

NODE1X	GENE288X	GENE287X	0.999755859375
NODE2X	GENE2383X	GENE235X	0.999267578125
NODE3X	GENE586X	GENE768X	0.99920654296875
NODE4X	GENE1830X	GENE2483X	0.99920654296875
NODE5X	GENE2414X	GENE3X	0.9991455078125
NODE6X	GENE550X	GENE789X	0.9991455078125
NODE7X	GENE843X	GENE1972X	0.9991455078125
NODE8X	GENE1434X	GENE1241X	0.9991455078125
NODE9X	GENE2448X	GENE1677X	0.9991455078125
NODE10X	GENE2415X	GENE253X	0.99908447265625
NODE11X	GENE1409X	GENE945X	0.9990234375
NODE12X	GENE32X	GENE1559X	0.9989013671875
NODE13X	GENE895X	GENE1264X	0.99884033203125
NODE14X	GENE53X	GENE2362X	0.998779296875
NODE15X	GENE782X	GENE127X	0.998779296875
NODE16X	NODE9X	GENE1701X	0.998779296875
NODE17X	GENE513X	GENE24X	0.99871826171875
NODE18X	GENE98X	GENE630X	0.99871826171875
NODE19X	GENE916X	GENE381X	0.9986572265625
NODE20X	GENE954X	GENE2179X	0.9986572265625
NODE21X	GENE2568X	GENE2052X	0.9986572265625
NODE22X	GENE1092X	GENE994X	0.99859619140625
NODE23X	GENE2025X	GENE1035X	0.99859619140625
NODE24X	GENE1610X	GENE1993X	0.99859619140625
NODE25X	NODE10X	GENE1688X	0.99859619140625
NODE26X	GENE1107X	GENE1257X	0.99853515625
NODE27X	NODE6X	GENE1969X	0.99853515625
NODE28X	GENE822X	GENE1151X	0.99847412109375
NODE29X	GENE2029X	GENE1462X	0.99847412109375
NODE30X	GENE1896X	GENE1884X	0.99847412109375
NODE31X	GENE1950X	GENE2075X	0.99847412109375
NODE32X	NODE13X	GENE564X	0.99847412109375
NODE33X	GENE1605X	GENE64X	0.9984130859375
NODE34X	GENE777X	GENE1817X	0.9984130859375
NODE35X	GENE1305X	GENE1158X	0.9984130859375
NODE36X	GENE2598X	GENE2457X	0.9984130859375
NODE37X	GENE520X	GENE1996X	0.99835205078125
NODE38X	GENE393X	GENE1424X	0.998291015625
NODE39X	GENE467X	GENE2607X	0.998291015625
NODE40X	GENE2091X	GENE881X	0.998291015625
NODE41X	GENE2334X	GENE2333X	0.998291015625
NODE42X	GENE2330X	GENE191X	0.99822998046875
NODE43X	GENE874X	GENE252X	0.99822998046875
NODE44X	GENE1894X	GENE554X	0.99822998046875
NODE45X	GENE2096X	GENE2416X	0.99822998046875
NODE46X	GENE685X	GENE684X	0.9981689453125
NODE47X	GENE1147X	GENE788X	0.9981689453125
NODE48X	GENE1878X	GENE1008X	0.9981689453125
NODE49X	GENE1881X	GENE1414X	0.9981689453125
NODE50X	GENE93X	GENE1959X	0.99810791015625
NODE51X	GENE1011X	GENE2652X	0.99810791015625
NODE52X	NODE30X	GENE2072X	0.998046875
NODE53X	GENE321X	NODE15X	0.99798583984375
NODE54X	GENE602X	GENE2366X	0.99798583984375
NODE55X	GENE616X	GENE2298X	0.99798583984375
NODE56X	GENE1146X	GENE2050X	0.99798583984375
NODE57X	GENE2013X	GENE607X	0.9979248046875

NODE58X	GENE21X	GENE1441X	0.99786376953125
NODE59X	NODE40X	GENE290X	0.99786376953125
NODE60X	GENE330X	GENE1747X	0.99786376953125
NODE61X	GENE2066X	GENE771X	0.99786376953125
NODE62X	GENE969X	GENE1203X	0.99786376953125
NODE63X	GENE1407X	NODE26X	0.99786376953125
NODE64X	NODE43X	GENE476X	0.99786376953125
NODE65X	GENE138X	GENE2524X	0.997802734375
NODE66X	GENE270X	GENE1411X	0.997802734375
NODE67X	GENE2434X	GENE1337X	0.997802734375
NODE68X	GENE1919X	GENE1585X	0.997802734375
NODE69X	GENE2157X	GENE2535X	0.997802734375
NODE70X	NODE39X	GENE1746X	0.997802734375
NODE71X	GENE249X	GENE1578X	0.9976806640625
NODE72X	GENE360X	GENE1776X	0.9976806640625
NODE73X	GENE1729X	GENE1877X	0.9976806640625
NODE74X	GENE1058X	GENE1071X	0.99761962890625
NODE75X	GENE1824X	GENE1816X	0.99761962890625
NODE76X	NODE44X	GENE1889X	0.99761962890625
NODE77X	GENE1935X	GENE776X	0.99755859375
NODE78X	GENE904X	GENE1196X	0.99755859375
NODE79X	GENE1055X	GENE2303X	0.99755859375
NODE80X	GENE1925X	GENE1165X	0.99755859375
NODE81X	GENE1238X	GENE1939X	0.99755859375
NODE82X	GENE1707X	GENE1690X	0.99755859375
NODE83X	NODE2X	GENE2163X	0.99755859375
NODE84X	GENE103X	GENE2597X	0.99749755859375
NODE85X	GENE634X	GENE1390X	0.99749755859375
NODE86X	GENE1485X	GENE835X	0.99749755859375
NODE87X	GENE2350X	GENE1486X	0.99749755859375
NODE88X	GENE2014X	GENE2567X	0.99749755859375
NODE89X	GENE2313X	GENE2171X	0.99749755859375
NODE90X	GENE1X	GENE1478X	0.9974365234375
NODE91X	GENE218X	GENE2375X	0.9974365234375
NODE92X	GENE710X	GENE383X	0.9974365234375
NODE93X	GENE665X	GENE534X	0.9974365234375
NODE94X	GENE922X	GENE1835X	0.9974365234375
NODE95X	GENE1216X	GENE1991X	0.9974365234375
NODE96X	GENE1724X	GENE635X	0.99737548828125
NODE97X	GENE1499X	GENE1309X	0.99737548828125
NODE98X	GENE1556X	GENE2498X	0.99737548828125
NODE99X	GENE1260X	NODE11X	0.99737548828125
NODE100X	GENE41X	NODE68X	0.99737548828125
NODE101X	GENE1897X	GENE1606X	0.997314453125
NODE102X	GENE1888X	GENE1890X	0.997314453125
NODE103X	NODE16X	NODE5X	0.997314453125
NODE104X	NODE12X	NODE7X	0.997314453125
NODE105X	GENE1855X	NODE14X	0.997314453125
NODE106X	GENE1397X	GENE264X	0.99725341796875
NODE107X	GENE1987X	GENE2481X	0.99725341796875
NODE108X	GENE1535X	GENE531X	0.9971923828125
NODE109X	GENE1421X	GENE642X	0.9971923828125
NODE110X	GENE2093X	GENE838X	0.9971923828125
NODE111X	GENE1713X	GENE1576X	0.9971923828125
NODE112X	GENE1920X	GENE1921X	0.9971923828125
NODE113X	GENE55X	GENE767X	0.99713134765625
NODE114X	GENE389X	GENE2109X	0.99713134765625

NODE115X	GENE1258X	NODE3X	0.99713134765625
NODE116X	GENE2039X	GENE2210X	0.99713134765625
NODE117X	GENE594X	GENE1193X	0.9970703125
NODE118X	GENE600X	GENE760X	0.9970703125
NODE119X	GENE1036X	GENE1037X	0.9970703125
NODE120X	GENE2263X	GENE1169X	0.9970703125
NODE121X	GENE1416X	GENE1173X	0.9970703125
NODE122X	GENE1398X	GENE2057X	0.9970703125
NODE123X	GENE1874X	NODE27X	0.9970703125
NODE124X	NODE32X	GENE1895X	0.9970703125
NODE125X	NODE58X	GENE1923X	0.9970703125
NODE126X	GENE1246X	GENE1250X	0.99700927734375
NODE127X	NODE36X	GENE2231X	0.99700927734375
NODE128X	GENE2252X	NODE77X	0.99700927734375
NODE129X	GENE1945X	NODE57X	0.99700927734375
NODE130X	GENE2314X	NODE89X	0.99700927734375
NODE131X	GENE2115X	GENE1228X	0.9969482421875
NODE132X	GENE320X	GENE2031X	0.99688720703125
NODE133X	GENE2428X	GENE1461X	0.99688720703125
NODE134X	GENE839X	GENE86X	0.99676513671875
NODE135X	NODE66X	GENE1423X	0.99676513671875
NODE136X	NODE52X	NODE51X	0.99676513671875
NODE137X	NODE75X	GENE540X	0.99676513671875
NODE138X	GENE1951X	GENE31X	0.9967041015625
NODE139X	GENE2285X	GENE1946X	0.9967041015625
NODE140X	NODE34X	GENE2300X	0.9967041015625
NODE141X	GENE1843X	GENE753X	0.99664306640625
NODE142X	GENE1128X	GENE81X	0.99658203125
NODE143X	GENE344X	GENE741X	0.99658203125
NODE144X	GENE2094X	NODE45X	0.99658203125
NODE145X	NODE21X	GENE2430X	0.99658203125
NODE146X	GENE412X	GENE1882X	0.99652099609375
NODE147X	GENE1064X	GENE1353X	0.99652099609375
NODE148X	GENE2020X	GENE2338X	0.99652099609375
NODE149X	NODE48X	NODE22X	0.99652099609375
NODE150X	GENE2319X	GENE1075X	0.9964599609375
NODE151X	GENE1120X	GENE2030X	0.9964599609375
NODE152X	GENE2552X	GENE1427X	0.9964599609375
NODE153X	GENE2318X	GENE1691X	0.9964599609375
NODE154X	GENE1571X	GENE396X	0.99639892578125
NODE155X	GENE566X	GENE1988X	0.99639892578125
NODE156X	GENE848X	GENE1215X	0.99639892578125
NODE157X	GENE1108X	GENE1024X	0.99639892578125
NODE158X	GENE2281X	GENE2487X	0.99639892578125
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NODE161X	GENE718X	GENE227X	0.996337890625
NODE162X	GENE1366X	GENE1303X	0.996337890625
NODE163X	NODE23X	NODE60X	0.996337890625
NODE164X	GENE621X	GENE675X	0.99627685546875
NODE165X	GENE1493X	GENE2043X	0.99627685546875
NODE166X	GENE1634X	GENE2176X	0.99627685546875
NODE167X	GENE2227X	GENE2546X	0.99627685546875
NODE168X	GENE2458X	GENE208X	0.9962158203125
NODE169X	GENE1527X	GENE755X	0.9962158203125
NODE170X	GENE859X	GENE2643X	0.9962158203125
NODE171X	GENE1564X	GENE1743X	0.9962158203125

NODE172X	GENE2595X	GENE1702X	0.9962158203125
NODE173X	GENE2502X	GENE2000X	0.9962158203125
NODE174X	GENE1121X	NODE18X	0.9962158203125
NODE175X	GENE664X	GENE535X	0.99615478515625
NODE176X	GENE556X	GENE1811X	0.99615478515625
NODE177X	GENE929X	GENE2060X	0.99615478515625
NODE178X	NODE73X	GENE1728X	0.99615478515625
NODE179X	GENE1866X	NODE70X	0.99615478515625
NODE180X	GENE2590X	GENE2092X	0.99615478515625
NODE181X	GENE1883X	NODE49X	0.99615478515625
NODE182X	GENE2402X	GENE2401X	0.99609375
NODE183X	NODE122X	GENE2230X	0.99609375
NODE184X	GENE236X	GENE1262X	0.99603271484375
NODE185X	GENE561X	GENE805X	0.99603271484375
NODE186X	GENE637X	GENE599X	0.99603271484375
NODE187X	GENE1115X	GENE942X	0.99603271484375
NODE188X	GENE1271X	GENE2110X	0.99603271484375
NODE189X	GENE2228X	GENE1718X	0.99603271484375
NODE190X	GENE313X	NODE94X	0.99603271484375
NODE191X	GENE1714X	GENE153X	0.9959716796875
NODE192X	GENE661X	GENE1254X	0.9959716796875
NODE193X	GENE813X	GENE2422X	0.9959716796875
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NODE196X	GENE1185X	GENE461X	0.99591064453125
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NODE213X	GENE1595X	GENE1300X	0.99566650390625
NODE214X	NODE67X	GENE1507X	0.99566650390625
NODE215X	GENE2528X	GENE1758X	0.99566650390625
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NODE218X	GENE247X	GENE242X	0.99560546875
NODE219X	GENE2664X	GENE348X	0.99560546875
NODE220X	GENE2219X	GENE693X	0.99560546875
NODE221X	GENE829X	GENE2139X	0.99560546875
NODE222X	GENE1141X	GENE975X	0.99560546875
NODE223X	GENE1270X	GENE1438X	0.99560546875
NODE224X	GENE1440X	GENE183X	0.99554443359375
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NODE231X	GENE457X	GENE1618X	0.9954833984375
NODE232X	GENE624X	GENE1973X	0.9954833984375
NODE233X	GENE1137X	NODE4X	0.9954833984375
NODE234X	GENE1876X	GENE1338X	0.9954833984375
NODE235X	GENE1395X	GENE1639X	0.9954833984375
NODE236X	GENE2630X	GENE13X	0.99542236328125
NODE237X	GENE257X	GENE258X	0.99542236328125
NODE238X	GENE738X	GENE701X	0.99542236328125
NODE239X	GENE1354X	GENE751X	0.99542236328125
NODE240X	GENE2034X	GENE1140X	0.99542236328125
NODE241X	NODE74X	GENE2491X	0.99542236328125
NODE242X	GENE2657X	NODE162X	0.99542236328125
NODE243X	GENE551X	GENE571X	0.995361328125
NODE244X	GENE2367X	GENE1245X	0.995361328125
NODE245X	GENE2055X	GENE2391X	0.995361328125
NODE246X	GENE497X	GENE1944X	0.99530029296875
NODE247X	GENE2442X	GENE700X	0.99530029296875
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NODE249X	GENE1474X	GENE362X	0.9952392578125
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NODE251X	GENE374X	NODE25X	0.9952392578125
NODE252X	GENE422X	GENE423X	0.9952392578125
NODE253X	GENE2243X	GENE1020X	0.9952392578125
NODE254X	NODE138X	GENE375X	0.99517822265625
NODE255X	GENE1694X	GENE697X	0.99517822265625
NODE256X	GENE902X	GENE1813X	0.99517822265625
NODE257X	GENE1419X	GENE1550X	0.99517822265625
NODE258X	GENE2459X	GENE281X	0.9951171875
NODE259X	GENE792X	GENE283X	0.9951171875
NODE260X	GENE404X	GENE1674X	0.9951171875
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NODE264X	GENE1161X	GENE2670X	0.99505615234375
NODE265X	GENE324X	GENE1208X	0.9949951171875
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NODE268X	NODE134X	GENE1444X	0.9949951171875
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NODE270X	NODE83X	NODE56X	0.9949951171875
NODE271X	GENE292X	NODE186X	0.9949951171875
NODE272X	GENE962X	GENE454X	0.99493408203125
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NODE280X	GENE517X	GENE1296X	0.994873046875
NODE281X	GENE555X	GENE2355X	0.994873046875
NODE282X	GENE1086X	GENE889X	0.994873046875
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NODE287X	GENE536X	GENE382X	0.9947509765625
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NODE292X	GENE425X	GENE2203X	0.99468994140625
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NODE301X	GENE498X	GENE1795X	0.99462890625
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NODE304X	GENE601X	NODE108X	0.99462890625
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NODE307X	GENE428X	GENE429X	0.99456787109375
NODE308X	GENE1602X	GENE654X	0.99456787109375
NODE309X	GENE937X	NODE24X	0.99456787109375
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NODE311X	GENE2675X	GENE2186X	0.99456787109375
NODE312X	GENE2620X	GENE2495X	0.99456787109375
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NODE318X	NODE260X	GENE29X	0.9945068359375
NODE319X	GENE759X	GENE2388X	0.99444580078125
NODE320X	GENE1642X	NODE55X	0.99444580078125
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NODE322X	GENE2677X	GENE1833X	0.99444580078125
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NODE326X	NODE115X	NODE38X	0.994384765625
NODE327X	GENE48X	NODE79X	0.99432373046875
NODE328X	NODE137X	GENE120X	0.99432373046875
NODE329X	GENE1389X	GENE50X	0.9942626953125
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NODE333X	GENE123X	NODE64X	0.99420166015625
NODE334X	NODE87X	GENE1177X	0.99420166015625
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NODE336X	GENE809X	GENE77X	0.994140625
NODE337X	GENE781X	GENE421X	0.994140625
NODE338X	GENE1731X	GENE1479X	0.994140625
NODE339X	GENE1715X	GENE303X	0.99407958984375
NODE340X	GENE315X	GENE711X	0.99407958984375
NODE341X	GENE410X	GENE1082X	0.99407958984375
NODE342X	GENE1604X	GENE489X	0.99407958984375

