODE295X	0.96246337890625
NODE500X	GENE2375X	NODE272X	0.96234130859375
NODE501X	GENE2502X	GENE2501X	0.96234130859375
NODE502X	GENE2576X	GENE2575X	0.96234130859375
NODE503X	GENE2670X	GENE2669X	0.96221923828125
NODE504X	GENE12X	GENE11X	0.96209716796875
NODE505X	GENE98X	NODE257X	0.96209716796875
NODE506X	GENE564X	GENE563X	0.96209716796875
NODE507X	NODE249X	NODE225X	0.96209716796875
NODE508X	GENE730X	GENE729X	0.9620361328125
NODE509X	GENE1579X	GENE1578X	0.96197509765625
NODE510X	GENE301X	NODE267X	0.96185302734375
NODE511X	NODE418X	NODE342X	0.9617919921875
NODE512X	GENE552X	GENE551X	0.961669921875
NODE513X	GENE1207X	GENE1206X	0.961669921875

NODE514X	NODE424X	NODE353X	0.961669921875
NODE515X	GENE2530X	GENE2529X	0.96148681640625
NODE516X	GENE366X	GENE365X	0.96142578125
NODE517X	GENE2351X	GENE2350X	0.96136474609375
NODE518X	GENE582X	GENE310X	0.9613037109375
NODE519X	GENE596X	GENE595X	0.96112060546875
NODE520X	GENE412X	NODE402X	0.96112060546875
NODE521X	NODE305X	NODE372X	0.9610595703125
NODE522X	GENE2290X	GENE2289X	0.9609375
NODE523X	NODE299X	GENE158X	0.96087646484375
NODE524X	GENE2577X	NODE502X	0.9608154296875
NODE525X	GENE652X	GENE580X	0.96075439453125
NODE526X	GENE16X	NODE301X	0.960693359375
NODE527X	GENE472X	GENE471X	0.960693359375
NODE528X	GENE2644X	NODE332X	0.960693359375
NODE529X	NODE410X	NODE152X	0.96063232421875
NODE530X	GENE322X	GENE321X	0.9605712890625
NODE531X	GENE2053X	GENE2052X	0.96051025390625
NODE532X	NODE263X	GENE32X	0.96044921875
NODE533X	GENE476X	GENE475X	0.96044921875
NODE534X	GENE1736X	GENE1735X	0.96026611328125
NODE535X	GENE1747X	NODE177X	0.96026611328125
NODE536X	NODE243X	NODE325X	0.960205078125
NODE537X	NODE415X	GENE326X	0.9600830078125
NODE538X	GENE558X	GENE557X	0.96002197265625
NODE539X	NODE320X	NODE63X	0.9599609375
NODE540X	NODE364X	GENE2108X	0.9598388671875
NODE541X	NODE269X	NODE106X	0.9598388671875
NODE542X	NODE408X	NODE384X	0.95977783203125
NODE543X	GENE467X	GENE466X	0.959716796875
NODE544X	NODE216X	GENE280X	0.95953369140625
NODE545X	GENE2477X	NODE330X	0.95947265625
NODE546X	NODE266X	GENE81X	0.95941162109375
NODE547X	GENE1758X	GENE1757X	0.95941162109375
NODE548X	GENE862X	GENE861X	0.9593505859375
NODE549X	GENE829X	NODE411X	0.95928955078125
NODE550X	GENE442X	GENE441X	0.9591064453125
NODE551X	GENE1534X	NODE274X	0.958984375
NODE552X	GENE2333X	GENE2332X	0.9588623046875
NODE553X	GENE535X	GENE534X	0.95880126953125
NODE554X	GENE1576X	GENE1570X	0.95867919921875
NODE555X	NODE248X	NODE323X	0.95867919921875
NODE556X	GENE2610X	GENE2609X	0.95849609375
NODE557X	GENE316X	GENE315X	0.95831298828125
NODE558X	GENE454X	GENE453X	0.95819091796875
NODE559X	GENE2438X	GENE2437X	0.95819091796875
NODE560X	GENE2633X	GENE2632X	0.95819091796875
NODE561X	NODE250X	GENE343X	0.95806884765625
NODE562X	GENE445X	GENE444X	0.95806884765625
NODE563X	GENE2523X	GENE2522X	0.9580078125
NODE564X	NODE358X	NODE559X	0.9580078125
NODE565X	NODE242X	GENE2111X	0.95782470703125
NODE566X	GENE244X	NODE487X	0.95782470703125
NODE567X	GENE1646X	GENE1645X	0.957763671875
NODE568X	GENE2321X	GENE2320X	0.957763671875
NODE569X	GENE2323X	GENE2322X	0.957763671875
NODE570X	GENE2552X	GENE2551X	0.957763671875

NODE571X	NODE346X	NODE448X	0.95770263671875
NODE572X	GENE968X	GENE967X	0.9576416015625
NODE573X	NODE449X	NODE215X	0.9576416015625
NODE574X	GENE352X	NODE382X	0.95758056640625
NODE575X	GENE2355X	GENE2354X	0.95758056640625
NODE576X	GENE414X	GENE413X	0.95751953125
NODE577X	GENE2155X	NODE288X	0.95751953125
NODE578X	GENE31X	GENE30X	0.9573974609375
NODE579X	GENE2652X	GENE2651X	0.9573974609375
NODE580X	GENE2445X	NODE536X	0.9573974609375
NODE581X	GENE1012X	GENE1011X	0.95733642578125
NODE582X	GENE2539X	GENE2538X	0.9571533203125
NODE583X	NODE406X	NODE336X	0.9571533203125
NODE584X	NODE427X	GENE283X	0.9571533203125
NODE585X	GENE226X	NODE340X	0.95709228515625
NODE586X	GENE459X	GENE455X	0.95709228515625
NODE587X	GENE354X	GENE353X	0.95703125
NODE588X	NODE118X	NODE264X	0.95697021484375
NODE589X	GENE2272X	GENE2271X	0.9569091796875
NODE590X	NODE405X	GENE99X	0.95684814453125
NODE591X	GENE182X	NODE314X	0.956787109375
NODE592X	NODE470X	NODE206X	0.956787109375
NODE593X	NODE503X	GENE2668X	0.9566650390625
NODE594X	GENE21X	GENE20X	0.95654296875
NODE595X	NODE373X	GENE218X	0.95648193359375
NODE596X	GENE657X	GENE656X	0.9564208984375
NODE597X	NODE430X	NODE447X	0.95623779296875
NODE598X	GENE230X	GENE229X	0.95611572265625
NODE599X	GENE2500X	NODE334X	0.95611572265625
NODE600X	NODE13X	GENE2329X	0.9559326171875
NODE601X	NODE148X	NODE396X	0.9559326171875
NODE602X	NODE389X	NODE218X	0.9559326171875
NODE603X	GENE655X	GENE654X	0.95587158203125
NODE604X	GENE308X	GENE307X	0.955810546875
NODE605X	GENE2505X	GENE2504X	0.95574951171875
NODE606X	NODE444X	GENE2494X	0.9556884765625
NODE607X	GENE363X	NODE414X	0.95562744140625
NODE608X	NODE307X	NODE359X	0.95550537109375
NODE609X	NODE398X	GENE162X	0.9554443359375
NODE610X	GENE1489X	GENE1488X	0.9554443359375
NODE611X	GENE2144X	GENE2143X	0.9554443359375
NODE612X	NODE260X	GENE2453X	0.95538330078125
NODE613X	GENE957X	NODE61X	0.955322265625
NODE614X	GENE267X	NODE284X	0.95526123046875
NODE615X	GENE896X	NODE399X	0.95526123046875
NODE616X	GENE2363X	GENE2362X	0.95526123046875
NODE617X	NODE356X	NODE292X	0.9552001953125
NODE618X	GENE510X	NODE179X	0.95513916015625
NODE619X	GENE2342X	GENE2341X	0.95513916015625
NODE620X	GENE2518X	GENE2319X	0.9549560546875
NODE621X	GENE2672X	GENE2671X	0.9549560546875
NODE622X	NODE530X	GENE13X	0.9549560546875
NODE623X	GENE1679X	GENE1678X	0.954833984375
NODE624X	GENE618X	GENE617X	0.95477294921875
NODE625X	NODE255X	NODE495X	0.95477294921875
NODE626X	GENE1181X	GENE1180X	0.95465087890625
NODE627X	GENE2370X	GENE2369X	0.95465087890625

NODE628X	NODE494X	NODE354X	0.95458984375
NODE629X	GENE320X	NODE268X	0.95452880859375
NODE630X	NODE437X	GENE887X	0.95452880859375
NODE631X	NODE400X	GENE1972X	0.95452880859375
NODE632X	GENE336X	NODE173X	0.9544677734375
NODE633X	NODE311X	GENE358X	0.9544677734375
NODE634X	GENE356X	GENE355X	0.95440673828125
NODE635X	GENE2458X	GENE2457X	0.95440673828125
NODE636X	GENE371X	NODE390X	0.954345703125
NODE637X	GENE2416X	GENE2415X	0.954345703125
NODE638X	NODE339X	NODE428X	0.954345703125
NODE639X	NODE214X	GENE2613X	0.95428466796875
NODE640X	NODE544X	GENE478X	0.95416259765625
NODE641X	NODE404X	NODE456X	0.9539794921875
NODE642X	GENE381X	GENE380X	0.95391845703125
NODE643X	GENE1624X	GENE1623X	0.953857421875
NODE644X	NODE337X	GENE2150X	0.9537353515625
NODE645X	GENE1612X	NODE361X	0.95367431640625
NODE646X	NODE205X	NODE278X	0.95361328125
NODE647X	NODE362X	GENE2491X	0.95355224609375
NODE648X	NODE350X	NODE367X	0.9534912109375
NODE649X	NODE160X	GENE2593X	0.953369140625
NODE650X	NODE420X	GENE63X	0.9532470703125
NODE651X	GENE607X	GENE594X	0.95318603515625
NODE652X	GENE1853X	GENE1852X	0.9530029296875
NODE653X	NODE360X	GENE1572X	0.9530029296875
NODE654X	GENE186X	NODE392X	0.95294189453125
NODE655X	GENE217X	GENE216X	0.95294189453125
NODE656X	NODE539X	GENE1590X	0.952880859375
NODE657X	GENE2353X	GENE2352X	0.9527587890625
NODE658X	GENE483X	GENE482X	0.95257568359375
NODE659X	GENE2471X	GENE2470X	0.952392578125
NODE660X	GENE2667X	GENE2517X	0.95233154296875
NODE661X	GENE2398X	GENE2397X	0.9522705078125
NODE662X	GENE452X	GENE451X	0.95220947265625
NODE663X	GENE1581X	GENE1580X	0.95220947265625
NODE664X	NODE455X	NODE253X	0.9521484375
NODE665X	GENE2346X	GENE2345X	0.9520263671875
NODE666X	GENE2358X	GENE2357X	0.9520263671875
NODE667X	NODE450X	GENE347X	0.95196533203125
NODE668X	GENE1479X	GENE1478X	0.95196533203125
NODE669X	GENE370X	GENE369X	0.9517822265625
NODE670X	GENE1916X	GENE1915X	0.95159912109375
NODE671X	NODE434X	NODE290X	0.95147705078125
NODE672X	GENE663X	GENE662X	0.951416015625
NODE673X	GENE2229X	GENE2228X	0.951416015625
NODE674X	GENE2460X	GENE2459X	0.951416015625
NODE675X	GENE653X	GENE650X	0.95135498046875
NODE676X	GENE1742X	GENE1741X	0.95135498046875
NODE677X	GENE2503X	NODE501X	0.95135498046875
NODE678X	GENE542X	GENE541X	0.951171875
NODE679X	GENE2603X	GENE2602X	0.951171875
NODE680X	GENE2349X	NODE115X	0.9510498046875
NODE681X	GENE1618X	NODE281X	0.95098876953125
NODE682X	NODE383X	NODE378X	0.95098876953125
NODE683X	GENE439X	NODE303X	0.950927734375
NODE684X	GENE930X	NODE347X	0.9508056640625

NODE685X	GENE338X	GENE337X	0.95074462890625
NODE686X	GENE2638X	GENE2637X	0.95068359375
NODE687X	NODE377X	NODE407X	0.95062255859375
NODE688X	GENE909X	NODE518X	0.9505615234375
NODE689X	GENE432X	GENE431X	0.95050048828125
NODE690X	GENE2239X	GENE2165X	0.950439453125
NODE691X	GENE498X	GENE497X	0.95037841796875
NODE692X	GENE2055X	GENE2054X	0.95037841796875
NODE693X	NODE319X	NODE460X	0.9503173828125
NODE694X	NODE465X	NODE386X	0.9503173828125
NODE695X	GENE259X	GENE258X	0.95025634765625
NODE696X	NODE210X	GENE1921X	0.95025634765625
NODE697X	NODE375X	GENE2064X	0.95025634765625
NODE698X	GENE2297X	GENE2296X	0.95025634765625
NODE699X	GENE2528X	GENE1798X	0.9501953125
NODE700X	GENE2147X	GENE2146X	0.9501953125
NODE701X	NODE442X	NODE394X	0.9501953125
NODE702X	GENE2008X	GENE2007X	0.95013427734375
NODE703X	GENE1644X	GENE1643X	0.95001220703125
NODE704X	NODE425X	NODE511X	0.949951171875
NODE705X	NODE435X	NODE529X	0.9498291015625
NODE706X	NODE357X	NODE640X	0.94964599609375
NODE707X	GENE732X	GENE333X	0.9495849609375
NODE708X	GENE1040X	GENE1039X	0.949462890625
NODE709X	GENE1065X	GENE1064X	0.94940185546875
NODE710X	GENE2215X	GENE2214X	0.94927978515625
NODE711X	GENE1672X	GENE1671X	0.94921875
NODE712X	GENE243X	NODE228X	0.94903564453125
NODE713X	GENE1724X	GENE1723X	0.94903564453125
NODE714X	GENE2673X	NODE621X	0.948974609375
NODE715X	GENE461X	NODE542X	0.9488525390625
NODE716X	NODE493X	GENE2387X	0.94873046875
NODE717X	GENE1143X	GENE599X	0.9486083984375
NODE718X	GENE306X	NODE601X	0.9486083984375
NODE719X	GENE928X	NODE485X	0.94854736328125
NODE720X	GENE1176X	GENE1175X	0.94854736328125
NODE721X	GENE1901X	GENE1900X	0.94854736328125
NODE722X	GENE2525X	GENE2524X	0.94854736328125
NODE723X	GENE443X	NODE550X	0.94830322265625
NODE724X	GENE374X	GENE373X	0.94818115234375
NODE725X	GENE2092X	GENE2091X	0.9481201171875
NODE726X	GENE864X	GENE863X	0.94805908203125
NODE727X	NODE512X	NODE312X	0.947998046875
NODE728X	GENE540X	GENE539X	0.9478759765625
NODE729X	NODE413X	NODE565X	0.94781494140625
NODE730X	NODE538X	NODE439X	0.94781494140625
NODE731X	GENE2005X	GENE2004X	0.94775390625
NODE732X	GENE2269X	GENE2019X	0.94775390625
NODE733X	NODE241X	NODE431X	0.94769287109375
NODE734X	NODE298X	GENE0X	0.94757080078125
NODE735X	GENE2076X	GENE2075X	0.9473876953125
NODE736X	GENE227X	NODE365X	0.947265625
NODE737X	GENE2048X	GENE2047X	0.947265625
NODE738X	NODE421X	GENE2068X	0.947265625
NODE739X	GENE2589X	GENE2588X	0.9471435546875
NODE740X	GENE247X	NODE566X	0.94696044921875
NODE741X	GENE633X	GENE632X	0.94696044921875

NODE742X	NODE251X	NODE523X	0.94696044921875
NODE743X	GENE62X	NODE289X	0.94683837890625
NODE744X	NODE684X	NODE724X	0.94683837890625
NODE745X	GENE26X	NODE412X	0.94671630859375
NODE746X	NODE500X	GENE2372X	0.9466552734375
NODE747X	NODE239X	GENE1300X	0.9466552734375
NODE748X	GENE855X	GENE854X	0.946533203125
NODE749X	GENE1337X	GENE1336X	0.946533203125
NODE750X	NODE65X	GENE2073X	0.946533203125
NODE751X	GENE2655X	GENE2654X	0.946533203125
NODE752X	NODE671X	NODE458X	0.946533203125
NODE753X	GENE2010X	GENE2009X	0.9464111328125
NODE754X	GENE2507X	GENE2506X	0.9462890625
NODE755X	GENE2140X	NODE286X	0.9461669921875
NODE756X	GENE2247X	GENE2246X	0.9461669921875
NODE757X	GENE1530X	GENE1529X	0.94610595703125
NODE758X	GENE571X	GENE570X	0.94598388671875
NODE759X	NODE401X	NODE376X	0.94598388671875
NODE760X	NODE397X	GENE559X	0.9459228515625
NODE761X	GENE911X	GENE910X	0.9459228515625
NODE762X	GENE1608X	GENE1607X	0.9459228515625
NODE763X	GENE1656X	GENE1655X	0.94573974609375
NODE764X	NODE464X	NODE514X	0.94573974609375
NODE765X	GENE1172X	GENE1171X	0.9456787109375
NODE766X	GENE2258X	GENE2257X	0.9456787109375
NODE767X	NODE478X	GENE2128X	0.94561767578125
NODE768X	GENE2571X	GENE2570X	0.94549560546875
NODE769X	NODE638X	NODE650X	0.94537353515625
NODE770X	GENE1737X	NODE534X	0.94525146484375
NODE771X	NODE462X	NODE259X	0.9451904296875
NODE772X	GENE1650X	NODE202X	0.94512939453125
NODE773X	GENE721X	GENE720X	0.945068359375
NODE774X	NODE416X	GENE221X	0.94500732421875
NODE775X	NODE388X	GENE868X	0.94500732421875
NODE776X	NODE555X	NODE459X	0.94500732421875
NODE777X	NODE608X	NODE595X	0.9449462890625
NODE778X	GENE925X	GENE924X	0.94476318359375
NODE779X	GENE36X	NODE532X	0.94464111328125
NODE780X	GENE2640X	GENE2639X	0.94464111328125
NODE781X	GENE2625X	GENE2624X	0.944580078125
NODE782X	GENE2231X	NODE690X	0.944580078125
NODE783X	GENE1733X	GENE1732X	0.94451904296875
NODE784X	GENE2378X	NODE453X	0.94451904296875
NODE785X	GENE851X	GENE623X	0.9444580078125
NODE786X	GENE2586X	GENE2585X	0.9444580078125
NODE787X	NODE468X	NODE733X	0.9444580078125
NODE788X	GENE2081X	GENE2080X	0.94439697265625
NODE789X	GENE260X	NODE471X	0.9443359375
NODE790X	NODE645X	GENE1609X	0.9443359375
NODE791X	GENE421X	GENE420X	0.94427490234375
NODE792X	NODE349X	NODE558X	0.94415283203125
NODE793X	NODE343X	GENE17X	0.944091796875
NODE794X	GENE869X	GENE867X	0.94403076171875
NODE795X	GENE2384X	GENE2383X	0.94403076171875
NODE796X	GENE2515X	NODE252X	0.94403076171875
NODE797X	NODE369X	GENE1613X	0.9439697265625
NODE798X	GENE256X	GENE255X	0.94390869140625

