

NODE1X	GENE709X	GENE708X	0.998291015625
NODE2X	GENE2382X	GENE2381X	0.99798583984375
NODE3X	GENE1951X	GENE1950X	0.99755859375
NODE4X	GENE1993X	GENE1198X	0.99749755859375
NODE5X	GENE1042X	GENE1712X	0.99737548828125
NODE6X	GENE2524X	GENE1737X	0.99737548828125
NODE7X	GENE2055X	GENE910X	0.9971923828125
NODE8X	GENE409X	GENE1459X	0.9970703125
NODE9X	GENE1476X	GENE1953X	0.9970703125
NODE10X	GENE926X	GENE815X	0.9969482421875
NODE11X	GENE2064X	GENE625X	0.996826171875
NODE12X	GENE662X	GENE661X	0.996826171875
NODE13X	GENE1927X	GENE1999X	0.996826171875
NODE14X	GENE829X	GENE619X	0.99664306640625
NODE15X	GENE2346X	GENE2500X	0.99664306640625
NODE16X	GENE1040X	GENE1494X	0.99658203125
NODE17X	GENE989X	GENE247X	0.99652099609375
NODE18X	GENE630X	GENE1695X	0.9964599609375
NODE19X	GENE806X	GENE2348X	0.9964599609375
NODE20X	GENE385X	GENE1982X	0.99639892578125
NODE21X	GENE1904X	GENE500X	0.996337890625
NODE22X	GENE1509X	GENE722X	0.996337890625
NODE23X	GENE1296X	NODE5X	0.996337890625
NODE24X	NODE8X	GENE265X	0.996337890625
NODE25X	GENE1356X	GENE271X	0.99627685546875
NODE26X	GENE2280X	GENE2279X	0.99627685546875
NODE27X	GENE1265X	GENE576X	0.9962158203125
NODE28X	GENE1070X	GENE1069X	0.9959716796875
NODE29X	GENE2031X	GENE1229X	0.9959716796875
NODE30X	GENE2637X	GENE2089X	0.9959716796875
NODE31X	GENE937X	GENE49X	0.9957275390625
NODE32X	GENE1592X	GENE791X	0.9957275390625
NODE33X	GENE1479X	GENE2696X	0.99560546875
NODE34X	GENE2199X	GENE2198X	0.99560546875
NODE35X	GENE2270X	GENE1304X	0.99554443359375
NODE36X	GENE1783X	GENE1784X	0.9954833984375
NODE37X	GENE1920X	GENE3X	0.99542236328125
NODE38X	GENE1469X	GENE1280X	0.99542236328125
NODE39X	GENE131X	GENE1350X	0.99530029296875
NODE40X	GENE623X	GENE1097X	0.9952392578125
NODE41X	GENE1581X	GENE1453X	0.9952392578125
NODE42X	GENE2362X	GENE2361X	0.9952392578125
NODE43X	GENE282X	GENE1964X	0.99517822265625
NODE44X	GENE304X	GENE1518X	0.9951171875
NODE45X	GENE1278X	GENE1139X	0.9949951171875
NODE46X	GENE2032X	GENE2421X	0.9949951171875
NODE47X	GENE2112X	GENE2200X	0.9949951171875
NODE48X	GENE1914X	GENE1126X	0.99493408203125
NODE49X	GENE2460X	GENE2461X	0.99493408203125
NODE50X	GENE2641X	GENE2642X	0.9947509765625
NODE51X	GENE874X	GENE2092X	0.99468994140625
NODE52X	GENE801X	GENE2058X	0.99462890625
NODE53X	GENE2462X	GENE2473X	0.99462890625
NODE54X	GENE97X	GENE1415X	0.9945068359375
NODE55X	GENE2130X	GENE249X	0.9945068359375
NODE56X	GENE642X	GENE556X	0.9945068359375
NODE57X	GENE1432X	GENE1507X	0.9945068359375

NODE58X	GENE1140X	GENE1723X	0.99444580078125
NODE59X	GENE1926X	GENE1923X	0.99444580078125
NODE60X	GENE1317X	GENE1112X	0.994384765625
NODE61X	GENE1929X	GENE1640X	0.99432373046875
NODE62X	GENE498X	GENE1349X	0.9942626953125
NODE63X	GENE691X	GENE936X	0.9942626953125
NODE64X	GENE1458X	GENE2002X	0.9942626953125
NODE65X	GENE1756X	GENE1766X	0.9942626953125
NODE66X	NODE15X	GENE2271X	0.9942626953125
NODE67X	GENE1068X	GENE588X	0.99420166015625
NODE68X	GENE2284X	GENE1053X	0.99420166015625
NODE69X	GENE78X	GENE2467X	0.994140625
NODE70X	GENE2434X	GENE1462X	0.99407958984375
NODE71X	GENE390X	GENE1711X	0.9940185546875
NODE72X	GENE1726X	GENE1057X	0.9940185546875
NODE73X	GENE2463X	GENE1089X	0.9940185546875
NODE74X	GENE2452X	GENE1263X	0.99395751953125
NODE75X	GENE1300X	GENE1444X	0.99395751953125
NODE76X	GENE1990X	GENE1985X	0.99395751953125
NODE77X	GENE2132X	NODE53X	0.993896484375
NODE78X	GENE139X	GENE140X	0.99371337890625
NODE79X	GENE1179X	GENE2078X	0.99371337890625
NODE80X	GENE2648X	GENE2638X	0.99371337890625
NODE81X	GENE2152X	GENE1267X	0.99365234375
NODE82X	GENE1346X	GENE1192X	0.99359130859375
NODE83X	GENE2069X	GENE2247X	0.99359130859375
NODE84X	GENE760X	GENE1099X	0.9935302734375
NODE85X	GENE1928X	GENE1174X	0.9935302734375
NODE86X	GENE1330X	GENE1786X	0.9935302734375
NODE87X	GENE1483X	GENE1649X	0.9935302734375
NODE88X	GENE2449X	GENE2450X	0.9935302734375
NODE89X	GENE893X	GENE1663X	0.993408203125
NODE90X	GENE575X	GENE34X	0.99334716796875
NODE91X	GENE2104X	NODE37X	0.9932861328125
NODE92X	GENE488X	GENE1425X	0.9931640625
NODE93X	GENE1912X	GENE718X	0.99310302734375
NODE94X	NODE49X	NODE6X	0.99310302734375
NODE95X	GENE2202X	GENE744X	0.9930419921875
NODE96X	GENE343X	GENE1472X	0.99298095703125
NODE97X	GENE1961X	GENE2075X	0.99298095703125
NODE98X	GENE582X	GENE2527X	0.992919921875
NODE99X	GENE1431X	NODE43X	0.992919921875
NODE100X	GENE1026X	GENE53X	0.99285888671875
NODE101X	GENE2161X	GENE1181X	0.99285888671875
NODE102X	NODE13X	NODE7X	0.99285888671875
NODE103X	GENE2710X	GENE1343X	0.99273681640625
NODE104X	GENE1195X	GENE2714X	0.99267578125
NODE105X	GENE104X	GENE601X	0.99261474609375
NODE106X	GENE854X	GENE1233X	0.99261474609375
NODE107X	GENE2134X	GENE2219X	0.99249267578125
NODE108X	GENE1009X	GENE564X	0.992431640625
NODE109X	GENE2086X	NODE35X	0.992431640625
NODE110X	GENE2501X	NODE16X	0.992431640625
NODE111X	GENE1755X	GENE76X	0.99237060546875
NODE112X	NODE61X	GENE535X	0.99237060546875
NODE113X	GENE1880X	GENE768X	0.99237060546875
NODE114X	GENE1818X	GENE2712X	0.99237060546875

NODE115X	GENE2298X	GENE1109X	0.9923095703125
NODE116X	GENE2008X	GENE1390X	0.9923095703125
NODE117X	GENE2502X	GENE26X	0.9921875
NODE118X	GENE2164X	GENE539X	0.9921875
NODE119X	GENE1090X	GENE641X	0.9921875
NODE120X	GENE569X	GENE1510X	0.99212646484375
NODE121X	GENE1760X	GENE833X	0.99212646484375
NODE122X	GENE124X	GENE367X	0.9920654296875
NODE123X	GENE1293X	GENE1782X	0.9920654296875
NODE124X	NODE23X	GENE1644X	0.9920654296875
NODE125X	GENE1780X	GENE2395X	0.9920654296875
NODE126X	GENE1975X	NODE18X	0.9920654296875
NODE127X	GENE857X	GENE1452X	0.99200439453125
NODE128X	NODE51X	GENE2415X	0.99200439453125
NODE129X	GENE2509X	GENE2400X	0.991943359375
NODE130X	NODE9X	GENE1875X	0.991943359375
NODE131X	NODE45X	GENE45X	0.991943359375
NODE132X	GENE741X	GENE2352X	0.9918212890625
NODE133X	GENE1291X	GENE1292X	0.9918212890625
NODE134X	GENE1559X	GENE2054X	0.99176025390625
NODE135X	NODE52X	NODE48X	0.99169921875
NODE136X	GENE2010X	NODE21X	0.99163818359375
NODE137X	GENE1954X	GENE952X	0.9915771484375
NODE138X	GENE2299X	GENE986X	0.9915771484375
NODE139X	GENE2428X	GENE1552X	0.9915771484375
NODE140X	GENE1530X	GENE103X	0.99151611328125
NODE141X	GENE1030X	GENE533X	0.991455078125
NODE142X	GENE214X	GENE220X	0.99139404296875
NODE143X	GENE1341X	GENE2723X	0.99139404296875
NODE144X	NODE54X	GENE2611X	0.99139404296875
NODE145X	GENE2596X	GENE472X	0.9913330078125
NODE146X	NODE20X	GENE1226X	0.9913330078125
NODE147X	GENE1395X	GENE1705X	0.9913330078125
NODE148X	GENE1567X	GENE1525X	0.9913330078125
NODE149X	GENE1577X	GENE1832X	0.9913330078125
NODE150X	GENE73X	GENE2437X	0.99127197265625
NODE151X	GENE2179X	GENE2542X	0.99127197265625
NODE152X	GENE2430X	GENE2206X	0.99127197265625
NODE153X	GENE1434X	GENE1924X	0.9912109375
NODE154X	GENE416X	GENE1602X	0.99114990234375
NODE155X	GENE1307X	GENE2572X	0.99114990234375
NODE156X	GENE29X	GENE21X	0.9910888671875
NODE157X	GENE713X	GENE1981X	0.9910888671875
NODE158X	GENE1325X	GENE590X	0.99102783203125
NODE159X	GENE2630X	GENE793X	0.99102783203125
NODE160X	GENE2472X	NODE142X	0.99102783203125
NODE161X	GENE649X	GENE2459X	0.990966796875
NODE162X	GENE845X	GENE1493X	0.990966796875
NODE163X	GENE2178X	GENE2534X	0.990966796875
NODE164X	NODE4X	GENE1202X	0.99090576171875
NODE165X	GENE2326X	GENE1211X	0.99090576171875
NODE166X	GENE1822X	GENE2041X	0.99090576171875
NODE167X	NODE42X	GENE2209X	0.99090576171875
NODE168X	GENE1446X	GENE1795X	0.9908447265625
NODE169X	GENE1473X	GENE2105X	0.9908447265625
NODE170X	GENE1528X	GENE1819X	0.9908447265625
NODE171X	GENE1X	GENE399X	0.99078369140625

NODE172X	GENE1157X	GENE1708X	0.99078369140625
NODE173X	GENE1654X	GENE1236X	0.99078369140625
NODE174X	GENE633X	GENE634X	0.99072265625
NODE175X	GENE1457X	GENE2719X	0.99072265625
NODE176X	GENE1440X	GENE14X	0.99066162109375
NODE177X	GENE27X	GENE357X	0.99066162109375
NODE178X	GENE40X	GENE622X	0.99066162109375
NODE179X	GENE286X	GENE725X	0.99066162109375
NODE180X	GENE551X	GENE1445X	0.99066162109375
NODE181X	GENE660X	NODE30X	0.99066162109375
NODE182X	GENE1454X	GENE1272X	0.99066162109375
NODE183X	GENE233X	GENE1908X	0.9906005859375
NODE184X	GENE2491X	GENE1283X	0.9906005859375
NODE185X	GENE1533X	GENE1895X	0.9906005859375
NODE186X	GENE2131X	GENE2080X	0.9906005859375
NODE187X	GENE239X	GENE238X	0.99053955078125
NODE188X	NODE102X	GENE1765X	0.99053955078125
NODE189X	GENE552X	GENE579X	0.990478515625
NODE190X	GENE2560X	GENE871X	0.990478515625
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NODE193X	GENE615X	GENE69X	0.99041748046875
NODE194X	GENE1829X	GENE2186X	0.99041748046875
NODE195X	GENE2043X	GENE1992X	0.99041748046875
NODE196X	NODE32X	NODE10X	0.99041748046875
NODE197X	GENE1631X	GENE22X	0.9903564453125
NODE198X	GENE283X	GENE2677X	0.9903564453125
NODE199X	GENE2221X	GENE1004X	0.9903564453125
NODE200X	NODE2X	GENE1984X	0.9903564453125
NODE201X	GENE1917X	GENE2295X	0.99029541015625
NODE202X	NODE38X	NODE33X	0.99029541015625
NODE203X	GENE1167X	GENE1586X	0.990234375
NODE204X	GENE2294X	GENE1497X	0.990234375
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NODE206X	GENE1870X	GENE974X	0.99017333984375
NODE207X	GENE1448X	NODE17X	0.99017333984375
NODE208X	GENE72X	NODE100X	0.9901123046875
NODE209X	GENE489X	GENE2332X	0.9901123046875
NODE210X	GENE2123X	GENE666X	0.9901123046875
NODE211X	GENE1010X	GENE2341X	0.9901123046875
NODE212X	GENE1949X	GENE1616X	0.99005126953125
NODE213X	GENE961X	GENE270X	0.989990234375
NODE214X	GENE862X	GENE387X	0.989990234375
NODE215X	GENE991X	GENE911X	0.98992919921875
NODE216X	GENE2396X	GENE1882X	0.98992919921875
NODE217X	GENE1285X	NODE75X	0.9898681640625
NODE218X	NODE155X	GENE2319X	0.9898681640625
NODE219X	GENE2093X	GENE1554X	0.98980712890625
NODE220X	GENE2079X	GENE207X	0.98974609375
NODE221X	GENE1851X	GENE445X	0.98974609375
NODE222X	GENE1680X	GENE517X	0.98974609375
NODE223X	GENE651X	GENE1490X	0.98974609375
NODE224X	GENE2474X	NODE107X	0.98974609375
NODE225X	GENE208X	GENE545X	0.98968505859375
NODE226X	GENE714X	GENE920X	0.98968505859375
NODE227X	GENE2399X	GENE2371X	0.98968505859375
NODE228X	NODE40X	NODE29X	0.98968505859375

NODE229X	GENE23X	NODE91X	0.9896240234375
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NODE231X	GENE1856X	GENE2005X	0.9896240234375
NODE232X	GENE1073X	GENE547X	0.98956298828125
NODE233X	GENE736X	GENE973X	0.98956298828125
NODE234X	GENE2539X	GENE1086X	0.98956298828125
NODE235X	GENE2592X	GENE1855X	0.98956298828125
NODE236X	NODE64X	GENE2024X	0.98956298828125
NODE237X	GENE1913X	GENE335X	0.98944091796875
NODE238X	GENE469X	GENE2385X	0.98944091796875
NODE239X	GENE941X	GENE1778X	0.98944091796875
NODE240X	GENE1393X	GENE1111X	0.98944091796875
NODE241X	GENE2457X	GENE1573X	0.98944091796875
NODE242X	GENE819X	GENE573X	0.9893798828125
NODE243X	GENE600X	GENE1000X	0.9893798828125
NODE244X	GENE1721X	GENE1752X	0.9893798828125
NODE245X	GENE2517X	GENE2410X	0.9893798828125
NODE246X	GENE2325X	GENE1589X	0.98931884765625
NODE247X	GENE2470X	NODE133X	0.98931884765625
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NODE250X	GENE2711X	GENE30X	0.9892578125
NODE251X	GENE2257X	GENE473X	0.9892578125
NODE252X	GENE2364X	GENE1165X	0.9892578125
NODE253X	GENE1699X	GENE2163X	0.9892578125
NODE254X	GENE2351X	GENE667X	0.98919677734375
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NODE256X	GENE1295X	GENE1973X	0.9891357421875
NODE257X	GENE2100X	GENE1865X	0.9891357421875
NODE258X	GENE332X	GENE2230X	0.98907470703125
NODE259X	GENE956X	NODE130X	0.98907470703125
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NODE261X	GENE1611X	GENE1668X	0.989013671875
NODE262X	GENE1316X	GENE1776X	0.98895263671875
NODE263X	GENE1367X	GENE401X	0.9888916015625
NODE264X	GENE555X	GENE1793X	0.9888916015625
NODE265X	GENE1150X	GENE1171X	0.9888916015625
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NODE268X	GENE1750X	GENE493X	0.98876953125
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NODE270X	GENE2436X	GENE1902X	0.98876953125
NODE271X	GENE2224X	GENE890X	0.98870849609375
NODE272X	NODE24X	GENE2292X	0.98870849609375
NODE273X	GENE451X	GENE32X	0.9886474609375
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NODE275X	GENE2715X	GENE593X	0.98858642578125
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NODE278X	GENE2171X	GENE542X	0.988525390625
NODE279X	GENE2042X	NODE126X	0.988525390625
NODE280X	GENE1081X	GENE1224X	0.98846435546875
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NODE282X	GENE1732X	GENE1731X	0.98846435546875
NODE283X	GENE1918X	NODE124X	0.98846435546875
NODE284X	GENE2429X	NODE192X	0.98846435546875
NODE285X	GENE1200X	GENE318X	0.9884033203125

NODE286X	GENE330X	GENE2119X	0.9884033203125
NODE287X	GENE466X	GENE437X	0.9884033203125
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NODE291X	NODE136X	NODE44X	0.98828125
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NODE293X	GENE1956X	GENE93X	0.9881591796875
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NODE295X	GENE1653X	GENE1152X	0.9881591796875
NODE296X	GENE842X	GENE2004X	0.98809814453125
NODE297X	GENE2276X	GENE2532X	0.98809814453125
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NODE301X	GENE730X	GENE1802X	0.988037109375
NODE302X	GENE739X	GENE2254X	0.98797607421875
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NODE305X	GENE1501X	GENE2603X	0.9879150390625
NODE306X	GENE2496X	GENE2520X	0.9879150390625
NODE307X	GENE2622X	GENE2679X	0.9879150390625
NODE308X	GENE629X	GENE417X	0.98785400390625
NODE309X	GENE550X	GENE1196X	0.98785400390625
NODE310X	GENE2713X	GENE2543X	0.98785400390625
NODE311X	NODE81X	NODE167X	0.98785400390625
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NODE313X	GENE2052X	GENE1468X	0.98779296875
NODE314X	GENE2523X	GENE2522X	0.98779296875
NODE315X	GENE905X	GENE2569X	0.98773193359375
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NODE317X	GENE1428X	GENE2573X	0.98773193359375
NODE318X	GENE1591X	GENE1590X	0.98773193359375
NODE319X	GENE490X	GENE266X	0.98760986328125
NODE320X	GENE1729X	GENE1730X	0.98760986328125
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NODE322X	GENE303X	GENE302X	0.987548828125
NODE323X	GENE530X	NODE62X	0.987548828125
NODE324X	GENE1544X	GENE1301X	0.987548828125
NODE325X	NODE138X	GENE157X	0.98748779296875
NODE326X	GENE1598X	GENE2258X	0.98748779296875
NODE327X	GENE1915X	GENE1841X	0.9874267578125
NODE328X	GENE2212X	GENE2214X	0.9874267578125
NODE329X	GENE1204X	GENE376X	0.98736572265625
NODE330X	GENE398X	GENE2607X	0.98736572265625
NODE331X	GENE1749X	GENE2091X	0.98736572265625
NODE332X	GENE96X	GENE2320X	0.9873046875
NODE333X	GENE274X	GENE275X	0.9873046875
NODE334X	GENE742X	GENE2027X	0.9873046875
NODE335X	GENE477X	NODE143X	0.98724365234375
NODE336X	GENE1357X	NODE39X	0.9871826171875
NODE337X	GENE2495X	GENE1774X	0.9871826171875
NODE338X	GENE1809X	GENE2018X	0.9871826171875
NODE339X	GENE264X	GENE258X	0.98712158203125
NODE340X	GENE2030X	GENE607X	0.98712158203125
NODE341X	GENE1077X	GENE1860X	0.98712158203125
NODE342X	GENE1894X	GENE1862X	0.98712158203125

