**Supplementary Table 4**. **MEM analysis of all query datasets obtains 300 KIAA0101 co-expressed gene.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| #Score | #Gene name | #probeset id | #Gene description |  |  |  |
| 8.10E-180 | RRM2 | 209773\_s\_at | ribonucleotide reductase M2 [Source:HGNC Symbol;Acc:HGNC:10452] |
| 3.24E-165 | RRM2 | 201890\_at | ribonucleotide reductase M2 [Source:HGNC Symbol;Acc:HGNC:10452] |
| 3.32E-148 | CDK1 | 203213\_at | cyclin-dependent kinase 1 [Source:HGNC Symbol;Acc:HGNC:1722] |
| 1.36E-143 | ZWINT | 204026\_s\_at | ZW10 interacting kinetochore protein [Source:HGNC Symbol;Acc:HGNC:13195] |
| 3.68E-143 | TYMS | 202589\_at | thymidylate synthetase [Source:HGNC Symbol;Acc:HGNC:12441] |
| 1.94E-142 | CCNB2 | 202705\_at | cyclin B2 [Source:HGNC Symbol;Acc:HGNC:1580] |
| 3.41E-142 | TOP2A | 201292\_at | topoisomerase (DNA) II alpha 170kDa [Source:HGNC Symbol;Acc:HGNC:11989] |
| 6.65E-135 | PRR11 | 228273\_at | proline rich 11 [Source:HGNC Symbol;Acc:HGNC:25619] |
| 1.47E-134 | CDK1 | 210559\_s\_at | cyclin-dependent kinase 1 [Source:HGNC Symbol;Acc:HGNC:1722] |
| 1.68E-134 | ASPM | 219918\_s\_at | asp (abnormal spindle) homolog, microcephaly associated (Drosophila) [Source:HGNC Symbol;Acc:HGNC:19048] |
| 1.27E-133 | PRC1 | 218009\_s\_at | protein regulator of cytokinesis 1 [Source:HGNC Symbol;Acc:HGNC:9341] |
| 4.23E-132 | TOP2A | 201291\_s\_at | topoisomerase (DNA) II alpha 170kDa [Source:HGNC Symbol;Acc:HGNC:11989] |
| 4.07E-130 | NUSAP1 | 218039\_at | nucleolar and spindle associated protein 1 [Source:HGNC Symbol;Acc:HGNC:18538] |
| 1.43E-128 | DLGAP5 | 203764\_at | discs, large (Drosophila) homolog-associated protein 5 [Source:HGNC Symbol;Acc:HGNC:16864] |
| 4.92E-128 | CENPU | 218883\_s\_at | centromere protein U [Source:HGNC Symbol;Acc:HGNC:21348] |
| 8.86E-128 | DTL | 218585\_s\_at | denticleless E3 ubiquitin protein ligase homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:30288] |
| 1.41E-127 | PBK | 219148\_at | PDZ binding kinase [Source:HGNC Symbol;Acc:HGNC:18282] |
| 2.29E-125 | BUB1B | 203755\_at | BUB1 mitotic checkpoint serine/threonine kinase B [Source:HGNC Symbol;Acc:HGNC:1149] |
| 1.71E-123 | CDC20 | 202870\_s\_at | cell division cycle 20 [Source:HGNC Symbol;Acc:HGNC:1723] |
| 2.24E-123 | HMMR | 207165\_at | hyaluronan-mediated motility receptor (RHAMM) [Source:HGNC Symbol;Acc:HGNC:5012] |
| 6.21E-123 | MELK | 204825\_at | maternal embryonic leucine zipper kinase [Source:HGNC Symbol;Acc:HGNC:16870] |
| 1.95E-122 | CCNB1 | 214710\_s\_at | cyclin B1 [Source:HGNC Symbol;Acc:HGNC:1579] |
| 5.08E-121 | UHRF1 | 225655\_at | ubiquitin-like with PHD and ring finger domains 1 [Source:HGNC Symbol;Acc:HGNC:12556] |
| 9.38E-120 | TPX2 | 210052\_s\_at | TPX2, microtubule-associated [Source:HGNC Symbol;Acc:HGNC:1249] |