NODE799X	NODE409X	GENE340X	0.94390869140625
NODE800X	GENE1002X	GENE1001X	0.94390869140625
NODE801X	GENE1756X	GENE1755X	0.94384765625
NODE802X	GENE1654X	GENE1653X	0.9437255859375
NODE803X	NODE273X	NODE333X	0.94366455078125
NODE804X	GENE576X	GENE575X	0.943603515625
NODE805X	GENE2569X	GENE2568X	0.9434814453125
NODE806X	GENE434X	GENE433X	0.943359375
NODE807X	NODE649X	NODE331X	0.943359375
NODE808X	NODE545X	GENE2474X	0.94329833984375
NODE809X	NODE419X	NODE482X	0.94329833984375
NODE810X	GENE602X	NODE651X	0.94317626953125
NODE811X	GENE590X	NODE403X	0.94305419921875
NODE812X	GENE628X	GENE627X	0.94305419921875
NODE813X	GENE1380X	GENE1379X	0.94305419921875
NODE814X	GENE2511X	GENE2510X	0.94305419921875
NODE815X	GENE2645X	NODE528X	0.94293212890625
NODE816X	NODE686X	GENE2636X	0.94293212890625
NODE817X	GENE544X	GENE543X	0.9427490234375
NODE818X	GENE2102X	NODE481X	0.9427490234375
NODE819X	NODE525X	NODE321X	0.9427490234375
NODE820X	GENE1633X	GENE1632X	0.94268798828125
NODE821X	GENE2277X	NODE306X	0.94268798828125
NODE822X	NODE497X	GENE2484X	0.94268798828125
NODE823X	GENE1638X	GENE1637X	0.942626953125
NODE824X	GENE619X	NODE624X	0.94256591796875
NODE825X	GENE1668X	GENE1667X	0.9425048828125
NODE826X	GENE2659X	NODE345X	0.9425048828125
NODE827X	NODE679X	GENE2601X	0.9423828125
NODE828X	NODE294X	GENE279X	0.942138671875
NODE829X	GENE2386X	GENE2385X	0.942138671875
NODE830X	GENE2481X	GENE1674X	0.9420166015625
NODE831X	GENE1955X	GENE1954X	0.9420166015625
NODE832X	GENE853X	GENE852X	0.94195556640625
NODE833X	NODE208X	NODE474X	0.94183349609375
NODE834X	GENE1969X	GENE1968X	0.9417724609375
NODE835X	NODE582X	GENE2537X	0.94171142578125
NODE836X	NODE429X	NODE623X	0.94134521484375
NODE837X	GENE2536X	GENE2535X	0.9412841796875
NODE838X	NODE310X	NODE537X	0.94122314453125
NODE839X	NODE687X	NODE526X	0.94122314453125
NODE840X	GENE389X	GENE388X	0.941162109375
NODE841X	GENE962X	GENE961X	0.9410400390625
NODE842X	GENE2382X	GENE2381X	0.9410400390625
NODE843X	GENE2344X	NODE391X	0.94097900390625
NODE844X	GENE465X	GENE464X	0.94091796875
NODE845X	GENE2480X	NODE122X	0.94091796875
NODE846X	GENE357X	NODE634X	0.94085693359375
NODE847X	GENE2544X	GENE2542X	0.94085693359375
NODE848X	NODE315X	GENE2325X	0.9407958984375
NODE849X	NODE524X	GENE2574X	0.9407958984375
NODE850X	GENE1335X	GENE1334X	0.940673828125
NODE851X	GENE929X	GENE344X	0.94061279296875
NODE852X	NODE546X	NODE602X	0.94061279296875
NODE853X	GENE1342X	GENE1341X	0.94049072265625
NODE854X	NODE648X	NODE541X	0.9404296875
NODE855X	GENE2361X	NODE452X	0.9403076171875

NODE856X	NODE637X	GENE2414X	0.940185546875
NODE857X	GENE2410X	GENE2409X	0.9400634765625
NODE858X	GENE458X	NODE586X	0.94000244140625
NODE859X	GENE704X	GENE703X	0.93988037109375
NODE860X	GENE969X	NODE466X	0.93988037109375
NODE861X	NODE561X	NODE527X	0.93988037109375
NODE862X	NODE180X	GENE367X	0.93975830078125
NODE863X	GENE660X	GENE659X	0.93963623046875
NODE864X	GENE2600X	GENE2599X	0.9395751953125
NODE865X	GENE1186X	GENE1185X	0.93951416015625
NODE866X	NODE717X	NODE451X	0.93951416015625
NODE867X	GENE309X	NODE604X	0.93939208984375
NODE868X	GENE2212X	GENE2211X	0.9393310546875
NODE869X	GENE2270X	GENE1998X	0.93927001953125
NODE870X	GENE364X	NODE607X	0.93927001953125
NODE871X	NODE297X	NODE479X	0.939208984375
NODE872X	NODE705X	NODE583X	0.939208984375
NODE873X	GENE1126X	GENE1125X	0.93914794921875
NODE874X	GENE1364X	GENE1363X	0.93914794921875
NODE875X	GENE921X	GENE920X	0.93902587890625
NODE876X	NODE445X	NODE564X	0.93902587890625
NODE877X	GENE986X	GENE985X	0.93896484375
NODE878X	GENE1690X	GENE1689X	0.93896484375
NODE879X	GENE313X	GENE312X	0.93890380859375
NODE880X	NODE594X	NODE793X	0.93890380859375
NODE881X	NODE644X	NODE344X	0.93878173828125
NODE882X	GENE1024X	NODE293X	0.938720703125
NODE883X	NODE476X	NODE276X	0.938720703125
NODE884X	GENE1750X	GENE1749X	0.93853759765625
NODE885X	NODE296X	GENE2105X	0.93853759765625
NODE886X	GENE2356X	NODE575X	0.93853759765625
NODE887X	NODE229X	GENE2335X	0.93841552734375
NODE888X	GENE177X	GENE176X	0.9383544921875
NODE889X	NODE486X	NODE742X	0.9383544921875
NODE890X	GENE2223X	GENE2222X	0.93829345703125
NODE891X	GENE28X	GENE27X	0.9381103515625
NODE892X	GENE1605X	GENE1604X	0.93798828125
NODE893X	NODE549X	NODE499X	0.9378662109375
NODE894X	NODE300X	NODE584X	0.9378662109375
NODE895X	GENE625X	GENE624X	0.93768310546875
NODE896X	GENE425X	GENE424X	0.9376220703125
NODE897X	GENE2238X	GENE2237X	0.9376220703125
NODE898X	NODE433X	NODE491X	0.9376220703125
NODE899X	NODE335X	GENE2516X	0.93756103515625
NODE900X	NODE628X	NODE655X	0.93756103515625
NODE901X	NODE48X	GENE2548X	0.9375
NODE902X	NODE675X	NODE590X	0.9375
NODE903X	GENE601X	GENE600X	0.93743896484375
NODE904X	NODE883X	GENE1662X	0.93743896484375
NODE905X	GENE38X	GENE37X	0.93731689453125
NODE906X	GENE668X	GENE667X	0.93731689453125
NODE907X	GENE1081X	GENE1080X	0.93731689453125
NODE908X	GENE502X	GENE501X	0.93719482421875
NODE909X	GENE2062X	GENE2061X	0.93719482421875
NODE910X	NODE786X	GENE2584X	0.9371337890625
NODE911X	GENE1264X	GENE1263X	0.93707275390625
NODE912X	NODE615X	GENE892X	0.93695068359375



NODE913X	GENE912X	GENE886X	0.9368896484375
NODE914X	NODE387X	NODE576X	0.9368896484375
NODE915X	GENE289X	GENE288X	0.93682861328125
NODE916X	GENE538X	GENE537X	0.93670654296875
NODE917X	GENE2104X	GENE2103X	0.9366455078125
NODE918X	NODE87X	GENE1537X	0.9366455078125
NODE919X	NODE469X	NODE617X	0.93658447265625
NODE920X	GENE6X	GENE5X	0.9365234375
NODE921X	GENE500X	GENE499X	0.9365234375
NODE922X	GENE621X	GENE620X	0.93646240234375
NODE923X	GENE992X	GENE991X	0.9364013671875
NODE924X	NODE186X	GENE1543X	0.936279296875
NODE925X	NODE498X	NODE764X	0.936279296875
NODE926X	NODE627X	NODE380X	0.93585205078125
NODE927X	GENE1731X	GENE1730X	0.93572998046875
NODE928X	NODE748X	NODE533X	0.93572998046875
NODE929X	NODE597X	NODE776X	0.93572998046875
NODE930X	NODE819X	NODE588X	0.9356689453125
NODE931X	GENE2199X	GENE2198X	0.93560791015625
NODE932X	NODE578X	NODE504X	0.9354248046875
NODE933X	GENE707X	GENE706X	0.93536376953125
NODE934X	GENE2255X	GENE2254X	0.935302734375
NODE935X	GENE954X	GENE953X	0.93524169921875
NODE936X	NODE766X	GENE2256X	0.93499755859375
NODE937X	NODE423X	NODE577X	0.93487548828125
NODE938X	NODE520X	NODE609X	0.93487548828125
NODE939X	GENE419X	NODE230X	0.934814453125
NODE940X	GENE866X	GENE865X	0.934814453125
NODE941X	GENE906X	GENE905X	0.93475341796875
NODE942X	GENE2573X	GENE2572X	0.93475341796875
NODE943X	NODE510X	NODE436X	0.9346923828125
NODE944X	NODE685X	NODE632X	0.9346923828125
NODE945X	GENE1317X	GENE1316X	0.93450927734375
NODE946X	NODE569X	NODE568X	0.93438720703125
NODE947X	NODE598X	GENE228X	0.9342041015625
NODE948X	GENE1727X	GENE1726X	0.9342041015625
NODE949X	GENE1053X	GENE1052X	0.93408203125
NODE950X	NODE522X	GENE2288X	0.933837890625
NODE951X	GENE918X	GENE917X	0.9337158203125
NODE952X	NODE682X	NODE839X	0.9337158203125
NODE953X	NODE620X	GENE2318X	0.93353271484375
NODE954X	NODE480X	NODE385X	0.9334716796875
NODE955X	GENE1917X	NODE670X	0.933349609375
NODE956X	GENE2509X	GENE2508X	0.9332275390625
NODE957X	NODE704X	NODE571X	0.9332275390625
NODE958X	GENE494X	GENE493X	0.93310546875
NODE959X	NODE618X	GENE507X	0.93310546875
NODE960X	NODE426X	NODE463X	0.93304443359375
NODE961X	NODE381X	GENE2594X	0.932861328125
NODE962X	NODE758X	GENE569X	0.932861328125
NODE963X	GENE2233X	GENE2232X	0.93280029296875
NODE964X	NODE613X	NODE775X	0.93280029296875
NODE965X	NODE680X	NODE665X	0.9327392578125
NODE966X	NODE641X	NODE461X	0.9324951171875
NODE967X	GENE982X	GENE981X	0.93243408203125
NODE968X	GENE2017X	GENE2016X	0.93243408203125
NODE969X	GENE2038X	GENE2037X	0.93243408203125

NODE970X	NODE789X	NODE693X	0.93243408203125
NODE971X	NODE492X	NODE755X	0.932373046875
NODE972X	NODE681X	NODE797X	0.93218994140625
NODE973X	NODE631X	GENE1971X	0.93206787109375
NODE974X	NODE277X	NODE694X	0.93206787109375
NODE975X	NODE475X	NODE784X	0.93206787109375
NODE976X	GENE2433X	GENE2432X	0.9320068359375
NODE977X	GENE2662X	GENE2661X	0.9320068359375
NODE978X	GENE658X	NODE596X	0.9317626953125
NODE979X	NODE855X	NODE440X	0.9317626953125
NODE980X	GENE523X	NODE443X	0.9315185546875
NODE981X	GENE984X	GENE983X	0.93145751953125
NODE982X	NODE838X	NODE622X	0.93145751953125
NODE983X	NODE507X	NODE664X	0.93115234375
NODE984X	GENE641X	GENE640X	0.9310302734375
NODE985X	GENE2243X	GENE2241X	0.93096923828125
NODE986X	NODE767X	NODE696X	0.93084716796875
NODE987X	GENE2419X	GENE2224X	0.93072509765625
NODE988X	NODE678X	NODE728X	0.93072509765625
NODE989X	GENE513X	GENE512X	0.9306640625
NODE990X	NODE185X	NODE521X	0.9306640625
NODE991X	NODE567X	NODE703X	0.9306640625
NODE992X	NODE552X	NODE600X	0.93048095703125
NODE993X	NODE489X	NODE822X	0.93035888671875
NODE994X	GENE1128X	GENE1127X	0.93023681640625
NODE995X	NODE739X	GENE2587X	0.9300537109375
NODE996X	NODE654X	NODE591X	0.929931640625
NODE997X	GENE1164X	GENE1163X	0.92987060546875
NODE998X	GENE1710X	NODE26X	0.9296875
NODE999X	NODE190X	GENE2621X	0.92962646484375
NODE1000X	NODE663X	GENE1577X	0.92962646484375
NODE1001X	NODE477X	GENE488X	0.92950439453125
NODE1002X	GENE2512X	NODE814X	0.92950439453125
NODE1003X	NODE572X	NODE860X	0.9293212890625
NODE1004X	GENE385X	GENE384X	0.92926025390625
NODE1005X	GENE2026X	GENE2025X	0.92919921875
NODE1006X	GENE1583X	GENE1571X	0.928955078125
NODE1007X	NODE363X	GENE2099X	0.928955078125
NODE1008X	GENE1714X	GENE1713X	0.92877197265625
NODE1009X	NODE563X	NODE899X	0.92877197265625
NODE1010X	GENE468X	NODE543X	0.9287109375
NODE1011X	GENE731X	NODE707X	0.9287109375
NODE1012X	GENE2431X	GENE2428X	0.92852783203125
NODE1013X	GENE1139X	GENE1138X	0.92803955078125
NODE1014X	GENE1510X	GENE1509X	0.927978515625
NODE1015X	GENE1960X	GENE1959X	0.927978515625
NODE1016X	GENE891X	NODE548X	0.92779541015625
NODE1017X	GENE2089X	GENE2088X	0.9276123046875
NODE1018X	GENE971X	GENE970X	0.92755126953125
NODE1019X	GENE2266X	GENE2265X	0.927490234375
NODE1020X	GENE1582X	GENE1519X	0.9273681640625
NODE1021X	NODE890X	GENE2221X	0.9273681640625
NODE1022X	NODE714X	NODE593X	0.9273681640625
NODE1023X	GENE449X	GENE448X	0.92718505859375
NODE1024X	GENE1586X	GENE1585X	0.92718505859375
NODE1025X	GENE1357X	GENE1356X	0.92694091796875
NODE1026X	NODE837X	GENE2534X	0.9268798828125