NODE343X	GENE1359X	GENE611X	0.99407958984375
NODE344X	GENE1475X	GENE1330X	0.99407958984375
NODE345X	GENE1741X	GENE1683X	0.99407958984375
NODE346X	GENE99X	NODE117X	0.9940185546875
NODE347X	GENE135X	GENE136X	0.9940185546875
NODE348X	NODE182X	GENE736X	0.9940185546875
NODE349X	NODE189X	GENE203X	0.9940185546875
NODE350X	GENE67X	GENE1596X	0.99395751953125
NODE351X	GENE2404X	GENE1279X	0.99383544921875
NODE352X	GENE1553X	GENE1554X	0.99383544921875
NODE353X	GENE1841X	GENE2288X	0.99383544921875
NODE354X	GENE187X	NODE1X	0.99383544921875
NODE355X	GENE15X	GENE1160X	0.9937744140625
NODE356X	GENE617X	NODE92X	0.9937744140625
NODE357X	GENE981X	GENE1787X	0.9937744140625
NODE358X	GENE2562X	GENE1223X	0.9937744140625
NODE359X	GENE2008X	NODE315X	0.9937744140625
NODE360X	GENE2194X	NODE243X	0.9937744140625
NODE361X	NODE82X	NODE179X	0.9937744140625
NODE362X	GENE2533X	GENE407X	0.99371337890625
NODE363X	GENE1886X	GENE514X	0.99371337890625
NODE364X	GENE1049X	GENE7X	0.99365234375
NODE365X	GENE2325X	NODE191X	0.99365234375
NODE366X	GENE2354X	GENE2467X	0.99365234375
NODE367X	GENE1105X	NODE278X	0.99365234375
NODE368X	GENE825X	GENE1543X	0.99359130859375
NODE369X	GENE1355X	GENE1737X	0.99359130859375
NODE370X	GENE1901X	GENE2464X	0.99359130859375
NODE371X	GENE560X	GENE2249X	0.9935302734375
NODE372X	GENE585X	GENE1999X	0.9935302734375
NODE373X	GENE2512X	GENE1393X	0.9935302734375
NODE374X	GENE1706X	GENE1545X	0.9935302734375
NODE375X	GENE2284X	GENE1651X	0.9935302734375
NODE376X	GENE2669X	NODE272X	0.9935302734375
NODE377X	GENE920X	GENE262X	0.99346923828125
NODE378X	GENE570X	GENE1287X	0.99346923828125
NODE379X	GENE644X	GENE1381X	0.99346923828125
NODE380X	GENE2128X	GENE858X	0.99346923828125
NODE381X	GENE891X	GENE2508X	0.99346923828125
NODE382X	GENE1014X	GENE2253X	0.99346923828125
NODE383X	GENE1560X	GENE1620X	0.99346923828125
NODE384X	GENE2507X	GENE2182X	0.99346923828125
NODE385X	GENE27X	GENE2098X	0.993408203125
NODE386X	NODE47X	GENE268X	0.993408203125
NODE387X	GENE2078X	GENE356X	0.993408203125
NODE388X	GENE530X	GENE1226X	0.993408203125
NODE389X	GENE888X	GENE2523X	0.993408203125
NODE390X	NODE90X	GENE1074X	0.993408203125
NODE391X	GENE2111X	GENE124X	0.99334716796875
NODE392X	GENE174X	GENE2074X	0.99334716796875
NODE393X	GENE445X	GENE1769X	0.9932861328125
NODE394X	GENE1943X	GENE1288X	0.9932861328125
NODE395X	GENE1520X	GENE2193X	0.9932861328125
NODE396X	GENE2582X	GENE2637X	0.9932861328125
NODE397X	NODE104X	NODE124X	0.9932861328125
NODE398X	NODE187X	NODE319X	0.99322509765625
NODE399X	GENE2382X	GENE846X	0.9931640625

NODE400X	GENE1789X	GENE1342X	0.9931640625
NODE401X	GENE1777X	GENE2295X	0.9931640625
NODE402X	NODE41X	GENE1953X	0.9931640625
NODE403X	GENE2668X	GENE2108X	0.9931640625
NODE404X	NODE72X	NODE153X	0.9931640625
NODE405X	GENE1784X	NODE107X	0.9931640625
NODE406X	GENE197X	GENE1534X	0.99310302734375
NODE407X	GENE416X	GENE2067X	0.99310302734375
NODE408X	GENE775X	NODE224X	0.99310302734375
NODE409X	GENE818X	GENE1295X	0.99310302734375
NODE410X	GENE2026X	GENE1183X	0.99310302734375
NODE411X	GENE1325X	GENE1231X	0.99310302734375
NODE412X	NODE242X	NODE165X	0.99310302734375
NODE413X	NODE128X	NODE230X	0.99310302734375
NODE414X	GENE696X	GENE1010X	0.9930419921875
NODE415X	GENE2398X	GENE979X	0.9930419921875
NODE416X	GENE1864X	NODE133X	0.9930419921875
NODE417X	NODE333X	NODE119X	0.9930419921875
NODE418X	NODE154X	GENE394X	0.9930419921875
NODE419X	GENE60X	GENE211X	0.99298095703125
NODE420X	GENE1773X	GENE328X	0.99298095703125
NODE421X	GENE716X	NODE37X	0.99298095703125
NODE422X	GENE2585X	GENE2454X	0.99298095703125
NODE423X	GENE1106X	NODE259X	0.99298095703125
NODE424X	GENE493X	NODE76X	0.992919921875
NODE425X	GENE672X	GENE559X	0.992919921875
NODE426X	GENE1358X	NODE151X	0.992919921875
NODE427X	GENE1471X	NODE156X	0.992919921875
NODE428X	GENE2174X	GENE2010X	0.992919921875
NODE429X	NODE65X	GENE1181X	0.992919921875
NODE430X	GENE319X	GENE999X	0.99285888671875
NODE431X	GENE485X	GENE1791X	0.99285888671875
NODE432X	GENE816X	GENE1962X	0.99285888671875
NODE433X	GENE2426X	GENE1529X	0.99285888671875
NODE434X	GENE1668X	GENE2070X	0.99285888671875
NODE435X	NODE125X	GENE2095X	0.99285888671875
NODE436X	GENE2127X	GENE2475X	0.99285888671875
NODE437X	GENE596X	GENE2083X	0.9927978515625
NODE438X	GENE1180X	GENE2588X	0.9927978515625
NODE439X	NODE126X	GENE1255X	0.9927978515625
NODE440X	GENE2615X	GENE1301X	0.9927978515625
NODE441X	NODE135X	NODE345X	0.9927978515625
NODE442X	GENE1018X	GENE1367X	0.99273681640625
NODE443X	GENE132X	GENE968X	0.99267578125
NODE444X	GENE134X	GENE541X	0.99267578125
NODE445X	GENE2001X	GENE1828X	0.99267578125
NODE446X	GENE121X	GENE2321X	0.99261474609375
NODE447X	GENE762X	GENE340X	0.99261474609375
NODE448X	GENE1872X	GENE834X	0.99261474609375
NODE449X	GENE1044X	GENE1937X	0.99261474609375
NODE450X	NODE274X	GENE2016X	0.99261474609375
NODE451X	NODE267X	GENE1317X	0.9925537109375
NODE452X	GENE2080X	GENE2294X	0.9925537109375
NODE453X	GENE2531X	GENE2272X	0.9925537109375
NODE454X	NODE229X	GENE95X	0.99249267578125
NODE455X	GENE542X	GENE1512X	0.99249267578125
NODE456X	GENE1538X	GENE603X	0.99249267578125

NODE457X	GENE2538X	GENE1822X	0.99249267578125
NODE458X	GENE2671X	GENE2361X	0.99249267578125
NODE459X	GENE593X	GENE2257X	0.992431640625
NODE460X	GENE1696X	GENE1695X	0.992431640625
NODE461X	GENE45X	GENE1053X	0.99237060546875
NODE462X	GENE230X	GENE1284X	0.99237060546875
NODE463X	GENE1391X	GENE1658X	0.99237060546875
NODE464X	GENE2667X	GENE652X	0.9923095703125
NODE465X	NODE289X	GENE1134X	0.99224853515625
NODE466X	GENE2220X	GENE1566X	0.99224853515625
NODE467X	NODE101X	NODE99X	0.99224853515625
NODE468X	NODE269X	GENE1437X	0.99224853515625
NODE469X	GENE128X	NODE385X	0.9921875
NODE470X	GENE1051X	GENE169X	0.9921875
NODE471X	GENE912X	NODE293X	0.9921875
NODE472X	NODE118X	NODE304X	0.9921875
NODE473X	GENE508X	GENE2223X	0.99212646484375
NODE474X	GENE1333X	GENE1070X	0.99212646484375
NODE475X	GENE1794X	GENE1118X	0.99212646484375
NODE476X	GENE1252X	GENE1253X	0.99212646484375
NODE477X	GENE1572X	NODE371X	0.99212646484375
NODE478X	GENE747X	GENE986X	0.9920654296875
NODE479X	GENE1975X	GENE1083X	0.9920654296875
NODE480X	GENE1887X	GENE1399X	0.9920654296875
NODE481X	GENE1857X	GENE1967X	0.9920654296875
NODE482X	NODE160X	NODE251X	0.9920654296875
NODE483X	GENE1497X	GENE855X	0.99200439453125
NODE484X	GENE998X	GENE1184X	0.99200439453125
NODE485X	NODE277X	GENE2311X	0.99200439453125
NODE486X	GENE2423X	GENE2381X	0.99200439453125
NODE487X	GENE2600X	GENE2601X	0.99200439453125
NODE488X	GENE850X	GENE1162X	0.991943359375
NODE489X	GENE2204X	GENE993X	0.991943359375
NODE490X	GENE2051X	GENE1057X	0.991943359375
NODE491X	GENE1251X	GENE1646X	0.991943359375
NODE492X	GENE1276X	GENE1804X	0.991943359375
NODE493X	GENE1327X	GENE2613X	0.991943359375
NODE494X	GENE1898X	GENE1699X	0.991943359375
NODE495X	GENE2143X	NODE322X	0.991943359375
NODE496X	GENE1555X	GENE269X	0.99188232421875
NODE497X	GENE878X	GENE1783X	0.99188232421875
NODE498X	GENE1328X	GENE2188X	0.99188232421875
NODE499X	GENE2162X	GENE2161X	0.99188232421875
NODE500X	NODE145X	GENE1379X	0.9918212890625
NODE501X	GENE2150X	GENE2342X	0.9918212890625
NODE502X	NODE305X	NODE174X	0.9918212890625
NODE503X	GENE2062X	GENE25X	0.99176025390625
NODE504X	GENE160X	GENE280X	0.99176025390625
NODE505X	GENE1152X	GENE1929X	0.99176025390625
NODE506X	GENE2431X	NODE203X	0.99176025390625
NODE507X	NODE158X	NODE266X	0.99176025390625
NODE508X	NODE417X	NODE59X	0.99176025390625
NODE509X	GENE370X	NODE33X	0.99169921875
NODE510X	GENE734X	GENE1088X	0.99169921875
NODE511X	GENE1810X	NODE143X	0.99169921875
NODE512X	GENE4X	NODE193X	0.99169921875
NODE513X	GENE690X	GENE1750X	0.99163818359375

NODE514X	GENE1030X	GENE928X	0.99163818359375
NODE515X	GENE764X	NODE175X	0.99163818359375
NODE516X	GENE70X	GENE713X	0.9915771484375
NODE517X	GENE75X	NODE256X	0.9915771484375
NODE518X	GENE415X	GENE1455X	0.9915771484375
NODE519X	NODE262X	GENE403X	0.9915771484375
NODE520X	GENE2266X	GENE397X	0.99151611328125
NODE521X	GENE2280X	GENE1649X	0.99151611328125
NODE522X	GENE2390X	GENE2384X	0.99151611328125
NODE523X	NODE121X	GENE119X	0.991455078125
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NODE539X	GENE1781X	GENE282X	0.99114990234375
NODE540X	GENE479X	NODE93X	0.99114990234375
NODE541X	NODE339X	GENE647X	0.99114990234375
NODE542X	GENE2445X	GENE1323X	0.99114990234375
NODE543X	NODE86X	GENE358X	0.9910888671875
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NODE545X	GENE1598X	GENE1167X	0.9910888671875
NODE546X	GENE2159X	NODE244X	0.9910888671875
NODE547X	GENE1095X	NODE297X	0.9910888671875
NODE548X	NODE334X	NODE335X	0.9910888671875
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NODE550X	GENE1496X	NODE423X	0.9910888671875
NODE551X	GENE361X	GENE1600X	0.99102783203125
NODE552X	GENE2189X	GENE1978X	0.99102783203125
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NODE566X	GENE194X	GENE988X	0.99078369140625
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NODE570X	GENE1582X	GENE395X	0.99066162109375

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NODE572X	GENE2126X	GENE671X	0.99066162109375
NODE573X	GENE1615X	GENE1448X	0.99066162109375
NODE574X	GENE2246X	GENE2612X	0.99066162109375
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NODE576X	GENE51X	GENE608X	0.9906005859375
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NODE611X	GENE448X	GENE1227X	0.9901123046875
NODE612X	GENE1628X	GENE1904X	0.9901123046875
NODE613X	GENE2307X	GENE2217X	0.9901123046875
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NODE615X	GENE430X	GENE2526X	0.99005126953125
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NODE617X	NODE172X	NODE615X	0.99005126953125
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NODE622X	GENE1879X	NODE431X	0.989990234375
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NODE624X	GENE1684X	GENE532X	0.98992919921875
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NODE626X	GENE2309X	GENE1733X	0.9898681640625
NODE627X	GENE2024X	NODE391X	0.9898681640625

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NODE629X	GENE52X	GENE1396X	0.98980712890625
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NODE632X	GENE908X	GENE2165X	0.98980712890625
NODE633X	NODE353X	GENE1066X	0.98980712890625
NODE634X	NODE372X	GENE2378X	0.98980712890625
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NODE638X	GENE1558X	GENE1557X	0.98974609375
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NODE640X	GENE2310X	GENE1657X	0.98968505859375
NODE641X	NODE280X	GENE605X	0.98968505859375
NODE642X	GENE1410X	NODE309X	0.98968505859375
NODE643X	GENE1594X	GENE2490X	0.9896240234375
NODE644X	NODE312X	GENE2660X	0.9896240234375
NODE645X	NODE220X	NODE177X	0.9896240234375
NODE646X	NODE317X	NODE240X	0.9896240234375
NODE647X	GENE1029X	GENE398X	0.98956298828125
NODE648X	GENE598X	GENE801X	0.98956298828125
NODE649X	NODE214X	GENE1511X	0.98944091796875
NODE650X	NODE188X	GENE2345X	0.98944091796875
NODE651X	NODE351X	GENE89X	0.9893798828125
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NODE655X	GENE2517X	NODE466X	0.9893798828125
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NODE657X	GENE73X	GENE2326X	0.9892578125
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NODE662X	GENE424X	GENE2335X	0.98919677734375
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NODE664X	GENE1242X	GENE1577X	0.98919677734375
NODE665X	GENE1341X	GENE2293X	0.98919677734375
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NODE667X	GENE502X	GENE342X	0.9891357421875
NODE668X	GENE1976X	GENE426X	0.9891357421875
NODE669X	GENE1039X	GENE1563X	0.9891357421875
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NODE671X	GENE83X	GENE2344X	0.98907470703125
NODE672X	GENE504X	GENE1476X	0.98907470703125
NODE673X	GENE2411X	GENE8X	0.989013671875
NODE674X	GENE715X	GENE2268X	0.989013671875
NODE675X	GENE2327X	GENE719X	0.989013671875
NODE676X	GENE1825X	GENE2069X	0.989013671875
NODE677X	GENE2279X	GENE2556X	0.989013671875
NODE678X	NODE486X	GENE1840X	0.989013671875
NODE679X	GENE1850X	GENE1126X	0.98895263671875
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NODE681X	GENE2245X	GENE2587X	0.98895263671875
NODE682X	GENE2278X	NODE227X	0.98895263671875
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NODE684X	GENE1275X	GENE2435X	0.9888916015625

NODE685X	GENE1472X	GENE1907X	0.9888916015625
NODE686X	GENE1565X	GENE1778X	0.9888916015625
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NODE690X	NODE424X	NODE323X	0.98883056640625
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NODE692X	GENE1662X	GENE1681X	0.98870849609375
NODE693X	GENE419X	GENE1640X	0.9886474609375
NODE694X	GENE1034X	NODE148X	0.9886474609375
NODE695X	NODE303X	GENE1191X	0.9886474609375
NODE696X	GENE1570X	GENE507X	0.988525390625
NODE697X	GENE1278X	GENE1742X	0.988525390625
NODE698X	NODE593X	GENE1073X	0.988525390625
NODE699X	GENE28X	GENE2471X	0.98846435546875
NODE700X	GENE418X	GENE94X	0.98846435546875
NODE701X	GENE2501X	GENE325X	0.98846435546875
NODE702X	GENE368X	GENE2191X	0.98846435546875
NODE703X	GENE222X	GENE202X	0.9884033203125
NODE704X	GENE965X	GENE1190X	0.9884033203125
NODE705X	GENE1798X	NODE328X	0.9884033203125
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NODE707X	GENE2178X	GENE85X	0.98834228515625
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NODE709X	GENE1220X	GENE1204X	0.98834228515625
NODE710X	NODE558X	NODE247X	0.98834228515625
NODE711X	GENE1717X	GENE648X	0.98828125
NODE712X	GENE1136X	GENE817X	0.98828125
NODE713X	GENE1567X	GENE2290X	0.98828125
NODE714X	NODE170X	NODE208X	0.98828125
NODE715X	GENE390X	NODE46X	0.98822021484375
NODE716X	GENE808X	GENE456X	0.98822021484375
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NODE718X	GENE865X	GENE683X	0.988037109375
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NODE723X	GENE2635X	GENE1753X	0.98797607421875
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NODE731X	GENE932X	NODE324X	0.98779296875
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NODE733X	NODE413X	NODE435X	0.98779296875
NODE734X	GENE1809X	GENE272X	0.98773193359375
NODE735X	GENE1344X	GENE726X	0.9876708984375
NODE736X	GENE1144X	NODE481X	0.9876708984375
NODE737X	GENE2409X	GENE2558X	0.9876708984375
NODE738X	GENE613X	GENE1803X	0.98760986328125
NODE739X	GENE47X	GENE2452X	0.987548828125
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NODE741X	GENE1401X	NODE467X	0.987548828125