| 2.72E-118 | CDKN3 | 209714\_s\_at | cyclin-dependent kinase inhibitor 3 [Source:HGNC Symbol;Acc:HGNC:1791] |
| 1.08E-117 | CENPF | 207828\_s\_at | centromere protein F, 350/400kDa [Source:HGNC Symbol;Acc:HGNC:1857] |
| 1.64E-116 | CDKN3 | 1555758\_a\_at | cyclin-dependent kinase inhibitor 3 [Source:HGNC Symbol;Acc:HGNC:1791] |
| 9.98E-116 | GINS1 | 206102\_at | GINS complex subunit 1 (Psf1 homolog) [Source:HGNC Symbol;Acc:HGNC:28980] |
| 5.88E-115 | MAD2L1 | 203362\_s\_at | MAD2 mitotic arrest deficient-like 1 (yeast) [Source:HGNC Symbol;Acc:HGNC:6763] |
| 1.46E-114 | BIRC5 | 202095\_s\_at | baculoviral IAP repeat containing 5 [Source:HGNC Symbol;Acc:HGNC:593] |
| 2.63E-112 | KIF2C | 209408\_at | kinesin family member 2C [Source:HGNC Symbol;Acc:HGNC:6393] |
| 4.87E-112 | CDK1 | 203214\_x\_at | cyclin-dependent kinase 1 [Source:HGNC Symbol;Acc:HGNC:1722] |
| 9.80E-112 | KIF20A | 218755\_at | kinesin family member 20A [Source:HGNC Symbol;Acc:HGNC:9787] |
| 1.68E-111 | KIF11 | 204444\_at | kinesin family member 11 [Source:HGNC Symbol;Acc:HGNC:6388] |
| 5.53E-110 | UBE2C | 202954\_at | ubiquitin-conjugating enzyme E2C [Source:HGNC Symbol;Acc:HGNC:15937] |
| 2.06E-109 | FANCI | 213007\_at | Fanconi anemia, complementation group I [Source:HGNC Symbol;Acc:HGNC:25568] |
| 1.23E-107 | KIF4A | 218355\_at | kinesin family member 4A [Source:HGNC Symbol;Acc:HGNC:13339] |
| 3.73E-107 | CDCA3 | 223307\_at | cell division cycle associated 3 [Source:HGNC Symbol;Acc:HGNC:14624] |
| 4.57E-107 | PTTG1 | 203554\_x\_at | pituitary tumor-transforming 1 [Source:HGNC Symbol;Acc:HGNC:9690] |
| 9.64E-107 | ANLN | 222608\_s\_at | anillin, actin binding protein [Source:HGNC Symbol;Acc:HGNC:14082] |
| 1.84E-106 | CEP55 | 218542\_at | centrosomal protein 55kDa [Source:HGNC Symbol;Acc:HGNC:1161] |
| 6.66E-106 | RAD51AP1 | 204146\_at | RAD51 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:16956] |
| 1.42E-105 | NUF2 | 223381\_at | NUF2, NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:14621] |
| 6.70E-105 | NCAPG | 218663\_at | non-SMC condensin I complex, subunit G [Source:HGNC Symbol;Acc:HGNC:24304] |
| 3.11E-104 | CCNA2 | 213226\_at | cyclin A2 [Source:HGNC Symbol;Acc:HGNC:1578] |
| 1.29E-103 | CENPW | 226936\_at | centromere protein W [Source:HGNC Symbol;Acc:HGNC:21488] |
| 2.08E-103 | TRIP13 | 204033\_at | thyroid hormone receptor interactor 13 [Source:HGNC Symbol;Acc:HGNC:12307] |
| 1.91E-102 | BUB1 | 209642\_at | BUB1 mitotic checkpoint serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:1148] |
| 7.63E-102 | CASC5 | 228323\_at | cancer susceptibility candidate 5 [Source:HGNC Symbol;Acc:HGNC:24054] |
| 1.27E-101 | NCAPG | 218662\_s\_at | non-SMC condensin I complex, subunit G [Source:HGNC Symbol;Acc:HGNC:24304] |
| 1.67E-101 | GINS2 | 221521\_s\_at | GINS complex subunit 2 (Psf2 homolog) [Source:HGNC Symbol;Acc:HGNC:24575] |