NODE343X	GENE13X	GENE1021X	0.987060546875
NODE344X	GENE2357X	GENE2255X	0.987060546875
NODE345X	GENE1788X	GENE1787X	0.98699951171875
NODE346X	NODE76X	NODE65X	0.98699951171875
NODE347X	NODE109X	NODE67X	0.9869384765625
NODE348X	GENE1709X	GENE2432X	0.98687744140625
NODE349X	GENE2173X	GENE1266X	0.98681640625
NODE350X	GENE594X	GENE2150X	0.98675537109375
NODE351X	GENE166X	GENE2628X	0.9866943359375
NODE352X	GENE2546X	GENE776X	0.9866943359375
NODE353X	GENE2608X	GENE1498X	0.9866943359375
NODE354X	GENE2510X	GENE2588X	0.9866943359375
NODE355X	GENE2547X	NODE199X	0.9866943359375
NODE356X	GENE2579X	GENE970X	0.98663330078125
NODE357X	GENE1239X	GENE1612X	0.98663330078125
NODE358X	GENE2050X	GENE1504X	0.98663330078125
NODE359X	GENE1753X	GENE2149X	0.98663330078125
NODE360X	GENE1922X	NODE153X	0.98663330078125
NODE361X	GENE2540X	GENE2485X	0.98663330078125
NODE362X	NODE291X	NODE181X	0.98663330078125
NODE363X	GENE919X	GENE1738X	0.986572265625
NODE364X	NODE260X	GENE1368X	0.986572265625
NODE365X	NODE63X	GENE2576X	0.986572265625
NODE366X	GENE1759X	GENE1156X	0.98651123046875
NODE367X	GENE2477X	GENE2251X	0.98651123046875
NODE368X	GENE610X	GENE1684X	0.9864501953125
NODE369X	GENE750X	GENE1284X	0.98638916015625
NODE370X	GENE568X	GENE930X	0.986328125
NODE371X	NODE140X	GENE703X	0.986328125
NODE372X	GENE1063X	GENE1599X	0.986328125
NODE373X	GENE1403X	NODE68X	0.986328125
NODE374X	GENE1549X	GENE2125X	0.986328125
NODE375X	NODE223X	GENE2167X	0.986328125
NODE376X	NODE55X	NODE77X	0.986328125
NODE377X	GENE2236X	GENE244X	0.98626708984375
NODE378X	GENE749X	GENE1216X	0.98626708984375
NODE379X	GENE927X	GENE2301X	0.98626708984375
NODE380X	GENE2694X	GENE2609X	0.98626708984375
NODE381X	GENE189X	GENE2235X	0.9862060546875
NODE382X	GENE1043X	GENE218X	0.9862060546875
NODE383X	GENE2X	GENE2285X	0.98614501953125
NODE384X	GENE944X	GENE2674X	0.986083984375
NODE385X	GENE2424X	GENE1873X	0.986083984375
NODE386X	GENE2367X	GENE2063X	0.986083984375
NODE387X	GENE1214X	GENE2565X	0.98602294921875
NODE388X	NODE232X	GENE242X	0.98602294921875
NODE389X	GENE278X	GENE1876X	0.98590087890625
NODE390X	GENE1352X	GENE1670X	0.98590087890625
NODE391X	NODE175X	GENE679X	0.98590087890625
NODE392X	GENE1062X	GENE362X	0.98583984375
NODE393X	GENE1421X	GENE2516X	0.98583984375
NODE394X	GENE2095X	NODE34X	0.98583984375
NODE395X	GENE2232X	GENE68X	0.98577880859375
NODE396X	GENE1160X	GENE1608X	0.98577880859375
NODE397X	GENE1436X	NODE197X	0.98577880859375
NODE398X	GENE2559X	GENE2252X	0.98577880859375
NODE399X	GENE586X	GENE847X	0.9857177734375

NODE400X	GENE2492X	GENE767X	0.9857177734375
NODE401X	GENE2309X	NODE248X	0.9857177734375
NODE402X	GENE46X	GENE834X	0.985595703125
NODE403X	GENE1517X	NODE208X	0.985595703125
NODE404X	GENE903X	GENE2046X	0.98553466796875
NODE405X	GENE800X	NODE207X	0.98553466796875
NODE406X	GENE2071X	GENE663X	0.9854736328125
NODE407X	GENE1694X	GENE1210X	0.9854736328125
NODE408X	GENE581X	GENE1575X	0.98541259765625
NODE409X	GENE1637X	GENE1005X	0.9853515625
NODE410X	GENE2392X	NODE122X	0.9853515625
NODE411X	NODE275X	GENE1050X	0.9853515625
NODE412X	NODE254X	GENE2635X	0.98529052734375
NODE413X	NODE164X	GENE784X	0.9852294921875
NODE414X	GENE1351X	NODE186X	0.9852294921875
NODE415X	NODE104X	NODE203X	0.9852294921875
NODE416X	GENE125X	GENE1607X	0.98516845703125
NODE417X	GENE175X	GENE1960X	0.985107421875
NODE418X	GENE479X	GENE331X	0.985107421875
NODE419X	NODE196X	NODE236X	0.985107421875
NODE420X	GENE1302X	GENE33X	0.98504638671875
NODE421X	NODE1X	GENE406X	0.98504638671875
NODE422X	GENE90X	NODE95X	0.98492431640625
NODE423X	NODE154X	GENE414X	0.98486328125
NODE424X	GENE1727X	GENE761X	0.98486328125
NODE425X	GENE2567X	GENE2244X	0.98486328125
NODE426X	NODE230X	NODE269X	0.98486328125
NODE427X	GENE1745X	GENE119X	0.98480224609375
NODE428X	GENE2108X	NODE294X	0.98480224609375
NODE429X	NODE28X	NODE92X	0.98480224609375
NODE430X	GENE1405X	GENE485X	0.9847412109375
NODE431X	GENE1333X	GENE1471X	0.9847412109375
NODE432X	GENE2619X	GENE1678X	0.9847412109375
NODE433X	NODE103X	GENE1955X	0.9847412109375
NODE434X	GENE1185X	GENE423X	0.98468017578125
NODE435X	GENE810X	GENE1118X	0.984619140625
NODE436X	NODE83X	GENE2248X	0.984619140625
NODE437X	NODE171X	NODE233X	0.984619140625
NODE438X	GENE380X	GENE1275X	0.9844970703125
NODE439X	GENE459X	GENE495X	0.9844970703125
NODE440X	GENE1252X	GENE638X	0.9844970703125
NODE441X	GENE559X	GENE128X	0.98443603515625
NODE442X	GENE837X	GENE518X	0.98443603515625
NODE443X	GENE1676X	GENE2687X	0.98443603515625
NODE444X	GENE329X	GENE1332X	0.984375
NODE445X	GENE1031X	GENE1108X	0.984375
NODE446X	NODE271X	GENE999X	0.98431396484375
NODE447X	GENE940X	GENE1047X	0.9842529296875
NODE448X	NODE173X	GENE1396X	0.9842529296875
NODE449X	GENE2127X	GENE2409X	0.9842529296875
NODE450X	NODE267X	NODE146X	0.9842529296875
NODE451X	GENE1539X	GENE1374X	0.98419189453125
NODE452X	NODE239X	GENE99X	0.98419189453125
NODE453X	GENE521X	NODE262X	0.98419189453125
NODE454X	GENE786X	GENE272X	0.984130859375
NODE455X	NODE139X	GENE1770X	0.984130859375
NODE456X	GENE1003X	GENE1075X	0.98406982421875

NODE457X	GENE2129X	NODE99X	0.9840087890625
NODE458X	NODE128X	GENE2414X	0.9840087890625
NODE459X	NODE12X	NODE234X	0.9840087890625
NODE460X	GENE1044X	GENE1379X	0.98394775390625
NODE461X	GENE2512X	GENE1061X	0.98394775390625
NODE462X	GENE1706X	GENE2262X	0.98394775390625
NODE463X	GENE2098X	GENE2062X	0.98394775390625
NODE464X	GENE2114X	GENE2210X	0.98394775390625
NODE465X	NODE147X	GENE2706X	0.98394775390625
NODE466X	GENE55X	GENE132X	0.98388671875
NODE467X	GENE1502X	GENE2605X	0.98388671875
NODE468X	NODE303X	NODE120X	0.98388671875
NODE469X	GENE2101X	GENE2481X	0.98382568359375
NODE470X	GENE1151X	GENE2260X	0.9837646484375
NODE471X	NODE105X	GENE1854X	0.9837646484375
NODE472X	GENE377X	GENE1083X	0.98370361328125
NODE473X	GENE1665X	GENE979X	0.98370361328125
NODE474X	GENE2226X	GENE996X	0.98370361328125
NODE475X	NODE305X	GENE2126X	0.98358154296875
NODE476X	GENE443X	GENE444X	0.9835205078125
NODE477X	GENE1672X	GENE727X	0.9835205078125
NODE478X	GENE1104X	GENE1834X	0.9835205078125
NODE479X	GENE2022X	GENE1102X	0.98345947265625
NODE480X	NODE25X	NODE157X	0.98345947265625
NODE481X	GENE1866X	GENE2338X	0.9833984375
NODE482X	GENE2083X	GENE904X	0.98333740234375
NODE483X	GENE1212X	GENE1380X	0.98333740234375
NODE484X	GENE391X	NODE71X	0.9832763671875
NODE485X	NODE221X	NODE60X	0.98321533203125
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NODE487X	GENE2453X	GENE855X	0.983154296875
NODE488X	NODE137X	GENE1401X	0.983154296875
NODE489X	NODE69X	GENE2003X	0.983154296875
NODE490X	GENE563X	NODE215X	0.983154296875
NODE491X	NODE433X	NODE116X	0.98309326171875
NODE492X	NODE168X	NODE315X	0.98309326171875
NODE493X	GENE62X	GENE656X	0.9830322265625
NODE494X	NODE108X	GENE565X	0.9830322265625
NODE495X	GENE969X	GENE67X	0.98297119140625
NODE496X	GENE769X	GENE1524X	0.98297119140625
NODE497X	NODE165X	NODE290X	0.98297119140625
NODE498X	GENE52X	GENE1101X	0.98291015625
NODE499X	GENE1391X	GENE774X	0.98291015625
NODE500X	GENE1868X	NODE46X	0.98291015625
NODE501X	GENE142X	GENE1606X	0.98284912109375
NODE502X	GENE1572X	GENE1571X	0.98284912109375
NODE503X	GENE2552X	GENE1407X	0.98272705078125
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NODE506X	GENE236X	GENE543X	0.982666015625
NODE507X	GENE276X	NODE211X	0.982666015625
NODE508X	NODE200X	GENE1936X	0.982666015625
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NODE510X	GENE1105X	NODE66X	0.98260498046875
NODE511X	GENE2345X	GENE1382X	0.98260498046875
NODE512X	NODE150X	GENE1576X	0.98260498046875
NODE513X	GENE1013X	NODE80X	0.9825439453125

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NODE515X	GENE2111X	GENE85X	0.98236083984375
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NODE517X	NODE56X	GENE1542X	0.98236083984375
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NODE522X	NODE272X	NODE188X	0.9822998046875
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NODE527X	GENE373X	GENE1456X	0.9820556640625
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NODE530X	GENE15X	GENE1375X	0.98199462890625
NODE531X	NODE170X	GENE1817X	0.98193359375
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NODE533X	GENE160X	GENE446X	0.98187255859375
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NODE535X	GENE879X	NODE249X	0.98187255859375
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NODE538X	GENE1777X	NODE452X	0.98187255859375
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NODE546X	NODE417X	GENE408X	0.9815673828125
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NODE552X	NODE217X	GENE977X	0.9814453125
NODE553X	GENE1417X	GENE2273X	0.9814453125
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NODE555X	GENE653X	GENE1553X	0.9813232421875
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NODE558X	GENE2286X	GENE2627X	0.98126220703125
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NODE560X	NODE151X	GENE1849X	0.981201171875
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NODE626X	NODE388X	GENE1153X	0.979248046875
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NODE628X	NODE87X	GENE1508X	0.979248046875
NODE629X	GENE2315X	NODE222X	0.979248046875
NODE630X	GENE2250X	NODE348X	0.979248046875
NODE631X	NODE179X	GENE621X	0.97918701171875
NODE632X	GENE2143X	GENE803X	0.97918701171875
NODE633X	NODE324X	GENE737X	0.9791259765625
NODE634X	NODE310X	NODE449X	0.97906494140625
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NODE643X	NODE394X	GENE678X	0.97869873046875
NODE644X	NODE149X	NODE256X	0.97869873046875
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NODE661X	NODE427X	GENE418X	0.97796630859375
NODE662X	GENE706X	GENE1837X	0.97796630859375
NODE663X	GENE2269X	GENE2317X	0.97796630859375
NODE664X	NODE172X	NODE244X	0.97796630859375
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NODE666X	GENE222X	GENE2398X	0.97784423828125
NODE667X	GENE1366X	GENE560X	0.97784423828125
NODE668X	GENE2207X	NODE79X	0.977783203125
NODE669X	GENE109X	GENE1217X	0.97772216796875
NODE670X	GENE2060X	GENE1625X	0.97772216796875
NODE671X	NODE353X	GENE384X	0.97772216796875
NODE672X	GENE2223X	GENE2145X	0.9776611328125
NODE673X	GENE715X	NODE345X	0.97760009765625
NODE674X	NODE206X	NODE494X	0.97760009765625
NODE675X	NODE156X	NODE276X	0.9775390625
NODE676X	NODE480X	NODE237X	0.9775390625
NODE677X	GENE901X	NODE441X	0.9775390625
NODE678X	GENE494X	GENE898X	0.97747802734375
NODE679X	NODE513X	NODE193X	0.97747802734375
NODE680X	GENE1115X	GENE231X	0.9774169921875
NODE681X	GENE2120X	NODE11X	0.9774169921875
NODE682X	GENE848X	GENE628X	0.97735595703125
NODE683X	GENE1805X	GENE425X	0.977294921875
NODE684X	GENE719X	GENE2526X	0.977294921875

NODE685X	GENE178X	GENE1609X	0.97723388671875
NODE686X	GENE1751X	GENE358X	0.97723388671875
NODE687X	GENE1593X	NODE384X	0.97723388671875
NODE688X	GENE2001X	NODE359X	0.97723388671875
NODE689X	GENE480X	GENE1154X	0.9771728515625
NODE690X	GENE2187X	GENE2389X	0.9771728515625
NODE691X	NODE308X	NODE263X	0.97711181640625
NODE692X	GENE523X	NODE372X	0.97711181640625
NODE693X	GENE1480X	GENE672X	0.97705078125
NODE694X	GENE1623X	GENE959X	0.97705078125
NODE695X	GENE1561X	GENE580X	0.9769287109375
NODE696X	GENE441X	GENE966X	0.976806640625
NODE697X	NODE316X	NODE123X	0.976806640625
NODE698X	GENE501X	NODE597X	0.97674560546875
NODE699X	GENE992X	GENE825X	0.9766845703125
NODE700X	GENE1199X	GENE1703X	0.9766845703125
NODE701X	GENE1384X	NODE431X	0.9766845703125
NODE702X	GENE2222X	GENE2583X	0.9766845703125
NODE703X	NODE227X	GENE279X	0.97662353515625
NODE704X	GENE2048X	GENE356X	0.97662353515625
NODE705X	GENE2427X	GENE755X	0.97662353515625
NODE706X	GENE1355X	GENE449X	0.9764404296875
NODE707X	GENE984X	GENE1888X	0.9764404296875
NODE708X	GENE1919X	NODE405X	0.9764404296875
NODE709X	NODE470X	NODE596X	0.9764404296875
NODE710X	GENE2229X	GENE95X	0.97637939453125
NODE711X	NODE379X	GENE476X	0.97637939453125
NODE712X	GENE585X	NODE450X	0.97637939453125
NODE713X	NODE436X	GENE2594X	0.976318359375
NODE714X	NODE288X	GENE2391X	0.976318359375
NODE715X	GENE1734X	NODE158X	0.97625732421875
NODE716X	NODE429X	NODE362X	0.97625732421875
NODE717X	NODE285X	NODE653X	0.97625732421875
NODE718X	GENE844X	GENE2342X	0.9761962890625
NODE719X	NODE462X	GENE1800X	0.9761962890625
NODE720X	NODE556X	GENE811X	0.9761962890625
NODE721X	GENE875X	NODE654X	0.9761962890625
NODE722X	GENE393X	NODE539X	0.97607421875
NODE723X	NODE529X	NODE509X	0.97607421875
NODE724X	GENE322X	NODE131X	0.97601318359375
NODE725X	GENE2297X	GENE1713X	0.97601318359375
NODE726X	NODE519X	GENE1627X	0.97601318359375
NODE727X	NODE453X	NODE255X	0.9759521484375
NODE728X	NODE259X	NODE325X	0.9759521484375
NODE729X	GENE290X	GENE291X	0.97589111328125
NODE730X	GENE2537X	GENE1763X	0.97589111328125
NODE731X	NODE525X	NODE504X	0.97589111328125
NODE732X	NODE258X	GENE2369X	0.975830078125
NODE733X	NODE465X	GENE1338X	0.975830078125
NODE734X	GENE1681X	GENE1242X	0.97576904296875
NODE735X	NODE356X	NODE74X	0.97576904296875
NODE736X	GENE2374X	GENE48X	0.9757080078125
NODE737X	NODE567X	GENE1527X	0.9757080078125
NODE738X	NODE327X	GENE351X	0.97564697265625
NODE739X	GENE1587X	GENE364X	0.97564697265625
NODE740X	GENE1348X	GENE808X	0.97564697265625
NODE741X	NODE250X	GENE1821X	0.9755859375

NODE742X	GENE1258X	GENE379X	0.97552490234375
NODE743X	GENE509X	GENE836X	0.975341796875
NODE744X	GENE887X	NODE459X	0.975341796875
NODE745X	GENE770X	GENE394X	0.97528076171875
NODE746X	GENE606X	GENE998X	0.97528076171875
NODE747X	GENE1184X	NODE351X	0.97528076171875
NODE748X	NODE235X	NODE422X	0.97528076171875
NODE749X	GENE2360X	GENE10X	0.9752197265625
NODE750X	GENE240X	GENE228X	0.9752197265625
NODE751X	NODE279X	NODE531X	0.97515869140625
NODE752X	GENE2618X	NODE432X	0.97509765625
NODE753X	NODE228X	NODE497X	0.97509765625
NODE754X	NODE505X	GENE1194X	0.97503662109375
NODE755X	NODE466X	NODE600X	0.97503662109375
NODE756X	GENE1966X	GENE316X	0.9749755859375
NODE757X	GENE338X	NODE334X	0.9749755859375
NODE758X	GENE369X	GENE2621X	0.9749755859375
NODE759X	GENE136X	GENE1354X	0.97491455078125
NODE760X	GENE2574X	GENE427X	0.97491455078125
NODE761X	GENE1082X	GENE2081X	0.97491455078125
NODE762X	GENE2558X	GENE2402X	0.97491455078125
NODE763X	NODE72X	NODE586X	0.974853515625
NODE764X	NODE671X	GENE281X	0.974853515625
NODE765X	GENE1947X	NODE444X	0.97479248046875
NODE766X	GENE106X	NODE198X	0.9747314453125
NODE767X	GENE946X	NODE457X	0.9747314453125
NODE768X	GENE626X	GENE1996X	0.97467041015625
NODE769X	GENE2059X	GENE2384X	0.97467041015625
NODE770X	NODE264X	NODE473X	0.97467041015625
NODE771X	GENE1630X	GENE502X	0.97442626953125
NODE772X	GENE1892X	GENE1743X	0.97442626953125
NODE773X	NODE508X	GENE167X	0.974365234375
NODE774X	NODE411X	GENE481X	0.974365234375
NODE775X	NODE370X	GENE778X	0.974365234375
NODE776X	GENE16X	GENE1056X	0.97430419921875
NODE777X	GENE234X	GENE2029X	0.97430419921875
NODE778X	GENE558X	GENE571X	0.97430419921875
NODE779X	GENE1628X	GENE1499X	0.97430419921875
NODE780X	GENE2336X	GENE1839X	0.9742431640625
NODE781X	GENE1261X	GENE702X	0.97418212890625
NODE782X	GENE2049X	NODE358X	0.97418212890625
NODE783X	GENE2194X	GENE2507X	0.97418212890625
NODE784X	NODE572X	GENE235X	0.97412109375
NODE785X	NODE212X	NODE626X	0.97412109375
NODE786X	GENE1633X	GENE2009X	0.97406005859375
NODE787X	GENE1967X	GENE872X	0.9739990234375
NODE788X	GENE1169X	NODE425X	0.9739990234375
NODE789X	GENE2508X	GENE1327X	0.9739990234375
NODE790X	GENE2661X	GENE2110X	0.9739990234375
NODE791X	NODE114X	NODE245X	0.9739990234375
NODE792X	GENE120X	GENE643X	0.97393798828125
NODE793X	GENE1604X	GENE814X	0.97393798828125
NODE794X	GENE1084X	GENE2116X	0.97393798828125
NODE795X	GENE1980X	GENE1358X	0.97393798828125
NODE796X	NODE400X	GENE1100X	0.97393798828125
NODE797X	NODE493X	NODE437X	0.973876953125
NODE798X	GENE1221X	NODE603X	0.973876953125