NODE1027X	GENE2581X	GENE2580X	0.9267578125
NODE1028X	NODE667X	GENE346X	0.92657470703125
NODE1029X	GENE1195X	GENE1194X	0.926513671875
NODE1030X	GENE1173X	NODE765X	0.926513671875
NODE1031X	NODE982X	NODE629X	0.9263916015625
NODE1032X	GENE1980X	GENE1979X	0.92633056640625
NODE1033X	GENE2306X	NODE759X	0.92626953125
NODE1034X	NODE506X	NODE614X	0.9261474609375
NODE1035X	GENE666X	GENE644X	0.92608642578125
NODE1036X	GENE1931X	GENE1930X	0.92608642578125
NODE1037X	GENE1722X	GENE1721X	0.926025390625
NODE1038X	GENE1168X	GENE1167X	0.9259033203125
NODE1039X	NODE795X	NODE842X	0.9256591796875
NODE1040X	GENE2635X	GENE2634X	0.92559814453125
NODE1041X	GENE1847X	GENE1846X	0.9254150390625
NODE1042X	NODE730X	NODE727X	0.9254150390625
NODE1043X	GENE524X	NODE862X	0.92529296875
NODE1044X	GENE1351X	GENE1350X	0.92510986328125
NODE1045X	GENE1651X	NODE772X	0.9249267578125
NODE1046X	NODE917X	NODE818X	0.9249267578125
NODE1047X	NODE483X	NODE247X	0.92486572265625
NODE1048X	NODE871X	NODE612X	0.92486572265625
NODE1049X	NODE798X	NODE585X	0.92486572265625
NODE1050X	GENE578X	GENE577X	0.92462158203125
NODE1051X	NODE669X	GENE368X	0.9244384765625
NODE1052X	NODE454X	NODE843X	0.92437744140625
NODE1053X	GENE470X	GENE469X	0.92431640625
NODE1054X	NODE792X	NODE662X	0.92431640625
NODE1055X	NODE752X	NODE505X	0.92425537109375
NODE1056X	GENE661X	NODE863X	0.9241943359375
NODE1057X	NODE810X	NODE903X	0.92413330078125
NODE1058X	GENE1896X	GENE1895X	0.924072265625
NODE1059X	GENE1360X	GENE1359X	0.92401123046875
NODE1060X	GENE1041X	NODE708X	0.92401123046875
NODE1061X	GENE2656X	NODE446X	0.9239501953125
NODE1062X	GENE2400X	GENE2399X	0.9237060546875
NODE1063X	GENE1198X	GENE1197X	0.923583984375
NODE1064X	GENE1587X	GENE1584X	0.923583984375
NODE1065X	NODE809X	GENE2022X	0.923583984375
NODE1066X	NODE673X	GENE2227X	0.92352294921875
NODE1067X	GENE715X	GENE714X	0.9234619140625
NODE1068X	GENE379X	NODE457X	0.92340087890625
NODE1069X	GENE672X	GENE671X	0.92340087890625
NODE1070X	NODE1033X	NODE573X	0.92340087890625
NODE1071X	NODE732X	GENE1919X	0.92327880859375
NODE1072X	NODE519X	NODE718X	0.9232177734375
NODE1073X	GENE2343X	GENE2260X	0.92315673828125
NODE1074X	NODE824X	NODE496X	0.9229736328125
NODE1075X	NODE657X	NODE517X	0.9229736328125
NODE1076X	GENE398X	GENE397X	0.9227294921875
NODE1077X	GENE710X	GENE709X	0.92266845703125
NODE1078X	NODE737X	GENE2046X	0.922607421875
NODE1079X	GENE2145X	NODE611X	0.922607421875
NODE1080X	GENE8X	GENE7X	0.92254638671875
NODE1081X	NODE212X	GENE393X	0.92254638671875
NODE1082X	GENE2268X	GENE2003X	0.92254638671875
NODE1083X	NODE769X	NODE743X	0.92242431640625

NODE1084X	NODE882X	NODE516X	0.92236328125
NODE1085X	GENE690X	GENE462X	0.922119140625
NODE1086X	NODE957X	NODE925X	0.92205810546875
NODE1087X	GENE1291X	GENE1290X	0.9219970703125
NODE1088X	GENE1629X	GENE1628X	0.92193603515625
NODE1089X	GENE2042X	GENE2041X	0.92181396484375
NODE1090X	NODE643X	GENE1622X	0.92169189453125
NODE1091X	GENE1134X	GENE1133X	0.92156982421875
NODE1092X	NODE599X	NODE606X	0.92138671875
NODE1093X	NODE417X	NODE92X	0.92132568359375
NODE1094X	GENE692X	GENE691X	0.9212646484375
NODE1095X	GENE2201X	GENE2200X	0.9212646484375
NODE1096X	NODE888X	NODE326X	0.9212646484375
NODE1097X	NODE697X	GENE2063X	0.921142578125
NODE1098X	NODE547X	NODE801X	0.921142578125
NODE1099X	NODE854X	NODE930X	0.9208984375
NODE1100X	NODE782X	GENE2164X	0.92071533203125
NODE1101X	NODE659X	GENE2469X	0.92059326171875
NODE1102X	NODE432X	NODE616X	0.9205322265625
NODE1103X	GENE723X	GENE722X	0.92047119140625
NODE1104X	NODE980X	NODE1043X	0.92047119140625
NODE1105X	GENE2204X	GENE2203X	0.92034912109375
NODE1106X	GENE2079X	GENE2078X	0.92022705078125
NODE1107X	GENE1892X	GENE1891X	0.920166015625
NODE1108X	NODE754X	NODE605X	0.920166015625
NODE1109X	GENE1589X	NODE509X	0.92010498046875
NODE1110X	GENE1978X	GENE1977X	0.92010498046875
NODE1111X	GENE645X	GENE643X	0.91998291015625
NODE1112X	GENE1718X	GENE1717X	0.91998291015625
NODE1113X	GENE1992X	GENE1991X	0.91986083984375
NODE1114X	GENE1706X	GENE1705X	0.9197998046875
NODE1115X	GENE2251X	GENE2249X	0.91973876953125
NODE1116X	NODE909X	GENE2060X	0.919677734375
NODE1117X	NODE646X	NODE592X	0.919677734375
NODE1118X	NODE736X	NODE745X	0.919677734375
NODE1119X	GENE1201X	GENE1200X	0.91961669921875
NODE1120X	GENE536X	NODE553X	0.919189453125
NODE1121X	GENE1642X	GENE1641X	0.919189453125
NODE1122X	NODE589X	NODE869X	0.918701171875
NODE1123X	GENE2531X	NODE580X	0.91864013671875
NODE1124X	NODE760X	NODE779X	0.91864013671875
NODE1125X	GENE2230X	GENE2012X	0.91851806640625
NODE1126X	NODE625X	NODE656X	0.91839599609375
NODE1127X	GENE647X	GENE646X	0.9180908203125
NODE1128X	NODE484X	NODE706X	0.9180908203125
NODE1129X	GENE422X	NODE791X	0.91796875
NODE1130X	GENE622X	GENE547X	0.91796875
NODE1131X	GENE1933X	GENE1932X	0.91790771484375
NODE1132X	GENE696X	GENE695X	0.9178466796875
NODE1133X	GENE915X	GENE914X	0.9178466796875
NODE1134X	GENE636X	GENE635X	0.91778564453125
NODE1135X	GENE1084X	GENE1083X	0.91748046875
NODE1136X	GENE2090X	NODE1017X	0.91741943359375
NODE1137X	NODE974X	NODE712X	0.91741943359375
NODE1138X	GENE1999X	GENE1997X	0.9173583984375
NODE1139X	GENE2163X	NODE127X	0.917236328125
NODE1140X	GENE1682X	NODE836X	0.91705322265625

NODE1141X	GENE1412X	GENE1411X	0.9168701171875
NODE1142X	GENE2226X	GENE2225X	0.9168701171875
NODE1143X	NODE723X	GENE440X	0.91668701171875
NODE1144X	GENE937X	GENE936X	0.9166259765625
NODE1145X	NODE666X	NODE979X	0.91650390625
NODE1146X	GENE1802X	GENE1801X	0.91644287109375
NODE1147X	GENE2653X	NODE579X	0.91644287109375
NODE1148X	NODE870X	NODE574X	0.916259765625
NODE1149X	GENE1029X	NODE371X	0.91619873046875
NODE1150X	GENE2267X	NODE1019X	0.91619873046875
NODE1151X	GENE2417X	NODE856X	0.91607666015625
NODE1152X	GENE1160X	NODE777X	0.916015625
NODE1153X	GENE1866X	GENE1865X	0.91583251953125
NODE1154X	NODE913X	GENE608X	0.915771484375
NODE1155X	GENE2566X	GENE2565X	0.915771484375
NODE1156X	GENE1635X	GENE1634X	0.91571044921875
NODE1157X	GENE1549X	GENE1548X	0.9156494140625
NODE1158X	GENE2620X	GENE2619X	0.91558837890625
NODE1159X	GENE1639X	GENE1521X	0.91546630859375
NODE1160X	GENE1970X	GENE1920X	0.91546630859375
NODE1161X	GENE1669X	NODE825X	0.9154052734375
NODE1162X	GENE1066X	NODE709X	0.915283203125
NODE1163X	GENE2649X	GENE2648X	0.91522216796875
NODE1164X	GENE922X	NODE875X	0.9151611328125
NODE1165X	GENE2206X	GENE2205X	0.9151611328125
NODE1166X	GENE10X	GENE9X	0.91510009765625
NODE1167X	GENE29X	NODE891X	0.9150390625
NODE1168X	GENE2262X	GENE2261X	0.9150390625
NODE1169X	GENE799X	NODE472X	0.9150390625
NODE1170X	GENE1575X	NODE554X	0.91485595703125
NODE1171X	NODE677X	NODE647X	0.91485595703125
NODE1172X	GENE1542X	GENE1541X	0.9146728515625
NODE1173X	NODE846X	NODE587X	0.91461181640625
NODE1174X	NODE774X	NODE734X	0.91461181640625
NODE1175X	GENE1010X	GENE1009X	0.9144287109375
NODE1176X	NODE929X	NODE771X	0.91436767578125
NODE1177X	NODE802X	GENE1652X	0.914306640625
NODE1178X	GENE871X	GENE870X	0.91424560546875
NODE1179X	NODE674X	NODE635X	0.91412353515625
NODE1180X	GENE2392X	NODE716X	0.91387939453125
NODE1181X	NODE938X	NODE1176X	0.913818359375
NODE1182X	NODE467X	NODE830X	0.9136962890625
NODE1183X	NODE692X	NODE531X	0.91357421875
NODE1184X	NODE912X	NODE630X	0.91357421875
NODE1185X	NODE835X	GENE2466X	0.91351318359375
NODE1186X	GENE1817X	GENE1816X	0.9134521484375
NODE1187X	NODE1047X	GENE473X	0.9132080078125
NODE1188X	NODE805X	GENE2561X	0.9130859375
NODE1189X	NODE557X	GENE314X	0.91302490234375
NODE1190X	GENE486X	GENE479X	0.91302490234375
NODE1191X	NODE893X	NODE1086X	0.91302490234375
NODE1192X	GENE1097X	GENE1096X	0.9129638671875
NODE1193X	NODE761X	NODE688X	0.91290283203125
NODE1194X	GENE686X	GENE685X	0.912841796875
NODE1195X	NODE117X	GENE1699X	0.912841796875
NODE1196X	GENE1069X	GENE1068X	0.9127197265625
NODE1197X	GENE2371X	GENE1918X	0.9127197265625

NODE1198X	GENE2604X	NODE827X	0.91259765625
NODE1199X	GENE1142X	GENE1141X	0.91253662109375
NODE1200X	GENE2660X	NODE826X	0.9122314453125
NODE1201X	GENE1516X	GENE1515X	0.91217041015625
NODE1202X	GENE1178X	GENE1177X	0.91204833984375
NODE1203X	GENE1982X	GENE1944X	0.91204833984375
NODE1204X	GENE1233X	NODE490X	0.91192626953125
NODE1205X	NODE858X	NODE1054X	0.91180419921875
NODE1206X	NODE1007X	GENE2098X	0.9117431640625
NODE1207X	NODE1028X	NODE944X	0.91162109375
NODE1208X	GENE446X	NODE562X	0.91156005859375
NODE1209X	NODE841X	NODE964X	0.9114990234375
NODE1210X	GENE2084X	GENE2083X	0.91143798828125
NODE1211X	NODE966X	NODE729X	0.911376953125
NODE1212X	NODE715X	NODE1055X	0.91131591796875
NODE1213X	GENE990X	GENE989X	0.9112548828125
NODE1214X	GENE626X	NODE895X	0.9110107421875
NODE1215X	GENE701X	GENE689X	0.91094970703125
NODE1216X	NODE735X	GENE2074X	0.91094970703125
NODE1217X	GENE382X	NODE642X	0.910888671875
NODE1218X	NODE988X	NODE916X	0.9107666015625
NODE1219X	NODE840X	GENE387X	0.9105224609375
NODE1220X	GENE2094X	GENE2093X	0.91046142578125
NODE1221X	NODE713X	NODE1037X	0.91046142578125
NODE1222X	NODE1083X	NODE952X	0.91046142578125
NODE1223X	GENE1967X	GENE1966X	0.910400390625
NODE1224X	GENE670X	GENE669X	0.91033935546875
NODE1225X	GENE39X	NODE932X	0.9102783203125
NODE1226X	GENE980X	NODE422X	0.9102783203125
NODE1227X	GENE2282X	GENE2281X	0.91015625
NODE1228X	NODE848X	GENE2324X	0.9100341796875
NODE1229X	NODE806X	NODE689X	0.909912109375
NODE1230X	NODE796X	NODE699X	0.909912109375
NODE1231X	NODE778X	GENE923X	0.90985107421875
NODE1232X	NODE710X	GENE2213X	0.90985107421875
NODE1233X	GENE392X	GENE391X	0.90972900390625
NODE1234X	NODE747X	GENE1299X	0.90972900390625
NODE1235X	NODE1042X	NODE1034X	0.90972900390625
NODE1236X	GENE545X	NODE817X	0.90960693359375
NODE1237X	NODE741X	GENE631X	0.90948486328125
NODE1238X	GENE2014X	GENE2013X	0.90948486328125
NODE1239X	GENE2401X	GENE1945X	0.909423828125
NODE1240X	GENE2192X	GENE2191X	0.9093017578125
NODE1241X	GENE2240X	NODE897X	0.9093017578125
NODE1242X	NODE636X	NODE740X	0.90924072265625
NODE1243X	GENE2628X	GENE2627X	0.90911865234375
NODE1244X	NODE1038X	GENE1166X	0.9090576171875
NODE1245X	NODE879X	GENE311X	0.90899658203125
NODE1246X	GENE1268X	GENE1267X	0.9088134765625
NODE1247X	GENE386X	NODE1004X	0.90869140625
NODE1248X	GENE1711X	NODE998X	0.90869140625
NODE1249X	NODE603X	NODE943X	0.9083251953125
NODE1250X	GENE2242X	GENE1912X	0.908203125
NODE1251X	GENE988X	GENE573X	0.9080810546875
NODE1252X	GENE2543X	GENE1673X	0.9080810546875
NODE1253X	NODE756X	GENE2245X	0.9080810546875
NODE1254X	NODE658X	GENE481X	0.90802001953125

NODE1255X	GENE566X	GENE565X	0.9078369140625
NODE1256X	NODE803X	NODE1022X	0.90777587890625
NODE1257X	GENE2407X	GENE2406X	0.90765380859375
NODE1258X	NODE721X	GENE1899X	0.9075927734375
NODE1259X	GENE1054X	NODE949X	0.9073486328125
NODE1260X	NODE919X	NODE900X	0.90728759765625
NODE1261X	GENE1272X	GENE1271X	0.9072265625
NODE1262X	NODE898X	NODE790X	0.9072265625
NODE1263X	GENE1340X	GENE1339X	0.90716552734375
NODE1264X	GENE1165X	NODE997X	0.9071044921875
NODE1265X	NODE960X	NODE540X	0.90704345703125
NODE1266X	GENE2190X	GENE2189X	0.906982421875
NODE1267X	GENE1631X	GENE1630X	0.90692138671875
NODE1268X	GENE2072X	GENE2071X	0.9068603515625
NODE1269X	NODE1068X	GENE345X	0.9068603515625
NODE1270X	NODE1098X	NODE954X	0.9068603515625
NODE1271X	GENE1353X	GENE1352X	0.90679931640625
NODE1272X	GENE1685X	GENE1684X	0.90667724609375
NODE1273X	GENE1059X	GENE339X	0.906494140625
NODE1274X	NODE639X	GENE2612X	0.906494140625
NODE1275X	GENE2617X	GENE2616X	0.906494140625
NODE1276X	NODE701X	NODE787X	0.90643310546875
NODE1277X	GENE2579X	GENE2578X	0.9063720703125
NODE1278X	NODE515X	NODE1123X	0.9063720703125
NODE1279X	GENE1845X	GENE1844X	0.90631103515625
NODE1280X	GENE579X	NODE1050X	0.90631103515625
NODE1281X	NODE975X	NODE746X	0.90625
NODE1282X	NODE866X	NODE1072X	0.90625
NODE1283X	NODE785X	NODE828X	0.90606689453125
NODE1284X	GENE1100X	GENE1099X	0.906005859375
NODE1285X	GENE1748X	NODE535X	0.90557861328125
NODE1286X	GENE1132X	GENE1131X	0.90545654296875
NODE1287X	NODE881X	NODE700X	0.9053955078125
NODE1288X	NODE1084X	NODE633X	0.90533447265625
NODE1289X	NODE1075X	NODE821X	0.90521240234375
NODE1290X	GENE1620X	GENE1619X	0.90496826171875
NODE1291X	GENE913X	GENE688X	0.9049072265625
NODE1292X	GENE1743X	NODE676X	0.9046630859375
NODE1293X	NODE1200X	NODE751X	0.9046630859375
NODE1294X	GENE1117X	GENE1116X	0.904541015625
NODE1295X	GENE2236X	GENE2235X	0.90447998046875
NODE1296X	GENE2220X	GENE1911X	0.904296875
NODE1297X	GENE2666X	GENE2665X	0.90411376953125
NODE1298X	GENE1003X	NODE800X	0.904052734375
NODE1299X	NODE738X	GENE2067X	0.904052734375
NODE1300X	GENE2177X	GENE2176X	0.904052734375
NODE1301X	NODE872X	NODE1099X	0.90374755859375
NODE1302X	GENE712X	GENE711X	0.9036865234375
NODE1303X	GENE1482X	GENE1481X	0.90325927734375
NODE1304X	GENE1513X	GENE1512X	0.90325927734375
NODE1305X	NODE993X	NODE845X	0.90325927734375
NODE1306X	NODE720X	GENE1174X	0.9029541015625
NODE1307X	NODE719X	NODE744X	0.90289306640625
NODE1308X	GENE2314X	GENE2313X	0.90277099609375
NODE1309X	GENE2418X	NODE987X	0.90277099609375
NODE1310X	GENE574X	GENE423X	0.90264892578125
NODE1311X	NODE815X	GENE2641X	0.902587890625