| 3.07E-101 | CCNA2 | 203418\_at | cyclin A2 [Source:HGNC Symbol;Acc:HGNC:1578] |
| 5.66E-101 | TTK | 204822\_at | TTK protein kinase [Source:HGNC Symbol;Acc:HGNC:12401] |
| 1.32E-100 | DTL | 222680\_s\_at | denticleless E3 ubiquitin protein ligase homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:30288] |
| 3.81E-100 | SHCBP1 | 219493\_at | SHC SH2-domain binding protein 1 [Source:HGNC Symbol;Acc:HGNC:29547] |
| 4.75E-100 | AURKA | 208079\_s\_at | aurora kinase A [Source:HGNC Symbol;Acc:HGNC:11393] |
| 6.52E-100 | RACGAP1 | 222077\_s\_at | Rac GTPase activating protein 1 [Source:HGNC Symbol;Acc:HGNC:9804] |
| 9.71E-100 | DEPDC1 | 222958\_s\_at | DEP domain containing 1 [Source:HGNC Symbol;Acc:HGNC:22949] |
| 2.07E-98 | MKI67 | 212022\_s\_at | marker of proliferation Ki-67 [Source:HGNC Symbol;Acc:HGNC:7107] |
| 6.63E-98 | KIF18B | 222039\_at | kinesin family member 18B [Source:HGNC Symbol;Acc:HGNC:27102] |
| 1.46E-97 | NDC80 | 204162\_at | NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16909] |
| 3.46E-97 | MCM4 | 222036\_s\_at | minichromosome maintenance complex component 4 [Source:HGNC Symbol;Acc:HGNC:6947] |
| 1.98E-96 | FANCI | 213008\_at | Fanconi anemia, complementation group I [Source:HGNC Symbol;Acc:HGNC:25568] |
| 3.22E-96 | CDCA5 | 224753\_at | cell division cycle associated 5 [Source:HGNC Symbol;Acc:HGNC:14626] |
| 9.34E-96 | FOXM1 | 202580\_x\_at | forkhead box M1 [Source:HGNC Symbol;Acc:HGNC:3818] |
| 1.83E-95 | CENPA | 204962\_s\_at | centromere protein A [Source:HGNC Symbol;Acc:HGNC:1851] |
| 7.37E-95 | KIF15 | 219306\_at | kinesin family member 15 [Source:HGNC Symbol;Acc:HGNC:17273] |
| 1.82E-94 | NEK2 | 204641\_at | NIMA-related kinase 2 [Source:HGNC Symbol;Acc:HGNC:7745] |
| 1.79E-93 | NCAPG2 | 219588\_s\_at | non-SMC condensin II complex, subunit G2 [Source:HGNC Symbol;Acc:HGNC:21904] |
| 3.73E-93 | NUSAP1 | 219978\_s\_at | nucleolar and spindle associated protein 1 [Source:HGNC Symbol;Acc:HGNC:18538] |
| 5.48E-93 | TYMS | 1554696\_s\_at | thymidylate synthetase [Source:HGNC Symbol;Acc:HGNC:12441] |
| 5.46E-92 | UBE2T | 223229\_at | ubiquitin-conjugating enzyme E2T [Source:HGNC Symbol;Acc:HGNC:25009] |
| 2.74E-91 | HMMR | 209709\_s\_at | hyaluronan-mediated motility receptor (RHAMM) [Source:HGNC Symbol;Acc:HGNC:5012] |
| 2.81E-91 | CDCA8 | 221520\_s\_at | cell division cycle associated 8 [Source:HGNC Symbol;Acc:HGNC:14629] |
| 6.83E-90 | MCM2 | 202107\_s\_at | minichromosome maintenance complex component 2 [Source:HGNC Symbol;Acc:HGNC:6944] |
| 7.66E-90 | MKI67 | 212021\_s\_at | marker of proliferation Ki-67 [Source:HGNC Symbol;Acc:HGNC:7107] |
| 2.58E-89 | AURKA | 204092\_s\_at | aurora kinase A [Source:HGNC Symbol;Acc:HGNC:11393] |
| 4.71E-89 | OIP5 | 213599\_at | Opa interacting protein 5 [Source:HGNC Symbol;Acc:HGNC:20300] |