NODE799X	GENE1416X	GENE1018X	0.9737548828125
NODE800X	GENE2511X	NODE161X	0.9737548828125
NODE801X	NODE595X	NODE246X	0.9737548828125
NODE802X	NODE88X	NODE401X	0.9736328125
NODE803X	GENE2702X	NODE311X	0.97357177734375
NODE804X	NODE716X	NODE522X	0.97357177734375
NODE805X	GENE436X	GENE1700X	0.97344970703125
NODE806X	NODE363X	GENE1046X	0.97344970703125
NODE807X	GENE1427X	NODE503X	0.97344970703125
NODE808X	GENE9X	GENE280X	0.973388671875
NODE809X	GENE1422X	GENE1847X	0.973388671875
NODE810X	NODE323X	NODE675X	0.973388671875
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NODE812X	GENE788X	NODE768X	0.973388671875
NODE813X	NODE125X	GENE137X	0.97332763671875
NODE814X	GENE740X	NODE499X	0.97332763671875
NODE815X	NODE160X	NODE557X	0.97332763671875
NODE816X	GENE2441X	NODE731X	0.9732666015625
NODE817X	GENE169X	GENE2659X	0.97320556640625
NODE818X	GENE1107X	GENE1740X	0.97320556640625
NODE819X	GENE2217X	GENE2234X	0.97320556640625
NODE820X	NODE97X	NODE562X	0.97320556640625
NODE821X	NODE111X	GENE2580X	0.97314453125
NODE822X	NODE685X	NODE152X	0.97314453125
NODE823X	GENE1661X	GENE339X	0.97308349609375
NODE824X	NODE268X	GENE899X	0.97308349609375
NODE825X	GENE1029X	GENE2118X	0.97308349609375
NODE826X	NODE560X	GENE2240X	0.97308349609375
NODE827X	NODE517X	NODE413X	0.97308349609375
NODE828X	GENE164X	GENE1117X	0.9730224609375
NODE829X	GENE2613X	GENE1041X	0.9730224609375
NODE830X	GENE2548X	GENE2519X	0.9730224609375
NODE831X	GENE1336X	NODE296X	0.97296142578125
NODE832X	GENE1414X	NODE389X	0.97296142578125
NODE833X	NODE830X	GENE213X	0.972900390625
NODE834X	GENE202X	GENE724X	0.97283935546875
NODE835X	GENE1377X	GENE591X	0.9727783203125
NODE836X	GENE949X	GENE1491X	0.97271728515625
NODE837X	NODE169X	GENE2684X	0.97271728515625
NODE838X	GENE174X	NODE629X	0.97265625
NODE839X	GENE2109X	GENE2268X	0.97265625
NODE840X	GENE1972X	GENE1289X	0.9725341796875
NODE841X	NODE385X	NODE409X	0.9725341796875
NODE842X	NODE489X	NODE375X	0.97247314453125
NODE843X	GENE677X	NODE543X	0.972412109375
NODE844X	GENE1482X	GENE2107X	0.972412109375
NODE845X	GENE1650X	NODE177X	0.972412109375
NODE846X	GENE2282X	GENE320X	0.97235107421875
NODE847X	GENE337X	GENE2393X	0.9722900390625
NODE848X	GENE1987X	GENE1470X	0.9722900390625
NODE849X	NODE183X	NODE226X	0.9722900390625
NODE850X	GENE2482X	NODE605X	0.97216796875
NODE851X	GENE2203X	GENE355X	0.97210693359375
NODE852X	GENE1864X	GENE915X	0.97198486328125
NODE853X	NODE458X	NODE307X	0.97198486328125
NODE854X	NODE469X	GENE2705X	0.97198486328125
NODE855X	NODE651X	GENE2623X	0.971923828125

NODE856X	GENE147X	GENE1136X	0.97186279296875
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NODE858X	GENE2267X	GENE867X	0.9718017578125
NODE859X	NODE209X	NODE219X	0.9718017578125
NODE860X	NODE312X	NODE730X	0.9718017578125
NODE861X	GENE1844X	GENE324X	0.97174072265625
NODE862X	GENE1934X	NODE628X	0.97174072265625
NODE863X	GENE1313X	GENE1840X	0.97161865234375
NODE864X	GENE1965X	GENE2378X	0.97161865234375
NODE865X	NODE723X	NODE176X	0.97161865234375
NODE866X	GENE1930X	GENE980X	0.9715576171875
NODE867X	NODE178X	NODE634X	0.9715576171875
NODE868X	GENE2228X	GENE812X	0.97149658203125
NODE869X	GENE288X	GENE572X	0.971435546875
NODE870X	NODE253X	GENE2205X	0.97137451171875
NODE871X	NODE483X	NODE318X	0.97137451171875
NODE872X	GENE153X	GENE1764X	0.9713134765625
NODE873X	NODE656X	NODE481X	0.9713134765625
NODE874X	GENE2013X	GENE2372X	0.97125244140625
NODE875X	NODE561X	NODE419X	0.97125244140625
NODE876X	GENE1093X	GENE965X	0.97119140625
NODE877X	NODE679X	NODE510X	0.97119140625
NODE878X	NODE461X	NODE393X	0.97113037109375
NODE879X	NODE338X	NODE701X	0.9710693359375
NODE880X	GENE121X	NODE511X	0.97100830078125
NODE881X	GENE689X	NODE101X	0.970947265625
NODE882X	GENE2645X	GENE2404X	0.97088623046875
NODE883X	GENE1001X	GENE421X	0.9708251953125
NODE884X	GENE2584X	GENE1933X	0.9708251953125
NODE885X	NODE141X	GENE549X	0.97076416015625
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NODE887X	GENE932X	GENE1890X	0.97076416015625
NODE888X	NODE478X	GENE1522X	0.97076416015625
NODE889X	NODE482X	NODE346X	0.97076416015625
NODE890X	NODE397X	GENE18X	0.970703125
NODE891X	GENE636X	GENE2335X	0.97064208984375
NODE892X	GENE671X	NODE536X	0.9705810546875
NODE893X	GENE635X	GENE1223X	0.97052001953125
NODE894X	GENE1816X	GENE1146X	0.97052001953125
NODE895X	NODE373X	NODE507X	0.97052001953125
NODE896X	GENE1514X	GENE2144X	0.97039794921875
NODE897X	NODE498X	GENE1757X	0.97039794921875
NODE898X	GENE203X	GENE2128X	0.97027587890625
NODE899X	GENE297X	GENE298X	0.97027587890625
NODE900X	GENE1582X	NODE328X	0.97027587890625
NODE901X	GENE2407X	NODE367X	0.97027587890625
NODE902X	NODE238X	NODE474X	0.97027587890625
NODE903X	NODE426X	NODE391X	0.97021484375
NODE904X	NODE187X	NODE243X	0.97015380859375
NODE905X	GENE796X	NODE609X	0.97015380859375
NODE906X	NODE657X	GENE296X	0.9700927734375
NODE907X	GENE1234X	NODE537X	0.97003173828125
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NODE909X	NODE287X	NODE683X	0.97003173828125
NODE910X	GENE532X	GENE826X	0.969970703125
NODE911X	GENE1461X	GENE1315X	0.969970703125
NODE912X	GENE1426X	NODE374X	0.969970703125

NODE913X	GENE1451X	NODE496X	0.969970703125
NODE914X	NODE3X	NODE297X	0.96990966796875
NODE915X	NODE295X	NODE546X	0.96990966796875
NODE916X	GENE2328X	GENE2499X	0.9698486328125
NODE917X	GENE2418X	GENE195X	0.9697265625
NODE918X	GENE699X	GENE2358X	0.9697265625
NODE919X	GENE2390X	GENE1310X	0.9697265625
NODE920X	GENE306X	GENE688X	0.96966552734375
NODE921X	GENE2356X	GENE1220X	0.96966552734375
NODE922X	NODE438X	GENE731X	0.9696044921875
NODE923X	GENE353X	NODE821X	0.969482421875
NODE924X	GENE284X	NODE828X	0.969482421875
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NODE926X	NODE404X	GENE1489X	0.9693603515625
NODE927X	NODE319X	GENE2246X	0.9693603515625
NODE928X	GENE1235X	GENE1901X	0.96923828125
NODE929X	NODE639X	GENE1610X	0.96923828125
NODE930X	GENE245X	NODE818X	0.96917724609375
NODE931X	GENE1785X	GENE2073X	0.96917724609375
NODE932X	GENE2650X	GENE2070X	0.96917724609375
NODE933X	NODE664X	NODE644X	0.9691162109375
NODE934X	NODE547X	NODE240X	0.9688720703125
NODE935X	NODE533X	NODE742X	0.9688720703125
NODE936X	GENE1485X	GENE215X	0.96875
NODE937X	GENE686X	GENE1183X	0.96875
NODE938X	GENE710X	GENE711X	0.96868896484375
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NODE942X	GENE1371X	GENE1674X	0.9686279296875
NODE943X	NODE810X	NODE224X	0.9686279296875
NODE944X	GENE56X	NODE488X	0.96856689453125
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NODE946X	NODE313X	GENE1718X	0.968505859375
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NODE948X	NODE492X	NODE180X	0.96844482421875
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NODE951X	GENE1701X	GENE1402X	0.96826171875
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NODE961X	GENE2458X	NODE581X	0.968017578125
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NODE963X	GENE780X	GENE1779X	0.9678955078125
NODE964X	GENE2307X	GENE2564X	0.9678955078125
NODE965X	GENE612X	GENE135X	0.96783447265625
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NODE971X	GENE191X	NODE578X	0.967529296875
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NODE973X	NODE851X	GENE2227X	0.967529296875
NODE974X	NODE390X	GENE317X	0.967529296875
NODE975X	GENE2245X	GENE87X	0.9674072265625
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NODE978X	GENE1838X	GENE1492X	0.96734619140625
NODE979X	GENE102X	GENE1334X	0.96728515625
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NODE981X	NODE270X	NODE564X	0.96728515625
NODE982X	NODE378X	GENE2056X	0.96722412109375
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NODE987X	GENE721X	GENE2365X	0.967041015625
NODE988X	GENE2379X	GENE2617X	0.9669189453125
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NODE990X	GENE496X	GENE323X	0.96685791015625
NODE991X	NODE612X	GENE370X	0.96685791015625
NODE992X	GENE659X	NODE691X	0.96685791015625
NODE993X	GENE299X	GENE935X	0.966796875
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NODE997X	GENE2686X	GENE886X	0.9666748046875
NODE998X	NODE490X	NODE765X	0.9666748046875
NODE999X	GENE609X	NODE421X	0.96661376953125
NODE1000X	GENE2488X	GENE693X	0.96661376953125
NODE1001X	GENE1976X	NODE520X	0.966552734375
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NODE1004X	GENE2037X	GENE2146X	0.96636962890625
NODE1005X	NODE711X	NODE743X	0.96636962890625
NODE1006X	NODE339X	GENE50X	0.96624755859375
NODE1007X	GENE2443X	NODE440X	0.9661865234375
NODE1008X	GENE1148X	GENE2514X	0.966064453125
NODE1009X	GENE1869X	GENE520X	0.96600341796875
NODE1010X	NODE763X	NODE166X	0.96600341796875
NODE1011X	GENE1958X	GENE285X	0.9659423828125
NODE1012X	NODE460X	GENE752X	0.96588134765625
NODE1013X	GENE1939X	GENE1596X	0.96588134765625
NODE1014X	GENE1487X	NODE630X	0.9658203125
NODE1015X	GENE763X	GENE2561X	0.96575927734375
NODE1016X	GENE2373X	NODE719X	0.96575927734375
NODE1017X	GENE562X	GENE510X	0.9656982421875
NODE1018X	GENE2493X	GENE2201X	0.9656982421875
NODE1019X	GENE133X	GENE405X	0.96563720703125
NODE1020X	NODE863X	GENE990X	0.965576171875
NODE1021X	GENE694X	GENE404X	0.96551513671875
NODE1022X	GENE2368X	GENE375X	0.9654541015625
NODE1023X	NODE613X	NODE589X	0.9654541015625
NODE1024X	GENE1276X	GENE429X	0.96539306640625
NODE1025X	NODE615X	GENE511X	0.96539306640625
NODE1026X	NODE320X	GENE80X	0.96533203125

NODE1027X	GENE183X	GENE1438X	0.96533203125
NODE1028X	GENE544X	GENE2314X	0.96533203125
NODE1029X	GENE2355X	GENE1245X	0.96533203125
NODE1030X	GENE2334X	GENE1059X	0.96527099609375
NODE1031X	NODE717X	NODE451X	0.9652099609375
NODE1032X	NODE540X	GENE758X	0.965087890625
NODE1033X	NODE395X	NODE991X	0.965087890625
NODE1034X	NODE754X	GENE1835X	0.96502685546875
NODE1035X	NODE201X	NODE708X	0.96502685546875
NODE1036X	NODE919X	NODE627X	0.96502685546875
NODE1037X	GENE707X	GENE182X	0.96490478515625
NODE1038X	GENE321X	GENE773X	0.96490478515625
NODE1039X	GENE569X	NODE435X	0.96490478515625
NODE1040X	NODE700X	GENE1087X	0.96484375
NODE1041X	NODE777X	GENE2243X	0.96484375
NODE1042X	GENE953X	NODE514X	0.964599609375
NODE1043X	GENE2386X	GENE2550X	0.96453857421875
NODE1044X	GENE372X	GENE652X	0.9644775390625
NODE1045X	NODE774X	NODE548X	0.9644775390625
NODE1046X	GENE2074X	NODE592X	0.96441650390625
NODE1047X	NODE500X	NODE610X	0.96441650390625
NODE1048X	GENE328X	NODE890X	0.96429443359375
NODE1049X	GENE2160X	GENE1135X	0.9642333984375
NODE1050X	GENE1540X	NODE858X	0.9642333984375
NODE1051X	GENE2403X	GENE2585X	0.96417236328125
NODE1052X	GENE1762X	GENE529X	0.96405029296875
NODE1053X	NODE382X	NODE748X	0.96405029296875
NODE1054X	GENE856X	GENE2216X	0.9639892578125
NODE1055X	GENE880X	NODE355X	0.9639892578125
NODE1056X	GENE993X	GENE1538X	0.9638671875
NODE1057X	GENE1225X	NODE802X	0.9638671875
NODE1058X	NODE501X	NODE524X	0.9638671875
NODE1059X	GENE669X	NODE942X	0.9637451171875
NODE1060X	GENE951X	NODE689X	0.9637451171875
NODE1061X	GENE963X	GENE674X	0.96368408203125
NODE1062X	NODE608X	GENE1548X	0.96368408203125
NODE1063X	NODE416X	NODE331X	0.963623046875
NODE1064X	NODE788X	NODE588X	0.963623046875
NODE1065X	NODE772X	NODE443X	0.96356201171875
NODE1066X	GENE790X	NODE623X	0.9635009765625
NODE1067X	GENE2353X	NODE558X	0.96337890625
NODE1068X	NODE552X	NODE767X	0.96337890625
NODE1069X	NODE848X	NODE663X	0.96337890625
NODE1070X	NODE144X	NODE822X	0.9632568359375
NODE1071X	GENE465X	GENE2272X	0.96319580078125
NODE1072X	GENE831X	GENE1824X	0.96319580078125
NODE1073X	GENE827X	GENE381X	0.963134765625
NODE1074X	GENE516X	GENE1158X	0.963134765625
NODE1075X	NODE703X	NODE682X	0.963134765625
NODE1076X	NODE797X	NODE491X	0.96307373046875
NODE1077X	NODE475X	GENE336X	0.9630126953125
NODE1078X	GENE2363X	GENE504X	0.9630126953125
NODE1079X	GENE1133X	GENE310X	0.96295166015625
NODE1080X	GENE1710X	GENE1078X	0.96295166015625
NODE1081X	NODE403X	NODE549X	0.96295166015625
NODE1082X	NODE580X	NODE935X	0.962890625
NODE1083X	GENE71X	GENE1978X	0.96282958984375

NODE1084X	GENE478X	NODE535X	0.96282958984375
NODE1085X	GENE1666X	GENE729X	0.96282958984375
NODE1086X	GENE2708X	GENE1742X	0.96282958984375
NODE1087X	GENE2039X	GENE1898X	0.96282958984375
NODE1088X	NODE800X	GENE2034X	0.96282958984375
NODE1089X	NODE771X	GENE2113X	0.96282958984375
NODE1090X	GENE895X	GENE1579X	0.9627685546875
NODE1091X	NODE485X	NODE633X	0.9627685546875
NODE1092X	GENE2480X	GENE2175X	0.96270751953125
NODE1093X	GENE1373X	GENE61X	0.962646484375
NODE1094X	NODE579X	NODE332X	0.962646484375
NODE1095X	GENE1682X	GENE1363X	0.96258544921875
NODE1096X	NODE953X	NODE487X	0.96258544921875
NODE1097X	GENE1103X	NODE643X	0.96246337890625
NODE1098X	GENE1570X	GENE1254X	0.96240234375
NODE1099X	NODE575X	NODE631X	0.96240234375
NODE1100X	NODE559X	NODE121X	0.9622802734375
NODE1101X	NODE86X	NODE1017X	0.9622802734375
NODE1102X	GENE155X	GENE1478X	0.962158203125
NODE1103X	GENE1369X	GENE2639X	0.962158203125
NODE1104X	GENE536X	GENE1675X	0.96209716796875
NODE1105X	GENE967X	NODE333X	0.9620361328125
NODE1106X	NODE741X	GENE2614X	0.9620361328125
NODE1107X	GENE2634X	NODE412X	0.9620361328125
NODE1108X	NODE526X	GENE2563X	0.9619140625
NODE1109X	NODE98X	NODE1058X	0.96185302734375
NODE1110X	GENE882X	GENE2497X	0.9617919921875
NODE1111X	NODE637X	NODE875X	0.9617919921875
NODE1112X	NODE300X	GENE1613X	0.96173095703125
NODE1113X	NODE602X	GENE1941X	0.96173095703125
NODE1114X	GENE1279X	GENE1274X	0.961669921875
NODE1115X	GENE2176X	GENE1190X	0.96160888671875
NODE1116X	GENE1123X	GENE902X	0.9615478515625
NODE1117X	NODE163X	NODE952X	0.9615478515625
NODE1118X	NODE827X	NODE815X	0.96148681640625
NODE1119X	GENE762X	NODE847X	0.96148681640625
NODE1120X	GENE2591X	NODE759X	0.96136474609375
NODE1121X	GENE1667X	GENE923X	0.96124267578125
NODE1122X	GENE2676X	NODE523X	0.96124267578125
NODE1123X	NODE383X	NODE538X	0.96124267578125
NODE1124X	NODE512X	GENE1535X	0.961181640625
NODE1125X	GENE1392X	GENE2401X	0.96112060546875
NODE1126X	NODE832X	NODE705X	0.9610595703125
NODE1127X	NODE957X	GENE1027X	0.9610595703125
NODE1128X	GENE1746X	NODE448X	0.96099853515625
NODE1129X	GENE805X	NODE521X	0.9609375
NODE1130X	GENE1827X	GENE632X	0.96087646484375
NODE1131X	NODE418X	GENE787X	0.96087646484375
NODE1132X	GENE705X	NODE710X	0.9608154296875
NODE1133X	GENE1145X	GENE1991X	0.9608154296875
NODE1134X	NODE527X	NODE621X	0.9608154296875
NODE1135X	GENE746X	GENE114X	0.96075439453125
NODE1136X	NODE424X	NODE790X	0.96075439453125
NODE1137X	GENE982X	GENE599X	0.960693359375
NODE1138X	NODE587X	GENE922X	0.960693359375
NODE1139X	GENE1515X	NODE791X	0.960693359375
NODE1140X	GENE314X	GENE410X	0.96063232421875