NODE1312X	NODE1143X	NODE683X	0.90252685546875
NODE1313X	NODE750X	GENE1884X	0.90240478515625
NODE1314X	GENE1958X	GENE1957X	0.90240478515625
NODE1315X	GENE629X	NODE812X	0.90234375
NODE1316X	NODE901X	GENE2547X	0.90234375
NODE1317X	GENE1355X	GENE1354X	0.90228271484375
NODE1318X	NODE885X	GENE2087X	0.90228271484375
NODE1319X	NODE878X	NODE653X	0.90228271484375
NODE1320X	GENE2018X	NODE968X	0.90228271484375
NODE1321X	GENE1734X	NODE783X	0.90216064453125
NODE1322X	GENE1677X	GENE1676X	0.902099609375
NODE1323X	GENE856X	NODE832X	0.9019775390625
NODE1324X	GENE1136X	GENE1135X	0.9017333984375
NODE1325X	NODE953X	NODE946X	0.901611328125
NODE1326X	GENE2234X	NODE963X	0.90155029296875
NODE1327X	NODE876X	GENE2436X	0.9012451171875
NODE1328X	GENE519X	GENE518X	0.90118408203125
NODE1329X	NODE351X	GENE2034X	0.90118408203125
NODE1330X	NODE508X	NODE1011X	0.901123046875
NODE1331X	NODE788X	NODE1106X	0.901123046875
NODE1332X	NODE962X	GENE568X	0.90106201171875
NODE1333X	GENE1343X	NODE853X	0.90106201171875
NODE1334X	NODE129X	GENE1248X	0.9010009765625
NODE1335X	GENE290X	NODE1049X	0.90087890625
NODE1336X	NODE850X	NODE438X	0.90069580078125
NODE1337X	GENE2340X	NODE887X	0.9005126953125
NODE1338X	GENE1405X	GENE1404X	0.90045166015625
NODE1339X	NODE849X	NODE942X	0.900390625
NODE1340X	NODE1101X	GENE2244X	0.90032958984375
NODE1341X	NODE1181X	NODE889X	0.9002685546875
NODE1342X	NODE661X	GENE2396X	0.90020751953125
NODE1343X	NODE904X	NODE1126X	0.90020751953125
NODE1344X	NODE1249X	NODE1124X	0.90008544921875
NODE1345X	NODE851X	GENE463X	0.9000244140625
NODE1346X	NODE1133X	NODE852X	0.9000244140625
NODE1347X	NODE695X	NODE970X	0.89990234375
NODE1348X	NODE702X	GENE2006X	0.89984130859375
NODE1349X	NODE1078X	GENE2045X	0.89984130859375
NODE1350X	NODE1002X	NODE956X	0.8997802734375
NODE1351X	NODE1138X	GENE1995X	0.89971923828125
NODE1352X	GENE1524X	GENE1523X	0.899658203125
NODE1353X	GENE2430X	NODE711X	0.89947509765625
NODE1354X	NODE955X	GENE1914X	0.8990478515625
NODE1355X	GENE1694X	GENE1693X	0.89886474609375
NODE1356X	GENE1948X	NODE473X	0.8988037109375
NODE1357X	GENE1026X	GENE1025X	0.898681640625
NODE1358X	GENE2291X	NODE950X	0.8985595703125
NODE1359X	GENE1182X	NODE626X	0.8985595703125
NODE1360X	GENE2187X	GENE2186X	0.89837646484375
NODE1361X	GENE1073X	GENE1072X	0.8983154296875
NODE1362X	GENE1071X	GENE1070X	0.89825439453125
NODE1363X	NODE947X	NODE905X	0.89801025390625
NODE1364X	NODE1016X	NODE983X	0.89788818359375
NODE1365X	GENE2468X	NODE926X	0.89764404296875
NODE1366X	NODE395X	NODE770X	0.8975830078125
NODE1367X	NODE833X	NODE619X	0.8975830078125
NODE1368X	NODE488X	GENE1698X	0.8974609375



NODE1369X	NODE807X	NODE961X	0.8973388671875
NODE1370X	NODE1031X	NODE1169X	0.897216796875
NODE1371X	NODE1171X	NODE1092X	0.897216796875
NODE1372X	GENE1943X	GENE1942X	0.8970947265625
NODE1373X	NODE864X	GENE2598X	0.8970947265625
NODE1374X	NODE902X	NODE996X	0.89703369140625
NODE1375X	GENE2051X	GENE2000X	0.89678955078125
NODE1376X	NODE660X	NODE1009X	0.89678955078125
NODE1377X	GENE683X	GENE682X	0.896728515625
NODE1378X	NODE672X	NODE978X	0.8966064453125
NODE1379X	GENE2413X	GENE2412X	0.896484375
NODE1380X	NODE1254X	GENE480X	0.896240234375
NODE1381X	GENE674X	GENE673X	0.89617919921875
NODE1382X	NODE1334X	GENE1247X	0.895751953125
NODE1383X	NODE959X	GENE262X	0.8955078125
NODE1384X	GENE2366X	NODE1287X	0.89532470703125
NODE1385X	GENE693X	NODE1094X	0.895263671875
NODE1386X	NODE927X	GENE1729X	0.89501953125
NODE1387X	NODE973X	NODE834X	0.89501953125
NODE1388X	GENE2312X	GENE2305X	0.89471435546875
NODE1389X	NODE873X	GENE1124X	0.8946533203125
NODE1390X	NODE1059X	GENE1358X	0.8946533203125
NODE1391X	GENE907X	NODE941X	0.89453125
NODE1392X	NODE1223X	GENE1965X	0.8944091796875
NODE1393X	GENE2218X	GENE2217X	0.8944091796875
NODE1394X	NODE1129X	NODE914X	0.8944091796875
NODE1395X	GENE698X	GENE697X	0.89434814453125
NODE1396X	GENE1956X	NODE831X	0.89434814453125
NODE1397X	GENE1274X	GENE2611X	0.89337158203125
NODE1398X	GENE2202X	NODE1095X	0.89324951171875
NODE1399X	GENE734X	GENE733X	0.8931884765625
NODE1400X	NODE1154X	NODE990X	0.8931884765625
NODE1401X	NODE1180X	NODE829X	0.89312744140625
NODE1402X	GENE649X	GENE648X	0.89300537109375
NODE1403X	NODE1128X	NODE1235X	0.89276123046875
NODE1404X	GENE1964X	GENE1953X	0.8927001953125
NODE1405X	NODE725X	NODE1136X	0.892578125
NODE1406X	NODE811X	NODE1255X	0.892578125
NODE1407X	NODE1288X	NODE1137X	0.892578125
NODE1408X	NODE1189X	NODE1245X	0.89251708984375
NODE1409X	GENE517X	GENE516X	0.892333984375
NODE1410X	GENE2553X	NODE570X	0.89227294921875
NODE1411X	NODE1319X	NODE1006X	0.89215087890625
NODE1412X	GENE1119X	GENE1118X	0.89208984375
NODE1413X	NODE1197X	GENE1923X	0.89202880859375
NODE1414X	NODE908X	NODE1242X	0.89202880859375
NODE1415X	NODE1076X	GENE396X	0.8919677734375
NODE1416X	NODE1185X	NODE1048X	0.89190673828125
NODE1417X	NODE1130X	GENE548X	0.89178466796875
NODE1418X	GENE946X	GENE945X	0.89141845703125
NODE1419X	NODE861X	NODE1010X	0.8912353515625
NODE1420X	GENE1144X	GENE726X	0.89117431640625
NODE1421X	NODE1148X	NODE1212X	0.89093017578125
NODE1422X	GENE1470X	GENE1469X	0.890869140625
NODE1423X	NODE763X	GENE1588X	0.89080810546875
NODE1424X	NODE808X	NODE1165X	0.89080810546875
NODE1425X	NODE910X	GENE2583X	0.890625

NODE1426X	GENE1122X	GENE1121X	0.89044189453125
NODE1427X	GENE1184X	GENE1183X	0.890380859375
NODE1428X	NODE1339X	NODE768X	0.89019775390625
NODE1429X	NODE1120X	NODE1152X	0.89013671875
NODE1430X	GENE1016X	GENE1015X	0.89007568359375
NODE1431X	NODE1211X	NODE731X	0.8900146484375
NODE1432X	NODE773X	NODE1111X	0.88995361328125
NODE1433X	GENE2137X	NODE986X	0.8897705078125
NODE1434X	GENE1373X	NODE341X	0.88934326171875
NODE1435X	GENE1140X	GENE487X	0.8892822265625
NODE1436X	GENE1564X	GENE1563X	0.8892822265625
NODE1437X	NODE886X	NODE1289X	0.8892822265625
NODE1438X	GENE1179X	GENE383X	0.88909912109375
NODE1439X	GENE2096X	GENE2095X	0.88909912109375
NODE1440X	NODE1174X	NODE1118X	0.888916015625
NODE1441X	GENE2029X	GENE2028X	0.88885498046875
NODE1442X	GENE1962X	GENE1961X	0.88861083984375
NODE1443X	GENE1703X	GENE1702X	0.8885498046875
NODE1444X	NODE935X	NODE939X	0.88848876953125
NODE1445X	GENE2540X	NODE1026X	0.8883056640625
NODE1446X	GENE1858X	GENE1857X	0.88824462890625
NODE1447X	NODE1384X	NODE937X	0.8880615234375
NODE1448X	GENE1952X	GENE1939X	0.887939453125
NODE1449X	GENE908X	GENE708X	0.88787841796875
NODE1450X	NODE1276X	NODE920X	0.88775634765625
NODE1451X	NODE1320X	GENE2015X	0.88763427734375
NODE1452X	NODE1074X	NODE894X	0.8873291015625
NODE1453X	NODE1285X	GENE1744X	0.88720703125
NODE1454X	NODE781X	NODE999X	0.88720703125
NODE1455X	GENE1725X	GENE1720X	0.88677978515625
NODE1456X	NODE991X	NODE1121X	0.88665771484375
NODE1457X	NODE1190X	GENE477X	0.8863525390625
NODE1458X	NODE867X	NODE1335X	0.88623046875
NODE1459X	GENE1473X	GENE1472X	0.8861083984375
NODE1460X	NODE1193X	NODE1260X	0.8861083984375
NODE1461X	GENE2086X	GENE2085X	0.8858642578125
NODE1462X	GENE1187X	GENE700X	0.885498046875
NODE1463X	NODE1052X	GENE2334X	0.88543701171875
NODE1464X	NODE256X	NODE1008X	0.8853759765625
NODE1465X	GENE1045X	GENE1044X	0.884765625
NODE1466X	GENE2605X	NODE1198X	0.8846435546875
NODE1467X	NODE1066X	NODE1021X	0.8846435546875
NODE1468X	GENE902X	NODE794X	0.884521484375
NODE1469X	GENE1854X	NODE652X	0.88421630859375
NODE1470X	GENE2044X	GENE2043X	0.884033203125
NODE1471X	NODE1346X	NODE1363X	0.884033203125
NODE1472X	GENE1095X	NODE1053X	0.88385009765625
NODE1473X	NODE1167X	NODE880X	0.8836669921875
NODE1474X	NODE1311X	NODE780X	0.88348388671875
NODE1475X	GENE665X	GENE664X	0.88323974609375
NODE1476X	GENE1031X	GENE1030X	0.88323974609375
NODE1477X	GENE1540X	NODE918X	0.88323974609375
NODE1478X	NODE1367X	GENE2311X	0.88323974609375
NODE1479X	GENE1013X	NODE581X	0.883056640625
NODE1480X	NODE726X	NODE1166X	0.883056640625
NODE1481X	GENE1818X	NODE1186X	0.883056640625
NODE1482X	NODE1056X	NODE1378X	0.88287353515625

NODE1483X	NODE820X	NODE1267X	0.8826904296875
NODE1484X	GENE2630X	GENE2629X	0.88250732421875
NODE1485X	GENE1621X	NODE1290X	0.8824462890625
NODE1486X	NODE992X	NODE1228X	0.88201904296875
NODE1487X	NODE1208X	NODE1312X	0.8819580078125
NODE1488X	NODE1256X	NODE1369X	0.88189697265625
NODE1489X	NODE915X	NODE1222X	0.88177490234375
NODE1490X	NODE921X	NODE691X	0.8817138671875
NODE1491X	NODE1241X	NODE1295X	0.88153076171875
NODE1492X	NODE1231X	NODE1323X	0.8809814453125
NODE1493X	NODE1297X	GENE2664X	0.88092041015625
NODE1494X	GENE1856X	GENE1855X	0.88079833984375
NODE1495X	GENE1202X	NODE1119X	0.88067626953125
NODE1496X	NODE1280X	NODE804X	0.88067626953125
NODE1497X	GENE1986X	GENE1985X	0.8804931640625
NODE1498X	GENE1940X	NODE1041X	0.880126953125
NODE1499X	NODE1386X	NODE948X	0.880126953125
NODE1500X	NODE1085X	GENE405X	0.88006591796875
NODE1501X	NODE1079X	NODE971X	0.8800048828125
NODE1502X	NODE1233X	GENE390X	0.87994384765625
NODE1503X	GENE1928X	NODE1093X	0.8797607421875
NODE1504X	GENE885X	NODE1117X	0.8795166015625
NODE1505X	NODE1082X	GENE2002X	0.87945556640625
NODE1506X	NODE1177X	NODE1159X	0.87933349609375
NODE1507X	NODE977X	NODE1293X	0.879150390625
NODE1508X	GENE514X	NODE989X	0.8790283203125
NODE1509X	GENE2435X	GENE2434X	0.87896728515625
NODE1510X	NODE924X	NODE1172X	0.87884521484375
NODE1511X	GENE1812X	GENE1811X	0.87872314453125
NODE1512X	GENE1904X	GENE1903X	0.8785400390625
NODE1513X	NODE1455X	GENE1719X	0.87823486328125
NODE1514X	NODE1113X	GENE1990X	0.878173828125
NODE1515X	GENE2404X	GENE2403X	0.878173828125
NODE1516X	NODE1243X	GENE2626X	0.8780517578125
NODE1517X	GENE1147X	GENE1146X	0.87799072265625
NODE1518X	GENE1259X	GENE1258X	0.87799072265625
NODE1519X	NODE1214X	NODE922X	0.87799072265625
NODE1520X	NODE1355X	GENE1692X	0.87799072265625
NODE1521X	GENE1981X	GENE1976X	0.87786865234375
NODE1522X	NODE1202X	NODE1030X	0.87786865234375
NODE1523X	NODE1432X	NODE1127X	0.87786865234375
NODE1524X	NODE1416X	NODE1179X	0.8775634765625
NODE1525X	GENE987X	NODE1080X	0.87744140625
NODE1526X	NODE749X	NODE1336X	0.87744140625
NODE1527X	NODE816X	NODE1040X	0.87738037109375
NODE1528X	GENE1381X	NODE813X	0.8773193359375
NODE1529X	NODE1003X	NODE1450X	0.87725830078125
NODE1530X	NODE1063X	NODE1217X	0.87701416015625
NODE1531X	NODE940X	NODE1187X	0.87664794921875
NODE1532X	GENE1902X	GENE1898X	0.87640380859375
NODE1533X	NODE1269X	NODE1051X	0.87640380859375
NODE1534X	NODE1301X	NODE1374X	0.8763427734375
NODE1535X	NODE1281X	NODE1102X	0.87628173828125
NODE1536X	GENE705X	NODE859X	0.876220703125
NODE1537X	NODE184X	GENE1763X	0.876220703125
NODE1538X	GENE1851X	GENE1850X	0.87615966796875
NODE1539X	GENE2030X	GENE1913X	0.87603759765625