| 1.70E-88 | FAM83D | 225687\_at | family with sequence similarity 83, member D [Source:HGNC Symbol;Acc:HGNC:16122] |
| 2.73E-88 | KIF23 | 204709\_s\_at | kinesin family member 23 [Source:HGNC Symbol;Acc:HGNC:6392] |
| 3.07E-88 | RNASEH2A | 203022\_at | ribonuclease H2, subunit A [Source:HGNC Symbol;Acc:HGNC:18518] |
| 3.26E-88 | TK1 | 1554408\_a\_at | thymidine kinase 1, soluble [Source:HGNC Symbol;Acc:HGNC:11830] |
| 9.16E-88 | HJURP | 218726\_at | Holliday junction recognition protein [Source:HGNC Symbol;Acc:HGNC:25444] |
| 2.46E-87 | SPC25 | 209891\_at | SPC25, NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:24031] |
| 4.97E-87 | POLE2 | 205909\_at | polymerase (DNA directed), epsilon 2, accessory subunit [Source:HGNC Symbol;Acc:HGNC:9178] |
| 3.07E-86 | TK1 | 202338\_at | thymidine kinase 1, soluble [Source:HGNC Symbol;Acc:HGNC:11830] |
| 3.73E-86 | CCNB1 | 228729\_at | cyclin B1 [Source:HGNC Symbol;Acc:HGNC:1579] |
| 4.40E-86 | CDCA2 | 226661\_at | cell division cycle associated 2 [Source:HGNC Symbol;Acc:HGNC:14623] |
| 1.33E-85 | KIF14 | 206364\_at | kinesin family member 14 [Source:HGNC Symbol;Acc:HGNC:19181] |
| 1.88E-84 | CDCA7 | 224428\_s\_at | cell division cycle associated 7 [Source:HGNC Symbol;Acc:HGNC:14628] |
| 3.46E-84 | CENPE | 205046\_at | centromere protein E, 312kDa [Source:HGNC Symbol;Acc:HGNC:1856] |
| 3.72E-84 | MCM6 | 201930\_at | minichromosome maintenance complex component 6 [Source:HGNC Symbol;Acc:HGNC:6949] |
| 4.61E-84 | BRIP1 | 235609\_at | BRCA1 interacting protein C-terminal helicase 1 [Source:HGNC Symbol;Acc:HGNC:20473] |
| 5.06E-84 | ZWILCH | 222606\_at | zwilch kinetochore protein [Source:HGNC Symbol;Acc:HGNC:25468] |
| 7.31E-84 | CENPK | 222848\_at | centromere protein K [Source:HGNC Symbol;Acc:HGNC:29479] |
| 8.60E-84 | ECT2 | 219787\_s\_at | epithelial cell transforming 2 [Source:HGNC Symbol;Acc:HGNC:3155] |
| 3.30E-83 | FEN1 | 204767\_s\_at | flap structure-specific endonuclease 1 [Source:HGNC Symbol;Acc:HGNC:3650] |
| 5.95E-83 | PCNA | 201202\_at | proliferating cell nuclear antigen [Source:HGNC Symbol;Acc:HGNC:8729] |
| 9.33E-83 | CHEK1 | 205394\_at | checkpoint kinase 1 [Source:HGNC Symbol;Acc:HGNC:1925] |
| 1.72E-82 | CKS2 | 204170\_s\_at | CDC28 protein kinase regulatory subunit 2 [Source:HGNC Symbol;Acc:HGNC:2000] |
| 5.18E-81 | RAD51 | 205024\_s\_at | RAD51 recombinase [Source:HGNC Symbol;Acc:HGNC:9817] |
| 6.01E-81 | SGOL2 | 230165\_at | shugoshin-like 2 (S. pombe) [Source:HGNC Symbol;Acc:HGNC:30812] |
| 6.75E-81 | FANCD2 | 242560\_at | Fanconi anemia, complementation group D2 [Source:HGNC Symbol;Acc:HGNC:3585] |
| 1.67E-80 | STIL | 205339\_at | SCL/TAL1 interrupting locus [Source:HGNC Symbol;Acc:HGNC:10879] |
| 1.93E-80 | KIF18A | 221258\_s\_at | kinesin family member 18A [Source:HGNC Symbol;Acc:HGNC:29441] |
| 1.20E-79 | RFC4 | 204023\_at | replication factor C (activator 1) 4, 37kDa [Source:HGNC Symbol;Acc:HGNC:9972] |