NODE1141X	GENE2595X	GENE2035X	0.96063232421875
NODE1142X	GENE2015X	GENE259X	0.9605712890625
NODE1143X	NODE907X	NODE677X	0.96044921875
NODE1144X	GENE1439X	GENE1353X	0.9603271484375
NODE1145X	GENE853X	NODE855X	0.96002197265625
NODE1146X	NODE807X	GENE312X	0.9599609375
NODE1147X	NODE787X	GENE1066X	0.9599609375
NODE1148X	GENE888X	GENE187X	0.95989990234375
NODE1149X	GENE2185X	GENE1106X	0.95977783203125
NODE1150X	GENE2366X	GENE2196X	0.95977783203125
NODE1151X	NODE823X	GENE1372X	0.959716796875
NODE1152X	NODE841X	NODE814X	0.959716796875
NODE1153X	GENE1080X	GENE1203X	0.9595947265625
NODE1154X	GENE1264X	GENE456X	0.95953369140625
NODE1155X	GENE2632X	GENE1803X	0.95953369140625
NODE1156X	NODE456X	NODE806X	0.95953369140625
NODE1157X	NODE495X	NODE838X	0.95953369140625
NODE1158X	NODE506X	NODE1075X	0.95953369140625
NODE1159X	GENE453X	NODE678X	0.95947265625
NODE1160X	NODE661X	NODE590X	0.95947265625
NODE1161X	GENE341X	NODE591X	0.95928955078125
NODE1162X	GENE2483X	GENE2538X	0.95916748046875
NODE1163X	NODE407X	NODE1108X	0.958984375
NODE1164X	GENE2026X	GENE2545X	0.95892333984375
NODE1165X	GENE1791X	GENE1124X	0.9588623046875
NODE1166X	GENE1744X	GENE1400X	0.9588623046875
NODE1167X	GENE2465X	NODE241X	0.9588623046875
NODE1168X	GENE2153X	GENE58X	0.958740234375
NODE1169X	NODE725X	NODE676X	0.958740234375
NODE1170X	NODE820X	GENE1806X	0.95867919921875
NODE1171X	GENE2451X	NODE831X	0.95867919921875
NODE1172X	GENE143X	GENE1286X	0.9586181640625
NODE1173X	NODE468X	NODE1099X	0.9586181640625
NODE1174X	GENE1430X	GENE1408X	0.95855712890625
NODE1175X	GENE645X	NODE1107X	0.95855712890625
NODE1176X	GENE1388X	GENE1259X	0.95849609375
NODE1177X	NODE750X	NODE317X	0.95849609375
NODE1178X	NODE877X	NODE1111X	0.95849609375
NODE1179X	NODE876X	GENE188X	0.95843505859375
NODE1180X	GENE1011X	NODE761X	0.9583740234375
NODE1181X	NODE599X	NODE638X	0.9583740234375
NODE1182X	NODE688X	NODE892X	0.958251953125
NODE1183X	NODE649X	NODE1020X	0.95819091796875
NODE1184X	GENE1925X	GENE1921X	0.9581298828125
NODE1185X	GENE37X	GENE958X	0.95806884765625
NODE1186X	NODE778X	GENE352X	0.9580078125
NODE1187X	GENE1496X	NODE550X	0.9578857421875
NODE1188X	NODE577X	NODE1118X	0.9578857421875
NODE1189X	NODE724X	GENE534X	0.95782470703125
NODE1190X	GENE2225X	NODE843X	0.957763671875
NODE1191X	GENE241X	GENE145X	0.95770263671875
NODE1192X	GENE655X	NODE648X	0.95770263671875
NODE1193X	GENE964X	NODE940X	0.95770263671875
NODE1194X	GENE802X	GENE654X	0.95758056640625
NODE1195X	NODE115X	NODE944X	0.95758056640625
NODE1196X	NODE977X	NODE642X	0.95758056640625
NODE1197X	NODE859X	NODE593X	0.95751953125

NODE1198X	GENE300X	GENE1848X	0.95745849609375
NODE1199X	GENE820X	GENE1500X	0.9573974609375
NODE1200X	GENE1622X	NODE908X	0.9573974609375
NODE1201X	GENE2599X	GENE2478X	0.95733642578125
NODE1202X	GENE1045X	NODE278X	0.957275390625
NODE1203X	GENE1397X	GENE2288X	0.957275390625
NODE1204X	NODE933X	NODE414X	0.957275390625
NODE1205X	GENE227X	GENE2553X	0.95721435546875
NODE1206X	GENE896X	GENE2087X	0.95721435546875
NODE1207X	NODE585X	NODE747X	0.95721435546875
NODE1208X	NODE715X	NODE920X	0.95721435546875
NODE1209X	NODE321X	NODE681X	0.9571533203125
NODE1210X	NODE779X	NODE477X	0.9571533203125
NODE1211X	NODE728X	NODE674X	0.95703125
NODE1212X	GENE2413X	NODE1030X	0.95703125
NODE1213X	GENE1564X	GENE1584X	0.95697021484375
NODE1214X	NODE792X	GENE1314X	0.9569091796875
NODE1215X	GENE1823X	GENE2484X	0.9569091796875
NODE1216X	GENE268X	NODE883X	0.95684814453125
NODE1217X	GENE513X	GENE570X	0.95672607421875
NODE1218X	GENE1130X	NODE972X	0.95672607421875
NODE1219X	GENE115X	GENE2718X	0.9566650390625
NODE1220X	GENE1387X	GENE906X	0.95654296875
NODE1221X	GENE2324X	GENE925X	0.95654296875
NODE1222X	GENE438X	GENE5X	0.95648193359375
NODE1223X	NODE534X	NODE954X	0.95635986328125
NODE1224X	NODE1170X	GENE1071X	0.95635986328125
NODE1225X	GENE151X	GENE51X	0.95623779296875
NODE1226X	NODE686X	GENE2657X	0.95623779296875
NODE1227X	NODE554X	NODE813X	0.95623779296875
NODE1228X	NODE555X	NODE857X	0.95623779296875
NODE1229X	NODE712X	NODE665X	0.95623779296875
NODE1230X	NODE849X	NODE736X	0.9561767578125
NODE1231X	NODE420X	NODE1129X	0.95611572265625
NODE1232X	NODE667X	NODE464X	0.95611572265625
NODE1233X	GENE1188X	GENE2259X	0.9560546875
NODE1234X	NODE566X	NODE1032X	0.9560546875
NODE1235X	GENE2589X	GENE113X	0.95599365234375
NODE1236X	NODE655X	NODE1028X	0.9559326171875
NODE1237X	GENE2136X	GENE243X	0.95587158203125
NODE1238X	NODE694X	GENE11X	0.95574951171875
NODE1239X	NODE853X	NODE968X	0.95574951171875
NODE1240X	GENE1691X	GENE1260X	0.95556640625
NODE1241X	GENE1594X	NODE707X	0.9554443359375
NODE1242X	GENE82X	GENE2156X	0.95513916015625
NODE1243X	NODE958X	NODE784X	0.95513916015625
NODE1244X	NODE625X	NODE337X	0.955078125
NODE1245X	NODE670X	NODE622X	0.955078125
NODE1246X	NODE893X	NODE1181X	0.95501708984375
NODE1247X	GENE2515X	GENE644X	0.9549560546875
NODE1248X	GENE212X	GENE2289X	0.95489501953125
NODE1249X	GENE524X	GENE194X	0.95477294921875
NODE1250X	NODE660X	GENE217X	0.95477294921875
NODE1251X	NODE839X	NODE755X	0.95477294921875
NODE1252X	NODE697X	NODE811X	0.9547119140625
NODE1253X	NODE990X	GENE613X	0.95465087890625
NODE1254X	GENE968X	GENE2601X	0.95465087890625

NODE1255X	GENE1132X	GENE2555X	0.95458984375
NODE1256X	NODE647X	GENE897X	0.95440673828125
NODE1257X	NODE343X	NODE1012X	0.954345703125
NODE1258X	NODE439X	NODE1057X	0.954345703125
NODE1259X	NODE842X	NODE819X	0.954345703125
NODE1260X	NODE583X	NODE992X	0.954345703125
NODE1261X	GENE962X	GENE777X	0.9542236328125
NODE1262X	NODE618X	NODE1033X	0.9542236328125
NODE1263X	NODE684X	GENE171X	0.95416259765625
NODE1264X	NODE280X	NODE515X	0.95416259765625
NODE1265X	NODE971X	NODE1026X	0.9541015625
NODE1266X	GENE371X	GENE2408X	0.95404052734375
NODE1267X	GENE1969X	NODE925X	0.9539794921875
NODE1268X	NODE340X	NODE833X	0.953857421875
NODE1269X	NODE909X	NODE350X	0.95379638671875
NODE1270X	GENE799X	NODE568X	0.95379638671875
NODE1271X	NODE979X	GENE2506X	0.95367431640625
NODE1272X	GENE309X	NODE377X	0.95361328125
NODE1273X	GENE1820X	GENE2354X	0.95361328125
NODE1274X	NODE614X	NODE926X	0.95361328125
NODE1275X	NODE947X	GENE1197X	0.95355224609375
NODE1276X	GENE1361X	GENE566X	0.9534912109375
NODE1277X	NODE669X	GENE2157X	0.9534912109375
NODE1278X	GENE851X	GENE127X	0.953369140625
NODE1279X	GENE482X	NODE369X	0.953369140625
NODE1280X	NODE773X	NODE594X	0.95330810546875
NODE1281X	GENE2578X	GENE2672X	0.9532470703125
NODE1282X	NODE1084X	GENE117X	0.95318603515625
NODE1283X	GENE734X	GENE1024X	0.95318603515625
NODE1284X	GENE956X	NODE544X	0.95318603515625
NODE1285X	NODE666X	NODE502X	0.95306396484375
NODE1286X	GENE366X	NODE896X	0.95294189453125
NODE1287X	GENE2151X	GENE2154X	0.95294189453125
NODE1288X	NODE484X	NODE574X	0.9527587890625
NODE1289X	GENE2631X	GENE77X	0.95269775390625
NODE1290X	NODE620X	NODE769X	0.95263671875
NODE1291X	GENE365X	GENE223X	0.95257568359375
NODE1292X	GENE1814X	NODE945X	0.9525146484375
NODE1293X	NODE573X	NODE1015X	0.95245361328125
NODE1294X	NODE1155X	GENE2306X	0.95233154296875
NODE1295X	NODE805X	GENE486X	0.9522705078125
NODE1296X	NODE950X	NODE604X	0.9522705078125
NODE1297X	NODE775X	GENE327X	0.95220947265625
NODE1298X	GENE2242X	GENE2625X	0.95220947265625
NODE1299X	GENE1720X	NODE1202X	0.9521484375
NODE1300X	GENE1273X	GENE1282X	0.95208740234375
NODE1301X	NODE434X	NODE866X	0.95208740234375
NODE1302X	GENE47X	GENE1344X	0.95196533203125
NODE1303X	GENE2551X	NODE864X	0.95196533203125
NODE1304X	GENE2544X	GENE199X	0.951904296875
NODE1305X	NODE969X	GENE1585X	0.951904296875
NODE1306X	NODE837X	GENE863X	0.95166015625
NODE1307X	GENE1435X	GENE913X	0.95166015625
NODE1308X	GENE2147X	GENE168X	0.95159912109375
NODE1309X	GENE2068X	GENE210X	0.95159912109375
NODE1310X	NODE870X	NODE756X	0.95159912109375
NODE1311X	NODE934X	NODE987X	0.95159912109375

NODE1312X	NODE1227X	NODE1003X	0.951416015625
NODE1313X	NODE809X	NODE408X	0.95135498046875
NODE1314X	NODE939X	GENE611X	0.95123291015625
NODE1315X	NODE794X	GENE1244X	0.951171875
NODE1316X	GENE2038X	GENE1971X	0.951171875
NODE1317X	NODE214X	NODE889X	0.95111083984375
NODE1318X	NODE871X	NODE914X	0.95111083984375
NODE1319X	NODE955X	GENE617X	0.9510498046875
NODE1320X	GENE1773X	GENE798X	0.95098876953125
NODE1321X	GENE1319X	GENE1337X	0.950927734375
NODE1322X	GENE955X	GENE1850X	0.95086669921875
NODE1323X	GENE1447X	GENE2215X	0.95074462890625
NODE1324X	GENE531X	GENE197X	0.95068359375
NODE1325X	GENE2278X	NODE988X	0.95068359375
NODE1326X	GENE676X	NODE659X	0.95062255859375
NODE1327X	GENE1410X	NODE326X	0.95062255859375
NODE1328X	GENE1717X	GENE1867X	0.95062255859375
NODE1329X	GENE1983X	GENE1186X	0.95050048828125
NODE1330X	NODE984X	NODE1053X	0.95050048828125
NODE1331X	NODE998X	NODE1236X	0.95050048828125
NODE1332X	NODE1102X	GENE1076X	0.9503173828125
NODE1333X	NODE975X	NODE652X	0.9503173828125
NODE1334X	NODE829X	NODE735X	0.9503173828125
NODE1335X	NODE869X	NODE744X	0.9503173828125
NODE1336X	GENE1620X	NODE1074X	0.9500732421875
NODE1337X	GENE1536X	NODE1089X	0.9500732421875
NODE1338X	GENE1231X	GENE2505X	0.9498291015625
NODE1339X	NODE704X	NODE709X	0.94970703125
NODE1340X	GENE457X	GENE458X	0.94964599609375
NODE1341X	NODE516X	NODE1064X	0.94964599609375
NODE1342X	GENE1131X	NODE1103X	0.9495849609375
NODE1343X	GENE2061X	GENE1716X	0.949462890625
NODE1344X	NODE1114X	GENE1970X	0.94940185546875
NODE1345X	NODE846X	GENE2051X	0.94921875
NODE1346X	GENE1209X	NODE812X	0.94915771484375
NODE1347X	GENE971X	GENE39X	0.9490966796875
NODE1348X	GENE988X	GENE193X	0.94903564453125
NODE1349X	NODE999X	NODE1245X	0.94903564453125
NODE1350X	GENE158X	GENE1520X	0.948974609375
NODE1351X	GENE1486X	GENE1155X	0.948974609375
NODE1352X	NODE798X	GENE1878X	0.94891357421875
NODE1353X	NODE722X	NODE918X	0.9488525390625
NODE1354X	NODE922X	GENE433X	0.94879150390625
NODE1355X	GENE1331X	GENE1342X	0.94866943359375
NODE1356X	NODE646X	NODE911X	0.9486083984375
NODE1357X	GENE198X	GENE2419X	0.94854736328125
NODE1358X	GENE1298X	NODE729X	0.94854736328125
NODE1359X	NODE948X	NODE867X	0.948486328125
NODE1360X	GENE1526X	NODE996X	0.94842529296875
NODE1361X	GENE1643X	NODE1116X	0.94842529296875
NODE1362X	GENE1119X	NODE1065X	0.9482421875
NODE1363X	NODE780X	NODE1007X	0.9482421875
NODE1364X	GENE732X	NODE1018X	0.94805908203125
NODE1365X	NODE1034X	NODE541X	0.947998046875
NODE1366X	GENE1347X	NODE739X	0.9478759765625
NODE1367X	GENE546X	NODE1232X	0.94781494140625
NODE1368X	GENE483X	GENE884X	0.94775390625

NODE1369X	NODE845X	NODE854X	0.94775390625
NODE1370X	NODE530X	NODE636X	0.94769287109375
NODE1371X	NODE1071X	NODE946X	0.94769287109375
NODE1372X	GENE876X	GENE1989X	0.94757080078125
NODE1373X	GENE997X	GENE1246X	0.947509765625
NODE1374X	GENE1560X	GENE176X	0.94744873046875
NODE1375X	NODE781X	GENE1222X	0.94744873046875
NODE1376X	NODE361X	NODE801X	0.9473876953125
NODE1377X	NODE1196X	NODE1081X	0.9473876953125
NODE1378X	GENE450X	GENE1704X	0.947265625
NODE1379X	NODE1229X	NODE1231X	0.947265625
NODE1380X	NODE380X	GENE1143X	0.94720458984375
NODE1381X	NODE751X	NODE1122X	0.94720458984375
NODE1382X	GENE20X	GENE2536X	0.9471435546875
NODE1383X	GENE892X	GENE506X	0.9471435546875
NODE1384X	NODE929X	NODE650X	0.94708251953125
NODE1385X	NODE1310X	NODE960X	0.94708251953125
NODE1386X	GENE1825X	GENE1079X	0.947021484375
NODE1387X	GENE383X	NODE905X	0.94683837890625
NODE1388X	NODE1042X	GENE2521X	0.94683837890625
NODE1389X	GENE2172X	NODE1067X	0.94677734375
NODE1390X	GENE2011X	NODE856X	0.9466552734375
NODE1391X	GENE1322X	GENE2174X	0.94659423828125
NODE1392X	NODE565X	GENE2518X	0.94659423828125
NODE1393X	NODE14X	GENE2155X	0.946533203125
NODE1394X	NODE740X	NODE662X	0.946533203125
NODE1395X	NODE641X	NODE1388X	0.94647216796875
NODE1396X	NODE886X	NODE888X	0.9464111328125
NODE1397X	NODE1274X	NODE746X	0.9464111328125
NODE1398X	GENE2417X	NODE463X	0.94635009765625
NODE1399X	GENE939X	GENE2489X	0.9462890625
NODE1400X	GENE1033X	NODE1263X	0.9462890625
NODE1401X	GENE2350X	GENE2475X	0.94622802734375
NODE1402X	NODE1047X	NODE903X	0.9461669921875
NODE1403X	NODE545X	GENE1833X	0.94610595703125
NODE1404X	NODE693X	NODE985X	0.94610595703125
NODE1405X	GENE1826X	GENE1639X	0.94598388671875
NODE1406X	NODE994X	GENE345X	0.94598388671875
NODE1407X	NODE692X	NODE795X	0.9459228515625
NODE1408X	GENE432X	NODE1169X	0.94586181640625
NODE1409X	GENE942X	NODE392X	0.94580078125
NODE1410X	GENE0X	NODE895X	0.94573974609375
NODE1411X	GENE809X	GENE1534X	0.94573974609375
NODE1412X	GENE1248X	GENE66X	0.9456787109375
NODE1413X	NODE789X	NODE941X	0.94561767578125
NODE1414X	NODE563X	NODE1270X	0.945556640625
NODE1415X	NODE862X	GENE554X	0.94549560546875
NODE1416X	GENE1796X	GENE2704X	0.94549560546875
NODE1417X	NODE1148X	GENE1725X	0.9454345703125
NODE1418X	GENE2668X	GENE105X	0.94537353515625
NODE1419X	GENE873X	GENE1893X	0.9453125
NODE1420X	NODE635X	GENE627X	0.94525146484375
NODE1421X	NODE182X	GENE2183X	0.94525146484375
NODE1422X	NODE1049X	GENE2513X	0.94525146484375
NODE1423X	NODE1211X	NODE1252X	0.94512939453125
NODE1424X	NODE766X	GENE273X	0.945068359375
NODE1425X	NODE696X	NODE872X	0.945068359375

NODE1426X	NODE902X	GENE584X	0.94500732421875
NODE1427X	GENE448X	NODE1189X	0.9449462890625
NODE1428X	NODE1023X	NODE518X	0.9449462890625
NODE1429X	GENE2339X	GENE914X	0.94488525390625
NODE1430X	GENE747X	NODE1351X	0.94488525390625
NODE1431X	NODE915X	NODE733X	0.94482421875
NODE1432X	NODE785X	NODE1076X	0.94476318359375
NODE1433X	GENE4X	GENE2692X	0.9447021484375
NODE1434X	NODE1255X	GENE1810X	0.94464111328125
NODE1435X	NODE1138X	GENE64X	0.94464111328125
NODE1436X	NODE1214X	NODE760X	0.944580078125
NODE1437X	GENE1807X	NODE898X	0.94451904296875
NODE1438X	GENE723X	GENE165X	0.94439697265625
NODE1439X	GENE301X	GENE680X	0.9443359375
NODE1440X	GENE2249X	NODE714X	0.9443359375
NODE1441X	NODE762X	NODE472X	0.9442138671875
NODE1442X	GENE1566X	GENE2102X	0.94415283203125
NODE1443X	NODE398X	GENE1858X	0.94415283203125
NODE1444X	GENE19X	GENE1161X	0.944091796875
NODE1445X	GENE1306X	GENE682X	0.944091796875
NODE1446X	NODE611X	NODE764X	0.944091796875
NODE1447X	GENE716X	GENE1529X	0.94403076171875
NODE1448X	GENE1228X	GENE1845X	0.9439697265625
NODE1449X	NODE1009X	NODE1161X	0.94390869140625
NODE1450X	NODE1120X	GENE420X	0.94366455078125
NODE1451X	GENE170X	GENE1692X	0.94354248046875
NODE1452X	GENE225X	NODE1381X	0.9434814453125
NODE1453X	GENE1977X	GENE748X	0.943359375
NODE1454X	GENE2122X	NODE1199X	0.943359375
NODE1455X	GENE704X	NODE1011X	0.94329833984375
NODE1456X	GENE877X	GENE894X	0.94329833984375
NODE1457X	NODE738X	NODE1022X	0.94329833984375
NODE1458X	GENE2287X	GENE2162X	0.94317626953125
NODE1459X	GENE2047X	GENE1460X	0.943115234375
NODE1460X	GENE1714X	GENE349X	0.94305419921875
NODE1461X	NODE1167X	NODE982X	0.94305419921875
NODE1462X	GENE2620X	GENE111X	0.9429931640625
NODE1463X	GENE603X	GENE1842X	0.9429931640625
NODE1464X	NODE1230X	NODE1039X	0.9429931640625
NODE1465X	NODE1256X	NODE1127X	0.9429931640625
NODE1466X	NODE1288X	NODE916X	0.942626953125
NODE1467X	NODE1457X	NODE1019X	0.942626953125
NODE1468X	GENE2344X	GENE2439X	0.9423828125
NODE1469X	NODE976X	GENE2464X	0.94232177734375
NODE1470X	GENE1656X	GENE415X	0.9422607421875
NODE1471X	GENE2420X	GENE639X	0.9422607421875
NODE1472X	NODE1130X	GENE1064X	0.94219970703125
NODE1473X	NODE1376X	NODE1173X	0.942138671875
NODE1474X	NODE1035X	NODE1193X	0.9420166015625
NODE1475X	NODE1297X	NODE900X	0.9420166015625
NODE1476X	NODE970X	GENE1693X	0.94189453125
NODE1477X	GENE1281X	GENE2490X	0.94183349609375
NODE1478X	GENE2644X	GENE430X	0.94171142578125
NODE1479X	GENE1164X	GENE981X	0.941650390625
NODE1480X	NODE786X	NODE1425X	0.94158935546875
NODE1481X	GENE1861X	GENE2724X	0.9415283203125
NODE1482X	GENE781X	GENE2124X	0.94134521484375