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NODE743X	GENE331X	GENE1580X	0.98748779296875
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NODE748X	GENE723X	GENE873X	0.98736572265625
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NODE755X	GENE2234X	GENE1116X	0.98724365234375
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NODE758X	GENE145X	GENE1980X	0.9871826171875
NODE759X	GENE474X	GENE1321X	0.98712158203125
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NODE761X	GENE2147X	NODE19X	0.98712158203125
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NODE785X	GENE2320X	GENE851X	0.9866943359375
NODE786X	NODE397X	NODE508X	0.9866943359375
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NODE788X	GENE1426X	GENE681X	0.98663330078125
NODE789X	GENE371X	NODE211X	0.986572265625
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NODE792X	GENE377X	NODE164X	0.98651123046875
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NODE801X	GENE263X	GENE1762X	0.98638916015625
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NODE803X	GENE1222X	GENE963X	0.986328125
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NODE884X	GENE1042X	NODE389X	0.98468017578125
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NODE1010X	GENE1581X	GENE176X	0.9820556640625
NODE1011X	GENE2240X	GENE1726X	0.98199462890625
NODE1012X	NODE462X	GENE1704X	0.98199462890625
NODE1013X	NODE761X	GENE2132X	0.98199462890625
NODE1014X	GENE553X	GENE844X	0.98193359375
NODE1015X	GENE181X	NODE815X	0.98193359375
NODE1016X	GENE2617X	GENE765X	0.98187255859375
NODE1017X	NODE362X	GENE2407X	0.98187255859375
NODE1018X	GENE1277X	GENE2641X	0.9818115234375
NODE1019X	NODE358X	NODE738X	0.9818115234375
NODE1020X	GENE528X	NODE711X	0.98175048828125
NODE1021X	GENE2148X	GENE1072X	0.98175048828125
NODE1022X	NODE525X	GENE1851X	0.98175048828125
NODE1023X	NODE530X	NODE585X	0.98175048828125
NODE1024X	NODE621X	GENE2156X	0.98175048828125
NODE1025X	GENE2646X	GENE345X	0.981689453125
NODE1026X	NODE709X	NODE401X	0.981689453125

NODE1027X	GENE2554X	GENE1650X	0.98162841796875
NODE1028X	GENE2175X	GENE651X	0.9815673828125
NODE1029X	NODE652X	GENE1256X	0.9815673828125
NODE1030X	GENE1852X	GENE1153X	0.98150634765625
NODE1031X	GENE2462X	GENE1293X	0.98150634765625
NODE1032X	GENE2236X	GENE1343X	0.9814453125
NODE1033X	GENE917X	GENE653X	0.98138427734375
NODE1034X	GENE1686X	NODE789X	0.98138427734375
NODE1035X	NODE683X	GENE2372X	0.98138427734375
NODE1036X	GENE2226X	GENE1435X	0.9813232421875
NODE1037X	NODE599X	NODE398X	0.9813232421875
NODE1038X	GENE1192X	GENE2393X	0.98126220703125
NODE1039X	GENE1692X	NODE763X	0.981201171875
NODE1040X	GENE147X	GENE35X	0.98114013671875
NODE1041X	GENE2022X	GENE246X	0.98114013671875
NODE1042X	GENE1179X	GENE1201X	0.98114013671875
NODE1043X	GENE1544X	NODE455X	0.98114013671875
NODE1044X	GENE2299X	NODE589X	0.98114013671875
NODE1045X	NODE463X	NODE225X	0.98114013671875
NODE1046X	NODE768X	GENE427X	0.98114013671875
NODE1047X	GENE1096X	GENE2570X	0.9810791015625
NODE1048X	GENE2197X	GENE2264X	0.98101806640625
NODE1049X	NODE567X	NODE728X	0.98101806640625
NODE1050X	GENE958X	NODE749X	0.98095703125
NODE1051X	NODE645X	NODE548X	0.98089599609375
NODE1052X	GENE168X	GENE1214X	0.9808349609375
NODE1053X	GENE1289X	GENE2494X	0.9808349609375
NODE1054X	NODE199X	GENE341X	0.98077392578125
NODE1055X	NODE359X	GENE2232X	0.98077392578125
NODE1056X	GENE2238X	GENE2331X	0.98077392578125
NODE1057X	NODE819X	NODE236X	0.98077392578125
NODE1058X	NODE375X	NODE560X	0.98077392578125
NODE1059X	GENE322X	GENE1189X	0.980712890625
NODE1060X	GENE2312X	GENE1269X	0.980712890625
NODE1061X	GENE57X	NODE469X	0.98065185546875
NODE1062X	GENE1378X	GENE261X	0.98065185546875
NODE1063X	GENE557X	NODE867X	0.9805908203125
NODE1064X	GENE2145X	GENE2141X	0.9805908203125
NODE1065X	NODE857X	NODE628X	0.9805908203125
NODE1066X	GENE2292X	NODE954X	0.9805908203125
NODE1067X	GENE405X	GENE2505X	0.98052978515625
NODE1068X	GENE406X	GENE1175X	0.98052978515625
NODE1069X	NODE488X	GENE525X	0.98052978515625
NODE1070X	NODE753X	NODE483X	0.98052978515625
NODE1071X	NODE868X	NODE91X	0.98046875
NODE1072X	NODE184X	GENE2170X	0.98040771484375
NODE1073X	GENE1504X	GENE754X	0.9803466796875
NODE1074X	GENE1320X	GENE1043X	0.9803466796875
NODE1075X	NODE109X	NODE438X	0.9803466796875
NODE1076X	NODE474X	NODE541X	0.9803466796875
NODE1077X	GENE56X	NODE308X	0.98028564453125
NODE1078X	GENE1132X	NODE239X	0.98028564453125
NODE1079X	NODE889X	NODE476X	0.98028564453125
NODE1080X	GENE746X	GENE2480X	0.980224609375
NODE1081X	GENE2212X	GENE750X	0.980224609375
NODE1082X	GENE1942X	GENE49X	0.98016357421875
NODE1083X	GENE2274X	NODE456X	0.98016357421875

NODE1084X	GENE794X	GENE2237X	0.9801025390625
NODE1085X	GENE2009X	NODE252X	0.9801025390625
NODE1086X	GENE763X	NODE742X	0.98004150390625
NODE1087X	NODE192X	NODE911X	0.98004150390625
NODE1088X	GENE434X	GENE1736X	0.97998046875
NODE1089X	GENE2577X	GENE495X	0.97998046875
NODE1090X	NODE496X	GENE494X	0.97998046875
NODE1091X	NODE916X	NODE714X	0.97998046875
NODE1092X	NODE733X	NODE731X	0.97998046875
NODE1093X	GENE1584X	NODE623X	0.97991943359375
NODE1094X	GENE1099X	NODE754X	0.9798583984375
NODE1095X	GENE221X	GENE1933X	0.97979736328125
NODE1096X	GENE1632X	GENE703X	0.97979736328125
NODE1097X	GENE806X	NODE552X	0.97979736328125
NODE1098X	NODE843X	GENE1517X	0.97979736328125
NODE1099X	GENE737X	GENE2259X	0.979736328125
NODE1100X	GENE2433X	GENE1766X	0.979736328125
NODE1101X	NODE337X	NODE569X	0.979736328125
NODE1102X	NODE485X	NODE787X	0.979736328125
NODE1103X	GENE2596X	NODE1045X	0.979736328125
NODE1104X	GENE2224X	GENE1709X	0.97967529296875
NODE1105X	GENE307X	GENE450X	0.9796142578125
NODE1106X	NODE726X	GENE1918X	0.9796142578125
NODE1107X	NODE330X	NODE562X	0.9796142578125
NODE1108X	GENE2571X	GENE1782X	0.97955322265625
NODE1109X	NODE408X	NODE836X	0.97955322265625
NODE1110X	GENE2058X	GENE1032X	0.9794921875
NODE1111X	NODE616X	GENE1315X	0.9794921875
NODE1112X	NODE534X	NODE420X	0.9794921875
NODE1113X	GENE437X	NODE419X	0.97943115234375
NODE1114X	GENE1299X	NODE713X	0.97943115234375
NODE1115X	NODE514X	NODE710X	0.9793701171875
NODE1116X	NODE617X	NODE750X	0.979248046875
NODE1117X	NODE791X	NODE641X	0.9791259765625
NODE1118X	GENE1867X	NODE704X	0.9791259765625
NODE1119X	NODE847X	GENE219X	0.9791259765625
NODE1120X	GENE285X	NODE583X	0.97906494140625
NODE1121X	GENE992X	GENE820X	0.97906494140625
NODE1122X	GENE2112X	NODE539X	0.97906494140625
NODE1123X	NODE686X	NODE766X	0.97906494140625
NODE1124X	NODE1051X	NODE767X	0.97906494140625
NODE1125X	GENE2516X	GENE913X	0.97900390625
NODE1126X	GENE1625X	GENE1902X	0.97900390625
NODE1127X	NODE1085X	NODE503X	0.97900390625
NODE1128X	NODE538X	NODE719X	0.97894287109375
NODE1129X	NODE516X	NODE945X	0.97894287109375
NODE1130X	NODE977X	NODE900X	0.97894287109375
NODE1131X	GENE1540X	GENE1539X	0.9788818359375
NODE1132X	NODE807X	NODE489X	0.9788818359375
NODE1133X	NODE808X	NODE661X	0.978759765625
NODE1134X	NODE232X	GENE1645X	0.97869873046875
NODE1135X	NODE697X	NODE500X	0.97869873046875
NODE1136X	NODE656X	NODE894X	0.97869873046875
NODE1137X	NODE886X	NODE702X	0.9786376953125
NODE1138X	GENE1725X	NODE403X	0.978515625
NODE1139X	GENE1892X	GENE2144X	0.97845458984375
NODE1140X	NODE402X	NODE898X	0.97845458984375

NODE1141X	NODE551X	NODE682X	0.97845458984375
NODE1142X	NODE595X	GENE2356X	0.97845458984375
NODE1143X	GENE1590X	GENE793X	0.9783935546875
NODE1144X	NODE596X	NODE490X	0.9783935546875
NODE1145X	GENE1156X	GENE2097X	0.978271484375
NODE1146X	GENE2302X	GENE2594X	0.978271484375
NODE1147X	NODE458X	NODE650X	0.978271484375
NODE1148X	GENE861X	GENE640X	0.9781494140625
NODE1149X	NODE637X	NODE340X	0.9781494140625
NODE1150X	GENE2377X	NODE788X	0.97808837890625
NODE1151X	GENE469X	GENE217X	0.97802734375
NODE1152X	GENE925X	GENE1994X	0.97802734375
NODE1153X	GENE2296X	NODE329X	0.97802734375
NODE1154X	GENE742X	NODE822X	0.97796630859375
NODE1155X	GENE2113X	GENE1054X	0.97796630859375
NODE1156X	GENE213X	GENE2513X	0.9779052734375
NODE1157X	NODE666X	GENE724X	0.9779052734375
NODE1158X	GENE2177X	GENE828X	0.9779052734375
NODE1159X	GENE2662X	GENE1652X	0.9779052734375
NODE1160X	GENE2149X	GENE2201X	0.9779052734375
NODE1161X	GENE108X	GENE2666X	0.97784423828125
NODE1162X	GENE435X	NODE443X	0.97784423828125
NODE1163X	GENE2250X	GENE496X	0.97784423828125
NODE1164X	GENE2262X	GENE676X	0.977783203125
NODE1165X	GENE2419X	NODE748X	0.977783203125
NODE1166X	NODE1102X	NODE662X	0.977783203125
NODE1167X	GENE1217X	GENE1744X	0.97772216796875
NODE1168X	NODE871X	NODE409X	0.97772216796875
NODE1169X	NODE737X	GENE23X	0.9776611328125
NODE1170X	GENE1868X	GENE509X	0.97760009765625
NODE1171X	GENE807X	NODE418X	0.97760009765625
NODE1172X	GENE1188X	GENE1413X	0.97760009765625
NODE1173X	NODE354X	NODE948X	0.97760009765625
NODE1174X	NODE434X	NODE891X	0.97760009765625
NODE1175X	GENE1924X	NODE627X	0.9775390625
NODE1176X	GENE2574X	GENE2376X	0.9775390625
NODE1177X	NODE959X	GENE243X	0.97747802734375
NODE1178X	NODE1024X	GENE549X	0.97747802734375
NODE1179X	GENE662X	GENE1130X	0.97747802734375
NODE1180X	NODE1073X	GENE1573X	0.9774169921875
NODE1181X	NODE392X	GENE2306X	0.9774169921875
NODE1182X	NODE720X	NODE465X	0.9774169921875
NODE1183X	NODE579X	NODE939X	0.9774169921875
NODE1184X	GENE910X	NODE862X	0.97735595703125
NODE1185X	NODE581X	NODE498X	0.97735595703125
NODE1186X	NODE1075X	NODE410X	0.97735595703125
NODE1187X	GENE355X	NODE804X	0.977294921875
NODE1188X	GENE1212X	GENE369X	0.977294921875
NODE1189X	GENE378X	GENE1443X	0.977294921875
NODE1190X	GENE2125X	GENE1312X	0.977294921875
NODE1191X	NODE477X	NODE743X	0.977294921875
NODE1192X	GENE1678X	NODE597X	0.97723388671875
NODE1193X	GENE1627X	GENE2544X	0.9771728515625
NODE1194X	NODE707X	NODE404X	0.9771728515625
NODE1195X	GENE106X	GENE2340X	0.97711181640625
NODE1196X	GENE2394X	GENE2545X	0.97711181640625
NODE1197X	GENE260X	GENE245X	0.97705078125

NODE1198X	GENE949X	GENE1131X	0.97698974609375
NODE1199X	NODE673X	NODE644X	0.97698974609375
NODE1200X	GENE115X	NODE896X	0.9769287109375
NODE1201X	NODE932X	NODE450X	0.9769287109375
NODE1202X	NODE859X	NODE694X	0.97686767578125
NODE1203X	GENE2360X	GENE259X	0.976806640625
NODE1204X	NODE376X	NODE798X	0.97674560546875
NODE1205X	NODE934X	NODE786X	0.97674560546875
NODE1206X	GENE2140X	GENE113X	0.9766845703125
NODE1207X	GENE1125X	GENE503X	0.97662353515625
NODE1208X	GENE2519X	GENE1631X	0.9765625
NODE1209X	GENE2547X	GENE1748X	0.9765625
NODE1210X	NODE860X	NODE681X	0.9765625
NODE1211X	GENE2503X	GENE201X	0.97650146484375
NODE1212X	NODE235X	NODE667X	0.97650146484375
NODE1213X	NODE294X	NODE367X	0.97650146484375
NODE1214X	NODE675X	GENE1360X	0.97650146484375
NODE1215X	GENE1031X	GENE2123X	0.9764404296875
NODE1216X	NODE795X	GENE302X	0.9764404296875
NODE1217X	GENE612X	GENE2287X	0.976318359375
NODE1218X	GENE2017X	GENE1759X	0.976318359375
NODE1219X	NODE944X	GENE343X	0.97625732421875
NODE1220X	GENE1498X	GENE821X	0.97625732421875
NODE1221X	NODE635X	NODE846X	0.97625732421875
NODE1222X	NODE823X	NODE923X	0.9761962890625
NODE1223X	GENE1069X	NODE833X	0.9761962890625
NODE1224X	GENE959X	GENE2644X	0.97613525390625
NODE1225X	NODE352X	GENE1027X	0.97613525390625
NODE1226X	GENE1932X	GENE1738X	0.97613525390625
NODE1227X	NODE257X	NODE1113X	0.97607421875
NODE1228X	NODE922X	GENE1221X	0.97589111328125
NODE1229X	NODE316X	NODE1144X	0.97589111328125
NODE1230X	NODE875X	GENE1110X	0.97576904296875
NODE1231X	GENE1955X	GENE1133X	0.97576904296875
NODE1232X	GENE2575X	GENE1135X	0.97576904296875
NODE1233X	GENE2119X	GENE104X	0.9757080078125
NODE1234X	NODE1015X	GENE866X	0.9757080078125
NODE1235X	GENE1609X	GENE2551X	0.9757080078125
NODE1236X	GENE266X	NODE958X	0.9757080078125
NODE1237X	GENE413X	GENE2286X	0.9755859375
NODE1238X	NODE629X	NODE915X	0.97552490234375
NODE1239X	GENE744X	GENE499X	0.9754638671875
NODE1240X	GENE2406X	GENE1997X	0.9754638671875
NODE1241X	GENE2085X	NODE921X	0.9754638671875
NODE1242X	NODE1046X	NODE405X	0.97540283203125
NODE1243X	GENE2164X	NODE246X	0.97528076171875
NODE1244X	NODE677X	NODE1149X	0.97528076171875
NODE1245X	NODE268X	GENE492X	0.9752197265625
NODE1246X	GENE2392X	GENE1457X	0.9752197265625
NODE1247X	NODE626X	NODE114X	0.9752197265625
NODE1248X	GENE1274X	NODE647X	0.97515869140625
NODE1249X	NODE813X	NODE757X	0.97515869140625
NODE1250X	NODE387X	NODE801X	0.97509765625
NODE1251X	NODE991X	NODE1108X	0.97509765625
NODE1252X	GENE455X	GENE940X	0.97503662109375
NODE1253X	GENE1821X	GENE2573X	0.97503662109375
NODE1254X	NODE730X	GENE284X	0.97503662109375

NODE1255X	NODE1204X	NODE771X	0.97503662109375
NODE1256X	GENE420X	NODE640X	0.9749755859375
NODE1257X	GENE1247X	GENE852X	0.9749755859375
NODE1258X	GENE1150X	NODE1022X	0.97491455078125
NODE1259X	NODE1092X	NODE580X	0.97491455078125
NODE1260X	GENE309X	NODE1153X	0.97491455078125
NODE1261X	NODE608X	NODE712X	0.974853515625
NODE1262X	GENE1961X	GENE627X	0.97479248046875
NODE1263X	GENE2308X	GENE1834X	0.97479248046875
NODE1264X	GENE620X	NODE370X	0.9747314453125
NODE1265X	NODE598X	GENE1931X	0.97467041015625
NODE1266X	NODE735X	GENE892X	0.974609375
NODE1267X	NODE448X	GENE989X	0.974609375
NODE1268X	NODE557X	GENE2146X	0.974609375
NODE1269X	NODE631X	GENE677X	0.974609375
NODE1270X	NODE603X	GENE278X	0.97454833984375
NODE1271X	GENE459X	GENE1982X	0.97454833984375
NODE1272X	NODE895X	NODE701X	0.97454833984375
NODE1273X	GENE1823X	GENE2678X	0.9744873046875
NODE1274X	GENE79X	GENE2640X	0.97442626953125
NODE1275X	GENE1015X	NODE950X	0.97442626953125
NODE1276X	GENE1356X	GENE1283X	0.97442626953125
NODE1277X	GENE1579X	NODE756X	0.97442626953125
NODE1278X	GENE1491X	GENE1048X	0.974365234375
NODE1279X	GENE1697X	GENE2270X	0.974365234375
NODE1280X	NODE636X	NODE475X	0.974365234375
NODE1281X	NODE554X	NODE695X	0.97430419921875
NODE1282X	NODE820X	NODE561X	0.97430419921875
NODE1283X	GENE1751X	NODE513X	0.97418212890625
NODE1284X	GENE417X	NODE643X	0.97412109375
NODE1285X	GENE2181X	NODE839X	0.97412109375
NODE1286X	NODE1185X	NODE834X	0.97412109375
NODE1287X	NODE1003X	NODE890X	0.97412109375
NODE1288X	GENE1927X	NODE1111X	0.97412109375
NODE1289X	NODE1103X	GENE380X	0.97406005859375
NODE1290X	NODE872X	GENE1225X	0.97406005859375
NODE1291X	GENE2061X	GENE1786X	0.97406005859375
NODE1292X	NODE721X	NODE978X	0.97406005859375
NODE1293X	GENE977X	GENE2154X	0.9739990234375
NODE1294X	GENE312X	GENE883X	0.97393798828125
NODE1295X	NODE838X	GENE304X	0.973876953125
NODE1296X	GENE2477X	NODE882X	0.973876953125
NODE1297X	GENE524X	NODE1209X	0.97381591796875
NODE1298X	GENE1103X	GENE2628X	0.97381591796875
NODE1299X	NODE883X	NODE606X	0.9737548828125
NODE1300X	NODE633X	NODE1019X	0.9737548828125
NODE1301X	GENE2059X	GENE836X	0.97369384765625
NODE1302X	GENE639X	NODE594X	0.9736328125
NODE1303X	NODE620X	NODE1034X	0.9736328125
NODE1304X	GENE930X	NODE851X	0.97357177734375
NODE1305X	NODE772X	NODE442X	0.9735107421875
NODE1306X	GENE1267X	NODE775X	0.9735107421875
NODE1307X	GENE563X	GENE1985X	0.97344970703125
NODE1308X	GENE1439X	GENE46X	0.973388671875
NODE1309X	NODE938X	GENE286X	0.97332763671875
NODE1310X	GENE10X	GENE1808X	0.9732666015625
NODE1311X	GENE436X	GENE1206X	0.97320556640625