| 1.37E-79 | CENPN | 219555\_s\_at | centromere protein N [Source:HGNC Symbol;Acc:HGNC:30873] |
| 4.53E-79 | CHEK1 | 205393\_s\_at | checkpoint kinase 1 [Source:HGNC Symbol;Acc:HGNC:1925] |
| 7.62E-79 | CDC45 | 204126\_s\_at | cell division cycle 45 [Source:HGNC Symbol;Acc:HGNC:1739] |
| 3.27E-78 | PLK4 | 204887\_s\_at | polo-like kinase 4 [Source:HGNC Symbol;Acc:HGNC:11397] |
| 6.01E-78 | RFC3 | 204127\_at | replication factor C (activator 1) 3, 38kDa [Source:HGNC Symbol;Acc:HGNC:9971] |
| 2.96E-77 | AURKB | 209464\_at | aurora kinase B [Source:HGNC Symbol;Acc:HGNC:11390] |
| 3.43E-77 | SPAG5 | 203145\_at | sperm associated antigen 5 [Source:HGNC Symbol;Acc:HGNC:13452] |
| 1.17E-76 | NCAPH | 212949\_at | non-SMC condensin I complex, subunit H [Source:HGNC Symbol;Acc:HGNC:1112] |
| 1.42E-76 | CENPM | 218741\_at | centromere protein M [Source:HGNC Symbol;Acc:HGNC:18352] |
| 3.43E-76 | SMC2 | 204240\_s\_at | structural maintenance of chromosomes 2 [Source:HGNC Symbol;Acc:HGNC:14011] |
| 1.84E-75 | IQGAP3 | 229538\_s\_at | IQ motif containing GTPase activating protein 3 [Source:HGNC Symbol;Acc:HGNC:20669] |
| 4.23E-75 | BIRC5 | 202094\_at | baculoviral IAP repeat containing 5 [Source:HGNC Symbol;Acc:HGNC:593] |
| 5.96E-75 | DEPDC1 | 235545\_at | DEP domain containing 1 [Source:HGNC Symbol;Acc:HGNC:22949] |
| 1.06E-74 | NCAPD2 | 201774\_s\_at | non-SMC condensin I complex, subunit D2 [Source:HGNC Symbol;Acc:HGNC:24305] |
| 1.54E-74 | DTYMK | 1553984\_s\_at | deoxythymidylate kinase (thymidylate kinase) [Source:HGNC Symbol;Acc:HGNC:3061] |
| 1.56E-74 | DTYMK | 203270\_at | deoxythymidylate kinase (thymidylate kinase) [Source:HGNC Symbol;Acc:HGNC:3061] |
| 1.84E-74 | KIF14 | 236641\_at | kinesin family member 14 [Source:HGNC Symbol;Acc:HGNC:19181] |
| 3.61E-74 | MCM10 | 220651\_s\_at | minichromosome maintenance complex component 10 [Source:HGNC Symbol;Acc:HGNC:18043] |
| 4.03E-74 | MND1 | 223700\_at | meiotic nuclear divisions 1 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:24839] |
| 8.04E-74 | ANLN | 1552619\_a\_at | anillin, actin binding protein [Source:HGNC Symbol;Acc:HGNC:14082] |
| 1.17E-73 | CENPF | 209172\_s\_at | centromere protein F, 350/400kDa [Source:HGNC Symbol;Acc:HGNC:1857] |
| 1.93E-72 | MCM3 | 201555\_at | minichromosome maintenance complex component 3 [Source:HGNC Symbol;Acc:HGNC:6945] |
| 2.50E-72 | MKI67 | 212023\_s\_at | marker of proliferation Ki-67 [Source:HGNC Symbol;Acc:HGNC:7107] |
| 2.72E-72 | GTSE1 | 204318\_s\_at | G-2 and S-phase expressed 1 [Source:HGNC Symbol;Acc:HGNC:13698] |
| 8.53E-72 | RRM1 | 201477\_s\_at | ribonucleotide reductase M1 [Source:HGNC Symbol;Acc:HGNC:10451] |
| 1.67E-71 | PRIM1 | 205053\_at | primase, DNA, polypeptide 1 (49kDa) [Source:HGNC Symbol;Acc:HGNC:9369] |
| 1.88E-71 | CDC6 | 203968\_s\_at | cell division cycle 6 [Source:HGNC Symbol;Acc:HGNC:1744] |