NODE1483X	GENE1859X	GENE2557X	0.94134521484375
NODE1484X	NODE1106X	NODE687X	0.94134521484375
NODE1485X	GENE2388X	NODE381X	0.94122314453125
NODE1486X	GENE2616X	GENE557X	0.941162109375
NODE1487X	NODE1160X	NODE776X	0.941162109375
NODE1488X	GENE2343X	NODE959X	0.94110107421875
NODE1489X	GENE2322X	GENE701X	0.9410400390625
NODE1490X	GENE1256X	GENE2377X	0.94091796875
NODE1491X	NODE936X	GENE2308X	0.94085693359375
NODE1492X	NODE1038X	NODE1143X	0.94073486328125
NODE1493X	GENE426X	NODE551X	0.9405517578125
NODE1494X	NODE901X	NODE718X	0.94049072265625
NODE1495X	NODE1254X	GENE179X	0.94049072265625
NODE1496X	NODE1265X	GENE2435X	0.9404296875
NODE1497X	GENE289X	GENE1687X	0.94012451171875
NODE1498X	NODE835X	NODE1292X	0.9400634765625
NODE1499X	NODE1299X	NODE1027X	0.94000244140625
NODE1500X	NODE41X	NODE1427X	0.94000244140625
NODE1501X	GENE541X	GENE943X	0.93994140625
NODE1502X	GENE1189X	NODE672X	0.93994140625
NODE1503X	NODE619X	NODE695X	0.93994140625
NODE1504X	NODE1113X	NODE737X	0.93994140625
NODE1505X	GENE1359X	NODE1332X	0.93994140625
NODE1506X	NODE1316X	GENE1937X	0.93988037109375
NODE1507X	GENE396X	GENE1168X	0.9395751953125
NODE1508X	NODE873X	NODE1364X	0.9395751953125
NODE1509X	NODE1319X	NODE966X	0.93951416015625
NODE1510X	NODE758X	NODE1145X	0.939453125
NODE1511X	GENE59X	GENE1035X	0.93927001953125
NODE1512X	NODE1112X	NODE423X	0.939208984375
NODE1513X	NODE1126X	NODE927X	0.93914794921875
NODE1514X	GENE116X	NODE1014X	0.9390869140625
NODE1515X	GENE1269X	GENE1761X	0.93902587890625
NODE1516X	NODE174X	GENE2643X	0.93902587890625
NODE1517X	GENE2025X	GENE503X	0.93896484375
NODE1518X	GENE2440X	NODE1024X	0.93896484375
NODE1519X	GENE1406X	GENE1442X	0.9388427734375
NODE1520X	NODE1100X	NODE860X	0.9385986328125
NODE1521X	NODE1347X	NODE542X	0.9383544921875
NODE1522X	GENE1326X	NODE1162X	0.9381103515625
NODE1523X	GENE2191X	GENE221X	0.93804931640625
NODE1524X	NODE904X	NODE1091X	0.93804931640625
NODE1525X	NODE986X	NODE943X	0.93804931640625
NODE1526X	GENE484X	GENE2014X	0.93780517578125
NODE1527X	GENE347X	GENE31X	0.93768310546875
NODE1528X	NODE1264X	NODE1128X	0.93768310546875
NODE1529X	GENE2445X	GENE1959X	0.93756103515625
NODE1530X	NODE1286X	NODE570X	0.93756103515625
NODE1531X	NODE1010X	NODE816X	0.93756103515625
NODE1532X	GENE841X	NODE1300X	0.9373779296875
NODE1533X	NODE720X	NODE1154X	0.937255859375
NODE1534X	NODE1182X	NODE1031X	0.93707275390625
NODE1535X	NODE949X	NODE1243X	0.93701171875
NODE1536X	NODE1197X	NODE1094X	0.93695068359375
NODE1537X	NODE1309X	GENE1208X	0.93695068359375
NODE1538X	NODE752X	NODE734X	0.9368896484375
NODE1539X	NODE1247X	GENE12X	0.93682861328125

NODE1540X	GENE2188X	GENE1551X	0.93682861328125
NODE1541X	NODE983X	GENE2006X	0.93682861328125
NODE1542X	GENE1804X	NODE1303X	0.93670654296875
NODE1543X	GENE2666X	GENE650X	0.93658447265625
NODE1544X	GENE1474X	NODE680X	0.93658447265625
NODE1545X	GENE130X	GENE126X	0.9365234375
NODE1546X	NODE1368X	NODE825X	0.9364013671875
NODE1547X	GENE368X	NODE912X	0.93634033203125
NODE1548X	GENE94X	GENE8X	0.936279296875
NODE1549X	GENE1948X	NODE204X	0.93621826171875
NODE1550X	NODE1079X	NODE1083X	0.93621826171875
NODE1551X	NODE1345X	NODE1077X	0.93597412109375
NODE1552X	GENE2158X	GENE388X	0.935791015625
NODE1553X	GENE86X	GENE850X	0.93572998046875
NODE1554X	GENE2673X	GENE311X	0.93572998046875
NODE1555X	GENE822X	GENE248X	0.9356689453125
NODE1556X	GENE1122X	GENE515X	0.9356689453125
NODE1557X	NODE1150X	NODE1387X	0.935546875
NODE1558X	GENE700X	NODE1242X	0.93548583984375
NODE1559X	GENE2471X	GENE1815X	0.9354248046875
NODE1560X	GENE2137X	NODE1004X	0.9354248046875
NODE1561X	GENE1309X	NODE894X	0.93536376953125
NODE1562X	NODE1223X	NODE1072X	0.93536376953125
NODE1563X	NODE1163X	NODE897X	0.93524169921875
NODE1564X	GENE1545X	GENE226X	0.9351806640625
NODE1565X	NODE632X	NODE1088X	0.93511962890625
NODE1566X	NODE1215X	NODE1334X	0.9349365234375
NODE1567X	GENE1772X	GENE1614X	0.93487548828125
NODE1568X	GENE720X	GENE1696X	0.934814453125
NODE1569X	GENE1110X	GENE1463X	0.93475341796875
NODE1570X	NODE799X	NODE1185X	0.9346923828125
NODE1571X	GENE185X	GENE1801X	0.9345703125
NODE1572X	NODE878X	NODE796X	0.9344482421875
NODE1573X	NODE995X	NODE962X	0.9344482421875
NODE1574X	NODE770X	NODE1284X	0.93438720703125
NODE1575X	GENE1642X	GENE1052X	0.934326171875
NODE1576X	GENE1647X	NODE834X	0.9342041015625
NODE1577X	NODE699X	NODE1187X	0.9342041015625
NODE1578X	GENE1176X	NODE1273X	0.93408203125
NODE1579X	GENE1191X	GENE2213X	0.93402099609375
NODE1580X	NODE978X	GENE2468X	0.9339599609375
NODE1581X	GENE35X	GENE2716X	0.93389892578125
NODE1582X	GENE2094X	GENE2431X	0.93389892578125
NODE1583X	NODE1238X	NODE921X	0.93377685546875
NODE1584X	GENE201X	GENE2646X	0.9337158203125
NODE1585X	NODE885X	NODE1277X	0.93365478515625
NODE1586X	NODE824X	NODE1165X	0.93359375
NODE1587X	GENE2380X	GENE849X	0.93353271484375
NODE1588X	GENE664X	GENE2067X	0.93341064453125
NODE1589X	NODE1209X	NODE1151X	0.933349609375
NODE1590X	GENE455X	GENE1411X	0.93316650390625
NODE1591X	NODE1206X	GENE735X	0.93316650390625
NODE1592X	GENE698X	GENE492X	0.93304443359375
NODE1593X	GENE587X	GENE1365X	0.93304443359375
NODE1594X	NODE1134X	NODE865X	0.93304443359375
NODE1595X	NODE1054X	GENE640X	0.93304443359375
NODE1596X	GENE1735X	GENE1879X	0.93280029296875

NODE1597X	GENE1812X	GENE861X	0.9327392578125
NODE1598X	GENE1881X	NODE257X	0.93255615234375
NODE1599X	GENE818X	NODE1378X	0.93255615234375
NODE1600X	GENE447X	NODE1287X	0.9324951171875
NODE1601X	GENE751X	GENE690X	0.9324951171875
NODE1602X	GENE712X	GENE765X	0.93231201171875
NODE1603X	NODE702X	GENE2084X	0.93231201171875
NODE1604X	GENE1360X	GENE1962X	0.9322509765625
NODE1605X	NODE850X	NODE1339X	0.93212890625
NODE1606X	GENE2689X	GENE1488X	0.93206787109375
NODE1607X	NODE1306X	NODE1105X	0.93206787109375
NODE1608X	NODE1431X	NODE961X	0.93206787109375
NODE1609X	NODE1046X	NODE1538X	0.93206787109375
NODE1610X	GENE1253X	GENE605X	0.931884765625
NODE1611X	GENE685X	GENE1142X	0.931884765625
NODE1612X	NODE840X	GENE1020X	0.93182373046875
NODE1613X	NODE1524X	NODE584X	0.93182373046875
NODE1614X	NODE726X	NODE1204X	0.93182373046875
NODE1615X	NODE1045X	NODE1123X	0.9317626953125
NODE1616X	NODE1159X	GENE1418X	0.93157958984375
NODE1617X	NODE1461X	NODE1124X	0.93157958984375
NODE1618X	NODE1506X	NODE607X	0.9315185546875
NODE1619X	GENE2117X	GENE918X	0.93145751953125
NODE1620X	GENE2261X	GENE1846X	0.931396484375
NODE1621X	GENE2181X	NODE1000X	0.93121337890625
NODE1622X	GENE1747X	GENE2602X	0.93115234375
NODE1623X	NODE879X	NODE1473X	0.93115234375
NODE1624X	NODE1203X	NODE1383X	0.93115234375
NODE1625X	NODE1501X	GENE1036X	0.93115234375
NODE1626X	NODE1086X	NODE1070X	0.9310302734375
NODE1627X	NODE1393X	NODE721X	0.930908203125
NODE1628X	NODE1096X	NODE713X	0.9307861328125
NODE1629X	NODE1510X	NODE1305X	0.9307861328125
NODE1630X	GENE2195X	GENE1516X	0.93072509765625
NODE1631X	NODE1060X	NODE826X	0.9305419921875
NODE1632X	NODE1272X	GENE1758X	0.93035888671875
NODE1633X	NODE1194X	GENE2318X	0.9302978515625
NODE1634X	GENE100X	GENE1389X	0.93023681640625
NODE1635X	GENE1303X	GENE2023X	0.93023681640625
NODE1636X	GENE2549X	GENE1144X	0.9300537109375
NODE1637X	NODE1044X	GENE1546X	0.9300537109375
NODE1638X	GENE2028X	NODE1085X	0.9300537109375
NODE1639X	NODE1439X	NODE745X	0.9300537109375
NODE1640X	GENE2016X	GENE1277X	0.9298095703125
NODE1641X	NODE997X	NODE1389X	0.9298095703125
NODE1642X	NODE1082X	GENE1660X	0.9296875
NODE1643X	GENE1874X	GENE2665X	0.9296875
NODE1644X	NODE891X	GENE1683X	0.9296875
NODE1645X	GENE2575X	GENE269X	0.92962646484375
NODE1646X	GENE1945X	GENE1531X	0.9295654296875
NODE1647X	GENE2487X	NODE1276X	0.92938232421875
NODE1648X	NODE1036X	NODE793X	0.92919921875
NODE1649X	NODE1291X	NODE993X	0.9290771484375
NODE1650X	GENE1412X	NODE1441X	0.9290771484375
NODE1651X	NODE1477X	NODE1092X	0.9290771484375
NODE1652X	NODE874X	GENE1645X	0.928955078125
NODE1653X	NODE360X	NODE1068X	0.9287109375

NODE1654X	GENE860X	GENE1399X	0.92864990234375
NODE1655X	GENE1963X	GENE994X	0.92864990234375
NODE1656X	GENE665X	GENE2425X	0.928466796875
NODE1657X	NODE476X	NODE1372X	0.928466796875
NODE1658X	NODE1158X	NODE1520X	0.928466796875
NODE1659X	NODE1426X	NODE782X	0.92840576171875
NODE1660X	GENE1574X	GENE1394X	0.92822265625
NODE1661X	GENE263X	GENE2168X	0.9281005859375
NODE1662X	NODE1016X	NODE1531X	0.92803955078125
NODE1663X	NODE899X	NODE1279X	0.927978515625
NODE1664X	GENE1828X	NODE964X	0.9278564453125
NODE1665X	GENE783X	NODE1415X	0.92767333984375
NODE1666X	GENE1739X	GENE508X	0.9276123046875
NODE1667X	NODE1177X	NODE1069X	0.9276123046875
NODE1668X	NODE430X	NODE1043X	0.92755126953125
NODE1669X	GENE1127X	NODE913X	0.927490234375
NODE1670X	GENE2180X	GENE186X	0.9271240234375
NODE1671X	GENE374X	GENE2577X	0.9271240234375
NODE1672X	GENE2707X	GENE1685X	0.9268798828125
NODE1673X	NODE1253X	NODE1218X	0.92669677734375
NODE1674X	GENE637X	GENE251X	0.9266357421875
NODE1675X	GENE1636X	GENE2231X	0.9266357421875
NODE1676X	NODE852X	GENE1166X	0.926513671875
NODE1677X	NODE1166X	GENE1022X	0.926513671875
NODE1678X	GENE2394X	GENE1060X	0.92645263671875
NODE1679X	GENE163X	GENE1722X	0.9263916015625
NODE1680X	NODE981X	NODE906X	0.9263916015625
NODE1681X	GENE2376X	GENE308X	0.92633056640625
NODE1682X	GENE1428X	NODE1190X	0.92633056640625
NODE1683X	GENE1243X	NODE1335X	0.9261474609375
NODE1684X	GENE112X	NODE868X	0.926025390625
NODE1685X	GENE2697X	GENE2669X	0.926025390625
NODE1686X	GENE840X	GENE1048X	0.9259033203125
NODE1687X	NODE1066X	NODE1459X	0.9259033203125
NODE1688X	GENE256X	GENE1724X	0.92584228515625
NODE1689X	GENE2640X	GENE2159X	0.92584228515625
NODE1690X	GENE2177X	NODE1125X	0.92547607421875
NODE1691X	GENE528X	GENE1558X	0.92535400390625
NODE1692X	NODE1188X	NODE1312X	0.92535400390625
NODE1693X	NODE1191X	GENE146X	0.92535400390625
NODE1694X	GENE916X	NODE1192X	0.92535400390625
NODE1695X	NODE1504X	NODE749X	0.92535400390625
NODE1696X	GENE2256X	GENE2479X	0.92529296875
NODE1697X	GENE1547X	GENE1690X	0.9251708984375
NODE1698X	NODE1320X	GENE2274X	0.925048828125
NODE1699X	GENE2416X	GENE38X	0.9249267578125
NODE1700X	GENE1651X	GENE2115X	0.92486572265625
NODE1701X	GENE1193X	GENE2321X	0.9248046875
NODE1702X	NODE1574X	NODE1432X	0.9246826171875
NODE1703X	GENE1884X	GENE743X	0.924560546875
NODE1704X	NODE1341X	NODE1156X	0.924560546875
NODE1705X	GENE2693X	GENE254X	0.92449951171875
NODE1706X	GENE1942X	GENE1201X	0.92449951171875
NODE1707X	GENE2680X	GENE1565X	0.92449951171875
NODE1708X	NODE1240X	NODE1373X	0.92449951171875
NODE1709X	GENE2695X	GENE294X	0.9244384765625
NODE1710X	NODE836X	GENE2066X	0.9244384765625

NODE1711X	NODE1397X	NODE1226X	0.92425537109375
NODE1712X	GENE44X	GENE2383X	0.92413330078125
NODE1713X	GENE931X	GENE439X	0.924072265625
NODE1714X	NODE1434X	NODE1062X	0.92388916015625
NODE1715X	NODE989X	NODE1410X	0.923828125
NODE1716X	GENE2498X	GENE1328X	0.92376708984375
NODE1717X	NODE1208X	NODE1195X	0.9237060546875
NODE1718X	NODE1251X	NODE1594X	0.92352294921875
NODE1719X	GENE325X	NODE1338X	0.9234619140625
NODE1720X	NODE1050X	NODE1408X	0.9232177734375
NODE1721X	GENE789X	GENE461X	0.92303466796875
NODE1722X	NODE1474X	NODE1653X	0.9229736328125
NODE1723X	NODE1311X	NODE1280X	0.92291259765625
NODE1724X	NODE963X	GENE695X	0.9228515625
NODE1725X	NODE1212X	NODE1446X	0.9227294921875
NODE1726X	GENE1550X	GENE216X	0.9224853515625
NODE1727X	NODE1298X	GENE1615X	0.92242431640625
NODE1728X	NODE1006X	GENE592X	0.92236328125
NODE1729X	GENE1409X	NODE1321X	0.92236328125
NODE1730X	GENE1899X	NODE1087X	0.9222412109375
NODE1731X	GENE487X	GENE728X	0.92205810546875
NODE1732X	GENE2587X	NODE1268X	0.92205810546875
NODE1733X	GENE835X	NODE1398X	0.9219970703125
NODE1734X	NODE1228X	GENE1600X	0.921875
NODE1735X	NODE1059X	NODE1447X	0.92169189453125
NODE1736X	GENE1085X	GENE25X	0.921630859375
NODE1737X	NODE1178X	NODE1525X	0.92144775390625
NODE1738X	GENE929X	NODE1304X	0.92138671875
NODE1739X	GENE933X	GENE2433X	0.92120361328125
NODE1740X	GENE816X	GENE2652X	0.921142578125
NODE1741X	NODE1399X	NODE1554X	0.92095947265625
NODE1742X	GENE452X	GENE454X	0.9208984375
NODE1743X	GENE2359X	NODE1451X	0.9208984375
NODE1744X	NODE1382X	GENE2305X	0.92083740234375
NODE1745X	NODE1365X	NODE1370X	0.92083740234375
NODE1746X	GENE1697X	GENE319X	0.92071533203125
NODE1747X	NODE844X	NODE1658X	0.92059326171875
NODE1748X	NODE1171X	NODE861X	0.9205322265625
NODE1749X	GENE1521X	GENE2590X	0.92041015625
NODE1750X	NODE1029X	GENE1998X	0.92041015625
NODE1751X	GENE2438X	NODE973X	0.92034912109375
NODE1752X	GENE597X	GENE1237X	0.92022705078125
NODE1753X	NODE624X	NODE1392X	0.920166015625
NODE1754X	GENE192X	GENE413X	0.9200439453125
NODE1755X	GENE2504X	GENE2253X	0.9200439453125
NODE1756X	GENE2615X	GENE63X	0.919921875
NODE1757X	GENE1312X	NODE1449X	0.9197998046875
NODE1758X	NODE1275X	NODE1056X	0.9197998046875
NODE1759X	GENE2670X	GENE41X	0.919677734375
NODE1760X	NODE1104X	GENE1618X	0.91961669921875
NODE1761X	NODE1241X	GENE1465X	0.9195556640625
NODE1762X	NODE931X	NODE932X	0.91949462890625
NODE1763X	NODE1262X	NODE1152X	0.91949462890625
NODE1764X	NODE1394X	NODE1527X	0.91943359375
NODE1765X	GENE527X	GENE526X	0.919189453125
NODE1766X	GENE1896X	GENE947X	0.91912841796875
NODE1767X	NODE1282X	NODE1008X	0.91912841796875