NODE1312X	NODE142X	GENE1680X	0.97320556640625
NODE1313X	GENE565X	GENE966X	0.97308349609375
NODE1314X	GENE1067X	NODE824X	0.9730224609375
NODE1315X	GENE1589X	GENE1820X	0.9730224609375
NODE1316X	GENE1768X	NODE796X	0.9730224609375
NODE1317X	NODE840X	NODE452X	0.9730224609375
NODE1318X	NODE369X	NODE919X	0.97296142578125
NODE1319X	NODE406X	GENE831X	0.972900390625
NODE1320X	NODE947X	GENE30X	0.972900390625
NODE1321X	GENE1084X	GENE1219X	0.97283935546875
NODE1322X	NODE724X	NODE877X	0.9727783203125
NODE1323X	NODE941X	NODE873X	0.9727783203125
NODE1324X	GENE876X	GENE1885X	0.97271728515625
NODE1325X	GENE210X	GENE1157X	0.97265625
NODE1326X	GENE1740X	GENE1068X	0.97259521484375
NODE1327X	NODE1154X	NODE622X	0.97259521484375
NODE1328X	GENE2173X	NODE852X	0.9725341796875
NODE1329X	NODE729X	NODE555X	0.97247314453125
NODE1330X	NODE931X	NODE565X	0.97247314453125
NODE1331X	GENE950X	GENE577X	0.97235107421875
NODE1332X	NODE706X	NODE1124X	0.97235107421875
NODE1333X	GENE2655X	GENE1983X	0.9722900390625
NODE1334X	GENE575X	GENE695X	0.97222900390625
NODE1335X	NODE864X	GENE2441X	0.97222900390625
NODE1336X	NODE853X	GENE2553X	0.97222900390625
NODE1337X	NODE646X	NODE964X	0.97222900390625
NODE1338X	GENE2478X	NODE545X	0.97210693359375
NODE1339X	GENE480X	GENE1365X	0.9720458984375
NODE1340X	GENE161X	NODE1029X	0.9720458984375
NODE1341X	GENE2639X	GENE1187X	0.97198486328125
NODE1342X	GENE1374X	GENE1210X	0.97198486328125
NODE1343X	GENE1716X	GENE2580X	0.97198486328125
NODE1344X	GENE2002X	GENE1163X	0.971923828125
NODE1345X	GENE1186X	GENE1468X	0.971923828125
NODE1346X	NODE273X	GENE1956X	0.9718017578125
NODE1347X	NODE1080X	GENE772X	0.9718017578125
NODE1348X	NODE1065X	NODE901X	0.9716796875
NODE1349X	GENE2603X	GENE1286X	0.9715576171875
NODE1350X	NODE881X	NODE805X	0.9715576171875
NODE1351X	NODE1287X	NODE1005X	0.9715576171875
NODE1352X	GENE1466X	NODE1191X	0.971435546875
NODE1353X	GENE159X	GENE1812X	0.97137451171875
NODE1354X	GENE228X	GENE2619X	0.97137451171875
NODE1355X	GENE2579X	GENE433X	0.97137451171875
NODE1356X	NODE1048X	NODE573X	0.97137451171875
NODE1357X	NODE783X	NODE770X	0.97137451171875
NODE1358X	GENE619X	GENE91X	0.9713134765625
NODE1359X	GENE1802X	GENE387X	0.9713134765625
NODE1360X	NODE1030X	GENE451X	0.9713134765625
NODE1361X	NODE658X	NODE739X	0.9713134765625
NODE1362X	NODE1116X	NODE792X	0.9713134765625
NODE1363X	GENE2403X	GENE1519X	0.97125244140625
NODE1364X	GENE255X	NODE249X	0.97113037109375
NODE1365X	GENE463X	GENE1388X	0.97113037109375
NODE1366X	GENE537X	NODE198X	0.97100830078125
NODE1367X	NODE1121X	GENE943X	0.97100830078125
NODE1368X	NODE963X	GENE800X	0.970947265625

NODE1369X	GENE982X	GENE178X	0.97088623046875
NODE1370X	GENE195X	GENE1796X	0.9708251953125
NODE1371X	GENE2215X	GENE1430X	0.97076416015625
NODE1372X	NODE693X	NODE1031X	0.970703125
NODE1373X	NODE825X	NODE758X	0.970703125
NODE1374X	NODE986X	GENE650X	0.97064208984375
NODE1375X	NODE1061X	NODE848X	0.97064208984375
NODE1376X	GENE897X	NODE676X	0.9705810546875
NODE1377X	GENE1041X	GENE1155X	0.9705810546875
NODE1378X	GENE845X	NODE760X	0.9705810546875
NODE1379X	GENE300X	GENE1383X	0.97052001953125
NODE1380X	GENE935X	GENE1836X	0.97052001953125
NODE1381X	NODE609X	NODE1008X	0.97052001953125
NODE1382X	NODE612X	NODE953X	0.970458984375
NODE1383X	NODE670X	NODE1017X	0.970458984375
NODE1384X	GENE1986X	GENE1586X	0.97039794921875
NODE1385X	GENE2106X	GENE295X	0.9703369140625
NODE1386X	GENE411X	NODE657X	0.97027587890625
NODE1387X	GENE1331X	GENE2593X	0.97027587890625
NODE1388X	GENE2543X	GENE1516X	0.97027587890625
NODE1389X	NODE865X	NODE1070X	0.97027587890625
NODE1390X	NODE987X	NODE1135X	0.97021484375
NODE1391X	NODE751X	GENE2515X	0.97015380859375
NODE1392X	GENE885X	NODE821X	0.9700927734375
NODE1393X	GENE2332X	NODE774X	0.97003173828125
NODE1394X	GENE1199X	GENE826X	0.969970703125
NODE1395X	NODE1082X	GENE2427X	0.969970703125
NODE1396X	NODE929X	NODE769X	0.96990966796875
NODE1397X	GENE2479X	NODE521X	0.9698486328125
NODE1398X	GENE960X	NODE967X	0.9698486328125
NODE1399X	GENE61X	GENE379X	0.96966552734375
NODE1400X	GENE2352X	GENE1259X	0.96966552734375
NODE1401X	NODE924X	NODE1078X	0.96966552734375
NODE1402X	GENE2365X	GENE1622X	0.96942138671875
NODE1403X	GENE1079X	GENE2184X	0.9693603515625
NODE1404X	GENE2447X	NODE291X	0.9693603515625
NODE1405X	NODE1122X	NODE928X	0.9693603515625
NODE1406X	GENE460X	NODE718X	0.96929931640625
NODE1407X	NODE669X	GENE2190X	0.96929931640625
NODE1408X	GENE2584X	NODE984X	0.96929931640625
NODE1409X	GENE2455X	GENE373X	0.96923828125
NODE1410X	GENE1369X	GENE1643X	0.96923828125
NODE1411X	NODE1099X	NODE634X	0.96917724609375
NODE1412X	NODE708X	NODE764X	0.96917724609375
NODE1413X	GENE175X	GENE2343X	0.9691162109375
NODE1414X	NODE972X	GENE2004X	0.9691162109375
NODE1415X	NODE1012X	NODE1027X	0.96893310546875
NODE1416X	NODE1141X	NODE1023X	0.96893310546875
NODE1417X	GENE867X	GENE812X	0.96881103515625
NODE1418X	NODE981X	NODE1225X	0.96881103515625
NODE1419X	GENE1685X	GENE151X	0.96868896484375
NODE1420X	GENE668X	NODE1280X	0.96868896484375
NODE1421X	GENE2592X	NODE927X	0.96868896484375
NODE1422X	NODE582X	NODE563X	0.96868896484375
NODE1423X	GENE526X	NODE995X	0.9686279296875
NODE1424X	NODE802X	GENE995X	0.9686279296875
NODE1425X	GENE190X	GENE649X	0.968505859375

NODE1426X	NODE1170X	GENE2254X	0.96844482421875
NODE1427X	NODE773X	NODE1010X	0.96844482421875
NODE1428X	NODE784X	NODE793X	0.96844482421875
NODE1429X	NODE1090X	GENE1306X	0.9683837890625
NODE1430X	NODE861X	NODE926X	0.9683837890625
NODE1431X	GENE905X	GENE2198X	0.96826171875
NODE1432X	NODE974X	NODE1332X	0.96826171875
NODE1433X	GENE1417X	GENE743X	0.9681396484375
NODE1434X	GENE1515X	GENE1774X	0.968017578125
NODE1435X	NODE487X	NODE1067X	0.96795654296875
NODE1436X	NODE996X	NODE992X	0.9678955078125
NODE1437X	GENE2460X	GENE921X	0.96783447265625
NODE1438X	NODE1168X	NODE512X	0.96783447265625
NODE1439X	NODE955X	NODE870X	0.96783447265625
NODE1440X	GENE442X	NODE799X	0.9677734375
NODE1441X	GENE1506X	GENE2167X	0.9676513671875
NODE1442X	NODE654X	GENE673X	0.96746826171875
NODE1443X	GENE702X	GENE2616X	0.96746826171875
NODE1444X	NODE1011X	GENE1666X	0.96746826171875
NODE1445X	NODE614X	NODE1337X	0.96734619140625
NODE1446X	NODE1212X	NODE876X	0.96734619140625
NODE1447X	NODE973X	NODE1249X	0.96734619140625
NODE1448X	NODE1328X	NODE880X	0.96734619140625
NODE1449X	NODE831X	GENE1056X	0.96728515625
NODE1450X	NODE909X	GENE1623X	0.96728515625
NODE1451X	GENE2566X	NODE1188X	0.96728515625
NODE1452X	NODE1344X	GENE2336X	0.96728515625
NODE1453X	NODE1083X	NODE578X	0.96722412109375
NODE1454X	NODE655X	GENE991X	0.96722412109375
NODE1455X	NODE744X	NODE1325X	0.96722412109375
NODE1456X	GENE1549X	GENE841X	0.9671630859375
NODE1457X	NODE1044X	NODE1069X	0.9671630859375
NODE1458X	GENE686X	GENE2632X	0.96710205078125
NODE1459X	GENE271X	GENE193X	0.967041015625
NODE1460X	NODE776X	NODE1148X	0.967041015625
NODE1461X	GENE1470X	GENE856X	0.96697998046875
NODE1462X	NODE933X	GENE877X	0.96685791015625
NODE1463X	GENE365X	GENE1235X	0.96673583984375
NODE1464X	NODE1316X	NODE1136X	0.96673583984375
NODE1465X	GENE1859X	NODE1021X	0.9666748046875
NODE1466X	GENE155X	GENE1038X	0.966552734375
NODE1467X	GENE2099X	GENE1040X	0.966552734375
NODE1468X	GENE590X	NODE845X	0.96649169921875
NODE1469X	GENE1406X	GENE1313X	0.96649169921875
NODE1470X	NODE858X	NODE1203X	0.9664306640625
NODE1471X	GENE2539X	GENE798X	0.96636962890625
NODE1472X	NODE740X	GENE301X	0.96630859375
NODE1473X	NODE1095X	NODE759X	0.96624755859375
NODE1474X	NODE1250X	NODE664X	0.9661865234375
NODE1475X	NODE1422X	NODE1072X	0.9661865234375
NODE1476X	NODE1322X	NODE1157X	0.9661865234375
NODE1477X	GENE1174X	GENE2251X	0.96600341796875
NODE1478X	GENE2438X	NODE1217X	0.96600341796875
NODE1479X	NODE1107X	NODE1255X	0.96600341796875
NODE1480X	GENE1647X	GENE2348X	0.96588134765625
NODE1481X	NODE1336X	NODE952X	0.9658203125
NODE1482X	NODE281X	NODE1112X	0.9656982421875

NODE1483X	NODE814X	NODE893X	0.9656982421875
NODE1484X	NODE1013X	NODE1247X	0.96563720703125
NODE1485X	GENE803X	NODE566X	0.965576171875
NODE1486X	GENE1970X	NODE1365X	0.965576171875
NODE1487X	GENE2077X	GENE2418X	0.9654541015625
NODE1488X	NODE1009X	GENE229X	0.96539306640625
NODE1489X	NODE1035X	GENE721X	0.96539306640625
NODE1490X	GENE2265X	GENE972X	0.96539306640625
NODE1491X	GENE2369X	NODE422X	0.96539306640625
NODE1492X	NODE1427X	NODE696X	0.96539306640625
NODE1493X	GENE107X	GENE1297X	0.96533203125
NODE1494X	NODE879X	NODE778X	0.96533203125
NODE1495X	NODE887X	NODE1050X	0.96533203125
NODE1496X	NODE1276X	NODE638X	0.96527099609375
NODE1497X	NODE817X	NODE925X	0.96527099609375
NODE1498X	GENE1380X	GENE985X	0.9652099609375
NODE1499X	NODE1192X	NODE914X	0.96514892578125
NODE1500X	NODE1047X	NODE1264X	0.965087890625
NODE1501X	GENE658X	GENE2200X	0.96502685546875
NODE1502X	NODE715X	GENE2368X	0.96502685546875
NODE1503X	NODE414X	NODE1270X	0.96502685546875
NODE1504X	NODE1037X	NODE940X	0.96502685546875
NODE1505X	NODE842X	NODE855X	0.9649658203125
NODE1506X	GENE1592X	NODE1178X	0.96490478515625
NODE1507X	NODE826X	NODE874X	0.96478271484375
NODE1508X	GENE1357X	GENE2206X	0.9647216796875
NODE1509X	NODE1189X	NODE903X	0.9647216796875
NODE1510X	NODE1064X	GENE109X	0.96453857421875
NODE1511X	NODE961X	NODE1282X	0.96453857421875
NODE1512X	GENE2012X	NODE1104X	0.96453857421875
NODE1513X	GENE1730X	GENE740X	0.9644775390625
NODE1514X	GENE906X	GENE2446X	0.9644775390625
NODE1515X	NODE1076X	NODE1330X	0.9644775390625
NODE1516X	GENE786X	NODE1195X	0.96435546875
NODE1517X	NODE1304X	GENE1771X	0.96435546875
NODE1518X	NODE1006X	NODE1274X	0.96435546875
NODE1519X	GENE2397X	NODE1300X	0.96429443359375
NODE1520X	NODE529X	NODE998X	0.96429443359375
NODE1521X	GENE126X	GENE122X	0.9642333984375
NODE1522X	GENE478X	GENE2489X	0.9642333984375
NODE1523X	GENE1375X	GENE1780X	0.9642333984375
NODE1524X	NODE1205X	NODE1348X	0.9642333984375
NODE1525X	NODE1134X	NODE584X	0.96417236328125
NODE1526X	GENE1754X	GENE471X	0.964111328125
NODE1527X	NODE1077X	GENE204X	0.9639892578125
NODE1528X	GENE819X	NODE965X	0.96392822265625
NODE1529X	NODE732X	NODE1272X	0.96392822265625
NODE1530X	NODE1007X	NODE1194X	0.96392822265625
NODE1531X	NODE1063X	NODE856X	0.9638671875
NODE1532X	NODE1244X	GENE1050X	0.9638671875
NODE1533X	GENE2258X	GENE58X	0.96380615234375
NODE1534X	GENE1568X	NODE611X	0.9637451171875
NODE1535X	NODE912X	NODE943X	0.9637451171875
NODE1536X	NODE1416X	NODE951X	0.9637451171875
NODE1537X	GENE1687X	GENE157X	0.96368408203125
NODE1538X	GENE2606X	GENE886X	0.96368408203125
NODE1539X	NODE969X	NODE1186X	0.963623046875