| 3.87E-71 | CENPH | 231772\_x\_at | centromere protein H [Source:HGNC Symbol;Acc:HGNC:17268] |
| 5.69E-71 | CDCA3 | 221436\_s\_at | cell division cycle associated 3 [Source:HGNC Symbol;Acc:HGNC:14624] |
| 7.35E-71 | KIF2C | 211519\_s\_at | kinesin family member 2C [Source:HGNC Symbol;Acc:HGNC:6393] |
| 1.19E-70 | MTFR2 | 228069\_at | mitochondrial fission regulator 2 [Source:HGNC Symbol;Acc:HGNC:21115] |
| 1.40E-70 | FBXO5 | 218875\_s\_at | F-box protein 5 [Source:HGNC Symbol;Acc:HGNC:13584] |
| 1.79E-70 | PARPBP | 220060\_s\_at | PARP1 binding protein [Source:HGNC Symbol;Acc:HGNC:26074] |
| 2.22E-70 | ASF1B | 218115\_at | anti-silencing function 1B histone chaperone [Source:HGNC Symbol;Acc:HGNC:20996] |
| 2.87E-70 | CDC6 | 203967\_at | cell division cycle 6 [Source:HGNC Symbol;Acc:HGNC:1744] |
| 4.40E-70 | HELLS | 223556\_at | helicase, lymphoid-specific [Source:HGNC Symbol;Acc:HGNC:4861] |
| 2.33E-69 | SMC4 | 201663\_s\_at | structural maintenance of chromosomes 4 [Source:HGNC Symbol;Acc:HGNC:14013] |
| 2.71E-69 | EZH2 | 203358\_s\_at | enhancer of zeste 2 polycomb repressive complex 2 subunit [Source:HGNC Symbol;Acc:HGNC:3527] |
| 4.34E-69 | PLK4 | 204886\_at | polo-like kinase 4 [Source:HGNC Symbol;Acc:HGNC:11397] |
| 4.65E-69 | TIMELESS | 203046\_s\_at | timeless circadian clock [Source:HGNC Symbol;Acc:HGNC:11813] |
| 4.65E-69 | ESPL1 | 38158\_at | extra spindle pole bodies homolog 1 (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:16856] |
| 4.90E-69 | HELLS | 227350\_at | helicase, lymphoid-specific [Source:HGNC Symbol;Acc:HGNC:4861] |
| 7.72E-69 | H2AFZ | 200853\_at | H2A histone family, member Z [Source:HGNC Symbol;Acc:HGNC:4741] |
| 8.73E-69 | SKA3 | 227165\_at | spindle and kinetochore associated complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:20262] |
| 1.02E-68 | RAD54L | 204558\_at | RAD54-like (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:9826] |
| 1.30E-68 | DIAPH3 | 229097\_at | diaphanous-related formin 3 [Source:HGNC Symbol;Acc:HGNC:15480] |
| 1.76E-68 | ZWILCH | 218349\_s\_at | zwilch kinetochore protein [Source:HGNC Symbol;Acc:HGNC:25468] |
| 1.87E-68 | E2F8 | 219990\_at | E2F transcription factor 8 [Source:HGNC Symbol;Acc:HGNC:24727] |
| 3.22E-68 | CKAP2L | 229610\_at | cytoskeleton associated protein 2-like [Source:HGNC Symbol;Acc:HGNC:26877] |
| 5.66E-68 | WHSC1 | 209053\_s\_at | Wolf-Hirschhorn syndrome candidate 1 [Source:HGNC Symbol;Acc:HGNC:12766] |
| 7.54E-68 | HN1 | 217755\_at | hematological and neurological expressed 1 [Source:HGNC Symbol;Acc:HGNC:14569] |
| 9.10E-68 | BIRC5 | 210334\_x\_at | baculoviral IAP repeat containing 5 [Source:HGNC Symbol;Acc:HGNC:593] |
| 1.68E-67 | SMC4 | 201664\_at | structural maintenance of chromosomes 4 [Source:HGNC Symbol;Acc:HGNC:14013] |