NODE1768X	GENE2700X	GENE344X	0.9189453125
NODE1769X	NODE1109X	NODE1536X	0.91888427734375
NODE1770X	NODE1198X	NODE887X	0.9188232421875
NODE1771X	GENE909X	NODE1201X	0.91827392578125
NODE1772X	NODE1139X	NODE1269X	0.918212890625
NODE1773X	GENE2141X	NODE1174X	0.91802978515625
NODE1774X	GENE692X	GENE2494X	0.91790771484375
NODE1775X	GENE1655X	NODE106X	0.91766357421875
NODE1776X	GENE1792X	GENE578X	0.9176025390625
NODE1777X	GENE2133X	NODE1021X	0.91754150390625
NODE1778X	GENE1931X	NODE1217X	0.9173583984375
NODE1779X	NODE951X	GENE1324X	0.917236328125
NODE1780X	NODE1175X	NODE1313X	0.917236328125
NODE1781X	NODE1620X	GENE2170X	0.91717529296875
NODE1782X	GENE2610X	GENE1523X	0.91705322265625
NODE1783X	NODE1330X	NODE1317X	0.91705322265625
NODE1784X	NODE1551X	NODE1210X	0.9168701171875
NODE1785X	NODE1207X	NODE1220X	0.91680908203125
NODE1786X	NODE1352X	NODE1442X	0.91680908203125
NODE1787X	NODE1327X	GENE1943X	0.916748046875
NODE1788X	GENE972X	GENE1028X	0.91668701171875
NODE1789X	GENE2636X	NODE1436X	0.91668701171875
NODE1790X	NODE1061X	NODE1142X	0.9166259765625
NODE1791X	NODE1606X	GENE2688X	0.91656494140625
NODE1792X	NODE1293X	NODE1396X	0.91656494140625
NODE1793X	NODE1005X	NODE1136X	0.91650390625
NODE1794X	NODE1435X	NODE1413X	0.91650390625
NODE1795X	NODE1037X	NODE1360X	0.91632080078125
NODE1796X	NODE1110X	NODE1090X	0.91632080078125
NODE1797X	GENE2135X	NODE1244X	0.916259765625
NODE1798X	GENE2442X	NODE1001X	0.916259765625
NODE1799X	NODE1468X	NODE1715X	0.9161376953125
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NODE1801X	NODE882X	NODE1409X	0.915771484375
NODE1802X	NODE1454X	NODE1051X	0.915771484375
NODE1803X	NODE1258X	NODE1683X	0.915771484375
NODE1804X	NODE1157X	NODE1466X	0.91571044921875
NODE1805X	NODE1278X	GENE794X	0.9156494140625
NODE1806X	NODE1119X	NODE1337X	0.91552734375
NODE1807X	GENE1903X	NODE974X	0.91546630859375
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NODE1810X	GENE2192X	NODE1343X	0.9151611328125
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NODE1812X	GENE1484X	GENE817X	0.91510009765625
NODE1813X	NODE467X	NODE1564X	0.91510009765625
NODE1814X	GENE2685X	GENE1557X	0.9149169921875
NODE1815X	NODE1078X	GENE1413X	0.914794921875
NODE1816X	NODE1260X	NODE1711X	0.914794921875
NODE1817X	GENE277X	GENE261X	0.9146728515625
NODE1818X	NODE1547X	GENE1767X	0.91448974609375
NODE1819X	NODE1095X	NODE1423X	0.91448974609375
NODE1820X	NODE1179X	NODE1542X	0.914306640625
NODE1821X	NODE938X	GENE2076X	0.9141845703125
NODE1822X	GENE491X	GENE2241X	0.91400146484375
NODE1823X	GENE1128X	GENE869X	0.9139404296875
NODE1824X	NODE1562X	NODE1467X	0.9139404296875

NODE1825X	GENE389X	GENE1443X	0.91375732421875
NODE1826X	NODE1285X	NODE1358X	0.91351318359375
NODE1827X	NODE928X	NODE1357X	0.91290283203125
NODE1828X	GENE595X	GENE683X	0.9124755859375
NODE1829X	NODE1530X	GENE738X	0.9124755859375
NODE1830X	NODE1614X	NODE1402X	0.91241455078125
NODE1831X	NODE1518X	GENE1163X	0.91229248046875
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NODE1833X	NODE1437X	NODE1680X	0.91204833984375
NODE1834X	NODE1040X	NODE1349X	0.9119873046875
NODE1835X	NODE1295X	GENE1794X	0.91180419921875
NODE1836X	GENE759X	GENE340X	0.91107177734375
NODE1837X	NODE1354X	GENE2448X	0.91107177734375
NODE1838X	NODE1555X	NODE1707X	0.910888671875
NODE1839X	NODE1833X	NODE1535X	0.910888671875
NODE1840X	NODE1668X	NODE1324X	0.91082763671875
NODE1841X	GENE138X	NODE1237X	0.9107666015625
NODE1842X	NODE1600X	NODE1131X	0.9107666015625
NODE1843X	NODE1301X	NODE1612X	0.91070556640625
NODE1844X	GENE1512X	GENE148X	0.91064453125
NODE1845X	GENE928X	NODE1098X	0.91064453125
NODE1846X	GENE152X	GENE1563X	0.91058349609375
NODE1847X	GENE250X	GENE1952X	0.91058349609375
NODE1848X	NODE1176X	GENE1932X	0.9105224609375
NODE1849X	NODE1557X	NODE1631X	0.9102783203125
NODE1850X	GENE631X	NODE1133X	0.91009521484375
NODE1851X	NODE1048X	NODE1577X	0.91009521484375
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NODE1857X	NODE1359X	NODE1718X	0.909423828125
NODE1858X	NODE1290X	NODE1331X	0.9091796875
NODE1859X	NODE1407X	NODE1487X	0.90911865234375
NODE1860X	GENE1652X	GENE1974X	0.9090576171875
NODE1861X	GENE2311X	GENE1944X	0.908935546875
NODE1862X	GENE88X	GENE1088X	0.90887451171875
NODE1863X	NODE1414X	NODE1443X	0.9088134765625
NODE1864X	GENE2663X	GENE696X	0.90875244140625
NODE1865X	NODE1117X	NODE1665X	0.90869140625
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NODE1867X	GENE2446X	GENE2681X	0.90863037109375
NODE1868X	NODE1511X	GENE2690X	0.90850830078125
NODE1869X	GENE1657X	NODE1250X	0.9083251953125
NODE1870X	NODE1543X	GENE395X	0.90826416015625
NODE1871X	GENE859X	GENE2717X	0.908203125
NODE1872X	GENE1629X	GENE2021X	0.908203125
NODE1873X	GENE1206X	GENE1466X	0.9080810546875
NODE1874X	GENE2682X	GENE1419X	0.90789794921875
NODE1875X	NODE1002X	NODE1599X	0.90789794921875
NODE1876X	NODE1464X	NODE1692X	0.90789794921875
NODE1877X	GENE2349X	NODE1322X	0.90777587890625
NODE1878X	NODE1052X	NODE1566X	0.9075927734375
NODE1879X	GENE616X	NODE1375X	0.90704345703125
NODE1880X	GENE2323X	NODE1573X	0.906982421875
NODE1881X	GENE1648X	GENE976X	0.90692138671875

NODE1882X	GENE1877X	GENE1679X	0.90692138671875
NODE1883X	NODE1101X	GENE1362X	0.9068603515625
NODE1884X	NODE1239X	NODE1663X	0.906494140625
NODE1885X	GENE733X	GENE497X	0.90625
NODE1886X	GENE219X	GENE200X	0.9061279296875
NODE1887X	NODE1248X	NODE1465X	0.90570068359375
NODE1888X	GENE1811X	GENE2182X	0.9056396484375
NODE1889X	NODE923X	NODE1508X	0.90533447265625
NODE1890X	NODE1509X	NODE1528X	0.90533447265625
NODE1891X	NODE1115X	NODE1588X	0.9052734375
NODE1892X	NODE1580X	NODE1622X	0.9052734375
NODE1893X	NODE1315X	NODE1216X	0.90509033203125
NODE1894X	NODE1362X	NODE1737X	0.905029296875
NODE1895X	NODE1448X	NODE1424X	0.90472412109375
NODE1896X	NODE1318X	NODE1164X	0.9046630859375
NODE1897X	NODE1745X	NODE1475X	0.90460205078125
NODE1898X	GENE1268X	GENE1287X	0.904541015625
NODE1899X	NODE930X	NODE1391X	0.90447998046875
NODE1900X	NODE1440X	GENE1537X	0.904052734375
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NODE1902X	GENE1957X	GENE624X	0.90386962890625
NODE1903X	NODE1025X	NODE1627X	0.90380859375
NODE1904X	NODE690X	GENE1113X	0.90362548828125
NODE1905X	NODE1328X	NODE1696X	0.90362548828125
NODE1906X	NODE1492X	NODE1623X	0.903564453125
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NODE1910X	GENE1054X	NODE1579X	0.90325927734375
NODE1911X	NODE1758X	NODE1456X	0.9031982421875
NODE1912X	GENE257X	NODE282X	0.90313720703125
NODE1913X	NODE1609X	NODE980X	0.90313720703125
NODE1914X	GENE2106X	GENE2044X	0.9029541015625
NODE1915X	NODE1642X	NODE1795X	0.90228271484375
NODE1916X	NODE1821X	NODE1602X	0.90228271484375
NODE1917X	GENE907X	GENE828X	0.90191650390625
NODE1918X	GENE2701X	GENE2189X	0.9017333984375
NODE1919X	NODE1257X	NODE1403X	0.90142822265625
NODE1920X	NODE1823X	GENE1541X	0.9012451171875
NODE1921X	NODE1709X	GENE1305X	0.90118408203125
NODE1922X	GENE1719X	NODE1205X	0.90106201171875
NODE1923X	GENE2554X	GENE1641X	0.90087890625
NODE1924X	NODE1186X	NODE1146X	0.900634765625
NODE1925X	NODE1724X	NODE1377X	0.90057373046875
NODE1926X	NODE1326X	NODE1708X	0.900390625
NODE1927X	NODE1371X	NODE1379X	0.900390625
NODE1928X	NODE1688X	GENE2275X	0.900390625
NODE1929X	NODE924X	GENE807X	0.89996337890625
NODE1930X	NODE884X	NODE1583X	0.89996337890625
NODE1931X	NODE1348X	NODE1858X	0.89996337890625
NODE1932X	GENE870X	NODE1575X	0.89984130859375
NODE1933X	GENE134X	GENE7X	0.8997802734375
NODE1934X	NODE1183X	NODE1691X	0.89959716796875
NODE1935X	GENE1025X	NODE402X	0.8995361328125
NODE1936X	GENE2469X	GENE407X	0.89947509765625
NODE1937X	GENE2651X	GENE2662X	0.89935302734375
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NODE1939X	GENE1398X	GENE1034X	0.89923095703125
NODE1940X	GENE2568X	GENE92X	0.89862060546875
NODE1941X	NODE1900X	NODE1366X	0.8985595703125
NODE1942X	GENE1979X	GENE2406X	0.8984375
NODE1943X	GENE392X	NODE1780X	0.89813232421875
NODE1944X	GENE2600X	GENE83X	0.89801025390625
NODE1945X	GENE1669X	GENE921X	0.8975830078125
NODE1946X	GENE1853X	GENE2266X	0.89727783203125
NODE1947X	NODE1548X	GENE1664X	0.897216796875
NODE1948X	NODE1560X	NODE1778X	0.897216796875
NODE1949X	GENE2456X	GENE2169X	0.89715576171875
NODE1950X	GENE1707X	NODE1840X	0.8970947265625
NODE1951X	GENE785X	GENE463X	0.89703369140625
NODE1952X	NODE1356X	NODE1643X	0.89703369140625
NODE1953X	GENE2265X	NODE1041X	0.89697265625
NODE1954X	NODE1430X	NODE1132X	0.896484375
NODE1955X	GENE2582X	GENE2581X	0.896240234375
NODE1956X	NODE1482X	NODE1224X	0.89617919921875
NODE1957X	NODE1411X	NODE1235X	0.8961181640625
NODE1958X	NODE1713X	NODE1534X	0.89599609375
NODE1959X	NODE1261X	GENE74X	0.89593505859375
NODE1960X	NODE1604X	NODE1329X	0.895751953125
NODE1961X	NODE910X	NODE1384X	0.89569091796875
NODE1962X	NODE1667X	GENE1733X	0.8955078125
NODE1963X	GENE2281X	GENE620X	0.89544677734375
NODE1964X	GENE2121X	GENE2331X	0.89532470703125
NODE1965X	NODE1234X	NODE1800X	0.89532470703125
NODE1966X	NODE1584X	NODE1221X	0.8951416015625
NODE1967X	GENE2531X	NODE1420X	0.89508056640625
NODE1968X	GENE1550X	NODE1097X	0.89501953125
NODE1969X	NODE1567X	GENE2303X	0.89495849609375
NODE1970X	NODE1544X	NODE1513X	0.8946533203125
NODE1971X	GENE1797X	GENE1006X	0.89459228515625
NODE1972X	NODE1704X	NODE1664X	0.89447021484375
NODE1973X	NODE1416X	NODE1289X	0.8944091796875
NODE1974X	GENE1092X	GENE917X	0.8939208984375
NODE1975X	GENE2699X	GENE647X	0.89385986328125
NODE1976X	GENE2411X	NODE1568X	0.89361572265625
NODE1977X	NODE967X	NODE1486X	0.89349365234375
NODE1978X	GENE6X	NODE1514X	0.89306640625
NODE1979X	GENE2486X	GENE2529X	0.8929443359375
NODE1980X	GENE1799X	GENE2606X	0.892578125
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NODE1982X	GENE891X	GENE2503X	0.891845703125
NODE1983X	NODE1861X	NODE1445X	0.891845703125
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NODE1986X	NODE1405X	NODE1485X	0.8917236328125
NODE1987X	GENE1320X	GENE900X	0.89141845703125
NODE1988X	NODE1585X	NODE1469X	0.89111328125
NODE1989X	NODE1689X	GENE507X	0.8909912109375
NODE1990X	GENE1580X	NODE1549X	0.8909912109375
NODE1991X	NODE1493X	NODE1346X	0.8909912109375
NODE1992X	NODE1911X	GENE2566X	0.89093017578125
NODE1993X	NODE1498X	NODE1798X	0.89044189453125
NODE1994X	GENE1257X	GENE2655X	0.88983154296875
NODE1995X	NODE1480X	NODE1605X	0.88983154296875

NODE1996X	NODE1267X	GENE209X	0.8895263671875
NODE1997X	GENE2053X	GENE1883X	0.8895263671875
NODE1998X	NODE1233X	NODE1390X	0.88916015625
NODE1999X	GENE797X	GENE1995X	0.8887939453125
NODE2000X	NODE1342X	NODE917X	0.88824462890625
NODE2001X	NODE1225X	NODE1503X	0.8880615234375
NODE2002X	NODE1462X	GENE2678X	0.887939453125
NODE2003X	NODE1744X	GENE2020X	0.88787841796875
NODE2004X	NODE1819X	NODE1682X	0.88775634765625
NODE2005X	NODE1406X	NODE1927X	0.8876953125
NODE2006X	NODE1521X	GENE1771X	0.8875732421875
NODE2007X	NODE1913X	NODE1767X	0.88720703125
NODE2008X	NODE1820X	NODE1296X	0.88714599609375
NODE2009X	NODE1723X	NODE1673X	0.88690185546875
NODE2010X	GENE1159X	GENE1055X	0.88641357421875
NODE2011X	NODE1684X	GENE2387X	0.88629150390625
NODE2012X	NODE1374X	NODE1980X	0.88616943359375
NODE2013X	NODE1168X	GENE110X	0.88604736328125
NODE2014X	NODE1361X	NODE1533X	0.88592529296875
NODE2015X	GENE2085X	NODE1093X	0.8858642578125
NODE2016X	GENE354X	NODE1135X	0.88580322265625
NODE2017X	GENE1910X	NODE1367X	0.8857421875
NODE2018X	GENE948X	NODE1463X	0.8856201171875
NODE2019X	GENE1016X	GENE2140X	0.88543701171875
NODE2020X	NODE1772X	NODE1452X	0.885009765625
NODE2021X	NODE1590X	GENE1830X	0.8846435546875
NODE2022X	NODE1893X	NODE1651X	0.88458251953125
NODE2023X	NODE1637X	NODE1750X	0.88446044921875
NODE2024X	NODE1722X	NODE1720X	0.88446044921875
NODE2025X	GENE1986X	GENE2556X	0.88427734375
NODE2026X	GENE1182X	NODE1515X	0.88421630859375
NODE2027X	GENE1911X	NODE1433X	0.88409423828125
NODE2028X	NODE1617X	GENE2264X	0.884033203125
NODE2029X	NODE1655X	NODE1137X	0.8837890625
NODE2030X	NODE1572X	NODE1818X	0.88360595703125
NODE2031X	GENE681X	GENE1871X	0.8834228515625
NODE2032X	NODE1499X	NODE1995X	0.88336181640625
NODE2033X	GENE75X	NODE1438X	0.88330078125
NODE2034X	NODE1598X	GENE2099X	0.88330078125
NODE2035X	GENE1039X	GENE1339X	0.8831787109375
NODE2036X	NODE1476X	NODE1281X	0.88311767578125
NODE2037X	NODE1516X	NODE1733X	0.88311767578125
NODE2038X	NODE1703X	NODE1219X	0.88287353515625
NODE2039X	NODE1886X	GENE2675X	0.882568359375
NODE2040X	GENE1437X	NODE1705X	0.88214111328125
NODE2041X	GENE839X	NODE1213X	0.882080078125
NODE2042X	NODE1616X	NODE1450X	0.882080078125
NODE2043X	NODE1539X	NODE1649X	0.88177490234375
NODE2044X	GENE1240X	NODE1526X	0.8814697265625
NODE2045X	NODE1294X	NODE1641X	0.88140869140625
NODE2046X	NODE1589X	NODE1763X	0.88134765625
NODE2047X	NODE1792X	NODE1876X	0.88134765625
NODE2048X	NODE1697X	NODE1699X	0.881103515625
NODE2049X	NODE1725X	NODE1153X	0.88104248046875
NODE2050X	NODE1887X	NODE1380X	0.880615234375
NODE2051X	NODE1266X	NODE1333X	0.8804931640625
NODE2052X	NODE1894X	NODE1857X	0.88043212890625

NODE2053X	NODE1404X	NODE1734X	0.87994384765625
NODE2054X	NODE1638X	GENE804X	0.8798828125
NODE2055X	GENE2045X	GENE2466X	0.87896728515625
NODE2056X	NODE1706X	GENE1569X	0.8785400390625
NODE2057X	NODE1866X	NODE1753X	0.8785400390625
NODE2058X	NODE2004X	NODE1659X	0.87847900390625
NODE2059X	NODE1797X	NODE1648X	0.87835693359375
NODE2060X	NODE1455X	NODE1147X	0.8780517578125
NODE2061X	NODE1816X	NODE1608X	0.87786865234375
NODE2062X	NODE1639X	NODE1395X	0.8773193359375
NODE2063X	NODE1748X	NODE1855X	0.87725830078125
NODE2064X	NODE1429X	GENE2293X	0.8765869140625
NODE2065X	NODE1323X	GENE2304X	0.87652587890625
NODE2066X	NODE1896X	NODE1502X	0.87640380859375
NODE2067X	NODE1529X	NODE1739X	0.87628173828125
NODE2068X	NODE1808X	NODE1652X	0.87628173828125
NODE2069X	GENE2412X	GENE1619X	0.876220703125
NODE2070X	NODE1336X	GENE505X	0.87615966796875
NODE2071X	NODE1694X	NODE1830X	0.87615966796875
NODE2072X	NODE1878X	NODE1809X	0.87591552734375
NODE2073X	GENE1255X	GENE1383X	0.87530517578125
NODE2074X	GENE2624X	GENE1511X	0.87469482421875
NODE2075X	GENE1754X	GENE1555X	0.87408447265625
NODE2076X	NODE1771X	GENE2656X	0.8739013671875
NODE2077X	NODE1353X	NODE1512X	0.8739013671875
NODE2078X	NODE1640X	NODE1802X	0.8736572265625
NODE2079X	GENE206X	GENE2165X	0.87353515625
NODE2080X	GENE2290X	GENE1241X	0.87261962890625
NODE2081X	NODE1785X	NODE1596X	0.87261962890625
NODE2082X	NODE1494X	NODE1803X	0.87237548828125
NODE2083X	GENE2220X	NODE1790X	0.872314453125
NODE2084X	GENE1116X	GENE2300X	0.8721923828125
NODE2085X	GENE2077X	NODE1686X	0.87158203125
NODE2086X	NODE1444X	NODE1607X	0.87158203125
NODE2087X	NODE1854X	NODE1807X	0.87158203125
NODE2088X	NODE1541X	NODE1302X	0.87115478515625
NODE2089X	NODE1490X	NODE1491X	0.870849609375
NODE2090X	GENE2721X	NODE1401X	0.87066650390625
NODE2091X	GENE1556X	GENE553X	0.8701171875
NODE2092X	NODE1666X	GENE1946X	0.8697509765625
NODE2093X	NODE1925X	NODE1783X	0.8692626953125
NODE2094X	NODE1421X	NODE1144X	0.868896484375
NODE2095X	GENE868X	GENE2090X	0.8687744140625
NODE2096X	NODE1650X	NODE1586X	0.8687744140625
NODE2097X	GENE1503X	NODE1836X	0.86871337890625
NODE2098X	NODE1729X	NODE78X	0.86865234375
NODE2099X	GENE141X	GENE1323X	0.8680419921875
NODE2100X	NODE1882X	GENE419X	0.86798095703125
NODE2101X	GENE658X	NODE1935X	0.867919921875
NODE2102X	GENE184X	NODE1249X	0.86785888671875
NODE2103X	NODE937X	NODE1592X	0.86761474609375
NODE2104X	GENE512X	GENE2233X	0.867431640625
NODE2105X	GENE2302X	GENE2263X	0.86724853515625
NODE2106X	NODE1184X	NODE1761X	0.86724853515625
NODE2107X	NODE1756X	NODE1283X	0.8671875
NODE2108X	NODE1743X	NODE1505X	0.866943359375
NODE2109X	NODE1937X	NODE1141X	0.8668212890625