NODE1540X	GENE511X	NODE1383X	0.87591552734375
NODE1541X	NODE965X	NODE1265X	0.87591552734375
NODE1542X	NODE1467X	NODE1100X	0.8758544921875
NODE1543X	GENE1560X	GENE1559X	0.8753662109375
NODE1544X	GENE1269X	NODE1246X	0.8753662109375
NODE1545X	NODE1061X	NODE1230X	0.8751220703125
NODE1546X	GENE450X	NODE1023X	0.87506103515625
NODE1547X	GENE1222X	GENE1221X	0.87506103515625
NODE1548X	GENE2250X	GENE1640X	0.87506103515625
NODE1549X	NODE1538X	GENE1849X	0.8746337890625
NODE1550X	GENE1042X	NODE1060X	0.87451171875
NODE1551X	NODE722X	NODE1262X	0.87432861328125
NODE1552X	GENE1306X	GENE1305X	0.8741455078125
NODE1553X	GENE725X	GENE460X	0.87408447265625
NODE1554X	GENE1170X	GENE1169X	0.8740234375
NODE1555X	GENE1408X	GENE1407X	0.87396240234375
NODE1556X	GENE1963X	NODE1442X	0.8739013671875
NODE1557X	NODE1013X	GENE1137X	0.87384033203125
NODE1558X	GENE1196X	NODE1029X	0.87384033203125
NODE1559X	GENE2317X	GENE2210X	0.873291015625
NODE1560X	NODE1388X	NODE934X	0.87322998046875
NODE1561X	NODE951X	GENE916X	0.87310791015625
NODE1562X	NODE1139X	NODE1216X	0.8729248046875
NODE1563X	NODE1207X	NODE1421X	0.87274169921875
NODE1564X	GENE2159X	GENE2158X	0.8726806640625
NODE1565X	NODE857X	GENE2408X	0.8726806640625
NODE1566X	NODE1103X	GENE404X	0.87249755859375
NODE1567X	NODE1182X	NODE1252X	0.87249755859375
NODE1568X	GENE1022X	GENE1021X	0.8724365234375
NODE1569X	GENE2425X	GENE2424X	0.87237548828125
NODE1570X	NODE928X	NODE1341X	0.87237548828125
NODE1571X	GENE1785X	GENE1784X	0.87225341796875
NODE1572X	GENE1191X	GENE1190X	0.87213134765625
NODE1573X	NODE1551X	NODE972X	0.87188720703125
NODE1574X	NODE1032X	NODE1110X	0.87158203125
NODE1575X	NODE1149X	NODE1357X	0.8712158203125
NODE1576X	GENE1090X	GENE1089X	0.8707275390625
NODE1577X	GENE1606X	NODE892X	0.8707275390625
NODE1578X	GENE1704X	NODE1443X	0.870361328125
NODE1579X	NODE1058X	GENE1894X	0.8699951171875
NODE1580X	GENE2050X	GENE2049X	0.8699951171875
NODE1581X	NODE1306X	NODE1522X	0.86981201171875
NODE1582X	NODE1454X	NODE1158X	0.8697509765625
NODE1583X	GENE403X	GENE402X	0.86968994140625
NODE1584X	GENE1805X	GENE1804X	0.86956787109375
NODE1585X	NODE698X	NODE1313X	0.86944580078125
NODE1586X	GENE1871X	GENE1870X	0.869384765625
NODE1587X	NODE981X	NODE1178X	0.86932373046875
NODE1588X	NODE1258X	NODE1532X	0.86920166015625
NODE1589X	NODE1350X	NODE1545X	0.86883544921875
NODE1590X	GENE1906X	GENE1905X	0.8680419921875
NODE1591X	NODE1236X	NODE1218X	0.86798095703125
NODE1592X	NODE967X	NODE1226X	0.867919921875
NODE1593X	GENE1438X	GENE1437X	0.86785888671875
NODE1594X	GENE1951X	GENE1950X	0.86737060546875
NODE1595X	GENE676X	GENE675X	0.86712646484375
NODE1596X	GENE1019X	NODE1298X	0.86700439453125

NODE1597X	NODE1272X	GENE1683X	0.86700439453125
NODE1598X	GENE1120X	NODE1412X	0.86700439453125
NODE1599X	GENE1347X	GENE1346X	0.8668212890625
NODE1600X	GENE1889X	GENE1888X	0.86676025390625
NODE1601X	GENE679X	GENE678X	0.866455078125
NODE1602X	NODE1229X	NODE896X	0.86614990234375
NODE1603X	GENE2193X	NODE1240X	0.86614990234375
NODE1604X	GENE1778X	GENE1567X	0.8660888671875
NODE1605X	NODE1012X	NODE936X	0.86602783203125
NODE1606X	NODE1318X	NODE1268X	0.865966796875
NODE1607X	NODE1387X	NODE1160X	0.86590576171875
NODE1608X	GENE474X	NODE844X	0.86572265625
NODE1609X	NODE1155X	GENE2564X	0.8656005859375
NODE1610X	GENE642X	NODE984X	0.86541748046875
NODE1611X	GENE1049X	GENE1048X	0.86541748046875
NODE1612X	GENE1688X	GENE1686X	0.8653564453125
NODE1613X	NODE1125X	NODE1238X	0.865234375
NODE1614X	NODE1554X	NODE1244X	0.865234375
NODE1615X	GENE1528X	GENE1527X	0.86492919921875
NODE1616X	NODE1351X	GENE1996X	0.86480712890625
NODE1617X	NODE1184X	NODE1504X	0.86480712890625
NODE1618X	NODE1089X	NODE374X	0.86468505859375
NODE1619X	GENE1037X	GENE1036X	0.8646240234375
NODE1620X	NODE560X	GENE2631X	0.86456298828125
NODE1621X	NODE1400X	NODE1057X	0.86456298828125
NODE1622X	NODE1503X	NODE1354X	0.86456298828125
NODE1623X	GENE2027X	NODE1005X	0.86444091796875
NODE1624X	GENE934X	NODE1468X	0.86395263671875
NODE1625X	NODE1064X	GENE1569X	0.86334228515625
NODE1626X	NODE1191X	NODE1205X	0.86334228515625
NODE1627X	NODE1316X	NODE847X	0.86328125
NODE1628X	GENE1235X	GENE1234X	0.86309814453125
NODE1629X	NODE1499X	GENE1728X	0.8626708984375
NODE1630X	GENE1525X	NODE1352X	0.86260986328125
NODE1631X	NODE865X	NODE1173X	0.86260986328125
NODE1632X	NODE1595X	NODE1035X	0.862548828125
NODE1633X	GENE2097X	NODE1439X	0.862060546875
NODE1634X	NODE1347X	NODE1096X	0.8619384765625
NODE1635X	NODE1438X	GENE699X	0.86181640625
NODE1636X	NODE1417X	GENE546X	0.86175537109375
NODE1637X	GENE1055X	NODE1259X	0.861572265625
NODE1638X	GENE485X	NODE1457X	0.8609619140625
NODE1639X	NODE1565X	GENE2219X	0.86053466796875
NODE1640X	GENE435X	GENE426X	0.8603515625
NODE1641X	NODE1283X	GENE495X	0.86029052734375
NODE1642X	GENE1627X	GENE1626X	0.860107421875
NODE1643X	GENE567X	GENE491X	0.85986328125
NODE1644X	GENE2283X	NODE1227X	0.85986328125
NODE1645X	NODE1224X	NODE906X	0.85986328125
NODE1646X	GENE2185X	GENE2184X	0.8597412109375
NODE1647X	NODE1330X	NODE1370X	0.8594970703125
NODE1648X	NODE1501X	NODE1433X	0.8594970703125
NODE1649X	GENE1794X	GENE1788X	0.85931396484375
NODE1650X	GENE2557X	GENE2556X	0.85919189453125
NODE1651X	GENE2248X	NODE1253X	0.859130859375
NODE1652X	GENE638X	GENE637X	0.85906982421875
NODE1653X	NODE1344X	NODE1440X	0.85882568359375

NODE1654X	GENE1308X	GENE1307X	0.858642578125
NODE1655X	NODE1237X	GENE630X	0.85858154296875
NODE1656X	NODE995X	NODE1425X	0.8585205078125
NODE1657X	NODE985X	NODE1491X	0.8585205078125
NODE1658X	GENE1123X	NODE1426X	0.8582763671875
NODE1659X	NODE1039X	NODE1250X	0.8580322265625
NODE1660X	GENE520X	NODE1219X	0.85791015625
NODE1661X	NODE1234X	GENE1298X	0.8577880859375
NODE1662X	GENE1491X	GENE1490X	0.85760498046875
NODE1663X	NODE1403X	NODE1282X	0.85748291015625
NODE1664X	NODE1132X	GENE694X	0.85736083984375
NODE1665X	NODE1362X	NODE1196X	0.85736083984375
NODE1666X	NODE1331X	NODE1183X	0.85687255859375
NODE1667X	NODE1613X	GENE2011X	0.8568115234375
NODE1668X	GENE1910X	GENE1909X	0.85675048828125
NODE1669X	GENE2423X	GENE2422X	0.856689453125
NODE1670X	NODE1423X	NODE762X	0.8563232421875
NODE1671X	NODE1373X	NODE868X	0.85614013671875
NODE1672X	NODE1463X	NODE1337X	0.8558349609375
NODE1673X	GENE2284X	GENE1797X	0.855712890625
NODE1674X	GENE1988X	GENE1987X	0.855712890625
NODE1675X	GENE1283X	GENE1282X	0.8556518546875
NODE1676X	NODE1142X	NODE1542X	0.8553466796875
NODE1677X	NODE1104X	NODE1414X	0.85516357421875
NODE1678X	GENE1159X	NODE1345X	0.85498046875
NODE1679X	GENE1018X	NODE1490X	0.854736328125
NODE1680X	GENE948X	GENE947X	0.85455322265625
NODE1681X	GENE938X	NODE1144X	0.85455322265625
NODE1682X	NODE1292X	NODE1221X	0.85443115234375
NODE1683X	GENE2194X	NODE1603X	0.854248046875
NODE1684X	GENE1237X	GENE1236X	0.85418701171875
NODE1685X	GENE1000X	GENE436X	0.85394287109375
NODE1686X	GENE1151X	GENE1150X	0.85394287109375
NODE1687X	GENE1189X	GENE1188X	0.8538818359375
NODE1688X	NODE1209X	NODE1444X	0.85382080078125
NODE1689X	NODE551X	GENE1531X	0.85369873046875
NODE1690X	GENE2057X	GENE2056X	0.8536376953125
NODE1691X	NODE1411X	NODE1170X	0.8536376953125
NODE1692X	NODE1147X	GENE2650X	0.853515625
NODE1693X	NODE923X	NODE1452X	0.85345458984375
NODE1694X	NODE1116X	NODE379X	0.853271484375
NODE1695X	NODE1239X	NODE753X	0.853271484375
NODE1696X	GENE2280X	GENE1696X	0.85321044921875
NODE1697X	NODE1358X	GENE1695X	0.85308837890625
NODE1698X	NODE1601X	GENE677X	0.85284423828125
NODE1699X	NODE1163X	GENE2647X	0.85284423828125
NODE1700X	NODE1302X	NODE1077X	0.85284423828125
NODE1701X	GENE716X	NODE1067X	0.85272216796875
NODE1702X	NODE1213X	GENE724X	0.85272216796875
NODE1703X	GENE2316X	GENE2315X	0.8526611328125
NODE1704X	GENE719X	GENE718X	0.85211181640625
NODE1705X	NODE1108X	NODE1478X	0.85205078125
NODE1706X	GENE2253X	GENE2252X	0.851806640625
NODE1707X	GENE400X	GENE399X	0.85174560546875
NODE1708X	NODE1397X	NODE556X	0.85174560546875
NODE1709X	GENE2208X	GENE2207X	0.8511962890625
NODE1710X	NODE1677X	NODE1407X	0.85107421875

NODE1711X	GENE1046X	NODE1465X	0.850830078125
NODE1712X	NODE1489X	NODE1225X	0.85028076171875
NODE1713X	NODE1199X	NODE1557X	0.85015869140625
NODE1714X	GENE1908X	GENE1815X	0.85003662109375
NODE1715X	GENE2264X	GENE2263X	0.84967041015625
NODE1716X	NODE1263X	GENE1338X	0.849609375
NODE1717X	NODE1073X	NODE1296X	0.84930419921875
NODE1718X	GENE1304X	GENE1303X	0.84906005859375
NODE1719X	NODE1122X	NODE1375X	0.848876953125
NODE1720X	NODE1365X	NODE1325X	0.848876953125
NODE1721X	GENE1823X	GENE1822X	0.84881591796875
NODE1722X	GENE1514X	NODE1304X	0.84869384765625
NODE1723X	NODE1164X	NODE1307X	0.8486328125
NODE1724X	GENE1129X	NODE994X	0.84857177734375
NODE1725X	NODE1437X	NODE1145X	0.84844970703125
NODE1726X	GENE1067X	NODE1162X	0.848388671875
NODE1727X	NODE1515X	GENE2402X	0.84832763671875
NODE1728X	NODE1657X	NODE1326X	0.84832763671875
NODE1729X	NODE1558X	GENE1193X	0.847900390625
NODE1730X	NODE1364X	NODE1247X	0.84765625
NODE1731X	NODE1670X	NODE1109X	0.84735107421875
NODE1732X	NODE1188X	GENE2558X	0.8472900390625
NODE1733X	GENE1278X	GENE1277X	0.84716796875
NODE1734X	NODE1251X	NODE1310X	0.84698486328125
NODE1735X	GENE1098X	NODE1192X	0.84686279296875
NODE1736X	NODE1134X	NODE1534X	0.8468017578125
NODE1737X	GENE2175X	GENE2174X	0.84661865234375
NODE1738X	NODE1376X	NODE1589X	0.8465576171875
NODE1739X	GENE1210X	GENE1209X	0.84619140625
NODE1740X	GENE1829X	GENE1828X	0.84613037109375
NODE1741X	NODE1156X	NODE1483X	0.84564208984375
NODE1742X	NODE1340X	NODE1151X	0.845458984375
NODE1743X	NODE1415X	NODE1081X	0.84521484375
NODE1744X	NODE1338X	GENE1403X	0.84429931640625
NODE1745X	NODE1519X	NODE1406X	0.84429931640625
NODE1746X	NODE1390X	NODE1025X	0.843994140625
NODE1747X	NODE1623X	GENE2024X	0.84375
NODE1748X	NODE1328X	NODE1409X	0.84320068359375
NODE1749X	NODE1305X	NODE1088X	0.8431396484375
NODE1750X	GENE1848X	NODE1279X	0.84295654296875
NODE1751X	NODE1314X	NODE1396X	0.8427734375
NODE1752X	GENE1841X	GENE1840X	0.84271240234375
NODE1753X	NODE1001X	NODE1394X	0.84271240234375
NODE1754X	NODE1371X	NODE1278X	0.84259033203125
NODE1755X	NODE969X	NODE1329X	0.84246826171875
NODE1756X	NODE1445X	GENE2533X	0.8424072265625
NODE1757X	NODE1435X	NODE1380X	0.84222412109375
NODE1758X	NODE1150X	NODE1065X	0.84185791015625
NODE1759X	NODE1091X	NODE1286X	0.84173583984375
NODE1760X	GENE1034X	GENE1033X	0.84149169921875
NODE1761X	GENE1843X	GENE1842X	0.84124755859375
NODE1762X	NODE1045X	GENE1647X	0.84100341796875
NODE1763X	NODE1458X	NODE1653X	0.84088134765625
NODE1764X	NODE1168X	GENE2259X	0.8408203125
NODE1765X	NODE1691X	NODE1000X	0.84075927734375
NODE1766X	NODE1324X	GENE713X	0.84039306640625
NODE1767X	GENE1289X	GENE1288X	0.84027099609375

NODE1768X	GENE2467X	NODE1321X	0.840087890625
NODE1769X	GENE1810X	GENE1809X	0.83953857421875
NODE1770X	GENE2292X	GENE1799X	0.83917236328125
NODE1771X	NODE1567X	NODE1140X	0.83905029296875
NODE1772X	GENE1056X	NODE1637X	0.8388671875
NODE1773X	GENE702X	NODE1215X	0.8387451171875
NODE1774X	NODE1535X	NODE1720X	0.83856201171875
NODE1775X	NODE1576X	GENE1088X	0.8385009765625
NODE1776X	NODE1261X	GENE919X	0.83831787109375
NODE1777X	GENE2582X	NODE1027X	0.838134765625
NODE1778X	NODE1206X	NODE1431X	0.83807373046875
NODE1779X	GENE687X	NODE1194X	0.83795166015625
NODE1780X	NODE1686X	GENE1149X	0.83795166015625
NODE1781X	NODE1561X	NODE1399X	0.837890625
NODE1782X	NODE1446X	NODE1494X	0.837890625
NODE1783X	NODE1486X	NODE1070X	0.8377685546875
NODE1784X	NODE757X	GENE1294X	0.83758544921875
NODE1785X	NODE1460X	NODE1570X	0.83758544921875
NODE1786X	NODE1327X	NODE1353X	0.83740234375
NODE1787X	GENE1707X	NODE1114X	0.8370361328125
NODE1788X	NODE1018X	NODE1587X	0.83642578125
NODE1789X	GENE1670X	NODE1161X	0.8360595703125
NODE1790X	NODE1107X	GENE1890X	0.8359375
NODE1791X	GENE1007X	GENE1006X	0.83587646484375
NODE1792X	GENE1348X	NODE1599X	0.83551025390625
NODE1793X	NODE1627X	GENE2541X	0.83526611328125
NODE1794X	NODE945X	GENE1315X	0.83514404296875
NODE1795X	GENE1082X	NODE907X	0.8350830078125
NODE1796X	NODE1413X	NODE1071X	0.83502197265625
NODE1797X	NODE1621X	NODE1663X	0.8349609375
NODE1798X	GENE2663X	NODE1488X	0.83453369140625
NODE1799X	NODE1299X	NODE1097X	0.83447265625
NODE1800X	NODE1518X	GENE1257X	0.83416748046875
NODE1801X	GENE1274X	GENE1273X	0.8341064453125
NODE1802X	GENE1885X	GENE1883X	0.833740234375
NODE1803X	NODE1573X	NODE1343X	0.83355712890625
NODE1804X	GENE1229X	GENE1228X	0.83331298828125
NODE1805X	NODE1464X	GENE1712X	0.8331298828125
NODE1806X	GENE2567X	NODE1732X	0.83306884765625
NODE1807X	GENE1934X	NODE1131X	0.83282470703125
NODE1808X	GENE1020X	GENE527X	0.832763671875
NODE1809X	GENE1212X	GENE1211X	0.832763671875
NODE1810X	GENE1882X	GENE1881X	0.83270263671875
NODE1811X	GENE1130X	NODE1724X	0.83245849609375
NODE1812X	NODE1115X	NODE1090X	0.8323974609375
NODE1813X	NODE1631X	GENE447X	0.83233642578125
NODE1814X	NODE1500X	GENE427X	0.832275390625
NODE1815X	NODE1625X	NODE1020X	0.8316650390625
NODE1816X	NODE1408X	NODE1634X	0.83148193359375
NODE1817X	NODE1592X	NODE1529X	0.83148193359375
NODE1818X	GENE2287X	GENE2286X	0.8309326171875
NODE1819X	GENE2209X	GENE1994X	0.830322265625
NODE1820X	NODE1449X	NODE933X	0.83013916015625
NODE1821X	NODE1712X	NODE1473X	0.83001708984375
NODE1822X	GENE496X	NODE958X	0.82977294921875
NODE1823X	GENE1474X	NODE1459X	0.82977294921875
NODE1824X	NODE823X	GENE1636X	0.82958984375