NODE1540X	GENE188X	NODE1343X	0.96343994140625
NODE1541X	NODE1033X	GENE462X	0.96319580078125
NODE1542X	NODE1214X	GENE2202X	0.96319580078125
NODE1543X	NODE935X	NODE461X	0.96319580078125
NODE1544X	GENE1172X	NODE1093X	0.96307373046875
NODE1545X	NODE1256X	NODE777X	0.96307373046875
NODE1546X	GENE149X	GENE220X	0.96295166015625
NODE1547X	GENE2045X	GENE1063X	0.96295166015625
NODE1548X	GENE1928X	GENE1938X	0.96270751953125
NODE1549X	NODE1125X	GENE2541X	0.962646484375
NODE1550X	GENE2166X	NODE1100X	0.96258544921875
NODE1551X	NODE1323X	NODE1091X	0.96258544921875
NODE1552X	GENE2283X	GENE2305X	0.96240234375
NODE1553X	NODE1132X	GENE1815X	0.96234130859375
NODE1554X	NODE930X	NODE1318X	0.96234130859375
NODE1555X	NODE1238X	NODE699X	0.96221923828125
NODE1556X	GENE1849X	GENE730X	0.962158203125
NODE1557X	GENE1019X	GENE1100X	0.962158203125
NODE1558X	NODE1169X	GENE1831X	0.962158203125
NODE1559X	NODE745X	NODE908X	0.962158203125
NODE1560X	GENE1941X	GENE758X	0.96209716796875
NODE1561X	GENE931X	GENE1428X	0.96209716796875
NODE1562X	GENE2514X	NODE946X	0.96209716796875
NODE1563X	GENE1949X	NODE1151X	0.96209716796875
NODE1564X	GENE2472X	GENE2627X	0.9619140625
NODE1565X	NODE1040X	NODE976X	0.9619140625
NODE1566X	GENE1483X	GENE391X	0.96185302734375
NODE1567X	GENE900X	NODE1039X	0.96185302734375
NODE1568X	GENE2609X	GENE2042X	0.96185302734375
NODE1569X	GENE2658X	NODE1074X	0.96185302734375
NODE1570X	NODE1054X	NODE447X	0.96185302734375
NODE1571X	NODE1127X	NODE680X	0.96185302734375
NODE1572X	NODE942X	NODE1301X	0.96185302734375
NODE1573X	GENE581X	GENE1806X	0.9617919921875
NODE1574X	GENE339X	NODE1234X	0.96173095703125
NODE1575X	GENE1316X	NODE806X	0.961669921875
NODE1576X	NODE936X	NODE1058X	0.961669921875
NODE1577X	NODE866X	NODE1303X	0.961669921875
NODE1578X	GENE2304X	GENE2642X	0.96160888671875
NODE1579X	NODE1279X	GENE2659X	0.96160888671875
NODE1580X	GENE2542X	GENE144X	0.96148681640625
NODE1581X	NODE1001X	GENE1418X	0.96148681640625
NODE1582X	NODE892X	NODE1389X	0.96148681640625
NODE1583X	NODE913X	GENE1838X	0.96142578125
NODE1584X	NODE590X	GENE2629X	0.96142578125
NODE1585X	GENE2315X	NODE1101X	0.9613037109375
NODE1586X	GENE376X	GENE2100X	0.961181640625
NODE1587X	GENE2665X	GENE490X	0.9610595703125
NODE1588X	GENE1329X	NODE366X	0.9610595703125
NODE1589X	NODE1292X	NODE1055X	0.96099853515625
NODE1590X	GENE1097X	GENE2371X	0.96087646484375
NODE1591X	NODE810X	NODE1098X	0.96087646484375
NODE1592X	GENE592X	NODE1105X	0.96087646484375
NODE1593X	NODE479X	GENE2536X	0.9608154296875
NODE1594X	NODE1233X	GENE1114X	0.96075439453125
NODE1595X	NODE982X	NODE1097X	0.960693359375
NODE1596X	NODE648X	GENE487X	0.96063232421875

NODE1597X	GENE215X	NODE1369X	0.96051025390625
NODE1598X	GENE2068X	GENE76X	0.96044921875
NODE1599X	GENE1021X	NODE850X	0.96044921875
NODE1600X	NODE1094X	NODE283X	0.96044921875
NODE1601X	GENE1761X	NODE1216X	0.96044921875
NODE1602X	GENE2557X	NODE1363X	0.96044921875
NODE1603X	GENE205X	NODE1068X	0.96038818359375
NODE1604X	NODE572X	NODE1145X	0.96038818359375
NODE1605X	NODE1235X	GENE357X	0.9603271484375
NODE1606X	GENE847X	GENE1523X	0.960205078125
NODE1607X	GENE1665X	GENE1593X	0.960205078125
NODE1608X	NODE1315X	GENE482X	0.96014404296875
NODE1609X	GENE2337X	GENE1059X	0.9600830078125
NODE1610X	NODE1049X	NODE980X	0.9600830078125
NODE1611X	NODE505X	NODE937X	0.95965576171875
NODE1612X	NODE653X	NODE1254X	0.95965576171875
NODE1613X	NODE671X	NODE1147X	0.95965576171875
NODE1614X	NODE812X	NODE725X	0.95953369140625
NODE1615X	NODE1210X	NODE1221X	0.95953369140625
NODE1616X	NODE1018X	GENE1123X	0.95941162109375
NODE1617X	GENE171X	GENE2183X	0.959228515625
NODE1618X	GENE1655X	GENE2003X	0.959228515625
NODE1619X	NODE716X	NODE1184X	0.959228515625
NODE1620X	NODE1056X	NODE1295X	0.959228515625
NODE1621X	GENE2122X	NODE797X	0.9591064453125
NODE1622X	NODE1199X	NODE1137X	0.9591064453125
NODE1623X	NODE988X	NODE994X	0.958984375
NODE1624X	GENE408X	NODE968X	0.95880126953125
NODE1625X	GENE2152X	GENE709X	0.95880126953125
NODE1626X	GENE37X	GENE1005X	0.958740234375
NODE1627X	NODE790X	GENE265X	0.958740234375
NODE1628X	GENE919X	GENE629X	0.958740234375
NODE1629X	GENE1525X	GENE1077X	0.958740234375
NODE1630X	NODE827X	GENE2048X	0.958740234375
NODE1631X	GENE761X	GENE1168X	0.95867919921875
NODE1632X	NODE1060X	GENE911X	0.95867919921875
NODE1633X	GENE82X	NODE1269X	0.95867919921875
NODE1634X	NODE746X	NODE1042X	0.9586181640625
NODE1635X	NODE803X	GENE6X	0.95849609375
NODE1636X	NODE1412X	NODE888X	0.95849609375
NODE1637X	NODE1372X	NODE1115X	0.95849609375
NODE1638X	NODE1334X	NODE999X	0.95843505859375
NODE1639X	GENE2432X	GENE2032X	0.9583740234375
NODE1640X	NODE829X	GENE1574X	0.95831298828125
NODE1641X	NODE1150X	NODE1407X	0.95831298828125
NODE1642X	NODE1290X	NODE1162X	0.95831298828125
NODE1643X	NODE1246X	GENE2329X	0.95819091796875
NODE1644X	NODE668X	NODE1161X	0.95819091796875
NODE1645X	NODE1201X	NODE816X	0.95819091796875
NODE1646X	NODE1317X	NODE1536X	0.95819091796875
NODE1647X	NODE1213X	GENE38X	0.9581298828125
NODE1648X	GENE1588X	GENE1530X	0.9581298828125
NODE1649X	NODE844X	NODE957X	0.9581298828125
NODE1650X	GENE1542X	GENE1630X	0.9580078125
NODE1651X	NODE1175X	NODE1294X	0.95794677734375
NODE1652X	GENE2549X	GENE2484X	0.9578857421875
NODE1653X	GENE2028X	GENE2158X	0.95782470703125

NODE1654X	NODE830X	GENE2138X	0.95782470703125
NODE1655X	NODE1160X	NODE1265X	0.957763671875
NODE1656X	NODE1289X	NODE765X	0.95770263671875
NODE1657X	GENE1801X	GENE1800X	0.9576416015625
NODE1658X	NODE1089X	NODE1501X	0.9576416015625
NODE1659X	NODE1220X	GENE1000X	0.95758056640625
NODE1660X	NODE1241X	NODE1327X	0.95758056640625
NODE1661X	NODE1236X	NODE837X	0.95751953125
NODE1662X	GENE678X	NODE1253X	0.95745849609375
NODE1663X	GENE659X	GENE830X	0.9573974609375
NODE1664X	GENE2614X	GENE2328X	0.9573974609375
NODE1665X	NODE1086X	NODE1554X	0.9573974609375
NODE1666X	NODE1171X	NODE570X	0.95733642578125
NODE1667X	NODE1551X	NODE1129X	0.95733642578125
NODE1668X	NODE678X	GENE1844X	0.957275390625
NODE1669X	NODE592X	NODE1038X	0.95709228515625
NODE1670X	GENE1654X	GENE182X	0.95697021484375
NODE1671X	GENE589X	GENE2063X	0.95697021484375
NODE1672X	GENE1689X	GENE1346X	0.95697021484375
NODE1673X	NODE1223X	NODE1385X	0.95697021484375
NODE1674X	NODE1593X	NODE1062X	0.95697021484375
NODE1675X	GENE869X	NODE1367X	0.9569091796875
NODE1676X	GENE745X	GENE1765X	0.95684814453125
NODE1677X	GENE1460X	GENE562X	0.956787109375
NODE1678X	NODE970X	NODE1071X	0.95672607421875
NODE1679X	NODE1396X	NODE1202X	0.95672607421875
NODE1680X	GENE2413X	GENE2450X	0.9566650390625
NODE1681X	NODE1507X	GENE1477X	0.95660400390625
NODE1682X	NODE527X	NODE1173X	0.95648193359375
NODE1683X	NODE1368X	NODE723X	0.95635986328125
NODE1684X	NODE1376X	NODE1262X	0.956298828125
NODE1685X	NODE869X	NODE1251X	0.95623779296875
NODE1686X	GENE1703X	GENE488X	0.9561767578125
NODE1687X	NODE1242X	NODE1495X	0.9561767578125
NODE1688X	NODE985X	NODE1467X	0.95611572265625
NODE1689X	GENE1368X	GENE2118X	0.9560546875
NODE1690X	GENE780X	NODE1096X	0.95599365234375
NODE1691X	NODE574X	NODE1482X	0.9559326171875
NODE1692X	NODE1610X	NODE1479X	0.9559326171875
NODE1693X	GENE1129X	NODE747X	0.95587158203125
NODE1694X	NODE1502X	NODE1229X	0.95562744140625
NODE1695X	GENE2379X	NODE727X	0.95556640625
NODE1696X	NODE526X	NODE1231X	0.95556640625
NODE1697X	NODE1296X	NODE1053X	0.95556640625
NODE1698X	GENE1361X	GENE78X	0.95550537109375
NODE1699X	NODE1447X	NODE1130X	0.955322265625
NODE1700X	GENE2086X	NODE1177X	0.95526123046875
NODE1701X	GENE1543X	NODE624X	0.9552001953125
NODE1702X	GENE2037X	NODE849X	0.9552001953125
NODE1703X	NODE907X	NODE1183X	0.9552001953125
NODE1704X	NODE1436X	NODE1057X	0.95513916015625
NODE1705X	NODE1174X	NODE1346X	0.95513916015625
NODE1706X	NODE1382X	GENE112X	0.95501708984375
NODE1707X	NODE1298X	GENE748X	0.9549560546875
NODE1708X	NODE1429X	NODE1081X	0.95489501953125
NODE1709X	GENE2412X	GENE180X	0.95477294921875
NODE1710X	GENE212X	GENE1047X	0.95477294921875

NODE1711X	NODE591X	GENE1779X	0.95477294921875
NODE1712X	GENE1149X	NODE1520X	0.9547119140625
NODE1713X	NODE1522X	GENE294X	0.9547119140625
NODE1714X	NODE1176X	GENE680X	0.95465087890625
NODE1715X	NODE1374X	NODE1117X	0.9544677734375
NODE1716X	NODE1259X	NODE1277X	0.9544677734375
NODE1717X	NODE1460X	GENE1611X	0.95428466796875
NODE1718X	NODE1139X	GENE179X	0.9542236328125
NODE1719X	NODE1079X	NODE1576X	0.9542236328125
NODE1720X	NODE1380X	GENE1947X	0.95416259765625
NODE1721X	NODE1449X	NODE1032X	0.95416259765625
NODE1722X	NODE1059X	GENE63X	0.95404052734375
NODE1723X	NODE762X	NODE818X	0.9539794921875
NODE1724X	NODE613X	NODE1310X	0.95391845703125
NODE1725X	NODE1377X	NODE1271X	0.95379638671875
NODE1726X	NODE685X	GENE90X	0.9534912109375
NODE1727X	NODE1535X	NODE688X	0.9534912109375
NODE1728X	GENE2591X	GENE74X	0.95343017578125
NODE1729X	NODE1388X	GENE1098X	0.95330810546875
NODE1730X	NODE990X	NODE1600X	0.9532470703125
NODE1731X	NODE1550X	GENE1230X	0.95318603515625
NODE1732X	GENE2218X	NODE1673X	0.95318603515625
NODE1733X	NODE1353X	NODE1120X	0.953125
NODE1734X	NODE897X	GENE595X	0.95306396484375
NODE1735X	GENE1524X	NODE1381X	0.9530029296875
NODE1736X	GENE936X	NODE1440X	0.95281982421875
NODE1737X	GENE2674X	GENE1304X	0.9527587890625
NODE1738X	NODE1182X	NODE1418X	0.9527587890625
NODE1739X	GENE314X	GENE1917X	0.95269775390625
NODE1740X	GENE1206X	GENE2038X	0.95257568359375
NODE1741X	GENE1002X	GENE1583X	0.9525146484375
NODE1742X	NODE1492X	NODE1026X	0.9525146484375
NODE1743X	NODE1425X	GENE2225X	0.9525146484375
NODE1744X	GENE1974X	NODE1525X	0.95220947265625
NODE1745X	NODE1109X	NODE1281X	0.95220947265625
NODE1746X	GENE2624X	GENE189X	0.9521484375
NODE1747X	NODE1261X	NODE1138X	0.95208740234375
NODE1748X	NODE1222X	NODE1499X	0.9520263671875
NODE1749X	GENE1547X	GENE1143X	0.95196533203125
NODE1750X	NODE1577X	NODE1243X	0.95196533203125
NODE1751X	NODE811X	NODE1314X	0.951904296875
NODE1752X	NODE1530X	GENE797X	0.951904296875
NODE1753X	GENE298X	NODE1197X	0.95147705078125
NODE1754X	GENE289X	NODE910X	0.951416015625
NODE1755X	NODE884X	NODE1329X	0.951416015625
NODE1756X	NODE1404X	NODE1165X	0.951416015625
NODE1757X	GENE1026X	GENE870X	0.95135498046875
NODE1758X	GENE2550X	GENE2645X	0.95135498046875
NODE1759X	GENE1552X	NODE1341X	0.9512939453125
NODE1760X	NODE1286X	NODE1118X	0.9512939453125
NODE1761X	GENE2527X	GENE1371X	0.95123291015625
NODE1762X	NODE1350X	NODE1245X	0.95111083984375
NODE1763X	NODE1514X	GENE580X	0.9510498046875
NODE1764X	NODE1140X	NODE1444X	0.950927734375
NODE1765X	NODE1590X	GENE186X	0.9508056640625
NODE1766X	NODE983X	NODE1539X	0.95074462890625
NODE1767X	NODE1123X	NODE1383X	0.95068359375

NODE1768X	GENE766X	GENE2476X	0.95062255859375
NODE1769X	GENE2564X	GENE1763X	0.95050048828125
NODE1770X	NODE1373X	NODE1114X	0.95050048828125
NODE1771X	GENE1334X	GENE1154X	0.950439453125
NODE1772X	GENE1968X	GENE1209X	0.950439453125
NODE1773X	NODE1585X	NODE1352X	0.950439453125
NODE1774X	GENE898X	NODE1275X	0.95025634765625
NODE1775X	NODE1397X	NODE1208X	0.95013427734375
NODE1776X	GENE1489X	GENE1965X	0.9500732421875
NODE1777X	NODE878X	NODE993X	0.94989013671875
NODE1778X	NODE1339X	NODE700X	0.9498291015625
NODE1779X	GENE297X	GENE707X	0.94964599609375
NODE1780X	GENE1400X	NODE971X	0.9495849609375
NODE1781X	NODE1307X	NODE1414X	0.94952392578125
NODE1782X	GENE293X	GENE2509X	0.949462890625
NODE1783X	GENE574X	GENE1273X	0.94921875
NODE1784X	GENE732X	GENE1837X	0.94921875
NODE1785X	NODE828X	NODE885X	0.94921875
NODE1786X	GENE231X	GENE1194X	0.9490966796875
NODE1787X	NODE1622X	NODE1438X	0.94903564453125
NODE1788X	GENE1875X	GENE464X	0.948974609375
NODE1789X	GENE1862X	GENE1861X	0.948974609375
NODE1790X	NODE1508X	GENE1349X	0.948974609375
NODE1791X	NODE1635X	GENE2071X	0.94873046875
NODE1792X	GENE2436X	GENE2291X	0.94873046875
NODE1793X	NODE1419X	GENE1013X	0.94866943359375
NODE1794X	NODE755X	GENE100X	0.94866943359375
NODE1795X	NODE1187X	GENE733X	0.9486083984375
NODE1796X	GENE1348X	GENE1893X	0.948486328125
NODE1797X	GENE1646X	NODE1299X	0.948486328125
NODE1798X	GENE1376X	NODE1707X	0.948486328125
NODE1799X	NODE1128X	NODE1445X	0.9482421875
NODE1800X	NODE1546X	NODE1628X	0.9482421875
NODE1801X	GENE952X	NODE1357X	0.9481201171875
NODE1802X	NODE997X	NODE1623X	0.9481201171875
NODE1803X	NODE1043X	NODE1582X	0.94805908203125
NODE1804X	NODE1375X	NODE1589X	0.947998046875
NODE1805X	NODE1504X	NODE1511X	0.947998046875
NODE1806X	NODE989X	NODE1667X	0.94775390625
NODE1807X	NODE1583X	GENE1240X	0.94769287109375
NODE1808X	NODE899X	NODE1248X	0.94757080078125
NODE1809X	NODE1198X	GENE152X	0.9473876953125
NODE1810X	GENE2271X	NODE1613X	0.94732666015625
NODE1811X	NODE1342X	GENE667X	0.947265625
NODE1812X	GENE990X	GENE484X	0.94720458984375
NODE1813X	NODE1669X	GENE308X	0.947021484375
NODE1814X	GENE1484X	NODE1428X	0.9468994140625
NODE1815X	NODE1166X	NODE1356X	0.94683837890625
NODE1816X	GENE795X	GENE1408X	0.94671630859375
NODE1817X	GENE163X	GENE1548X	0.94659423828125
NODE1818X	GENE1845X	NODE956X	0.9464111328125
NODE1819X	GENE1799X	GENE2018X	0.94635009765625
NODE1820X	NODE1237X	NODE835X	0.9462890625
NODE1821X	GENE1453X	NODE1025X	0.94622802734375
NODE1822X	NODE1313X	NODE1288X	0.9461669921875
NODE1823X	NODE1143X	NODE1601X	0.946044921875
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NODE1829X	GENE1636X	GENE890X	0.94561767578125
NODE1830X	GENE1218X	GENE446X	0.945556640625
NODE1831X	NODE1533X	GENE2116X	0.945556640625
NODE1832X	NODE1443X	NODE917X	0.9453125
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NODE1834X	NODE1752X	NODE1401X	0.94512939453125
NODE1835X	NODE1306X	NODE1258X	0.94500732421875
NODE1836X	NODE1351X	NODE1524X	0.94500732421875
NODE1837X	GENE2559X	GENE97X	0.9449462890625
NODE1838X	GENE518X	NODE1320X	0.9449462890625
NODE1839X	GENE2205X	NODE1000X	0.9449462890625
NODE1840X	NODE1475X	NODE1041X	0.9449462890625
NODE1841X	NODE1424X	NODE1360X	0.9447021484375
NODE1842X	NODE1020X	NODE1678X	0.94451904296875
NODE1843X	GENE2572X	NODE1285X	0.9444580078125
NODE1844X	NODE1662X	GENE2654X	0.94439697265625
NODE1845X	NODE1426X	NODE1087X	0.9443359375
NODE1846X	NODE1571X	NODE1036X	0.94427490234375
NODE1847X	NODE1452X	GENE2525X	0.94427490234375
NODE1848X	GENE2618X	GENE165X	0.94415283203125
NODE1849X	NODE1273X	NODE1489X	0.94415283203125
NODE1850X	GENE142X	GENE226X	0.94378662109375
NODE1851X	NODE1268X	GENE1081X	0.94378662109375
NODE1852X	NODE1780X	NODE1200X	0.94366455078125
NODE1853X	NODE1028X	NODE1260X	0.943603515625
NODE1854X	NODE1486X	NODE1180X	0.94354248046875
NODE1855X	GENE1139X	NODE1430X	0.9434814453125
NODE1856X	NODE698X	NODE1119X	0.94342041015625
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NODE1858X	NODE576X	GENE879X	0.943359375
NODE1859X	NODE1156X	NODE1232X	0.943115234375
NODE1860X	NODE1267X	NODE1734X	0.94256591796875
NODE1861X	GENE1518X	NODE1603X	0.94244384765625
NODE1862X	GENE1198X	NODE1796X	0.9423828125
NODE1863X	GENE2121X	NODE1110X	0.9422607421875
NODE1864X	GENE1465X	GENE1587X	0.94183349609375
NODE1865X	GENE1635X	GENE2634X	0.94183349609375
NODE1866X	NODE1227X	NODE1335X	0.94183349609375
NODE1867X	NODE1470X	NODE1338X	0.941650390625
NODE1868X	GENE1648X	NODE1349X	0.9415283203125
NODE1869X	NODE1155X	GENE720X	0.941162109375
NODE1870X	GENE1164X	GENE2247X	0.940673828125
NODE1871X	NODE295X	GENE1653X	0.9405517578125
NODE1872X	NODE1462X	NODE1580X	0.9404296875
NODE1873X	GENE980X	NODE975X	0.94036865234375
NODE1874X	NODE1682X	NODE1395X	0.94036865234375
NODE1875X	NODE1158X	GENE615X	0.9403076171875
NODE1876X	GENE1785X	GENE1285X	0.9403076171875
NODE1877X	GENE960X	NODE1490X	0.94024658203125
NODE1878X	GENE1906X	GENE1352X	0.940185546875
NODE1879X	NODE1742X	NODE1468X	0.940185546875
NODE1880X	GENE2036X	NODE1451X	0.94012451171875
NODE1881X	GENE868X	NODE1526X	0.94000244140625