NODE2110X	GENE2570X	NODE1386X	0.86651611328125
NODE2111X	NODE1635X	NODE1768X	0.86627197265625
NODE2112X	NODE1271X	NODE1479X	0.86614990234375
NODE2113X	NODE2028X	NODE1626X	0.86614990234375
NODE2114X	GENE717X	NODE817X	0.86602783203125
NODE2115X	NODE1852X	NODE1804X	0.86578369140625
NODE2116X	NODE1872X	NODE1630X	0.86572265625
NODE2117X	GENE154X	GENE2103X	0.8656005859375
NODE2118X	NODE1751X	GENE537X	0.86541748046875
NODE2119X	NODE1500X	NODE1629X	0.86529541015625
NODE2120X	GENE144X	NODE1570X	0.86517333984375
NODE2121X	NODE1325X	NODE1977X	0.86517333984375
NODE2122X	NODE1453X	GENE648X	0.8648681640625
NODE2123X	NODE1899X	NODE1841X	0.8648681640625
NODE2124X	NODE1471X	GENE1513X	0.86468505859375
NODE2125X	NODE1920X	NODE1675X	0.86431884765625
NODE2126X	NODE1828X	GENE1329X	0.8636474609375
NODE2127X	GENE2057X	GENE2036X	0.86358642578125
NODE2128X	GENE1897X	GENE229X	0.86328125
NODE2129X	NODE1939X	GENE1464X	0.86322021484375
NODE2130X	NODE1890X	NODE2005X	0.86309814453125
NODE2131X	NODE1307X	NODE1779X	0.8629150390625
NODE2132X	GENE79X	GENE467X	0.86285400390625
NODE2133X	NODE1806X	NODE1702X	0.86273193359375
NODE2134X	NODE2086X	NODE1851X	0.862548828125
NODE2135X	NODE1993X	NODE1784X	0.86248779296875
NODE2136X	NODE1412X	GENE618X	0.8623046875
NODE2137X	GENE1049X	NODE1774X	0.86224365234375
NODE2138X	NODE2037X	GENE2012X	0.86163330078125
NODE2139X	NODE1519X	NODE1815X	0.8612060546875
NODE2140X	GENE1519X	NODE2069X	0.86090087890625
NODE2141X	GENE1781X	NODE2001X	0.86029052734375
NODE2142X	NODE1943X	NODE1972X	0.860107421875
NODE2143X	NODE1690X	NODE1719X	0.86004638671875
NODE2144X	GENE434X	GENE1886X	0.8597412109375
NODE2145X	GENE2454X	GENE514X	0.85955810546875
NODE2146X	NODE1906X	NODE1958X	0.8594970703125
NODE2147X	NODE1355X	NODE1990X	0.85931396484375
NODE2148X	NODE1898X	NODE1850X	0.85919189453125
NODE2149X	NODE1831X	NODE1645X	0.8590087890625
NODE2150X	NODE1481X	NODE1796X	0.8590087890625
NODE2151X	NODE1891X	GENE1789X	0.8587646484375
NODE2152X	NODE1801X	NODE2085X	0.8587646484375
NODE2153X	NODE1561X	NODE1597X	0.858642578125
NODE2154X	GENE2698X	NODE1942X	0.85858154296875
NODE2155X	GENE499X	NODE1721X	0.8583984375
NODE2156X	NODE1647X	NODE1827X	0.8582763671875
NODE2157X	NODE1172X	GENE883X	0.8577880859375
NODE2158X	GENE2184X	NODE1736X	0.8575439453125
NODE2159X	NODE1919X	NODE1930X	0.85736083984375
NODE2160X	NODE1681X	NODE1716X	0.8572998046875
NODE2161X	NODE1546X	NODE1897X	0.85687255859375
NODE2162X	GENE43X	GENE2397X	0.85662841796875
NODE2163X	NODE1769X	NODE2030X	0.8563232421875
NODE2164X	GENE764X	NODE1908X	0.8560791015625
NODE2165X	NODE1879X	NODE1483X	0.85565185546875
NODE2166X	NODE1839X	NODE2047X	0.8553466796875

NODE2167X	NODE50X	NODE1695X	0.855224609375
NODE2168X	NODE1507X	NODE1922X	0.855224609375
NODE2169X	NODE1618X	NODE1728X	0.85467529296875
NODE2170X	NODE1762X	GENE2405X	0.8544921875
NODE2171X	GENE305X	GENE411X	0.85443115234375
NODE2172X	NODE1742X	NODE1788X	0.8536376953125
NODE2173X	NODE1735X	NODE1478X	0.85345458984375
NODE2174X	NODE1832X	GENE1134X	0.85333251953125
NODE2175X	NODE1497X	NODE1687X	0.8531494140625
NODE2176X	NODE1884X	NODE2046X	0.8531494140625
NODE2177X	NODE1540X	GENE2683X	0.85302734375
NODE2178X	NODE2122X	NODE1975X	0.85296630859375
NODE2179X	NODE2032X	NODE1859X	0.8529052734375
NODE2180X	NODE1960X	NODE1967X	0.85284423828125
NODE2181X	NODE1865X	NODE1929X	0.85272216796875
NODE2182X	GENE1037X	NODE1749X	0.85235595703125
NODE2183X	NODE1834X	NODE2020X	0.852294921875
NODE2184X	NODE2033X	NODE1671X	0.85223388671875
NODE2185X	NODE1773X	GENE2658X	0.85174560546875
NODE2186X	NODE1569X	NODE1556X	0.85162353515625
NODE2187X	GENE1449X	NODE1883X	0.8514404296875
NODE2188X	NODE1849X	NODE1956X	0.85113525390625
NODE2189X	NODE2101X	GENE1852X	0.85113525390625
NODE2190X	NODE1843X	NODE1869X	0.85107421875
NODE2191X	GENE1032X	GENE361X	0.8509521484375
NODE2192X	NODE2051X	NODE1845X	0.8507080078125
NODE2193X	NODE1738X	NODE2050X	0.850341796875
NODE2194X	NODE1904X	GENE2720X	0.85028076171875
NODE2195X	NODE1458X	NODE1998X	0.8502197265625
NODE2196X	NODE2082X	NODE2133X	0.85015869140625
NODE2197X	NODE1825X	NODE2103X	0.85009765625
NODE2198X	NODE1676X	GENE1121X	0.8497314453125
NODE2199X	GENE2667X	GENE1741X	0.84918212890625
NODE2200X	NODE2009X	NODE1747X	0.84893798828125
NODE2201X	NODE1571X	NODE1862X	0.848388671875
NODE2202X	NODE1741X	GENE1271X	0.847900390625
NODE2203X	GENE1905X	GENE431X	0.84765625
NODE2204X	NODE1760X	NODE1308X	0.8472900390625
NODE2205X	NODE1757X	NODE1968X	0.8472900390625
NODE2206X	NODE2003X	NODE1856X	0.84661865234375
NODE2207X	GENE1688X	NODE1621X	0.846435546875
NODE2208X	NODE1698X	NODE1917X	0.84625244140625
NODE2209X	NODE2049X	NODE1417X	0.84613037109375
NODE2210X	GENE756X	NODE1945X	0.8455810546875
NODE2211X	NODE1754X	GENE307X	0.8450927734375
NODE2212X	NODE2070X	NODE1880X	0.84503173828125
NODE2213X	GENE181X	GENE150X	0.84454345703125
NODE2214X	NODE1732X	NODE1902X	0.84454345703125
NODE2215X	NODE1613X	NODE2072X	0.8443603515625
NODE2216X	GENE2530X	GENE1385X	0.84423828125
NODE2217X	NODE1764X	GENE1051X	0.843994140625
NODE2218X	NODE1901X	NODE2071X	0.843994140625
NODE2219X	NODE1581X	NODE1672X	0.84393310546875
NODE2220X	NODE1794X	NODE2042X	0.84344482421875
NODE2221X	NODE1837X	NODE1986X	0.84344482421875
NODE2222X	NODE1080X	NODE2169X	0.84246826171875
NODE2223X	NODE1875X	NODE1791X	0.842041015625

NODE2224X	NODE1644X	NODE1805X	0.84197998046875
NODE2225X	GENE1689X	GENE1230X	0.841796875
NODE2226X	NODE2168X	GENE2239X	0.8414306640625
NODE2227X	NODE1657X	NODE1789X	0.8411865234375
NODE2228X	NODE673X	NODE1552X	0.841064453125
NODE2229X	GENE2476X	GENE779X	0.84027099609375
NODE2230X	NODE1961X	NODE2113X	0.83990478515625
NODE2231X	NODE1710X	GENE246X	0.83978271484375
NODE2232X	GENE2139X	GENE315X	0.83978271484375
NODE2233X	GENE230X	GENE1621X	0.839111328125
NODE2234X	NODE1619X	NODE1517X	0.8389892578125
NODE2235X	NODE1915X	NODE2188X	0.8387451171875
NODE2236X	NODE2065X	NODE2062X	0.83843994140625
NODE2237X	NODE1418X	GENE1808X	0.83697509765625
NODE2238X	NODE1889X	NODE2166X	0.83660888671875
NODE2239X	GENE1091X	GENE598X	0.83648681640625
NODE2240X	GENE1007X	NODE1765X	0.83642578125
NODE2241X	NODE1714X	NODE1731X	0.83636474609375
NODE2242X	NODE1959X	NODE2161X	0.83587646484375
NODE2243X	NODE1966X	GENE2598X	0.83538818359375
NODE2244X	NODE1674X	GENE293X	0.83526611328125
NODE2245X	NODE2078X	NODE1864X	0.835205078125
NODE2246X	NODE2043X	NODE2023X	0.834716796875
NODE2247X	GENE232X	NODE1661X	0.83447265625
NODE2248X	NODE1712X	GENE118X	0.83416748046875
NODE2249X	NODE1954X	NODE1952X	0.833740234375
NODE2250X	NODE2130X	NODE2052X	0.833740234375
NODE2251X	NODE1981X	NODE1522X	0.8333740234375
NODE2252X	GENE190X	GENE924X	0.83331298828125
NODE2253X	GENE1023X	NODE2153X	0.8328857421875
NODE2254X	GENE2629X	NODE1994X	0.8326416015625
NODE2255X	NODE1636X	NODE1971X	0.83245849609375
NODE2256X	NODE1726X	NODE1991X	0.8323974609375
NODE2257X	NODE1953X	NODE1909X	0.83233642578125
NODE2258X	NODE2015X	NODE1870X	0.83221435546875
NODE2259X	NODE1593X	NODE2045X	0.83184814453125
NODE2260X	NODE2038X	NODE1903X	0.83123779296875
NODE2261X	NODE1633X	NODE2026X	0.83050537109375
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NODE2263X	NODE1678X	GENE596X	0.8302001953125
NODE2264X	NODE1871X	NODE1523X	0.8299560546875
NODE2265X	NODE2146X	NODE2017X	0.82867431640625
NODE2266X	NODE2059X	NODE1489X	0.828369140625
NODE2267X	NODE1829X	NODE1770X	0.828369140625
NODE2268X	GENE983X	GENE1345X	0.82794189453125
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NODE2270X	GENE84X	GENE475X	0.8277587890625
NODE2271X	NODE1811X	NODE1996X	0.8272705078125
NODE2272X	NODE1988X	NODE2170X	0.8271484375
NODE2273X	NODE1938X	NODE1222X	0.82696533203125
NODE2274X	NODE1776X	NODE1813X	0.8267822265625
NODE2275X	NODE2058X	NODE1558X	0.826416015625
NODE2276X	GENE697X	NODE2114X	0.8260498046875
NODE2277X	NODE1810X	NODE1419X	0.825927734375
NODE2278X	NODE2080X	GENE1583X	0.824951171875
NODE2279X	NODE1603X	NODE1962X	0.82427978515625
NODE2280X	GENE1017X	GENE107X	0.82391357421875

NODE2281X	NODE1576X	NODE2131X	0.8236083984375
NODE2282X	NODE2262X	NODE2036X	0.82354736328125
NODE2283X	NODE1978X	NODE1472X	0.82342529296875
NODE2284X	NODE1781X	NODE1984X	0.8232421875
NODE2285X	NODE2165X	NODE1787X	0.8228759765625
NODE2286X	NODE2098X	NODE1874X	0.82269287109375
NODE2287X	GENE17X	GENE292X	0.82244873046875
NODE2288X	NODE1646X	NODE1578X	0.82244873046875
NODE2289X	GENE2330X	NODE1460X	0.8221435546875
NODE2290X	NODE2196X	NODE1842X	0.821533203125
NODE2291X	GENE2190X	NODE2225X	0.820556640625
NODE2292X	GENE24X	GENE2633X	0.8203125
NODE2293X	GENE670X	NODE2177X	0.81866455078125
NODE2294X	NODE1559X	NODE1999X	0.818359375
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NODE2296X	NODE2135X	NODE1601X	0.81793212890625
NODE2297X	NODE1553X	NODE1989X	0.81756591796875
NODE2298X	NODE2277X	NODE1976X	0.816162109375
NODE2299X	NODE1936X	NODE2074X	0.8155517578125
NODE2300X	NODE1812X	NODE1905X	0.81494140625
NODE2301X	NODE1532X	NODE2124X	0.81488037109375
NODE2302X	NODE2147X	NODE1537X	0.81475830078125
NODE2303X	NODE2179X	NODE2205X	0.81378173828125
NODE2304X	NODE1624X	GENE211X	0.81353759765625
NODE2305X	GENE1748X	GENE1938X	0.8134765625
NODE2306X	NODE1950X	NODE2088X	0.81341552734375
NODE2307X	NODE1928X	NODE2259X	0.81341552734375
NODE2308X	NODE2184X	NODE1970X	0.813232421875
NODE2309X	NODE1877X	NODE2164X	0.81292724609375
NODE2310X	NODE1786X	NODE1814X	0.8128662109375
NODE2311X	GENE1605X	NODE1582X	0.8125
NODE2312X	GENE177X	GENE173X	0.81243896484375
NODE2313X	NODE1931X	NODE2119X	0.81201171875
NODE2314X	NODE2007X	NODE2220X	0.81195068359375
NODE2315X	GENE1686X	NODE2095X	0.8104248046875
NODE2316X	NODE2261X	NODE2192X	0.81036376953125
NODE2317X	NODE1979X	NODE1746X	0.80908203125
NODE2318X	GENE1074X	GENE881X	0.80859375
NODE2319X	NODE1344X	NODE1140X	0.8077392578125
NODE2320X	NODE2229X	NODE1946X	0.8072509765625
NODE2321X	NODE1933X	NODE2210X	0.80694580078125
NODE2322X	NODE2247X	NODE2054X	0.8067626953125
NODE2323X	GENE832X	GENE422X	0.806640625
NODE2324X	NODE2207X	NODE1910X	0.80657958984375
NODE2325X	GENE938X	GENE2096X	0.8065185546875
NODE2326X	NODE1923X	NODE1755X	0.805419921875
NODE2327X	GENE2312X	NODE2270X	0.8050537109375
NODE2328X	NODE2115X	NODE2290X	0.80499267578125
NODE2329X	NODE2204X	NODE1610X	0.80474853515625
NODE2330X	NODE2034X	NODE2089X	0.80462646484375
NODE2331X	NODE2027X	NODE2002X	0.8043212890625
NODE2332X	NODE1777X	GENE156X	0.80419921875
NODE2333X	NODE1848X	NODE1632X	0.80401611328125
NODE2334X	NODE2014X	NODE2241X	0.803466796875
NODE2335X	NODE1679X	NODE2281X	0.80279541015625
NODE2336X	NODE1824X	NODE1470X	0.80224609375
NODE2337X	NODE1759X	NODE2118X	0.80206298828125

NODE2338X	NODE2181X	NODE1835X	0.80181884765625
NODE2339X	GENE880X	NODE2194X	0.801513671875
NODE2340X	GENE2525X	GENE1299X	0.80072021484375
NODE2341X	GENE525X	NODE1701X	0.8004150390625
NODE2342X	GENE2541X	NODE2048X	0.80010986328125
NODE2343X	NODE1595X	NODE2029X	0.79998779296875
NODE2344X	NODE2077X	NODE2167X	0.7999267578125
NODE2345X	GENE1940X	NODE1660X	0.798095703125
NODE2346X	NODE1985X	NODE2094X	0.79736328125
NODE2347X	NODE1863X	NODE1799X	0.7969970703125
NODE2348X	NODE1868X	NODE2172X	0.796630859375
NODE2349X	NODE2121X	NODE1924X	0.79583740234375
NODE2350X	NODE2055X	NODE1969X	0.79583740234375
NODE2351X	NODE2190X	NODE1914X	0.79541015625
NODE2352X	GENE428X	GENE1495X	0.79498291015625
NODE2353X	NODE2176X	NODE2283X	0.7945556640625
NODE2354X	GENE360X	GENE1578X	0.794189453125
NODE2355X	NODE1921X	NODE2180X	0.79315185546875
NODE2356X	NODE2227X	NODE2060X	0.79266357421875
NODE2357X	NODE1817X	NODE2083X	0.79248046875
NODE2358X	NODE2053X	NODE2267X	0.7923583984375
NODE2359X	NODE2081X	NODE2093X	0.792236328125
NODE2360X	NODE1912X	NODE1495X	0.7918701171875
NODE2361X	NODE1916X	GENE813X	0.79046630859375
NODE2362X	NODE2076X	NODE2031X	0.7896728515625
NODE2363X	NODE1949X	NODE1822X	0.789306640625
NODE2364X	NODE2061X	NODE2235X	0.78839111328125
NODE2365X	NODE2174X	NODE1992X	0.78814697265625
NODE2366X	NODE1727X	GENE519X	0.7877197265625
NODE2367X	NODE1587X	NODE2218X	0.7869873046875
NODE2368X	NODE2269X	NODE1957X	0.7847900390625
NODE2369X	GENE757X	NODE1940X	0.78472900390625
NODE2370X	NODE1873X	NODE2079X	0.7841796875
NODE2371X	GENE2237X	GENE334X	0.7838134765625
NODE2372X	NODE2201X	NODE2102X	0.783447265625
NODE2373X	NODE1885X	GENE402X	0.7823486328125
NODE2374X	NODE1685X	NODE2338X	0.781982421875
NODE2375X	NODE2215X	NODE2344X	0.78143310546875
NODE2376X	NODE1826X	NODE1895X	0.78125
NODE2377X	NODE1881X	NODE2006X	0.781005859375
NODE2378X	GENE1364X	GENE1175X	0.78082275390625
NODE2379X	NODE2206X	NODE2025X	0.7806396484375
NODE2380X	NODE2057X	NODE2250X	0.780517578125
NODE2381X	NODE2183X	NODE2066X	0.78033447265625
NODE2382X	NODE2016X	NODE2195X	0.780029296875
NODE2383X	NODE2075X	NODE2306X	0.780029296875
NODE2384X	NODE2134X	NODE2024X	0.77996826171875
NODE2385X	NODE1625X	NODE1918X	0.77813720703125
NODE2386X	NODE1932X	NODE1730X	0.777587890625
NODE2387X	GENE2316X	GENE162X	0.7774658203125
NODE2388X	NODE2271X	NODE2279X	0.77728271484375
NODE2389X	NODE1941X	NODE2266X	0.7769775390625
NODE2390X	NODE1983X	NODE2148X	0.77691650390625
NODE2391X	NODE1974X	GENE60X	0.77471923828125
NODE2392X	NODE1964X	NODE1634X	0.774658203125
NODE2393X	NODE2249X	NODE2063X	0.7742919921875
NODE2394X	NODE1350X	GENE122X	0.774169921875