NODE1825X	NODE1062X	NODE1342X	0.82952880859375
NODE1826X	NODE1487X	NODE1602X	0.82952880859375
NODE1827X	GENE1476X	GENE1475X	0.8289794921875
NODE1828X	NODE1366X	NODE1513X	0.828857421875
NODE1829X	NODE27X	NODE1157X	0.82867431640625
NODE1830X	NODE1428X	NODE1424X	0.82806396484375
NODE1831X	NODE1419X	NODE1647X	0.82781982421875
NODE1832X	GENE1074X	NODE1361X	0.82763671875
NODE1833X	NODE1556X	NODE1404X	0.82757568359375
NODE1834X	NODE1232X	NODE1203X	0.8271484375
NODE1835X	NODE1264X	NODE1591X	0.82696533203125
NODE1836X	NODE1719X	NODE1348X	0.8265380859375
NODE1837X	GENE1922X	NODE1622X	0.82635498046875
NODE1838X	NODE1257X	GENE2405X	0.8262939453125
NODE1839X	GENE1511X	NODE1014X	0.82537841796875
NODE1840X	NODE1291X	NODE1723X	0.82537841796875
NODE1841X	NODE1475X	NODE1496X	0.82537841796875
NODE1842X	GENE1058X	GENE1057X	0.8250732421875
NODE1843X	GENE1218X	GENE1217X	0.824951171875
NODE1844X	NODE1410X	NODE1524X	0.8248291015625
NODE1845X	NODE1474X	NODE1527X	0.8248291015625
NODE1846X	GENE1463X	GENE1462X	0.82470703125
NODE1847X	NODE1381X	NODE1069X	0.82470703125
NODE1848X	NODE1270X	NODE884X	0.82452392578125
NODE1849X	GENE1105X	GENE1060X	0.82415771484375
NODE1850X	NODE1427X	NODE1581X	0.82403564453125
NODE1851X	NODE1614X	NODE1482X	0.82391357421875
NODE1852X	NODE1648X	NODE1046X	0.82379150390625
NODE1853X	GENE1327X	GENE1326X	0.82354736328125
NODE1854X	GENE1392X	NODE1607X	0.8232421875
NODE1855X	GENE2618X	NODE1275X	0.8231201171875
NODE1856X	NODE1626X	NODE1480X	0.82305908203125
NODE1857X	GENE1051X	GENE1050X	0.822998046875
NODE1858X	NODE1349X	NODE1470X	0.82293701171875
NODE1859X	NODE1356X	GENE1941X	0.82244873046875
NODE1860X	GENE2170X	GENE2169X	0.8218994140625
NODE1861X	NODE874X	GENE1362X	0.82171630859375
NODE1862X	GENE1984X	GENE1983X	0.82171630859375
NODE1863X	GENE1145X	NODE1420X	0.82147216796875
NODE1864X	GENE2555X	GENE2554X	0.82135009765625
NODE1865X	GENE1367X	GENE1366X	0.8209228515625
NODE1866X	GENE1501X	GENE1500X	0.820556640625
NODE1867X	GENE1776X	GENE1775X	0.8204345703125
NODE1868X	NODE1610X	NODE1643X	0.82000732421875
NODE1869X	NODE1598X	NODE1294X	0.81964111328125
NODE1870X	GENE1156X	GENE1155X	0.819091796875
NODE1871X	NODE1658X	NODE1540X	0.81866455078125
NODE1872X	GENE1023X	GENE515X	0.81854248046875
NODE1873X	GENE940X	NODE1660X	0.81854248046875
NODE1874X	GENE1697X	GENE1566X	0.81854248046875
NODE1875X	NODE1537X	GENE1762X	0.81817626953125
NODE1876X	NODE1671X	NODE1398X	0.81805419921875
NODE1877X	NODE1508X	NODE1429X	0.81787109375
NODE1878X	NODE1688X	NODE1472X	0.81781005859375
NODE1879X	NODE1759X	GENE484X	0.81781005859375
NODE1880X	NODE1665X	NODE1726X	0.817626953125
NODE1881X	NODE1710X	NODE1563X	0.8173828125

NODE1882X	NODE1678X	NODE1533X	0.81732177734375
NODE1883X	GENE999X	GENE998X	0.81707763671875
NODE1884X	GENE1385X	GENE1384X	0.81695556640625
NODE1885X	NODE1628X	NODE1204X	0.81689453125
NODE1886X	NODE1541X	NODE1447X	0.81646728515625
NODE1887X	NODE1787X	NODE1578X	0.81597900390625
NODE1888X	NODE1317X	NODE1271X	0.81561279296875
NODE1889X	NODE1514X	GENE1989X	0.81500244140625
NODE1890X	GENE2196X	GENE2195X	0.81500244140625
NODE1891X	NODE1564X	NODE1616X	0.81488037109375
NODE1892X	GENE2183X	GENE2182X	0.81451416015625
NODE1893X	GENE1245X	GENE1244X	0.8140869140625
NODE1894X	NODE1466X	NODE1837X	0.81341552734375
NODE1895X	GENE1820X	GENE1819X	0.8133544921875
NODE1896X	NODE1850X	GENE1078X	0.81329345703125
NODE1897X	NODE1785X	NODE1816X	0.81317138671875
NODE1898X	GENE1861X	GENE1860X	0.81292724609375
NODE1899X	NODE1418X	GENE944X	0.812744140625
NODE1900X	GENE2395X	GENE2394X	0.812744140625
NODE1901X	GENE1255X	NODE368X	0.81268310546875
NODE1902X	GENE1873X	GENE1872X	0.81243896484375
NODE1903X	NODE1405X	NODE1461X	0.8123779296875
NODE1904X	GENE1043X	NODE1550X	0.81231689453125
NODE1905X	NODE1505X	NODE1695X	0.81231689453125
NODE1906X	GENE1310X	GENE1309X	0.8111572265625
NODE1907X	NODE1393X	GENE2216X	0.81085205078125
NODE1908X	GENE1032X	NODE1476X	0.8106689453125
NODE1909X	GENE401X	NODE1502X	0.810546875
NODE1910X	NODE1778X	NODE1574X	0.81048583984375
NODE1911X	GENE1936X	GENE1935X	0.8104248046875
NODE1912X	GENE976X	GENE973X	0.81036376953125
NODE1913X	NODE1569X	NODE1669X	0.810302734375
NODE1914X	GENE684X	NODE1377X	0.81024169921875
NODE1915X	GENE904X	GENE903X	0.80975341796875
NODE1916X	GENE975X	GENE974X	0.80963134765625
NODE1917X	NODE1655X	NODE1315X	0.8095703125
NODE1918X	NODE1659X	NODE1105X	0.80926513671875
NODE1919X	NODE1624X	NODE1617X	0.80908203125
NODE1920X	GENE1414X	GENE1413X	0.80902099609375
NODE1921X	NODE1523X	NODE1402X	0.80889892578125
NODE1922X	GENE1344X	NODE1333X	0.80853271484375
NODE1923X	GENE2420X	GENE2181X	0.8084716796875
NODE1924X	NODE1594X	NODE1448X	0.80828857421875
NODE1925X	NODE1742X	NODE1379X	0.80810546875
NODE1926X	NODE1754X	GENE2279X	0.8079833984375
NODE1927X	GENE1417X	GENE1416X	0.80780029296875
NODE1928X	GENE935X	GENE933X	0.8076171875
NODE1929X	NODE1451X	NODE1372X	0.8074951171875
NODE1930X	NODE1555X	GENE1406X	0.80743408203125
NODE1931X	GENE1063X	GENE1062X	0.80670166015625
NODE1932X	GENE717X	NODE1701X	0.80657958984375
NODE1933X	NODE1689X	GENE1297X	0.806396484375
NODE1934X	GENE2188X	GENE2031X	0.80621337890625
NODE1935X	NODE1666X	NODE1498X	0.80615234375
NODE1936X	GENE2293X	NODE1585X	0.80560302734375
NODE1937X	NODE1733X	GENE1276X	0.8055419921875
NODE1938X	NODE1609X	GENE2563X	0.80523681640625

NODE1939X	NODE1395X	NODE1664X	0.80523681640625
NODE1940X	GENE506X	GENE505X	0.80462646484375
NODE1941X	GENE1787X	GENE1786X	0.80462646484375
NODE1942X	GENE2429X	NODE1673X	0.80438232421875
NODE1943X	GENE2608X	GENE2607X	0.8040771484375
NODE1944X	GENE932X	GENE931X	0.8038330078125
NODE1945X	NODE1714X	NODE1481X	0.8038330078125
NODE1946X	NODE1360X	NODE1646X	0.80364990234375
NODE1947X	GENE1429X	GENE1428X	0.80352783203125
NODE1948X	NODE1789X	NODE1456X	0.8033447265625
NODE1949X	NODE1559X	NODE1886X	0.8031005859375
NODE1950X	GENE1864X	GENE1863X	0.802978515625
NODE1951X	NODE1845X	NODE1656X	0.802978515625
NODE1952X	GENE1796X	GENE1795X	0.80242919921875
NODE1953X	NODE1855X	NODE1708X	0.80224609375
NODE1954X	NODE1605X	NODE1725X	0.80157470703125
NODE1955X	NODE1359X	NODE1640X	0.801513671875
NODE1956X	NODE1736X	NODE1763X	0.80047607421875
NODE1957X	NODE1273X	NODE1813X	0.80010986328125
NODE1958X	NODE1633X	NODE1220X	0.79998779296875
NODE1959X	NODE1846X	GENE1461X	0.79974365234375
NODE1960X	GENE1376X	GENE1375X	0.7991943359375
NODE1961X	GENE1281X	GENE1280X	0.79913330078125
NODE1962X	NODE1699X	GENE2646X	0.799072265625
NODE1963X	GENE1153X	NODE1530X	0.79833984375
NODE1964X	NODE1135X	NODE1842X	0.7982177734375
NODE1965X	GENE1148X	NODE1517X	0.7978515625
NODE1966X	NODE1584X	GENE1803X	0.797607421875
NODE1967X	GENE1949X	NODE1924X	0.79730224609375
NODE1968X	NODE1652X	NODE1821X	0.797119140625
NODE1969X	GENE1219X	GENE1199X	0.796875
NODE1970X	NODE1858X	GENE2001X	0.796875
NODE1971X	NODE1015X	NODE1751X	0.796875
NODE1972X	NODE1619X	NODE1679X	0.79681396484375
NODE1973X	GENE1203X	NODE1495X	0.7967529296875
NODE1974X	GENE1440X	GENE1439X	0.79632568359375
NODE1975X	NODE1195X	NODE1368X	0.7962646484375
NODE1976X	NODE1635X	NODE1835X	0.7962646484375
NODE1977X	NODE1579X	GENE1893X	0.7957763671875
NODE1978X	GENE939X	NODE1583X	0.79547119140625
NODE1979X	NODE1914X	GENE681X	0.79522705078125
NODE1980X	NODE1596X	GENE1004X	0.7950439453125
NODE1981X	NODE1841X	NODE1332X	0.79486083984375
NODE1982X	NODE1547X	GENE727X	0.794677734375
NODE1983X	NODE1749X	NODE1741X	0.79437255859375
NODE1984X	NODE1571X	GENE1783X	0.7943115234375
NODE1985X	NODE1492X	NODE1840X	0.794189453125
NODE1986X	NODE1651X	NODE1812X	0.7940673828125
NODE1987X	GENE1877X	GENE1876X	0.79376220703125
NODE1988X	GENE1240X	GENE1239X	0.793212890625
NODE1989X	NODE1697X	NODE1696X	0.7926025390625
NODE1990X	NODE1820X	NODE1536X	0.79229736328125
NODE1991X	NODE1856X	NODE1471X	0.79150390625
NODE1992X	NODE1507X	NODE1793X	0.791259765625
NODE1993X	NODE1036X	GENE1929X	0.7908935546875
NODE1994X	NODE1745X	NODE1868X	0.789794921875
NODE1995X	NODE1672X	NODE1954X	0.789794921875

NODE1996X	GENE2562X	NODE1903X	0.78955078125
NODE1997X	NODE1618X	NODE1755X	0.7889404296875
NODE1998X	NODE1604X	GENE1568X	0.78851318359375
NODE1999X	NODE1703X	NODE1308X	0.7880859375
NODE2000X	GENE1458X	GENE1457X	0.78790283203125
NODE2001X	NODE1650X	GENE1835X	0.787841796875
NODE2002X	NODE1506X	NODE1024X	0.7877197265625
NODE2003X	GENE1782X	GENE1781X	0.78765869140625
NODE2004X	GENE1102X	GENE1101X	0.787353515625
NODE2005X	GENE1394X	GENE1393X	0.7869873046875
NODE2006X	NODE1645X	NODE1566X	0.7869873046875
NODE2007X	GENE2180X	GENE1832X	0.7860107421875
NODE2008X	GENE1485X	GENE1484X	0.78582763671875
NODE2009X	NODE1608X	NODE1831X	0.78564453125
NODE2010X	NODE1590X	NODE1512X	0.785400390625
NODE2011X	GENE1320X	GENE1319X	0.784912109375
NODE2012X	NODE1146X	GENE1800X	0.7841796875
NODE2013X	GENE1814X	GENE1813X	0.7841796875
NODE2014X	NODE1803X	NODE1731X	0.78369140625
NODE2015X	NODE1612X	GENE1687X	0.78350830078125
NODE2016X	NODE1309X	NODE1728X	0.7833251953125
NODE2017X	NODE1572X	NODE1687X	0.7833251953125
NODE2018X	NODE1649X	GENE1789X	0.78314208984375
NODE2019X	GENE2427X	GENE2426X	0.7830810546875
NODE2020X	NODE877X	NODE1553X	0.782958984375
NODE2021X	GENE1047X	NODE1711X	0.78271484375
NODE2022X	NODE1560X	NODE1548X	0.78271484375
NODE2023X	NODE1762X	NODE1765X	0.7825927734375
NODE2024X	NODE1638X	NODE1753X	0.781982421875
NODE2025X	NODE1562X	NODE1606X	0.7818603515625
NODE2026X	GENE1448X	GENE1447X	0.781494140625
NODE2027X	NODE1453X	NODE1805X	0.78125
NODE2028X	NODE1781X	GENE680X	0.7806396484375
NODE2029X	NODE1716X	NODE1526X	0.78033447265625
NODE2030X	GENE1287X	GENE1286X	0.7799072265625
NODE2031X	NODE1823X	GENE1471X	0.77978515625
NODE2032X	NODE113X	GENE1826X	0.7796630859375
NODE2033X	GENE1398X	GENE1397X	0.779541015625
NODE2034X	NODE1521X	GENE1975X	0.7794189453125
NODE2035X	NODE1479X	NODE1175X	0.77923583984375
NODE2036X	NODE1965X	NODE1863X	0.778564453125
NODE2037X	NODE1912X	GENE972X	0.77838134765625
NODE2038X	NODE1991X	NODE1817X	0.77825927734375
NODE2039X	GENE1625X	NODE1485X	0.7781982421875
NODE2040X	GENE1094X	GENE504X	0.77801513671875
NODE2041X	GENE1215X	GENE1205X	0.777587890625
NODE2042X	GENE1086X	GENE1085X	0.77716064453125
NODE2043X	NODE1847X	NODE1632X	0.77691650390625
NODE2044X	GENE1361X	NODE1746X	0.77685546875
NODE2045X	NODE1629X	NODE1112X	0.77685546875
NODE2046X	NODE1857X	NODE1611X	0.77679443359375
NODE2047X	NODE1580X	NODE1747X	0.7767333984375
NODE2048X	GENE1266X	GENE993X	0.77630615234375
NODE2049X	NODE1758X	NODE1210X	0.776123046875
NODE2050X	NODE1734X	NODE1956X	0.775146484375
NODE2051X	NODE1756X	GENE2532X	0.77447509765625
NODE2052X	GENE1204X	NODE1973X	0.77447509765625