NODE1882X	NODE1473X	NODE1681X	0.93994140625
NODE1883X	NODE1471X	GENE901X	0.939697265625
NODE1884X	NODE1466X	GENE1624X	0.939697265625
NODE1885X	NODE1644X	NODE1423X	0.93963623046875
NODE1886X	GENE130X	GENE1500X	0.939453125
NODE1887X	NODE1656X	NODE1446X	0.939453125
NODE1888X	NODE1762X	NODE1802X	0.939453125
NODE1889X	NODE1503X	NODE1747X	0.9393310546875
NODE1890X	GENE2649X	NODE1693X	0.939208984375
NODE1891X	NODE1219X	NODE1226X	0.9390869140625
NODE1892X	NODE1393X	NODE1785X	0.9388427734375
NODE1893X	GENE2104X	GENE674X	0.938720703125
NODE1894X	GENE853X	GENE2005X	0.93841552734375
NODE1895X	NODE1493X	NODE1521X	0.9381103515625
NODE1896X	NODE1637X	NODE1432X	0.93804931640625
NODE1897X	GENE2656X	NODE1568X	0.93792724609375
NODE1898X	NODE1696X	GENE2153X	0.9378662109375
NODE1899X	NODE1684X	NODE1453X	0.937744140625
NODE1900X	GENE1948X	NODE1458X	0.937744140625
NODE1901X	NODE1476X	NODE1666X	0.937744140625
NODE1902X	NODE1634X	NODE1478X	0.93768310546875
NODE1903X	NODE1559X	NODE1390X	0.9376220703125
NODE1904X	NODE832X	NODE1284X	0.93743896484375
NODE1905X	NODE1333X	NODE1172X	0.93743896484375
NODE1906X	GENE2605X	GENE2276X	0.9371337890625
NODE1907X	GENE72X	GENE628X	0.93695068359375
NODE1908X	NODE1488X	NODE1500X	0.93682861328125
NODE1909X	GENE1171X	GENE774X	0.93646240234375
NODE1910X	NODE1218X	NODE1665X	0.93646240234375
NODE1911X	GENE1431X	NODE1293X	0.936279296875
NODE1912X	NODE1815X	NODE1528X	0.9361572265625
NODE1913X	GENE2576X	NODE1164X	0.93585205078125
NODE1914X	NODE1702X	GENE1281X	0.935791015625
NODE1915X	NODE1658X	NODE1513X	0.935791015625
NODE1916X	NODE1674X	GENE1377X	0.935546875
NODE1917X	NODE1612X	NODE1358X	0.935546875
NODE1918X	NODE854X	NODE1052X	0.93548583984375
NODE1919X	GENE2046X	NODE1364X	0.9351806640625
NODE1920X	NODE1842X	NODE1805X	0.9351806640625
NODE1921X	NODE1133X	NODE1687X	0.93499755859375
NODE1922X	NODE1387X	NODE1016X	0.93475341796875
NODE1923X	NODE1727X	NODE1645X	0.9346923828125
NODE1924X	GENE166X	NODE1361X	0.93463134765625
NODE1925X	GENE591X	GENE824X	0.93463134765625
NODE1926X	GENE88X	GENE799X	0.9342041015625
NODE1927X	NODE1400X	GENE273X	0.93408203125
NODE1928X	GENE1705X	NODE1224X	0.93402099609375
NODE1929X	GENE731X	NODE1829X	0.93402099609375
NODE1930X	NODE1697X	NODE1066X	0.93389892578125
NODE1931X	NODE1616X	NODE1759X	0.933837890625
NODE1932X	NODE1420X	NODE1435X	0.93365478515625
NODE1933X	NODE1745X	NODE1464X	0.93365478515625
NODE1934X	GENE727X	NODE1870X	0.93359375
NODE1935X	NODE1142X	GENE1351X	0.93353271484375
NODE1936X	GENE432X	NODE1450X	0.93341064453125
NODE1937X	NODE1496X	NODE1403X	0.93341064453125
NODE1938X	NODE949X	NODE1302X	0.933349609375

NODE1939X	NODE1833X	NODE1891X	0.93328857421875
NODE1940X	NODE1228X	NODE1355X	0.93304443359375
NODE1941X	NODE1614X	NODE1591X	0.93304443359375
NODE1942X	GENE200X	NODE1441X	0.9329833984375
NODE1943X	NODE1748X	NODE1773X	0.93292236328125
NODE1944X	NODE1196X	NODE1190X	0.932861328125
NODE1945X	NODE1699X	NODE1797X	0.9327392578125
NODE1946X	NODE1757X	NODE1311X	0.9327392578125
NODE1947X	GENE1425X	NODE1459X	0.93231201171875
NODE1948X	GENE1336X	NODE1399X	0.9322509765625
NODE1949X	NODE1680X	NODE1340X	0.93206787109375
NODE1950X	NODE1484X	NODE1723X	0.93170166015625
NODE1951X	NODE1529X	NODE1660X	0.93170166015625
NODE1952X	NODE1672X	NODE306X	0.931640625
NODE1953X	GENE296X	GENE1608X	0.93133544921875
NODE1954X	NODE1558X	NODE1586X	0.9312744140625
NODE1955X	GENE894X	GENE2192X	0.93115234375
NODE1956X	NODE1694X	GENE1656X	0.930908203125
NODE1957X	GENE510X	GENE1922X	0.9307861328125
NODE1958X	NODE1439X	NODE1701X	0.9307861328125
NODE1959X	NODE1679X	NODE1570X	0.9306640625
NODE1960X	GENE1603X	NODE1004X	0.9305419921875
NODE1961X	GENE1263X	GENE1992X	0.9302978515625
NODE1962X	NODE1683X	NODE1215X	0.93017578125
NODE1963X	NODE1565X	NODE1735X	0.9300537109375
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NODE1965X	NODE1651X	NODE1892X	0.92999267578125
NODE1966X	NODE1523X	NODE1297X	0.929931640625
NODE1967X	NODE1347X	NODE1630X	0.92974853515625
NODE1968X	NODE1181X	NODE1485X	0.9296875
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NODE1970X	NODE1193X	NODE1746X	0.92950439453125
NODE1971X	NODE1867X	NODE1515X	0.929443359375
NODE1972X	NODE1822X	GENE431X	0.92926025390625
NODE1973X	GENE2351X	GENE1078X	0.92926025390625
NODE1974X	NODE501X	GENE80X	0.928955078125
NODE1975X	NODE1548X	GENE725X	0.928955078125
NODE1976X	GENE2496X	NODE1869X	0.9288330078125
NODE1977X	GENE2053X	GENE1234X	0.92877197265625
NODE1978X	NODE962X	GENE1404X	0.9287109375
NODE1979X	GENE1914X	NODE1886X	0.9287109375
NODE1980X	NODE1413X	GENE722X	0.92864990234375
NODE1981X	NODE1632X	GENE1770X	0.92864990234375
NODE1982X	GENE2103X	GENE2301X	0.92864990234375
NODE1983X	NODE1777X	NODE1531X	0.92828369140625
NODE1984X	GENE2195X	GENE470X	0.92822265625
NODE1985X	NODE1691X	NODE1615X	0.92816162109375
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NODE1987X	NODE1806X	NODE1825X	0.92803955078125
NODE1988X	GENE2399X	GENE2672X	0.927978515625
NODE1989X	NODE1362X	NODE1755X	0.9278564453125
NODE1990X	NODE1240X	NODE1179X	0.92767333984375
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NODE1993X	NODE1527X	NODE1512X	0.927490234375
NODE1994X	NODE1431X	GENE150X	0.92730712890625
NODE1995X	NODE1421X	NODE692X	0.92730712890625

NODE1996X	NODE1433X	NODE1944X	0.92724609375
NODE1997X	NODE1494X	NODE1411X	0.9271240234375
NODE1998X	NODE1540X	NODE1801X	0.92706298828125
NODE1999X	NODE1409X	NODE1456X	0.92694091796875
NODE2000X	NODE460X	GENE692X	0.92681884765625
NODE2001X	NODE1560X	NODE1642X	0.9266357421875
NODE2002X	NODE1765X	GENE102X	0.92633056640625
NODE2003X	NODE1563X	NODE687X	0.92620849609375
NODE2004X	NODE1778X	NODE1378X	0.92608642578125
NODE2005X	GENE1936X	GENE338X	0.926025390625
NODE2006X	NODE1721X	NODE1814X	0.9259033203125
NODE2007X	GENE2021X	GENE267X	0.92584228515625
NODE2008X	NODE1498X	NODE1207X	0.92578125
NODE2009X	NODE1704X	NODE1474X	0.92578125
NODE2010X	NODE1497X	NODE1408X	0.925537109375
NODE2011X	GENE576X	GENE1510X	0.92547607421875
NODE2012X	NODE1505X	NODE1718X	0.92547607421875
NODE2013X	NODE1549X	NODE1465X	0.9254150390625
NODE2014X	NODE1469X	GENE773X	0.92523193359375
NODE2015X	NODE1608X	NODE1211X	0.925048828125
NODE2016X	NODE1581X	NODE1230X	0.925048828125
NODE2017X	NODE1391X	NODE1729X	0.925048828125
NODE2018X	GENE749X	NODE1676X	0.92462158203125
NODE2019X	GENE2451X	NODE1810X	0.92437744140625
NODE2020X	NODE1916X	NODE966X	0.92425537109375
NODE2021X	NODE1506X	NODE1611X	0.923828125
NODE2022X	NODE1567X	NODE1708X	0.92376708984375
NODE2023X	NODE1410X	NODE1159X	0.923583984375
NODE2024X	GENE2482X	NODE1668X	0.92333984375
NODE2025X	NODE1594X	NODE1619X	0.9229736328125
NODE2026X	GENE2560X	NODE347X	0.92266845703125
NODE2027X	NODE1772X	NODE1088X	0.92266845703125
NODE2028X	NODE1818X	NODE1596X	0.92266845703125
NODE2029X	NODE1733X	NODE1569X	0.92254638671875
NODE2030X	NODE1631X	GENE1911X	0.92242431640625
NODE2031X	GENE1612X	NODE1354X	0.92236328125
NODE2032X	NODE1692X	NODE1855X	0.92218017578125
NODE2033X	NODE1751X	NODE1885X	0.92205810546875
NODE2034X	NODE1312X	NODE1840X	0.921630859375
NODE2035X	GENE1940X	NODE1618X	0.92144775390625
NODE2036X	NODE1454X	GENE1912X	0.92138671875
NODE2037X	GENE1237X	NODE1700X	0.9212646484375
NODE2038X	GENE1195X	NODE734X	0.92120361328125
NODE2039X	GENE481X	NODE1695X	0.921142578125
NODE2040X	NODE1790X	GENE1909X	0.92108154296875
NODE2041X	GENE1017X	GENE545X	0.92095947265625
NODE2042X	NODE1620X	NODE1481X	0.92095947265625
NODE2043X	GENE1290X	NODE1817X	0.9207763671875
NODE2044X	NODE1859X	GENE2444X	0.92071533203125
NODE2045X	NODE1879X	NODE1641X	0.920654296875
NODE2046X	NODE1442X	NODE1578X	0.92059326171875
NODE2047X	GENE1322X	NODE1643X	0.92041015625
NODE2048X	NODE1845X	NODE1804X	0.92022705078125
NODE2049X	NODE1457X	NODE1455X	0.91986083984375
NODE2050X	NODE1807X	NODE1764X	0.91986083984375
NODE2051X	GENE2387X	GENE1930X	0.91973876953125
NODE2052X	NODE1664X	NODE1864X	0.91943359375

NODE2053X	NODE1146X	NODE920X	0.9190673828125
NODE2054X	NODE1732X	NODE979X	0.91900634765625
NODE2055X	NODE1542X	NODE1898X	0.91888427734375
NODE2056X	GENE2007X	GENE842X	0.91864013671875
NODE2057X	GENE199X	NODE1955X	0.91845703125
NODE2058X	NODE1774X	NODE1766X	0.9183349609375
NODE2059X	GENE291X	NODE1487X	0.91827392578125
NODE2060X	NODE1575X	GENE1456X	0.91827392578125
NODE2061X	GENE2555X	GENE625X	0.918212890625
NODE2062X	GENE1607X	GENE1720X	0.91815185546875
NODE2063X	NODE1555X	NODE1832X	0.91790771484375
NODE2064X	NODE1856X	NODE1839X	0.9178466796875
NODE2065X	GENE141X	NODE1850X	0.9176025390625
NODE2066X	NODE1415X	NODE1398X	0.917236328125
NODE2067X	GENE1858X	GENE1915X	0.9169921875
NODE2068X	NODE1793X	NODE1509X	0.91693115234375
NODE2069X	NODE1783X	NODE1851X	0.91693115234375
NODE2070X	NODE1345X	GENE1900X	0.91680908203125
NODE2071X	NODE1738X	NODE1703X	0.916748046875
NODE2072X	NODE1965X	NODE1675X	0.91656494140625
NODE2073X	GENE2469X	NODE1982X	0.91632080078125
NODE2074X	NODE1574X	NODE1803X	0.9161376953125
NODE2075X	NODE1599X	NODE1781X	0.9158935546875
NODE2076X	NODE1799X	NODE1889X	0.91571044921875
NODE2077X	NODE1491X	NODE1544X	0.9156494140625
NODE2078X	NODE1366X	NODE1627X	0.9151611328125
NODE2079X	NODE1689X	NODE902X	0.91497802734375
NODE2080X	NODE1770X	NODE1750X	0.91473388671875
NODE2081X	NODE1760X	NODE1712X	0.9146728515625
NODE2082X	NODE1621X	NODE1971X	0.91461181640625
NODE2083X	NODE1706X	NODE1553X	0.91436767578125
NODE2084X	NODE1787X	NODE1655X	0.91436767578125
NODE2085X	NODE1882X	NODE1873X	0.91387939453125
NODE2086X	NODE1595X	NODE1767X	0.913818359375
NODE2087X	GENE756X	GENE597X	0.91375732421875
NODE2088X	GENE1870X	NODE2011X	0.91363525390625
NODE2089X	NODE1836X	NODE1534X	0.913330078125
NODE2090X	NODE2056X	GENE279X	0.913330078125
NODE2091X	NODE1942X	GENE59X	0.91314697265625
NODE2092X	NODE1975X	GENE329X	0.9130859375
NODE2093X	GENE111X	NODE1084X	0.912841796875
NODE2094X	GENE256X	GENE1415X	0.91265869140625
NODE2095X	NODE1659X	NODE1786X	0.91253662109375
NODE2096X	NODE1901X	NODE1266X	0.91241455078125
NODE2097X	GENE1865X	NODE1461X	0.912353515625
NODE2098X	NODE1106X	NODE2021X	0.912109375
NODE2099X	NODE1860X	NODE1685X	0.91192626953125
NODE2100X	NODE1852X	GENE1797X	0.9117431640625
NODE2101X	NODE1756X	NODE2016X	0.91168212890625
NODE2102X	NODE2006X	NODE1904X	0.91162109375
NODE2103X	GENE660X	GENE1429X	0.91156005859375
NODE2104X	NODE1915X	NODE1671X	0.9114990234375
NODE2105X	GENE1710X	NODE1890X	0.91143798828125
NODE2106X	NODE2012X	NODE1572X	0.91107177734375
NODE2107X	GENE1664X	NODE1779X	0.9110107421875
NODE2108X	GENE105X	GENE2420X	0.91094970703125
NODE2109X	GENE2374X	NODE2000X	0.91094970703125