NODE2395X	NODE1847X	NODE2157X	0.7730712890625
NODE2396X	NODE2345X	NODE2107X	0.772705078125
NODE2397X	NODE2000X	NODE2112X	0.77117919921875
NODE2398X	NODE2198X	NODE1965X	0.77099609375
NODE2399X	NODE1670X	NODE2301X	0.76959228515625
NODE2400X	NODE2272X	NODE2214X	0.76953125
NODE2401X	NODE2129X	GENE81X	0.76922607421875
NODE2402X	NODE2242X	NODE2265X	0.768798828125
NODE2403X	NODE2216X	GENE1370X	0.76861572265625
NODE2404X	GENE470X	NODE2068X	0.76776123046875
NODE2405X	NODE2120X	NODE2100X	0.7662353515625
NODE2406X	NODE1987X	GENE2291X	0.76556396484375
NODE2407X	NODE2209X	NODE2319X	0.7647705078125
NODE2408X	NODE2268X	GENE878X	0.76263427734375
NODE2409X	NODE1752X	NODE2173X	0.7620849609375
NODE2410X	NODE2231X	NODE2018X	0.76177978515625
NODE2411X	NODE2139X	NODE2236X	0.7611083984375
NODE2412X	NODE1926X	NODE2310X	0.76055908203125
NODE2413X	NODE1892X	NODE2331X	0.759521484375
NODE2414X	NODE2275X	NODE2384X	0.75885009765625
NODE2415X	NODE2186X	NODE2252X	0.7586669921875
NODE2416X	NODE2117X	NODE2325X	0.75860595703125
NODE2417X	NODE2230X	NODE2212X	0.7581787109375
NODE2418X	NODE2067X	GENE1671X	0.75799560546875
NODE2419X	NODE2284X	NODE2253X	0.7574462890625
NODE2420X	NODE2351X	NODE2106X	0.75555419921875
NODE2421X	NODE2232X	NODE1846X	0.7547607421875
NODE2422X	NODE2314X	NODE2237X	0.7540283203125
NODE2423X	GENE583X	NODE2244X	0.75335693359375
NODE2424X	NODE1853X	NODE1654X	0.7530517578125
NODE2425X	NODE1740X	NODE2340X	0.7515869140625
NODE2426X	NODE2092X	NODE2298X	0.7508544921875
NODE2427X	NODE2400X	NODE2021X	0.74993896484375
NODE2428X	NODE2417X	NODE2193X	0.7486572265625
NODE2429X	NODE965X	GENE2660X	0.748046875
NODE2430X	NODE2143X	NODE2141X	0.7476806640625
NODE2431X	NODE2171X	GENE412X	0.74725341796875
NODE2432X	NODE2189X	NODE2311X	0.7470703125
NODE2433X	NODE1782X	NODE1838X	0.7464599609375
NODE2434X	NODE2019X	NODE2323X	0.745849609375
NODE2435X	NODE2126X	NODE2352X	0.74566650390625
NODE2436X	NODE2123X	NODE2156X	0.7442626953125
NODE2437X	NODE2011X	NODE2105X	0.7440185546875
NODE2438X	NODE1944X	NODE2339X	0.743896484375
NODE2439X	NODE2163X	NODE2363X	0.743896484375
NODE2440X	GENE1994X	GENE1863X	0.7437744140625
NODE2441X	NODE2108X	NODE2303X	0.74346923828125
NODE2442X	NODE1973X	NODE2322X	0.74310302734375
NODE2443X	NODE2295X	NODE2359X	0.74212646484375
NODE2444X	NODE2149X	NODE2256X	0.74188232421875
NODE2445X	NODE2280X	NODE1700X	0.740966796875
NODE2446X	NODE2300X	NODE2064X	0.7406005859375
NODE2447X	NODE2127X	NODE1948X	0.73968505859375
NODE2448X	GENE1096X	GENE161X	0.73919677734375
NODE2449X	NODE2383X	GENE1635X	0.73895263671875
NODE2450X	NODE2056X	NODE1951X	0.7388916015625
NODE2451X	NODE1677X	NODE1611X	0.738037109375

NODE2452X	NODE2159X	NODE2138X	0.737548828125
NODE2453X	NODE2175X	NODE2330X	0.73736572265625
NODE2454X	NODE2199X	GENE28X	0.734130859375
NODE2455X	NODE2309X	NODE2221X	0.73382568359375
NODE2456X	GENE1916X	NODE2382X	0.7335205078125
NODE2457X	NODE2362X	NODE2185X	0.732421875
NODE2458X	NODE2336X	NODE2364X	0.73236083984375
NODE2459X	NODE2041X	NODE1947X	0.7320556640625
NODE2460X	NODE2367X	NODE2238X	0.73193359375
NODE2461X	NODE2366X	GENE852X	0.7318115234375
NODE2462X	NODE2090X	NODE2091X	0.73138427734375
NODE2463X	NODE1867X	GENE1646X	0.73089599609375
NODE2464X	NODE2332X	NODE2035X	0.7308349609375
NODE2465X	NODE2151X	NODE2111X	0.72955322265625
NODE2466X	NODE2104X	GENE2722X	0.728271484375
NODE2467X	NODE2191X	NODE2240X	0.72747802734375
NODE2468X	NODE2377X	NODE2299X	0.724609375
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NODE2471X	NODE2144X	NODE2010X	0.7227783203125
NODE2472X	NODE2419X	NODE2150X	0.72222900390625
NODE2473X	NODE1888X	NODE2264X	0.72216796875
NODE2474X	NODE2160X	NODE2329X	0.7216796875
NODE2475X	NODE1844X	NODE1982X	0.72161865234375
NODE2476X	GENE2422X	NODE2039X	0.72119140625
NODE2477X	NODE2398X	GENE2208X	0.7205810546875
NODE2478X	GENE267X	GENE1455X	0.7200927734375
NODE2479X	NODE2200X	NODE2372X	0.71893310546875
NODE2480X	NODE2307X	NODE2389X	0.71746826171875
NODE2481X	NODE1766X	NODE2128X	0.71722412109375
NODE2482X	NODE1997X	NODE2428X	0.71710205078125
NODE2483X	NODE2390X	NODE2444X	0.71685791015625
NODE2484X	NODE2388X	NODE2257X	0.7166748046875
NODE2485X	NODE2178X	GENE348X	0.71533203125
NODE2486X	NODE2012X	NODE2356X	0.71380615234375
NODE2487X	GENE766X	NODE2315X	0.71319580078125
NODE2488X	NODE2343X	NODE2245X	0.7122802734375
NODE2489X	NODE2255X	NODE2087X	0.71209716796875
NODE2490X	NODE2142X	NODE2439X	0.711669921875
NODE2491X	NODE2084X	NODE2397X	0.710205078125
NODE2492X	GENE646X	GENE101X	0.71014404296875
NODE2493X	NODE2263X	NODE2292X	0.708984375
NODE2494X	NODE2145X	NODE2328X	0.70843505859375
NODE2495X	NODE2187X	NODE2260X	0.7076416015625
NODE2496X	NODE2392X	NODE2288X	0.7076416015625
NODE2497X	NODE2154X	NODE1775X	0.7060546875
NODE2498X	GENE604X	GENE1769X	0.70556640625
NODE2499X	NODE2152X	NODE2404X	0.70550537109375
NODE2500X	NODE2391X	NODE2096X	0.70489501953125
NODE2501X	NODE2243X	NODE2273X	0.7027587890625
NODE2502X	NODE2381X	NODE2375X	0.70208740234375
NODE2503X	NODE2285X	NODE2110X	0.701416015625
NODE2504X	NODE2394X	GENE129X	0.70123291015625
NODE2505X	NODE2320X	NODE2370X	0.69891357421875
NODE2506X	NODE2358X	NODE2308X	0.69873046875
NODE2507X	NODE2228X	NODE2395X	0.69598388671875
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NODE2511X	NODE2347X	NODE2022X	0.691162109375
NODE2512X	NODE2246X	NODE2422X	0.68780517578125
NODE2513X	NODE2453X	NODE1656X	0.68548583984375
NODE2514X	NODE2455X	NODE2407X	0.6854248046875
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NODE2516X	NODE2420X	GENE1232X	0.681884765625
NODE2517X	NODE2357X	NODE2324X	0.681884765625
NODE2518X	GENE754X	GENE1219X	0.67926025390625
NODE2519X	NODE2450X	NODE2360X	0.67926025390625
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NODE2521X	NODE2393X	NODE2217X	0.6761474609375
NODE2522X	NODE2282X	NODE2222X	0.67327880859375
NODE2523X	NODE2136X	NODE2116X	0.671630859375
NODE2524X	NODE2368X	NODE2286X	0.66864013671875
NODE2525X	NODE2451X	NODE2276X	0.666259765625
NODE2526X	NODE2379X	NODE2412X	0.66583251953125
NODE2527X	NODE2223X	NODE2410X	0.6656494140625
NODE2528X	NODE2484X	NODE2342X	0.66546630859375
NODE2529X	NODE2402X	NODE2460X	0.6650390625
NODE2530X	GENE1162X	NODE2140X	0.66400146484375
NODE2531X	NODE2334X	NODE2353X	0.66302490234375
NODE2532X	NODE2203X	NODE2411X	0.662841796875
NODE2533X	GENE464X	NODE2211X	0.66259765625
NODE2534X	NODE2489X	NODE2125X	0.66259765625
NODE2535X	NODE2349X	NODE2421X	0.66180419921875
NODE2536X	NODE2337X	NODE2380X	0.66082763671875
NODE2537X	NODE2361X	NODE1860X	0.65985107421875
NODE2538X	NODE2304X	NODE2523X	0.65704345703125
NODE2539X	GENE2166X	NODE2287X	0.65673828125
NODE2540X	NODE2224X	NODE2373X	0.65643310546875
NODE2541X	NODE1955X	GENE1736X	0.6539306640625
NODE2542X	NODE2365X	NODE2293X	0.6534423828125
NODE2543X	NODE2497X	GENE65X	0.65264892578125
NODE2544X	NODE1693X	NODE2435X	0.6517333984375
NODE2545X	NODE2376X	NODE2258X	0.6484375
NODE2546X	NODE2443X	NODE2297X	0.64654541015625
NODE2547X	NODE2464X	GENE1376X	0.6451416015625
NODE2548X	NODE2500X	NODE2333X	0.6448974609375
NODE2549X	NODE2508X	NODE2424X	0.64385986328125
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NODE2551X	NODE2446X	NODE2441X	0.637939453125
NODE2552X	GENE2447X	NODE2254X	0.62939453125
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NODE2556X	GENE1532X	GENE1250X	0.6260986328125
NODE2557X	NODE2409X	NODE2480X	0.6253662109375
NODE2558X	NODE2486X	NODE2503X	0.62298583984375
NODE2559X	NODE2013X	NODE2132X	0.621337890625
NODE2560X	NODE2354X	NODE2294X	0.61859130859375
NODE2561X	NODE2475X	NODE2479X	0.61724853515625
NODE2562X	GENE346X	GENE460X	0.61517333984375
NODE2563X	NODE2426X	NODE2341X	0.61322021484375
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NODE2565X	NODE2226X	NODE2463X	0.611572265625

NODE2566X	NODE2514X	NODE2433X	0.61151123046875
NODE2567X	NODE2233X	NODE2454X	0.60992431640625
NODE2568X	NODE2490X	NODE2296X	0.6092529296875
NODE2569X	NODE2501X	NODE2097X	0.60919189453125
NODE2570X	NODE2405X	NODE2374X	0.606689453125
NODE2571X	GENE1420X	NODE2555X	0.60333251953125
NODE2572X	NODE2208X	NODE2274X	0.6009521484375
NODE2573X	NODE2506X	NODE2414X	0.5987548828125
NODE2574X	NODE2481X	NODE2378X	0.59588623046875
NODE2575X	NODE2512X	NODE2385X	0.5947265625
NODE2576X	NODE2239X	NODE2470X	0.594482421875
NODE2577X	NODE2440X	NODE1963X	0.593994140625
NODE2578X	NODE2459X	NODE2520X	0.58807373046875
NODE2579X	NODE2466X	NODE2234X	0.587890625
NODE2580X	NODE2369X	NODE2401X	0.5848388671875
NODE2581X	NODE2495X	NODE2305X	0.581787109375
NODE2582X	NODE2482X	NODE2511X	0.58013916015625
NODE2583X	NODE2502X	NODE2531X	0.57830810546875
NODE2584X	NODE2488X	NODE2534X	0.57696533203125
NODE2585X	NODE2158X	NODE2533X	0.57562255859375
NODE2586X	NODE2568X	NODE2522X	0.57025146484375
NODE2587X	NODE2471X	NODE2040X	0.56756591796875
NODE2588X	NODE2197X	NODE2532X	0.5635986328125
NODE2589X	NODE2521X	NODE2452X	0.56268310546875
NODE2590X	NODE2438X	NODE2491X	0.55560302734375
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NODE2592X	NODE2529X	NODE2536X	0.54998779296875
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NODE2594X	NODE2399X	NODE2516X	0.5477294921875
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NODE2600X	NODE2465X	NODE2499X	0.53741455078125
NODE2601X	NODE2327X	NODE2403X	0.534912109375
NODE2602X	NODE2434X	NODE2291X	0.53302001953125
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NODE2604X	NODE2537X	NODE2162X	0.526123046875
NODE2605X	NODE2545X	NODE2406X	0.52569580078125
NODE2606X	NODE2541X	NODE2437X	0.5225830078125
NODE2607X	NODE2539X	NODE2413X	0.5216064453125
NODE2608X	NODE2473X	NODE2605X	0.5159912109375
NODE2609X	NODE2550X	NODE2278X	0.513916015625
NODE2610X	NODE2526X	NODE2396X	0.51202392578125
NODE2611X	NODE2447X	NODE2456X	0.5091552734375
NODE2612X	NODE2548X	NODE2570X	0.49993896484375
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NODE2614X	NODE2408X	GENE2138X	0.4984130859375
NODE2615X	NODE2436X	NODE2547X	0.4959716796875
NODE2616X	NODE2569X	NODE2423X	0.4915771484375
NODE2617X	NODE2582X	NODE2546X	0.49017333984375
NODE2618X	NODE2449X	NODE2576X	0.4892578125
NODE2619X	NODE2517X	NODE2557X	0.48779296875
NODE2620X	NODE2540X	NODE2505X	0.48651123046875
NODE2621X	NODE2461X	NODE2432X	0.48590087890625
NODE2622X	NODE2507X	NODE2474X	0.4783935546875

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NODE2624X	NODE2478X	NODE2583X	0.45458984375
NODE2625X	NODE2431X	NODE2289X	0.453857421875
NODE2626X	NODE2565X	NODE2425X	0.450439453125
NODE2627X	NODE2538X	NODE2567X	0.44952392578125
NODE2628X	NODE2581X	NODE2326X	0.44866943359375
NODE2629X	GENE1262X	NODE2601X	0.444091796875
NODE2630X	NODE2573X	NODE2592X	0.44378662109375
NODE2631X	NODE2527X	NODE2535X	0.437255859375
NODE2632X	NODE2387X	NODE2487X	0.430419921875
NODE2633X	NODE2543X	NODE2312X	0.42523193359375
NODE2634X	NODE2564X	NODE2589X	0.41827392578125
NODE2635X	NODE2602X	NODE2213X	0.4112548828125
NODE2636X	NODE2530X	NODE2496X	0.408935546875
NODE2637X	NODE2498X	NODE2559X	0.40673828125
NODE2638X	NODE2599X	NODE2483X	0.40106201171875
NODE2639X	NODE2561X	NODE2318X	0.40020751953125
NODE2640X	NODE2510X	NODE2371X	0.39886474609375
NODE2641X	NODE2572X	GENE403X	0.395263671875
NODE2642X	NODE2590X	NODE2552X	0.39093017578125
NODE2643X	NODE2575X	NODE2598X	0.38909912109375
NODE2644X	NODE2442X	NODE2611X	0.38507080078125
NODE2645X	NODE2591X	NODE2586X	0.38446044921875
NODE2646X	NODE2617X	NODE2630X	0.3778076171875
NODE2647X	NODE2524X	NODE2519X	0.3743896484375
NODE2648X	NODE2556X	GENE978X	0.37322998046875
NODE2649X	NODE2563X	NODE2509X	0.369873046875
NODE2650X	NODE2553X	NODE2612X	0.367431640625
NODE2651X	NODE2610X	NODE2578X	0.36614990234375
NODE2652X	NODE2321X	NODE2587X	0.36187744140625
NODE2653X	NODE2609X	NODE2603X	0.35638427734375
NODE2654X	NODE2518X	NODE2623X	0.35565185546875
NODE2655X	NODE2549X	NODE2476X	0.35345458984375
NODE2656X	NODE2619X	NODE2595X	0.3521728515625
NODE2657X	NODE2560X	NODE2577X	0.3310546875
NODE2658X	NODE2621X	NODE2515X	0.328369140625
NODE2659X	NODE2525X	NODE2629X	0.31695556640625
NODE2660X	NODE2600X	NODE2445X	0.3143310546875
NODE2661X	NODE2635X	NODE2566X	0.3084716796875
NODE2662X	NODE2588X	NODE2551X	0.30535888671875
NODE2663X	NODE2579X	NODE2649X	0.2994384765625
NODE2664X	NODE2562X	NODE2637X	0.294921875
NODE2665X	NODE2597X	NODE2646X	0.2850341796875
NODE2666X	NODE2615X	NODE2620X	0.28204345703125
NODE2667X	NODE2493X	NODE2585X	0.2769775390625
NODE2668X	NODE2631X	NODE2647X	0.27508544921875
NODE2669X	NODE2492X	NODE2628X	0.2720947265625
NODE2670X	NODE2613X	NODE2448X	0.2708740234375
NODE2671X	NODE2558X	NODE2657X	0.23333740234375
NODE2672X	NODE2584X	NODE2644X	0.22271728515625
NODE2673X	NODE2624X	NODE2634X	0.22125244140625
NODE2674X	NODE2580X	NODE2670X	0.1964111328125
NODE2675X	NODE2626X	NODE2669X	0.181396484375
NODE2676X	NODE2608X	NODE2596X	0.18048095703125
NODE2677X	NODE2638X	NODE2656X	0.1796875
NODE2678X	NODE2604X	NODE2655X	0.1778564453125
NODE2679X	NODE2651X	NODE2606X	0.177001953125

NODE2680X	NODE2627X	NODE2593X	0.174072265625
NODE2681X	NODE2618X	NODE2607X	0.1497802734375
NODE2682X	NODE2660X	NODE2632X	0.1348876953125
NODE2683X	NODE2666X	NODE2639X	0.1339111328125
NODE2684X	NODE2636X	NODE2652X	0.11431884765625
NODE2685X	NODE2648X	GENE782X	0.09814453125
NODE2686X	NODE2661X	NODE2622X	0.09552001953125
NODE2687X	NODE2650X	NODE2667X	0.0855712890625
NODE2688X	NODE2574X	NODE2633X	0.0828857421875
NODE2689X	NODE2642X	NODE2544X	0.0791015625
NODE2690X	NODE2676X	NODE2662X	0.07598876953125
NODE2691X	NODE2643X	NODE2641X	0.0728759765625
NODE2692X	NODE2673X	NODE2683X	0.0570068359375
NODE2693X	NODE2614X	NODE2645X	0.0552978515625
NODE2694X	NODE2594X	NODE2665X	0.041259765625
NODE2695X	NODE2654X	NODE2659X	-0.04315185546875
NODE2696X	NODE2688X	NODE2674X	-0.0474853515625
NODE2697X	NODE2681X	NODE2694X	-0.0994873046875
NODE2698X	NODE2668X	NODE2675X	-0.10931396484375
NODE2699X	NODE2682X	NODE2653X	-0.12945556640625
NODE2700X	NODE2616X	NODE2640X	-0.13330078125
NODE2701X	NODE2693X	NODE2671X	-0.14166259765625
NODE2702X	NODE2685X	NODE2663X	-0.22210693359375
NODE2703X	NODE2679X	NODE2680X	-0.2261962890625
NODE2704X	NODE2678X	NODE2672X	-0.24658203125
NODE2705X	NODE2695X	NODE2664X	-0.282470703125
NODE2706X	NODE2689X	NODE2686X	-0.29364013671875
NODE2707X	NODE2702X	NODE2690X	-0.300048828125
NODE2708X	NODE2691X	NODE2701X	-0.31005859375
NODE2709X	NODE2687X	NODE2699X	-0.3409423828125
NODE2710X	NODE2692X	NODE2658X	-0.34185791015625
NODE2711X	NODE2698X	NODE2684X	-0.42376708984375
NODE2712X	NODE2696X	NODE2625X	-0.43890380859375
NODE2713X	NODE2704X	NODE2700X	-0.478515625
NODE2714X	NODE2710X	NODE2703X	-0.5074462890625
NODE2715X	NODE2677X	NODE2697X	-0.627685546875
NODE2716X	NODE2709X	NODE2708X	-0.6788330078125
NODE2717X	NODE2707X	NODE2715X	-0.68109130859375
NODE2718X	NODE2706X	NODE2713X	-0.7467041015625
NODE2719X	NODE2718X	NODE2712X	-0.84716796875
NODE2720X	NODE2711X	NODE2705X	-0.88775634765625
NODE2721X	NODE2716X	NODE2714X	-0.88922119140625
NODE2722X	NODE2720X	NODE2717X	-0.96441650390625
NODE2723X	NODE2721X	NODE2719X	-0.98541259765625
NODE2724X	NODE2723X	NODE2722X	-0.996337890625