NODE2053X	NODE1044X	GENE1349X	0.7742919921875
NODE2054X	NODE1838X	NODE1639X	0.7738037109375
NODE2055X	GENE1993X	NODE1588X	0.773681640625
NODE2056X	GENE1536X	GENE1535X	0.77362060546875
NODE2057X	NODE1844X	NODE976X	0.77288818359375
NODE2058X	GENE2178X	NODE1300X	0.77252197265625
NODE2059X	NODE1915X	NODE1641X	0.7724609375
NODE2060X	NODE1676X	NODE1667X	0.7724609375
NODE2061X	NODE1582X	NODE1852X	0.772216796875
NODE2062X	NODE1918X	NODE1717X	0.77166748046875
NODE2063X	NODE1707X	NODE1743X	0.7716064453125
NODE2064X	NODE1683X	NODE1266X	0.77130126953125
NODE2065X	NODE1943X	GENE2606X	0.77105712890625
NODE2066X	GENE1093X	GENE1092X	0.7705078125
NODE2067X	NODE1849X	NODE1908X	0.7703857421875
NODE2068X	NODE1586X	GENE1869X	0.77001953125
NODE2069X	NODE1929X	NODE1859X	0.76953125
NODE2070X	NODE1782X	NODE1469X	0.7691650390625
NODE2071X	NODE1484X	NODE1516X	0.76904296875
NODE2072X	NODE1738X	NODE1774X	0.76898193359375
NODE2073X	NODE1811X	NODE1389X	0.768798828125
NODE2074X	NODE1493X	NODE1798X	0.7686767578125
NODE2075X	NODE1284X	NODE1685X	0.7685546875
NODE2076X	NODE1981X	NODE1822X	0.76849365234375
NODE2077X	NODE1382X	GENE1246X	0.76800537109375
NODE2078X	NODE668X	GENE1477X	0.76800537109375
NODE2079X	NODE1977X	NODE1790X	0.76763916015625
NODE2080X	NODE1797X	NODE1897X	0.76727294921875
NODE2081X	GENE1452X	GENE1451X	0.7672119140625
NODE2082X	NODE1441X	GENE2023X	0.7669677734375
NODE2083X	NODE1644X	GENE2278X	0.7669677734375
NODE2084X	GENE1390X	GENE1389X	0.76678466796875
NODE2085X	GENE1252X	GENE1251X	0.7664794921875
NODE2086X	NODE1636X	NODE1877X	0.76629638671875
NODE2087X	GENE1432X	GENE1431X	0.76611328125
NODE2088X	NODE1828X	NODE2045X	0.76580810546875
NODE2089X	NODE1705X	NODE1983X	0.76373291015625
NODE2090X	GENE2173X	GENE2172X	0.763427734375
NODE2091X	NODE1520X	GENE1691X	0.76324462890625
NODE2092X	NODE1511X	GENE1779X	0.76318359375
NODE2093X	NODE1702X	NODE1814X	0.76263427734375
NODE2094X	NODE1510X	NODE1477X	0.76171875
NODE2095X	NODE1904X	NODE1826X	0.76171875
NODE2096X	NODE1940X	GENE492X	0.7613525390625
NODE2097X	NODE1630X	GENE1518X	0.7607421875
NODE2098X	GENE1285X	GENE1284X	0.76055908203125
NODE2099X	NODE1401X	NODE1986X	0.760498046875
NODE2100X	NODE1509X	NODE1989X	0.76043701171875
NODE2101X	NODE1921X	NODE1693X	0.76031494140625
NODE2102X	GENE1008X	NODE1791X	0.76025390625
NODE2103X	NODE1876X	NODE931X	0.760009765625
NODE2104X	GENE1017X	NODE1430X	0.7598876953125
NODE2105X	NODE1575X	NODE1881X	0.7598876953125
NODE2106X	NODE1704X	NODE1978X	0.75970458984375
NODE2107X	NODE1391X	NODE2080X	0.7596435546875
NODE2108X	NODE1896X	NODE1713X	0.759521484375
NODE2109X	GENE1767X	GENE1766X	0.75946044921875

NODE2110X	NODE1779X	NODE1979X	0.75927734375
NODE2111X	NODE1933X	NODE1784X	0.7581787109375
NODE2112X	GENE1377X	NODE1960X	0.758056640625
NODE2113X	NODE1810X	GENE1880X	0.75775146484375
NODE2114X	GENE1035X	NODE1760X	0.75726318359375
NODE2115X	GENE949X	NODE1680X	0.757080078125
NODE2116X	NODE1769X	GENE1808X	0.75701904296875
NODE2117X	GENE1216X	GENE1214X	0.75677490234375
NODE2118X	NODE1694X	NODE1690X	0.75628662109375
NODE2119X	NODE1942X	NODE1770X	0.755859375
NODE2120X	NODE1739X	NODE1462X	0.75567626953125
NODE2121X	NODE1552X	NODE1718X	0.75372314453125
NODE2122X	NODE1792X	GENE1345X	0.75323486328125
NODE2123X	NODE1889X	NODE1539X	0.753173828125
NODE2124X	NODE1777X	NODE1277X	0.75311279296875
NODE2125X	NODE1764X	NODE1709X	0.752685546875
NODE2126X	NODE1531X	NODE1985X	0.7523193359375
NODE2127X	GENE2197X	NODE1890X	0.75213623046875
NODE2128X	NODE1899X	GENE943X	0.75177001953125
NODE2129X	NODE2025X	NODE1799X	0.75164794921875
NODE2130X	GENE1793X	GENE1792X	0.75103759765625
NODE2131X	NODE1727X	NODE1825X	0.75067138671875
NODE2132X	GENE1419X	GENE1418X	0.75054931640625
NODE2133X	NODE1783X	NODE1577X	0.7503662109375
NODE2134X	GENE1392X	GENE1391X	0.750244140625
NODE2135X	NODE1824X	GENE1565X	0.7501220703125
NODE2136X	NODE1700X	NODE1976X	0.74993896484375
NODE2137X	GENE1158X	GENE1157X	0.749755859375
NODE2138X	NODE1834X	NODE1910X	0.7493896484375
NODE2139X	GENE996X	GENE995X	0.7490234375
NODE2140X	GENE1839X	GENE1838X	0.74884033203125
NODE2141X	NODE1829X	GENE1547X	0.74761962890625
NODE2142X	NODE1916X	NODE1730X	0.74755859375
NODE2143X	GENE1265X	NODE2024X	0.7471923828125
NODE2144X	NODE1926X	NODE1768X	0.7471923828125
NODE2145X	GENE1038X	GENE1014X	0.74713134765625
NODE2146X	GENE1104X	GENE950X	0.746826171875
NODE2147X	NODE1773X	NODE1939X	0.74664306640625
NODE2148X	NODE1248X	NODE1887X	0.74658203125
NODE2149X	NODE2002X	GENE1522X	0.74627685546875
NODE2150X	NODE1682X	NODE1597X	0.74615478515625
NODE2151X	NODE1854X	NODE1833X	0.74609375
NODE2152X	NODE1201X	NODE1722X	0.74542236328125
NODE2153X	GENE1208X	NODE513X	0.745361328125
NODE2154X	NODE1843X	NODE1969X	0.74468994140625
NODE2155X	NODE1729X	GENE1192X	0.74456787109375
NODE2156X	NODE1830X	NODE2103X	0.74249267578125
NODE2157X	GENE1262X	GENE1061X	0.74176025390625
NODE2158X	NODE1888X	NODE2053X	0.7415771484375
NODE2159X	GENE634X	NODE1917X	0.74151611328125
NODE2160X	NODE1871X	NODE1748X	0.740478515625
NODE2161X	GENE1388X	GENE1387X	0.73974609375
NODE2162X	NODE2116X	NODE2092X	0.73974609375
NODE2163X	GENE1421X	GENE1420X	0.7396240234375
NODE2164X	NODE2049X	NODE1796X	0.73956298828125
NODE2165X	NODE1836X	NODE1891X	0.73931884765625
NODE2166X	NODE1851X	NODE1909X	0.73895263671875

NODE2167X	NODE1735X	NODE2021X	0.73876953125
NODE2168X	NODE2051X	NODE2057X	0.73870849609375
NODE2169X	NODE2063X	NODE1968X	0.7386474609375
NODE2170X	NODE1786X	NODE1771X	0.73614501953125
NODE2171X	NODE2043X	GENE639X	0.73529052734375
NODE2172X	GENE1937X	NODE1911X	0.73492431640625
NODE2173X	NODE1322X	NODE1815X	0.734619140625
NODE2174X	GENE1322X	GENE1321X	0.73431396484375
NODE2175X	GENE1238X	NODE1684X	0.73406982421875
NODE2176X	GENE1807X	GENE1806X	0.73394775390625
NODE2177X	GENE1383X	GENE1382X	0.7337646484375
NODE2178X	GENE2033X	GENE2032X	0.7335205078125
NODE2179X	NODE1957X	NODE2009X	0.73345947265625
NODE2180X	NODE1788X	NODE1878X	0.733154296875
NODE2181X	NODE1860X	GENE2168X	0.73284912109375
NODE2182X	NODE2147X	NODE1385X	0.732421875
NODE2183X	NODE2031X	NODE1422X	0.73028564453125
NODE2184X	NODE1970X	NODE1153X	0.7301025390625
NODE2185X	GENE1378X	NODE2112X	0.72955322265625
NODE2186X	NODE2040X	GENE503X	0.729248046875
NODE2187X	NODE2074X	NODE1951X	0.7291259765625
NODE2188X	NODE2071X	NODE1953X	0.72869873046875
NODE2189X	NODE2006X	NODE1882X	0.72808837890625
NODE2190X	NODE2055X	GENE1897X	0.727783203125
NODE2191X	NODE1900X	GENE2393X	0.72772216796875
NODE2192X	GENE1430X	NODE1947X	0.7275390625
NODE2193X	GENE1075X	NODE1955X	0.7274169921875
NODE2194X	NODE1775X	GENE1087X	0.72686767578125
NODE2195X	NODE1879X	NODE1757X	0.72662353515625
NODE2196X	GENE1368X	NODE1865X	0.72650146484375
NODE2197X	GENE1790X	GENE1768X	0.72650146484375
NODE2198X	NODE1642X	NODE1436X	0.72650146484375
NODE2199X	GENE1761X	GENE1760X	0.7261962890625
NODE2200X	NODE1675X	NODE1961X	0.72601318359375
NODE2201X	GENE1295X	GENE1241X	0.72564697265625
NODE2202X	NODE1497X	NODE1862X	0.72454833984375
NODE2203X	NODE1922X	NODE2029X	0.72381591796875
NODE2204X	NODE1937X	GENE1275X	0.72210693359375
NODE2205X	NODE2014X	NODE2023X	0.72210693359375
NODE2206X	NODE1715X	NODE2060X	0.72149658203125
NODE2207X	GENE1369X	GENE1152X	0.7213134765625
NODE2208X	NODE1620X	NODE1827X	0.7208251953125
NODE2209X	GENE1225X	GENE1091X	0.72015380859375
NODE2210X	NODE1906X	NODE1654X	0.71954345703125
NODE2211X	GENE1243X	GENE1242X	0.71929931640625
NODE2212X	NODE2093X	NODE1525X	0.7166748046875
NODE2213X	NODE1832X	NODE1880X	0.71624755859375
NODE2214X	GENE2179X	NODE2058X	0.71490478515625
NODE2215X	NODE1936X	NODE1802X	0.71490478515625
NODE2216X	GENE1555X	GENE1554X	0.714599609375
NODE2217X	NODE1945X	NODE2013X	0.71356201171875
NODE2218X	GENE1427X	GENE1426X	0.71319580078125
NODE2219X	NODE2079X	NODE1600X	0.71240234375
NODE2220X	NODE1692X	NODE1894X	0.71160888671875
NODE2221X	NODE2172X	NODE1807X	0.7113037109375
NODE2222X	NODE1919X	NODE2059X	0.71014404296875
NODE2223X	NODE1543X	GENE1558X	0.7098388671875

NODE2224X	NODE1958X	NODE2138X	0.7098388671875
NODE2225X	NODE2170X	NODE1948X	0.70904541015625
NODE2226X	GENE2421X	NODE1668X	0.7086181640625
NODE2227X	NODE2125X	NODE1819X	0.708251953125
NODE2228X	NODE2042X	NODE2075X	0.708251953125
NODE2229X	GENE1292X	GENE977X	0.7081298828125
NODE2230X	NODE1998X	NODE1874X	0.7076416015625
NODE2231X	NODE1795X	NODE1772X	0.706787109375
NODE2232X	GENE1504X	GENE1503X	0.70635986328125
NODE2233X	NODE2142X	NODE1546X	0.70440673828125
NODE2234X	GENE1887X	GENE1886X	0.703125
NODE2235X	NODE1721X	GENE1821X	0.7030029296875
NODE2236X	NODE1974X	NODE1593X	0.7027587890625
NODE2237X	GENE1459X	NODE2000X	0.702392578125
NODE2238X	NODE1959X	GENE1460X	0.702392578125
NODE2239X	NODE2151X	NODE1971X	0.70220947265625
NODE2240X	NODE2101X	NODE2107X	0.70196533203125
NODE2241X	NODE2032X	GENE1827X	0.70111083984375
NODE2242X	NODE1946X	NODE1966X	0.70050048828125
NODE2243X	GENE1115X	GENE1114X	0.7001953125
NODE2244X	GENE1444X	GENE1443X	0.7000732421875
NODE2245X	NODE1938X	NODE1806X	0.70001220703125
NODE2246X	NODE2222X	NODE2126X	0.699951171875
NODE2247X	GENE1435X	GENE1434X	0.699462890625
NODE2248X	GENE1227X	GENE1226X	0.69927978515625
NODE2249X	NODE1928X	NODE1944X	0.6988525390625
NODE2250X	NODE1883X	GENE997X	0.6983642578125
NODE2251X	NODE2179X	NODE2105X	0.6982421875
NODE2252X	NODE2187X	NODE2061X	0.69720458984375
NODE2253X	NODE2124X	NODE1925X	0.6968994140625
NODE2254X	GENE1774X	GENE1773X	0.69677734375
NODE2255X	NODE1920X	NODE1141X	0.696533203125
NODE2256X	NODE1995X	NODE2099X	0.69635009765625
NODE2257X	NODE1999X	NODE2082X	0.69561767578125
NODE2258X	NODE1949X	NODE2129X	0.69512939453125
NODE2259X	NODE1980X	GENE1005X	0.695068359375
NODE2260X	NODE1766X	NODE1698X	0.69476318359375
NODE2261X	NODE1661X	GENE1261X	0.69378662109375
NODE2262X	NODE1987X	GENE1875X	0.693115234375
NODE2263X	NODE1808X	NODE1972X	0.6920166015625
NODE2264X	NODE1992X	NODE2144X	0.6920166015625
NODE2265X	NODE1752X	NODE2140X	0.6910400390625
NODE2266X	NODE1873X	NODE2086X	0.689208984375
NODE2267X	NODE1549X	NODE1750X	0.68914794921875
NODE2268X	NODE2236X	GENE1436X	0.68902587890625
NODE2269X	NODE1975X	NODE2148X	0.68896484375
NODE2270X	NODE2065X	NODE1662X	0.68890380859375
NODE2271X	NODE2076X	NODE2050X	0.6878662109375
NODE2272X	NODE2260X	NODE1990X	0.68707275390625
NODE2273X	NODE2020X	NODE2038X	0.68646240234375
NODE2274X	NODE2083X	NODE1848X	0.6861572265625
NODE2275X	NODE1930X	NODE1744X	0.68353271484375
NODE2276X	NODE2174X	NODE2011X	0.68304443359375
NODE2277X	GENE1526X	NODE2097X	0.681640625
NODE2278X	NODE1776X	NODE2048X	0.68121337890625
NODE2279X	NODE2131X	NODE2054X	0.6810302734375
NODE2280X	NODE2161X	GENE1386X	0.68048095703125



NODE2281X	NODE1902X	NODE2068X	0.6802978515625
NODE2282X	NODE2191X	NODE1905X	0.679931640625
NODE2283X	NODE1839X	NODE1087X	0.67974853515625
NODE2284X	GENE1256X	NODE1901X	0.6793212890625
NODE2285X	NODE1984X	NODE2003X	0.6787109375
NODE2286X	NODE1767X	NODE911X	0.67828369140625
NODE2287X	NODE2069X	NODE1967X	0.67828369140625
NODE2288X	GENE1270X	NODE1544X	0.67803955078125
NODE2289X	NODE2072X	NODE2089X	0.67767333984375
NODE2290X	NODE1997X	GENE1859X	0.677490234375
NODE2291X	GENE1493X	GENE1492X	0.67681884765625
NODE2292X	GENE1396X	GENE1395X	0.6759033203125
NODE2293X	NODE2166X	NODE2171X	0.675048828125
NODE2294X	GENE1777X	GENE1464X	0.6744384765625
NODE2295X	NODE2062X	NODE2010X	0.67364501953125
NODE2296X	GENE1837X	GENE1836X	0.67340087890625
NODE2297X	NODE2231X	NODE2095X	0.67230224609375
NODE2298X	NODE2135X	GENE1557X	0.67218017578125
NODE2299X	NODE2073X	NODE2120X	0.67138671875
NODE2300X	NODE2273X	NODE2189X	0.67138671875
NODE2301X	NODE2088X	NODE2150X	0.6712646484375
NODE2302X	NODE2108X	NODE2160X	0.67108154296875
NODE2303X	GENE2082X	GENE1862X	0.6702880859375
NODE2304X	NODE324X	NODE2193X	0.66998291015625
NODE2305X	GENE1495X	GENE1494X	0.66973876953125
NODE2306X	GENE1499X	GENE1498X	0.66912841796875
NODE2307X	NODE2034X	GENE1399X	0.66705322265625
NODE2308X	NODE2127X	NODE1674X	0.66680908203125
NODE2309X	NODE2146X	GENE951X	0.666748046875
NODE2310X	GENE1868X	GENE1867X	0.66558837890625
NODE2311X	GENE1517X	NODE2152X	0.6649169921875
NODE2312X	NODE2155X	NODE1963X	0.66485595703125
NODE2313X	GENE1487X	GENE1486X	0.664794921875
NODE2314X	NODE1934X	NODE2123X	0.66473388671875
NODE2315X	GENE1771X	GENE1770X	0.66412353515625
NODE2316X	GENE994X	NODE1932X	0.66351318359375
NODE2317X	NODE2213X	NODE1931X	0.66241455078125
NODE2318X	NODE2087X	NODE2192X	0.66241455078125
NODE2319X	GENE1402X	GENE1401X	0.66204833984375
NODE2320X	GENE942X	GENE941X	0.66119384765625
NODE2321X	NODE1962X	NODE2252X	0.6561279296875
NODE2322X	NODE2256X	NODE2022X	0.6551513671875
NODE2323X	NODE1994X	NODE2266X	0.65399169921875
NODE2324X	NODE2156X	NODE2206X	0.6536865234375
NODE2325X	GENE1370X	NODE1869X	0.6531982421875
NODE2326X	NODE2027X	NODE2301X	0.6502685546875
NODE2327X	NODE2016X	NODE1907X	0.64990234375
NODE2328X	NODE2267X	NODE2044X	0.64984130859375
NODE2329X	NODE2130X	NODE2018X	0.649169921875
NODE2330X	NODE2220X	NODE1895X	0.64874267578125
NODE2331X	GENE1260X	NODE1800X	0.64862060546875
NODE2332X	GENE1825X	GENE1824X	0.64837646484375
NODE2333X	NODE1809X	NODE2041X	0.64825439453125
NODE2334X	NODE1761X	NODE2265X	0.64813232421875
NODE2335X	NODE1615X	NODE2085X	0.6478271484375
NODE2336X	GENE1325X	GENE1324X	0.64776611328125
NODE2337X	NODE2005X	NODE2134X	0.6468505859375