NODE2110X	GENE2534X	NODE1877X	0.91082763671875
NODE2111X	NODE1291X	NODE1541X	0.91082763671875
NODE2112X	GENE1332X	GENE1775X	0.9107666015625
NODE2113X	NODE1516X	NODE1629X	0.9107666015625
NODE2114X	GENE2625X	NODE1278X	0.91064453125
NODE2115X	GENE42X	GENE787X	0.91046142578125
NODE2116X	GENE2130X	GENE1109X	0.910400390625
NODE2117X	GENE2088X	GENE43X	0.91033935546875
NODE2118X	GENE946X	GENE1370X	0.9102783203125
NODE2119X	NODE1719X	NODE1705X	0.909912109375
NODE2120X	NODE1597X	NODE1763X	0.90985107421875
NODE2121X	NODE1725X	NODE1688X	0.90985107421875
NODE2122X	NODE2086X	NODE1714X	0.90972900390625
NODE2123X	GENE1463X	NODE1858X	0.9090576171875
NODE2124X	NODE1598X	GENE1913X	0.90899658203125
NODE2125X	NODE1841X	NODE2074X	0.908935546875
NODE2126X	GENE1505X	NODE1854X	0.908203125
NODE2127X	NODE2076X	NODE1532X	0.90814208984375
NODE2128X	NODE1835X	NODE1883X	0.90802001953125
NODE2129X	GENE1362X	GENE326X	0.90777587890625
NODE2130X	NODE1967X	NODE1649X	0.9075927734375
NODE2131X	NODE1775X	NODE1987X	0.9071044921875
NODE2132X	NODE1331X	GENE1112X	0.906982421875
NODE2133X	NODE1958X	NODE1640X	0.90692138671875
NODE2134X	NODE1853X	NODE1963X	0.90673828125
NODE2135X	NODE1769X	GENE1033X	0.9066162109375
NODE2136X	NODE1923X	NODE1636X	0.90655517578125
NODE2137X	NODE1370X	NODE1654X	0.90618896484375
NODE2138X	NODE1912X	GENE2358X	0.90606689453125
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NODE2140X	GENE275X	GENE915X	0.9052734375
NODE2141X	GENE1614X	GENE645X	0.9049072265625
NODE2142X	GENE1248X	GENE2488X	0.90484619140625
NODE2143X	NODE1584X	NODE1857X	0.90472412109375
NODE2144X	NODE2048X	NODE1959X	0.90460205078125
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NODE2146X	NODE1406X	GENE2633X	0.90447998046875
NODE2147X	GENE2056X	NODE1579X	0.90411376953125
NODE2148X	NODE2040X	GENE1755X	0.9039306640625
NODE2149X	NODE1908X	GENE1265X	0.90386962890625
NODE2150X	NODE1809X	NODE1321X	0.90374755859375
NODE2151X	NODE1319X	NODE1922X	0.9034423828125
NODE2152X	NODE1788X	GENE2461X	0.90325927734375
NODE2153X	GENE1308X	GENE2465X	0.90283203125
NODE2154X	GENE1382X	NODE1588X	0.90277099609375
NODE2155X	NODE2115X	GENE1089X	0.902587890625
NODE2156X	GENE1637X	GENE2027X	0.902099609375
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NODE2159X	NODE2136X	NODE1827X	0.9013671875
NODE2160X	NODE1753X	NODE1843X	0.9010009765625
NODE2161X	GENE2199X	GENE2359X	0.90093994140625
NODE2162X	NODE1899X	NODE1647X	0.900634765625
NODE2163X	NODE1834X	NODE1951X	0.900634765625
NODE2164X	GENE1402X	NODE1448X	0.90057373046875
NODE2165X	NODE1518X	NODE2020X	0.90045166015625
NODE2166X	NODE1838X	NODE2084X	0.9002685546875

NODE2167X	NODE1888X	NODE1324X	0.8995361328125
NODE2168X	NODE1726X	NODE1014X	0.89892578125
NODE2169X	NODE1609X	NODE1924X	0.8988037109375
NODE2170X	NODE1985X	NODE1910X	0.898681640625
NODE2171X	NODE1990X	NODE1933X	0.89825439453125
NODE2172X	GENE5X	GENE1458X	0.8980712890625
NODE2173X	NODE1940X	NODE1605X	0.89801025390625
NODE2174X	NODE1754X	NODE2032X	0.8978271484375
NODE2175X	NODE1744X	NODE1607X	0.89776611328125
NODE2176X	NODE1477X	GENE1467X	0.89764404296875
NODE2177X	NODE1730X	NODE2080X	0.89764404296875
NODE2178X	NODE1868X	NODE1638X	0.89727783203125
NODE2179X	NODE1849X	NODE2163X	0.89727783203125
NODE2180X	GENE973X	GENE501X	0.897216796875
NODE2181X	NODE2083X	NODE2077X	0.89691162109375
NODE2182X	NODE1837X	GENE1790X	0.8968505859375
NODE2183X	NODE1952X	NODE1973X	0.89617919921875
NODE2184X	NODE1761X	NODE1784X	0.89599609375
NODE2185X	GENE232X	NODE1379X	0.89593505859375
NODE2186X	GENE790X	GENE1487X	0.8958740234375
NODE2187X	NODE1943X	NODE2089X	0.89581298828125
NODE2188X	GENE2623X	NODE1537X	0.895751953125
NODE2189X	NODE1740X	NODE1717X	0.89569091796875
NODE2190X	GENE1324X	NODE1606X	0.8956298828125
NODE2191X	GENE1509X	NODE1906X	0.89556884765625
NODE2192X	GENE332X	GENE439X	0.89520263671875
NODE2193X	NODE1993X	NODE2034X	0.89447021484375
NODE2194X	NODE1463X	NODE1820X	0.89404296875
NODE2195X	NODE1932X	NODE1937X	0.8935546875
NODE2196X	NODE1930X	NODE1724X	0.89306640625
NODE2197X	NODE1648X	NODE1562X	0.89300537109375
NODE2198X	NODE1863X	GENE40X	0.89178466796875
NODE2199X	GENE2129X	GENE2602X	0.89141845703125
NODE2200X	GENE779X	GENE1239X	0.89093017578125
NODE2201X	NODE2071X	NODE1941X	0.8907470703125
NODE2202X	NODE1798X	NODE1677X	0.890625
NODE2203X	NODE1893X	NODE1813X	0.8905029296875
NODE2204X	NODE1698X	NODE1926X	0.890380859375
NODE2205X	NODE2010X	NODE2009X	0.8896484375
NODE2206X	NODE2017X	GENE2269X	0.88934326171875
NODE2207X	GENE1022X	GENE1213X	0.8890380859375
NODE2208X	NODE1995X	GENE699X	0.88848876953125
NODE2209X	NODE1918X	GENE1445X	0.888427734375
NODE2210X	GENE1387X	GENE2151X	0.887939453125
NODE2211X	NODE1826X	NODE2058X	0.8876953125
NODE2212X	NODE1984X	NODE1239X	0.8875732421875
NODE2213X	NODE1917X	NODE1847X	0.88665771484375
NODE2214X	NODE2119X	NODE1434X	0.8865966796875
NODE2215X	GENE1514X	GENE2529X	0.88623046875
NODE2216X	NODE1819X	NODE2003X	0.885986328125
NODE2217X	GENE1159X	GENE2661X	0.8857421875
NODE2218X	GENE663X	GENE1363X	0.88519287109375
NODE2219X	GENE2500X	NODE2140X	0.8851318359375
NODE2220X	NODE1848X	NODE1792X	0.8848876953125
NODE2221X	NODE1653X	NODE1928X	0.88427734375
NODE2222X	NODE1874X	NODE1711X	0.88372802734375
NODE2223X	NODE1981X	NODE1795X	0.8834228515625

NODE2224X	GENE84X	GENE1752X	0.88336181640625
NODE2225X	NODE1686X	GENE2155X	0.88336181640625
NODE2226X	NODE1997X	NODE2179X	0.88336181640625
NODE2227X	NODE1828X	NODE1384X	0.88330078125
NODE2228X	NODE1789X	GENE1860X	0.8831787109375
NODE2229X	GENE2589X	GENE139X	0.88311767578125
NODE2230X	NODE1152X	GENE1854X	0.88214111328125
NODE2231X	GENE1412X	GENE1682X	0.88201904296875
NODE2232X	NODE1902X	NODE2066X	0.88201904296875
NODE2233X	NODE2049X	NODE1713X	0.8818359375
NODE2234X	GENE1735X	NODE1741X	0.88165283203125
NODE2235X	NODE1921X	NODE1969X	0.88165283203125
NODE2236X	NODE1768X	NODE1663X	0.8814697265625
NODE2237X	NODE1903X	NODE1920X	0.88140869140625
NODE2238X	NODE1844X	NODE1811X	0.88128662109375
NODE2239X	NODE1830X	GENE1272X	0.88043212890625
NODE2240X	GENE1732X	GENE582X	0.87969970703125
NODE2241X	NODE1962X	NODE2201X	0.879638671875
NODE2242X	GENE1111X	GENE2443X	0.87921142578125
NODE2243X	NODE1905X	GENE2540X	0.879150390625
NODE2244X	NODE2031X	NODE2023X	0.87908935546875
NODE2245X	NODE1872X	NODE1625X	0.87847900390625
NODE2246X	NODE1935X	NODE2001X	0.8779296875
NODE2247X	GENE1459X	NODE2160X	0.877685546875
NODE2248X	GENE1700X	GENE2626X	0.87762451171875
NODE2249X	NODE2177X	NODE1808X	0.87750244140625
NODE2250X	NODE2111X	GENE1065X	0.87750244140625
NODE2251X	NODE1960X	NODE1737X	0.877197265625
NODE2252X	NODE2044X	NODE1887X	0.8770751953125
NODE2253X	NODE2143X	NODE1986X	0.8770751953125
NODE2254X	NODE1510X	NODE2047X	0.876220703125
NODE2255X	NODE1556X	NODE2157X	0.8756103515625
NODE2256X	NODE1954X	NODE1983X	0.87518310546875
NODE2257X	GENE216X	NODE1791X	0.8751220703125
NODE2258X	NODE2149X	NODE1715X	0.87493896484375
NODE2259X	NODE1939X	NODE2223X	0.87481689453125
NODE2260X	NODE1552X	NODE1749X	0.8743896484375
NODE2261X	GENE2082X	GENE1617X	0.87335205078125
NODE2262X	NODE2145X	NODE2174X	0.87322998046875
NODE2263X	NODE2078X	NODE2190X	0.87310791015625
NODE2264X	NODE2015X	NODE2125X	0.872802734375
NODE2265X	NODE1604X	NODE1866X	0.87237548828125
NODE2266X	NODE2055X	NODE1931X	0.8719482421875
NODE2267X	NODE2030X	GENE241X	0.87152099609375
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NODE2269X	GENE2424X	NODE2039X	0.8709716796875
NODE2270X	NODE1670X	GENE1326X	0.87091064453125
NODE2271X	NODE2175X	NODE1968X	0.87078857421875
NODE2272X	GENE1679X	GENE669X	0.86956787109375
NODE2273X	NODE2167X	NODE1949X	0.86944580078125
NODE2274X	NODE2093X	NODE2028X	0.8690185546875
NODE2275X	NODE1938X	NODE2202X	0.86883544921875
NODE2276X	NODE2181X	NODE1263X	0.8685302734375
NODE2277X	NODE2019X	NODE2022X	0.868408203125
NODE2278X	NODE2235X	NODE2130X	0.86822509765625
NODE2279X	NODE2096X	NODE1989X	0.86810302734375
NODE2280X	NODE2060X	NODE1914X	0.86798095703125

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NODE2282X	NODE1722X	NODE2036X	0.8673095703125
NODE2283X	NODE1913X	NODE1862X	0.86663818359375
NODE2284X	NODE2008X	GENE1995X	0.865966796875
NODE2285X	NODE2082X	NODE2169X	0.86541748046875
NODE2286X	GENE1094X	NODE2103X	0.865234375
NODE2287X	GENE641X	NODE1566X	0.8651123046875
NODE2288X	GENE185X	NODE1437X	0.86492919921875
NODE2289X	GENE114X	GENE2638X	0.8648681640625
NODE2290X	NODE2092X	NODE1652X	0.86444091796875
NODE2291X	GENE687X	NODE1900X	0.86322021484375
NODE2292X	NODE2046X	NODE2121X	0.86322021484375
NODE2293X	NODE1972X	NODE1936X	0.86212158203125
NODE2294X	NODE2063X	NODE1991X	0.86199951171875
NODE2295X	NODE2134X	NODE2277X	0.86199951171875
NODE2296X	GENE125X	GENE2611X	0.861328125
NODE2297X	GENE2065X	NODE1865X	0.86029052734375
NODE2298X	NODE2059X	NODE2238X	0.86029052734375
NODE2299X	GENE1442X	GENE2463X	0.86004638671875
NODE2300X	GENE1243X	NODE1728X	0.86004638671875
NODE2301X	NODE2137X	NODE2232X	0.859619140625
NODE2302X	NODE2053X	NODE1956X	0.85955810546875
NODE2303X	NODE2042X	NODE1895X	0.85931396484375
NODE2304X	GENE1734X	NODE2198X	0.8592529296875
NODE2305X	GENE1449X	NODE2094X	0.859130859375
NODE2306X	NODE1978X	GENE1880X	0.85906982421875
NODE2307X	NODE1875X	NODE2227X	0.85882568359375
NODE2308X	NODE2178X	NODE2033X	0.85870361328125
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NODE2310X	NODE1950X	NODE2104X	0.858642578125
NODE2311X	NODE1776X	NODE1821X	0.85821533203125
NODE2312X	GENE209X	NODE1927X	0.8577880859375
NODE2313X	NODE1871X	GENE1229X	0.8572998046875
NODE2314X	NODE2170X	NODE2171X	0.85723876953125
NODE2315X	GENE862X	GENE1061X	0.8570556640625
NODE2316X	NODE2153X	NODE1884X	0.8570556640625
NODE2317X	NODE2123X	GENE1266X	0.856689453125
NODE2318X	NODE1308X	NODE1948X	0.85638427734375
NODE2319X	NODE2081X	NODE2187X	0.85546875
NODE2320X	NODE1633X	NODE1947X	0.8548583984375
NODE2321X	NODE1743X	NODE2128X	0.8531494140625
NODE2322X	NODE1587X	NODE1894X	0.85308837890625
NODE2323X	NODE2243X	NODE2013X	0.8525390625
NODE2324X	GENE1793X	GENE708X	0.8521728515625
NODE2325X	GENE299X	GENE804X	0.8492431640625
NODE2326X	GENE914X	NODE1573X	0.84912109375
NODE2327X	GENE2023X	NODE2069X	0.84893798828125
NODE2328X	NODE2209X	NODE2237X	0.84869384765625
NODE2329X	NODE1131X	NODE2038X	0.848388671875
NODE2330X	NODE2162X	NODE2131X	0.848388671875
NODE2331X	NODE2188X	GENE1899X	0.84832763671875
NODE2332X	NODE1816X	NODE1977X	0.8482666015625
NODE2333X	NODE2205X	NODE2319X	0.84820556640625
NODE2334X	NODE1831X	NODE2108X	0.84808349609375
NODE2335X	GENE1960X	NODE2035X	0.847412109375
NODE2336X	NODE1996X	NODE2037X	0.846923828125
NODE2337X	NODE2148X	GENE26X	0.84619140625

NODE2338X	NODE2199X	GENE770X	0.84619140625
NODE2339X	NODE2184X	GENE849X	0.84552001953125
NODE2340X	NODE2129X	GENE1760X	0.84527587890625
NODE2341X	NODE1639X	NODE2075X	0.84515380859375
NODE2342X	GENE622X	NODE2065X	0.84478759765625
NODE2343X	NODE1966X	NODE2027X	0.8447265625
NODE2344X	NODE2211X	NODE2029X	0.844482421875
NODE2345X	NODE1946X	NODE1919X	0.84295654296875
NODE2346X	NODE2282X	NODE1710X	0.84246826171875
NODE2347X	NODE1794X	NODE2139X	0.842041015625
NODE2348X	NODE1812X	NODE2067X	0.84051513671875
NODE2349X	GENE399X	NODE1925X	0.84014892578125
NODE2350X	NODE2266X	NODE2257X	0.8394775390625
NODE2351X	NODE2343X	NODE2061X	0.83917236328125
NODE2352X	NODE2146X	NODE1650X	0.838623046875
NODE2353X	GENE996X	GENE1488X	0.83740234375
NODE2354X	NODE1736X	NODE2026X	0.83636474609375
NODE2355X	NODE2120X	NODE1709X	0.83624267578125
NODE2356X	NODE1909X	NODE1564X	0.83624267578125
NODE2357X	NODE1402X	GENE402X	0.8348388671875
NODE2358X	NODE2004X	NODE2208X	0.83447265625
NODE2359X	NODE2206X	NODE1617X	0.8341064453125
NODE2360X	NODE2141X	NODE2212X	0.83270263671875
NODE2361X	NODE2165X	NODE1998X	0.8323974609375
NODE2362X	NODE2126X	NODE2295X	0.83221435546875
NODE2363X	NODE1974X	NODE2014X	0.83172607421875
NODE2364X	NODE2151X	NODE1661X	0.8316650390625
NODE2365X	NODE2303X	NODE2107X	0.83160400390625
NODE2366X	NODE2105X	NODE2024X	0.83123779296875
NODE2367X	NODE2122X	NODE2133X	0.8306884765625
NODE2368X	NODE1690X	NODE2268X	0.83056640625
NODE2369X	NODE2091X	NODE1557X	0.830078125
NODE2370X	GENE2650X	NODE1979X	0.82989501953125
NODE2371X	NODE2132X	NODE2110X	0.82952880859375
NODE2372X	GENE1984X	GENE1205X	0.8294677734375
NODE2373X	NODE1876X	NODE1878X	0.8287353515625
NODE2374X	GENE118X	NODE2267X	0.8284912109375
NODE2375X	NODE1602X	NODE1592X	0.82794189453125
NODE2376X	NODE2330X	NODE2072X	0.827880859375
NODE2377X	NODE2273X	NODE2095X	0.8270263671875
NODE2378X	NODE2147X	NODE1626X	0.82525634765625
NODE2379X	NODE1782X	NODE2191X	0.8251953125
NODE2380X	GENE2120X	NODE1957X	0.8250732421875
NODE2381X	NODE2281X	NODE2127X	0.8243408203125
NODE2382X	NODE2262X	NODE1731X	0.8240966796875
NODE2383X	NODE2193X	NODE2333X	0.8233642578125
NODE2384X	NODE2285X	NODE1907X	0.82330322265625
NODE2385X	NODE2164X	NODE2264X	0.82318115234375
NODE2386X	NODE2290X	NODE2168X	0.8223876953125
NODE2387X	NODE2050X	NODE2002X	0.8218994140625
NODE2388X	NODE1800X	NODE1538X	0.82135009765625
NODE2389X	GENE1142X	NODE1999X	0.8211669921875
NODE2390X	NODE1970X	NODE2113X	0.82061767578125
NODE2391X	NODE2118X	GENE2011X	0.82037353515625
NODE2392X	NODE2247X	NODE1861X	0.82037353515625
NODE2393X	NODE2099X	NODE2298X	0.81890869140625
NODE2394X	NODE2233X	NODE1480X	0.81878662109375

NODE2395X	NODE2070X	NODE2114X	0.81866455078125
NODE2396X	NODE2341X	NODE1976X	0.8184814453125
NODE2397X	NODE2259X	NODE2196X	0.81793212890625
NODE2398X	GENE146X	GENE623X	0.8172607421875
NODE2399X	NODE2258X	NODE2085X	0.8172607421875
NODE2400X	NODE2231X	NODE2054X	0.81695556640625
NODE2401X	NODE2249X	NODE2068X	0.81695556640625
NODE2402X	NODE2210X	NODE1624X	0.81561279296875
NODE2403X	GENE1532X	NODE2200X	0.81536865234375
NODE2404X	NODE2279X	NODE2241X	0.81536865234375
NODE2405X	NODE2005X	NODE2051X	0.8145751953125
NODE2406X	NODE2079X	NODE2152X	0.8145751953125
NODE2407X	NODE1953X	NODE2291X	0.81353759765625
NODE2408X	NODE2294X	NODE2064X	0.81353759765625
NODE2409X	NODE2393X	NODE2025X	0.813232421875
NODE2410X	NODE1994X	NODE2337X	0.8123779296875
NODE2411X	GENE2282X	NODE1283X	0.81121826171875
NODE2412X	GENE833X	GENE234X	0.8111572265625
NODE2413X	NODE2252X	NODE2256X	0.81103515625
NODE2414X	NODE2263X	GENE1282X	0.8087158203125
NODE2415X	NODE2045X	NODE2226X	0.80859375
NODE2416X	NODE2382X	NODE2253X	0.80780029296875
NODE2417X	GENE638X	NODE2361X	0.8077392578125
NODE2418X	GENE475X	NODE2173X	0.80718994140625
NODE2419X	NODE2311X	NODE1758X	0.80712890625
NODE2420X	GENE2341X	NODE2286X	0.8043212890625
NODE2421X	NODE1934X	NODE2310X	0.80389404296875
NODE2422X	NODE2328X	NODE2101X	0.80352783203125
NODE2423X	GENE1007X	NODE1988X	0.80291748046875
NODE2424X	NODE2270X	NODE2156X	0.80291748046875
NODE2425X	NODE2043X	NODE2052X	0.8026123046875
NODE2426X	GENE1663X	NODE2324X	0.80230712890625
NODE2427X	NODE2073X	NODE1880X	0.80224609375
NODE2428X	NODE1929X	GENE2102X	0.80169677734375
NODE2429X	NODE2348X	NODE2225X	0.80126953125
NODE2430X	NODE2194X	NODE2150X	0.80059814453125
NODE2431X	NODE2269X	NODE2309X	0.800537109375
NODE2432X	NODE2183X	NODE2307X	0.8004150390625
NODE2433X	NODE2102X	NODE2302X	0.7999267578125
NODE2434X	NODE2189X	NODE1961X	0.7998046875
NODE2435X	GENE1302X	GENE1660X	0.79888916015625
NODE2436X	NODE2356X	GENE1772X	0.79852294921875
NODE2437X	NODE2159X	NODE2246X	0.79730224609375
NODE2438X	GENE573X	NODE2342X	0.7969970703125
NODE2439X	NODE1394X	NODE2203X	0.79571533203125
NODE2440X	NODE1911X	NODE2357X	0.795654296875
NODE2441X	NODE2284X	NODE1881X	0.795166015625
NODE2442X	NODE2018X	NODE2217X	0.79510498046875
NODE2443X	NODE2288X	NODE2335X	0.79296875
NODE2444X	NODE2306X	GENE276X	0.79168701171875
NODE2445X	NODE2260X	NODE2172X	0.7913818359375
NODE2446X	NODE2265X	NODE2327X	0.790771484375
NODE2447X	NODE2292X	NODE2314X	0.7896728515625
NODE2448X	NODE2213X	NODE2375X	0.7894287109375
NODE2449X	NODE2176X	NODE1739X	0.7880859375
NODE2450X	NODE2254X	NODE2287X	0.7860107421875
NODE2451X	NODE2142X	NODE2239X	0.7852783203125

NODE2452X	NODE2220X	NODE2305X	0.784423828125
NODE2453X	NODE2222X	NODE2214X	0.783935546875
NODE2454X	NODE2195X	NODE2278X	0.78253173828125
NODE2455X	NODE2379X	NODE2057X	0.78192138671875
NODE2456X	NODE2087X	NODE1126X	0.781494140625
NODE2457X	NODE2345X	NODE2293X	0.78057861328125
NODE2458X	NODE2387X	NODE2430X	0.7791748046875
NODE2459X	GENE682X	NODE2316X	0.77471923828125
NODE2460X	GENE1998X	GENE131X	0.7724609375
NODE2461X	GENE569X	NODE2116X	0.77008056640625
NODE2462X	NODE2350X	NODE2161X	0.76983642578125
NODE2463X	NODE2180X	NODE2313X	0.76947021484375
NODE2464X	NODE1359X	NODE2228X	0.76812744140625
NODE2465X	NODE2365X	NODE2280X	0.76629638671875
NODE2466X	NODE2062X	GENE334X	0.76556396484375
NODE2467X	NODE2366X	NODE2344X	0.76416015625
NODE2468X	NODE2412X	NODE2403X	0.76409912109375
NODE2469X	NODE2355X	NODE2299X	0.7625732421875
NODE2470X	NODE2204X	NODE2090X	0.7620849609375
NODE2471X	NODE2109X	GENE1537X	0.7611083984375
NODE2472X	NODE2354X	NODE2274X	0.76080322265625
NODE2473X	NODE2296X	NODE1657X	0.76043701171875
NODE2474X	GENE893X	NODE2155X	0.7601318359375
NODE2475X	GENE1339X	GENE735X	0.75970458984375
NODE2476X	NODE2098X	NODE2245X	0.75958251953125
NODE2477X	NODE2417X	NODE2283X	0.7584228515625
NODE2478X	NODE2276X	NODE2415X	0.7581787109375
NODE2479X	NODE2229X	NODE1257X	0.75628662109375
NODE2480X	NODE2308X	NODE2385X	0.7550048828125
NODE2481X	NODE2271X	NODE2454X	0.75433349609375
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NODE2483X	NODE2339X	GENE860X	0.75372314453125
NODE2484X	NODE2251X	NODE2406X	0.75201416015625
NODE2485X	NODE2367X	NODE2301X	0.75103759765625
NODE2486X	NODE2216X	NODE2401X	0.75042724609375
NODE2487X	NODE2158X	NODE2297X	0.7503662109375
NODE2488X	NODE2041X	NODE2358X	0.75006103515625
NODE2489X	GENE346X	NODE1371X	0.7493896484375
NODE2490X	GENE449X	NODE1980X	0.7489013671875
NODE2491X	NODE2408X	NODE2359X	0.7471923828125
NODE2492X	NODE2106X	NODE2377X	0.74627685546875
NODE2493X	NODE2376X	NODE2383X	0.74554443359375
NODE2494X	NODE2397X	NODE2418X	0.74542236328125
NODE2495X	NODE2351X	NODE2347X	0.7431640625
NODE2496X	NODE2236X	GENE511X	0.73919677734375
NODE2497X	NODE2371X	NODE2317X	0.736572265625
NODE2498X	NODE2363X	NODE2446X	0.7337646484375
NODE2499X	NODE2336X	NODE2447X	0.72808837890625
NODE2500X	GENE2610X	NODE2242X	0.7279052734375
NODE2501X	NODE2219X	NODE2244X	0.72747802734375
NODE2502X	NODE1771X	NODE2275X	0.726806640625
NODE2503X	NODE2362X	NODE2384X	0.7255859375
NODE2504X	NODE2250X	NODE2491X	0.7255859375
NODE2505X	GENE1971X	NODE2322X	0.72515869140625
NODE2506X	NODE2439X	NODE1992X	0.7247314453125
NODE2507X	NODE2334X	NODE2240X	0.723876953125
NODE2508X	NODE2391X	NODE2442X	0.72247314453125

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NODE2510X	NODE2451X	NODE2124X	0.71600341796875
NODE2511X	NODE2230X	NODE2488X	0.7152099609375
NODE2512X	NODE2437X	NODE2404X	0.71478271484375
NODE2513X	NODE2399X	NODE2458X	0.71380615234375
NODE2514X	NODE2506X	NODE2112X	0.7127685546875
NODE2515X	NODE2323X	NODE2221X	0.71240234375
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NODE2520X	NODE2154X	NODE2436X	0.70556640625
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NODE2523X	NODE2450X	NODE2493X	0.70269775390625
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NODE2532X	NODE2432X	NODE2424X	0.6884765625
NODE2533X	NODE2224X	NODE2261X	0.68804931640625
NODE2534X	NODE2182X	GENE2400X	0.68768310546875
NODE2535X	NODE2427X	NODE2332X	0.68695068359375
NODE2536X	GENE706X	NODE2405X	0.68255615234375
NODE2537X	NODE2255X	NODE2486X	0.68145751953125
NODE2538X	NODE2462X	NODE2352X	0.67889404296875
NODE2539X	NODE2461X	NODE2452X	0.67724609375
NODE2540X	GENE558X	NODE2326X	0.677001953125
NODE2541X	NODE2117X	NODE2421X	0.6768798828125
NODE2542X	NODE2513X	NODE2364X	0.67547607421875
NODE2543X	NODE2320X	NODE2499X	0.66790771484375
NODE2544X	NODE2433X	NODE2378X	0.66650390625
NODE2545X	GENE1384X	NODE2480X	0.6634521484375
NODE2546X	NODE2248X	GENE333X	0.65582275390625
NODE2547X	NODE2338X	NODE2531X	0.65496826171875
NODE2548X	NODE2477X	NODE2492X	0.65289306640625
NODE2549X	NODE2215X	GENE156X	0.65234375
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NODE2552X	NODE2467X	NODE2509X	0.644287109375
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NODE2554X	NODE2481X	NODE2512X	0.641357421875
NODE2555X	NODE2423X	NODE2501X	0.6395263671875
NODE2556X	NODE2448X	NODE2459X	0.63812255859375
NODE2557X	NODE2484X	NODE2318X	0.6243896484375
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NODE2562X	NODE2443X	NODE2425X	0.6201171875
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NODE2564X	NODE2502X	NODE2541X	0.6185302734375
NODE2565X	NODE2476X	NODE2434X	0.61285400390625

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NODE2567X	NODE2392X	NODE2543X	0.60943603515625
NODE2568X	NODE2428X	NODE2525X	0.606689453125
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NODE2573X	NODE2419X	NODE2471X	0.59197998046875
NODE2574X	NODE2438X	NODE2192X	0.5863037109375
NODE2575X	NODE2440X	NODE2349X	0.5855712890625
NODE2576X	NODE2500X	GENE2101X	0.584716796875
NODE2577X	NODE2485X	NODE2529X	0.5845947265625
NODE2578X	NODE2368X	NODE2545X	0.58123779296875
NODE2579X	GENE951X	GENE729X	0.5804443359375
NODE2580X	NODE2402X	NODE2508X	0.577392578125
NODE2581X	NODE2551X	NODE2523X	0.57574462890625
NODE2582X	NODE2388X	NODE2537X	0.5721435546875
NODE2583X	NODE2479X	NODE2420X	0.57135009765625
NODE2584X	NODE2429X	NODE2511X	0.5673828125
NODE2585X	NODE2526X	NODE2554X	0.56317138671875
NODE2586X	NODE2353X	GENE96X	0.5623779296875
NODE2587X	NODE2409X	NODE2504X	0.560546875
NODE2588X	NODE2463X	NODE2496X	0.55517578125
NODE2589X	NODE2407X	NODE2516X	0.5531005859375
NODE2590X	NODE2497X	NODE2510X	0.54595947265625
NODE2591X	NODE2445X	NODE2521X	0.5399169921875
NODE2592X	NODE2469X	NODE2542X	0.53875732421875
NODE2593X	NODE2457X	NODE2553X	0.53460693359375
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NODE2597X	NODE2565X	NODE2559X	0.51483154296875
NODE2598X	NODE2374X	NODE2571X	0.5032958984375
NODE2599X	NODE2515X	NODE2546X	0.501220703125
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NODE2601X	NODE2544X	NODE2577X	0.49407958984375
NODE2602X	NODE2538X	NODE2561X	0.4827880859375
NODE2603X	NODE2575X	NODE2475X	0.47991943359375
NODE2604X	NODE2564X	GENE1964X	0.479248046875
NODE2605X	NODE2582X	NODE2558X	0.47711181640625
NODE2606X	NODE2234X	NODE2507X	0.46441650390625
NODE2607X	NODE2466X	NODE2218X	0.46246337890625
NODE2608X	NODE2468X	NODE2455X	0.46014404296875
NODE2609X	NODE2527X	NODE2522X	0.451416015625
NODE2610X	NODE2583X	NODE2528X	0.45025634765625
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NODE2613X	NODE2518X	GENE2673X	0.4381103515625
NODE2614X	NODE2557X	NODE2591X	0.437744140625
NODE2615X	NODE2567X	NODE2581X	0.42987060546875
NODE2616X	NODE2547X	NODE2587X	0.42413330078125
NODE2617X	NODE2539X	NODE2517X	0.42254638671875
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NODE2621X	NODE2534X	NODE2519X	0.39019775390625
NODE2622X	NODE2514X	NODE2615X	0.38885498046875

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NODE2624X	NODE2566X	NODE2594X	0.37738037109375
NODE2625X	NODE2540X	NODE2598X	0.376708984375
NODE2626X	NODE2555X	NODE2586X	0.360595703125
NODE2627X	NODE2548X	NODE2596X	0.36029052734375
NODE2628X	NODE2604X	NODE2585X	0.347412109375
NODE2629X	NODE2498X	NODE2601X	0.32757568359375
NODE2630X	NODE2622X	NODE2578X	0.318115234375
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NODE2632X	NODE2623X	NODE2579X	0.3160400390625
NODE2633X	NODE2580X	NODE2550X	0.30645751953125
NODE2634X	NODE2489X	NODE2563X	0.3062744140625
NODE2635X	NODE2625X	NODE2568X	0.3045654296875
NODE2636X	NODE2590X	NODE2606X	0.29412841796875
NODE2637X	NODE2602X	NODE2616X	0.287353515625
NODE2638X	NODE2536X	NODE2619X	0.26751708984375
NODE2639X	NODE2592X	NODE2593X	0.2327880859375
NODE2640X	NODE2637X	NODE2569X	0.2236328125
NODE2641X	NODE2595X	GENE1501X	0.21966552734375
NODE2642X	NODE2597X	NODE2618X	0.2193603515625
NODE2643X	NODE2574X	NODE2621X	0.20513916015625
NODE2644X	NODE2603X	NODE2600X	0.18243408203125
NODE2645X	NODE2613X	NODE2627X	0.1639404296875
NODE2646X	NODE2487X	NODE2641X	0.16314697265625
NODE2647X	NODE2628X	NODE2639X	0.15191650390625
NODE2648X	NODE2572X	NODE2398X	0.14794921875
NODE2649X	NODE2609X	NODE2635X	0.13702392578125
NODE2650X	NODE2610X	NODE2589X	0.1234130859375
NODE2651X	NODE2645X	NODE2605X	0.09375
NODE2652X	NODE2624X	NODE2464X	0.0877685546875
NODE2653X	NODE2642X	NODE2612X	0.06695556640625
NODE2654X	NODE2653X	NODE2611X	-0.04010009765625
NODE2655X	NODE2629X	NODE2626X	-0.0577392578125
NODE2656X	NODE2588X	NODE2636X	-0.07440185546875
NODE2657X	NODE2617X	NODE2614X	-0.0906982421875
NODE2658X	NODE2652X	NODE2630X	-0.10284423828125
NODE2659X	NODE2648X	NODE2631X	-0.12408447265625
NODE2660X	NODE2633X	NODE2650X	-0.12548828125
NODE2661X	NODE2647X	NODE2644X	-0.1834716796875
NODE2662X	NODE2638X	NODE2658X	-0.1927490234375
NODE2663X	NODE2620X	NODE2608X	-0.2757568359375
NODE2664X	NODE2655X	NODE2640X	-0.322021484375
NODE2665X	NODE2657X	NODE2651X	-0.32318115234375
NODE2666X	NODE2632X	NODE2643X	-0.4000244140625
NODE2667X	NODE2634X	NODE2646X	-0.4688720703125
NODE2668X	NODE2656X	NODE2662X	-0.50665283203125
NODE2669X	NODE2661X	NODE2664X	-0.54986572265625
NODE2670X	NODE2660X	NODE2666X	-0.63372802734375
NODE2671X	NODE2663X	NODE2668X	-0.66546630859375
NODE2672X	NODE2654X	NODE2669X	-0.7342529296875
NODE2673X	NODE2649X	NODE2665X	-0.78765869140625
NODE2674X	NODE2672X	NODE2659X	-0.8460693359375
NODE2675X	NODE2667X	NODE2673X	-0.868896484375
NODE2676X	NODE2670X	NODE2671X	-0.92498779296875
NODE2677X	NODE2675X	NODE2676X	-0.986328125
NODE2678X	NODE2674X	NODE2677X	-0.9991455078125