NODE2338X	NODE2133X	NODE2205X	0.64605712890625
NODE2339X	NODE2246X	NODE2028X	0.64593505859375
NODE2340X	GENE1108X	NODE1681X	0.64508056640625
NODE2341X	NODE2165X	NODE2047X	0.64288330078125
NODE2342X	NODE1780X	NODE1872X	0.64263916015625
NODE2343X	NODE2149X	GENE1556X	0.641845703125
NODE2344X	NODE2019X	NODE2198X	0.640625
NODE2345X	NODE2007X	GENE1423X	0.63897705078125
NODE2346X	NODE1996X	NODE2224X	0.63812255859375
NODE2347X	GENE1293X	NODE2098X	0.63800048828125
NODE2348X	NODE2035X	NODE2102X	0.63726806640625
NODE2349X	GENE1425X	GENE1424X	0.636962890625
NODE2350X	NODE2111X	NODE1988X	0.63690185546875
NODE2351X	GENE1446X	GENE1445X	0.63677978515625
NODE2352X	NODE2143X	NODE2271X	0.63665771484375
NODE2353X	GENE1154X	GENE1109X	0.636474609375
NODE2354X	GENE728X	NODE2110X	0.63525390625
NODE2355X	NODE2137X	NODE1870X	0.635009765625
NODE2356X	NODE2136X	NODE2323X	0.63433837890625
NODE2357X	NODE2245X	NODE1864X	0.6336669921875
NODE2358X	GENE2171X	NODE2181X	0.63360595703125
NODE2359X	GENE1483X	NODE2248X	0.63250732421875
NODE2360X	NODE2114X	NODE2263X	0.6324462890625
NODE2361X	NODE2064X	NODE1892X	0.632080078125
NODE2362X	GENE1834X	GENE1833X	0.6318359375
NODE2363X	NODE1818X	GENE1520X	0.63116455078125
NODE2364X	NODE2046X	NODE2251X	0.6304931640625
NODE2365X	NODE2017X	NODE2106X	0.63031005859375
NODE2366X	NODE1801X	NODE2278X	0.63031005859375
NODE2367X	NODE2194X	NODE1964X	0.6300048828125
NODE2368X	NODE1303X	GENE1465X	0.62969970703125
NODE2369X	NODE2195X	NODE2159X	0.62945556640625
NODE2370X	NODE2145X	NODE2104X	0.6273193359375
NODE2371X	NODE2081X	GENE1450X	0.62603759765625
NODE2372X	GENE1313X	NODE2096X	0.6258544921875
NODE2373X	NODE2207X	GENE1079X	0.624755859375
NODE2374X	NODE2175X	NODE1885X	0.62274169921875
NODE2375X	NODE2295X	NODE2226X	0.6226806640625
NODE2376X	NODE2258X	NODE2118X	0.6199951171875
NODE2377X	NODE2091X	GENE1561X	0.619873046875
NODE2378X	GENE2167X	GENE2166X	0.61883544921875
NODE2379X	GENE1769X	NODE2109X	0.6168212890625
NODE2380X	NODE2284X	NODE2077X	0.61541748046875
NODE2381X	NODE2287X	GENE1938X	0.6148681640625
NODE2382X	NODE1867X	NODE2223X	0.61383056640625
NODE2383X	NODE2186X	NODE2169X	0.6136474609375
NODE2384X	NODE2119X	NODE2225X	0.61285400390625
NODE2385X	GENE1311X	NODE2210X	0.611083984375
NODE2386X	NODE2322X	NODE1706X	0.60809326171875
NODE2387X	GENE2077X	NODE1935X	0.60577392578125
NODE2388X	GENE1224X	GENE1223X	0.60552978515625
NODE2389X	NODE2164X	NODE2202X	0.60540771484375
NODE2390X	NODE2327X	NODE2162X	0.6043701171875
NODE2391X	NODE1893X	NODE2157X	0.60302734375
NODE2392X	NODE1737X	NODE2090X	0.60198974609375
NODE2393X	NODE2037X	NODE2233X	0.60186767578125
NODE2394X	NODE2279X	NODE2282X	0.601318359375

NODE2395X	GENE1106X	NODE2067X	0.60089111328125
NODE2396X	NODE2153X	NODE1568X	0.60089111328125
NODE2397X	NODE2288X	NODE2180X	0.5997314453125
NODE2398X	GENE1546X	GENE1112X	0.59930419921875
NODE2399X	NODE2168X	NODE2100X	0.597900390625
NODE2400X	GENE1279X	NODE2204X	0.59771728515625
NODE2401X	NODE2250X	NODE2139X	0.59716796875
NODE2402X	NODE2341X	NODE2303X	0.59661865234375
NODE2403X	NODE2316X	NODE2182X	0.59625244140625
NODE2404X	NODE2177X	NODE1528X	0.59619140625
NODE2405X	GENE1497X	GENE1331X	0.59417724609375
NODE2406X	GENE1433X	NODE2318X	0.59222412109375
NODE2407X	NODE2208X	NODE2183X	0.59130859375
NODE2408X	NODE2261X	NODE2331X	0.5909423828125
NODE2409X	NODE2078X	GENE1467X	0.58935546875
NODE2410X	NODE2281X	NODE2070X	0.588134765625
NODE2411X	NODE1923X	NODE2349X	0.58721923828125
NODE2412X	NODE1913X	NODE2399X	0.5865478515625
NODE2413X	NODE2052X	NODE2272X	0.58587646484375
NODE2414X	NODE2293X	NODE2240X	0.5853271484375
NODE2415X	NODE2389X	NODE2239X	0.5841064453125
NODE2416X	GENE1111X	GENE1110X	0.58160400390625
NODE2417X	GENE1791X	NODE2121X	0.5804443359375
NODE2418X	NODE2290X	NODE2184X	0.5802001953125
NODE2419X	NODE2188X	NODE2321X	0.5799560546875
NODE2420X	NODE2376X	NODE2346X	0.57867431640625
NODE2421X	GENE1507X	GENE1230X	0.5780029296875
NODE2422X	NODE2128X	NODE2297X	0.577880859375
NODE2423X	NODE2309X	GENE952X	0.5770263671875
NODE2424X	NODE2289X	NODE2269X	0.576416015625
NODE2425X	NODE81X	GENE1328X	0.5762939453125
NODE2426X	NODE2243X	NODE2249X	0.5751953125
NODE2427X	NODE2214X	NODE2230X	0.57366943359375
NODE2428X	NODE2298X	NODE2173X	0.573486328125
NODE2429X	NODE2302X	NODE2365X	0.573486328125
NODE2430X	NODE1804X	NODE2036X	0.57275390625
NODE2431X	NODE2324X	NODE2227X	0.5711669921875
NODE2432X	GENE1506X	GENE1296X	0.57073974609375
NODE2433X	GENE1323X	NODE2276X	0.56890869140625
NODE2434X	NODE1927X	GENE1415X	0.56787109375
NODE2435X	GENE1456X	NODE2004X	0.56634521484375
NODE2436X	GENE1879X	GENE1878X	0.56591796875
NODE2437X	GENE1496X	NODE2305X	0.5655517578125
NODE2438X	GENE1213X	GENE1103X	0.56494140625
NODE2439X	NODE2030X	NODE2200X	0.5625
NODE2440X	NODE2012X	NODE2039X	0.561767578125
NODE2441X	NODE2286X	NODE2115X	0.56036376953125
NODE2442X	GENE1780X	GENE1562X	0.55889892578125
NODE2443X	NODE2221X	NODE1993X	0.558837890625
NODE2444X	NODE2158X	NODE2203X	0.5584716796875
NODE2445X	NODE2094X	NODE2350X	0.5579833984375
NODE2446X	NODE2379X	NODE1875X	0.557373046875
NODE2447X	GENE1553X	GENE1552X	0.5565185546875
NODE2448X	NODE2339X	NODE2393X	0.55523681640625
NODE2449X	NODE2033X	NODE2292X	0.55413818359375
NODE2450X	NODE2196X	NODE2325X	0.5540771484375
NODE2451X	NODE2244X	GENE1442X	0.55401611328125

NODE2452X	NODE2257X	NODE2178X	0.55322265625
NODE2453X	NODE1950X	NODE2218X	0.552734375
NODE2454X	NODE2253X	NODE2264X	0.55224609375
NODE2455X	NODE2363X	NODE2015X	0.5430908203125
NODE2456X	NODE1898X	NODE1866X	0.5386962890625
NODE2457X	NODE2167X	NODE2397X	0.5380859375
NODE2458X	GENE1365X	NODE2450X	0.53753662109375
NODE2459X	NODE2217X	NODE2176X	0.53662109375
NODE2460X	NODE2300X	NODE2212X	0.53619384765625
NODE2461X	GENE2411X	NODE2332X	0.5360107421875
NODE2462X	NODE2254X	GENE1772X	0.5340576171875
NODE2463X	NODE2391X	NODE2228X	0.5333251953125
NODE2464X	GENE1410X	NODE1982X	0.53289794921875
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NODE2466X	NODE2402X	NODE2418X	0.53167724609375
NODE2467X	NODE2357X	NODE2219X	0.5311279296875
NODE2468X	NODE2275X	NODE2319X	0.531005859375
NODE2469X	NODE2403X	NODE2354X	0.5291748046875
NODE2470X	NODE2235X	NODE1952X	0.526123046875
NODE2471X	GENE1468X	GENE1455X	0.5252685546875
NODE2472X	NODE2412X	NODE2424X	0.52520751953125
NODE2473X	NODE2001X	NODE2387X	0.5247802734375
NODE2474X	NODE2141X	NODE2056X	0.52471923828125
NODE2475X	NODE2242X	NODE2190X	0.523681640625
NODE2476X	NODE2307X	NODE2008X	0.521240234375
NODE2477X	NODE2163X	NODE2132X	0.51812744140625
NODE2478X	NODE2361X	NODE2285X	0.51727294921875
NODE2479X	NODE2348X	NODE2259X	0.51580810546875
NODE2480X	NODE2314X	NODE2443X	0.51153564453125
NODE2481X	NODE2428X	NODE2343X	0.51068115234375
NODE2482X	GENE1480X	NODE2368X	0.50897216796875
NODE2483X	NODE2360X	NODE2383X	0.506103515625
NODE2484X	GENE1318X	GENE1314X	0.50555419921875
NODE2485X	NODE2234X	NODE1740X	0.505126953125
NODE2486X	GENE1107X	NODE2342X	0.504150390625
NODE2487X	NODE2237X	NODE2370X	0.50390625
NODE2488X	NODE2375X	NODE2390X	0.50347900390625
NODE2489X	NODE2262X	GENE1874X	0.503173828125
NODE2490X	NODE610X	NODE2268X	0.5029296875
NODE2491X	NODE2312X	NODE2356X	0.49957275390625
NODE2492X	NODE2197X	GENE1441X	0.49920654296875
NODE2493X	NODE2084X	NODE2280X	0.4986572265625
NODE2494X	NODE2431X	NODE2308X	0.4984130859375
NODE2495X	NODE2419X	NODE2270X	0.495849609375
NODE2496X	NODE2311X	NODE2283X	0.49560546875
NODE2497X	NODE2299X	NODE2429X	0.4945068359375
NODE2498X	NODE2344X	NODE2442X	0.4945068359375
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NODE2500X	NODE2388X	NODE2438X	0.48980712890625
NODE2501X	NODE2435X	NODE2367X	0.4852294921875
NODE2502X	NODE2371X	GENE1449X	0.48388671875
NODE2503X	NODE2460X	NODE2414X	0.4822998046875
NODE2504X	NODE2384X	NODE2274X	0.48175048828125
NODE2505X	GENE1907X	NODE2296X	0.4798583984375
NODE2506X	NODE2310X	NODE2410X	0.4793701171875
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NODE2508X	GENE1220X	NODE2066X	0.4779052734375

NODE2509X	NODE2317X	NODE2304X	0.475341796875
NODE2510X	NODE2392X	NODE2358X	0.47412109375
NODE2511X	NODE2382X	NODE2216X	0.47247314453125
NODE2512X	NODE2313X	GENE1454X	0.4716796875
NODE2513X	GENE1312X	NODE2385X	0.46966552734375
NODE2514X	NODE2472X	NODE2504X	0.4677734375
NODE2515X	NODE2446X	NODE2199X	0.46636962890625
NODE2516X	GENE2285X	NODE2338X	0.4659423828125
NODE2517X	NODE2241X	NODE2345X	0.4649658203125
NODE2518X	NODE2026X	NODE2351X	0.46466064453125
NODE2519X	NODE2430X	NODE2413X	0.46441650390625
NODE2520X	NODE2495X	NODE2330X	0.4627685546875
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NODE2524X	NODE2386X	NODE2215X	0.45733642578125
NODE2525X	NODE2113X	GENE1508X	0.45574951171875
NODE2526X	NODE2117X	NODE2333X	0.4542236328125
NODE2527X	NODE2440X	GENE1505X	0.452392578125
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NODE2534X	NODE2232X	NODE2306X	0.4327392578125
NODE2535X	NODE2497X	NODE2491X	0.43145751953125
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NODE2578X	NODE2494X	NODE2427X	0.320556640625
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NODE2581X	NODE2476X	NODE2471X	0.3013916015625
NODE2582X	NODE2478X	NODE2411X	0.2967529296875
NODE2583X	NODE2501X	NODE2567X	0.2965087890625
NODE2584X	NODE2531X	NODE2374X	0.29339599609375
NODE2585X	NODE2485X	NODE2517X	0.291259765625
NODE2586X	GENE1759X	NODE2493X	0.28924560546875
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NODE2589X	GENE1466X	NODE1794X	0.27996826171875
NODE2590X	NODE2539X	NODE2508X	0.278076171875
NODE2591X	NODE2545X	NODE2529X	0.27325439453125
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NODE2605X	NODE2541X	NODE2519X	0.2158203125
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NODE2607X	NODE2534X	NODE2417X	0.2056884765625
NODE2608X	NODE2527X	NODE2587X	0.204345703125
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NODE2616X	NODE2557X	GENE1409X	0.156982421875
NODE2617X	NODE2580X	NODE2536X	0.14898681640625
NODE2618X	NODE2589X	NODE2484X	0.14434814453125
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NODE2626X	NODE2603X	NODE2591X	0.09478759765625
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NODE2632X	NODE2614X	NODE2551X	0.058349609375
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NODE2637X	NODE2560X	NODE2590X	0.0035400390625
NODE2638X	NODE2558X	NODE2598X	-0.0023193359375
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NODE2642X	NODE2556X	NODE2611X	-0.05401611328125
NODE2643X	NODE2612X	NODE2619X	-0.0570068359375
NODE2644X	NODE2624X	NODE2563X	-0.06036376953125
NODE2645X	NODE2621X	NODE2602X	-0.0782470703125
NODE2646X	NODE2639X	NODE2596X	-0.0806884765625
NODE2647X	NODE2628X	NODE2607X	-0.082275390625
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NODE2652X	NODE2648X	NODE2641X	-0.16180419921875
NODE2653X	NODE2629X	NODE2608X	-0.17266845703125
NODE2654X	NODE2649X	NODE2620X	-0.1864013671875
NODE2655X	NODE2610X	NODE2631X	-0.197509765625
NODE2656X	NODE2650X	NODE2626X	-0.208984375
NODE2657X	NODE2636X	NODE2643X	-0.221435546875
NODE2658X	NODE2656X	NODE2633X	-0.2232666015625
NODE2659X	NODE2627X	NODE2625X	-0.25689697265625
NODE2660X	NODE2637X	NODE2638X	-0.26312255859375
NODE2661X	NODE2640X	NODE2647X	-0.26763916015625
NODE2662X	NODE2644X	NODE2605X	-0.27288818359375
NODE2663X	NODE2651X	NODE2642X	-0.2933349609375
NODE2664X	NODE2622X	NODE2618X	-0.311767578125
NODE2665X	NODE2652X	NODE2613X	-0.3934326171875
NODE2666X	NODE2659X	NODE2646X	-0.44537353515625
NODE2667X	NODE2653X	NODE2665X	-0.4530029296875
NODE2668X	NODE2645X	NODE2658X	-0.46063232421875
NODE2669X	NODE2664X	NODE2662X	-0.48321533203125
NODE2670X	NODE2657X	NODE2654X	-0.4915771484375
NODE2671X	NODE2661X	NODE2663X	-0.516845703125
NODE2672X	NODE2670X	NODE2655X	-0.577392578125
NODE2673X	NODE2669X	NODE2666X	-0.65106201171875
NODE2674X	NODE2660X	NODE2668X	-0.676025390625
NODE2675X	NODE2671X	NODE2667X	-0.71856689453125
NODE2676X	NODE2673X	NODE2674X	-0.83319091796875
NODE2677X	NODE2672X	NODE2675X	-0.92205810546875
NODE2678X	NODE2677X	NODE2676X	-0.98870849609375