| 3.43E-67 | HMGB2 | 208808\_s\_at | high mobility group box 2 [Source:HGNC Symbol;Acc:HGNC:5000] |
| 3.80E-67 | ORC6 | 219105\_x\_at | origin recognition complex, subunit 6 [Source:HGNC Symbol;Acc:HGNC:17151] |
| 5.05E-67 | MCM4 | 222037\_at | minichromosome maintenance complex component 4 [Source:HGNC Symbol;Acc:HGNC:6947] |
| 5.75E-67 | STMN1 | 200783\_s\_at | stathmin 1 [Source:HGNC Symbol;Acc:HGNC:6510] |
| 8.23E-67 | CDC25C | 205167\_s\_at | cell division cycle 25C [Source:HGNC Symbol;Acc:HGNC:1727] |
| 1.04E-66 | DDIAS | 228281\_at | DNA damage-induced apoptosis suppressor [Source:HGNC Symbol;Acc:HGNC:26351] |
| 2.89E-66 | BRCA1 | 204531\_s\_at | breast cancer 1, early onset [Source:HGNC Symbol;Acc:HGNC:1100] |
| 4.23E-66 | TCF19 | 223274\_at | transcription factor 19 [Source:HGNC Symbol;Acc:HGNC:11629] |
| 1.17E-65 | RFC5 | 203209\_at | replication factor C (activator 1) 5, 36.5kDa [Source:HGNC Symbol;Acc:HGNC:9973] |
| 1.56E-65 | MCM10 | 222962\_s\_at | minichromosome maintenance complex component 10 [Source:HGNC Symbol;Acc:HGNC:18043] |
| 7.69E-65 | DEPDC1B | 226980\_at | DEP domain containing 1B [Source:HGNC Symbol;Acc:HGNC:24902] |
| 1.26E-64 | KNSTRN | 225300\_at | kinetochore-localized astrin/SPAG5 binding protein [Source:HGNC Symbol;Acc:HGNC:30767] |
| 1.32E-64 | TACC3 | 218308\_at | transforming, acidic coiled-coil containing protein 3 [Source:HGNC Symbol;Acc:HGNC:11524] |
| 1.40E-64 | CCNE2 | 205034\_at | cyclin E2 [Source:HGNC Symbol;Acc:HGNC:1590] |
| 1.15E-63 | SPDL1 | 221685\_s\_at | spindle apparatus coiled-coil protein 1 [Source:HGNC Symbol;Acc:HGNC:26010] |
| 1.49E-63 | GMNN | 218350\_s\_at | geminin, DNA replication inhibitor [Source:HGNC Symbol;Acc:HGNC:17493] |
| 1.72E-63 | EXO1 | 204603\_at | exonuclease 1 [Source:HGNC Symbol;Acc:HGNC:3511] |
| 1.74E-63 | CKAP2 | 218252\_at | cytoskeleton associated protein 2 [Source:HGNC Symbol;Acc:HGNC:1990] |
| 2.85E-63 | SKA1 | 217640\_x\_at | spindle and kinetochore associated complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:28109] |
| 3.11E-63 | CHEK1 | 238075\_at | checkpoint kinase 1 [Source:HGNC Symbol;Acc:HGNC:1925] |
| 3.94E-63 | H2AFZ | 213911\_s\_at | H2A histone family, member Z [Source:HGNC Symbol;Acc:HGNC:4741] |
| 6.42E-63 | KNTC1 | 206316\_s\_at | kinetochore associated 1 [Source:HGNC Symbol;Acc:HGNC:17255] |
| 8.07E-63 | WDHD1 | 216228\_s\_at | WD repeat and HMG-box DNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:23170] |
| 9.34E-63 | MCM5 | 216237\_s\_at | minichromosome maintenance complex component 5 [Source:HGNC Symbol;Acc:HGNC:6948] |
| 1.48E-62 | LMNB1 | 203276\_at | lamin B1 [Source:HGNC Symbol;Acc:HGNC:6637] |
| 1.64E-62 | FBXO5 | 234863\_x\_at | F-box protein 5 [Source:HGNC Symbol;Acc:HGNC:13584] |
| 2.17E-62 | ATAD2 | 218782\_s\_at | ATPase family, AAA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30123] |
| 2.91E-62 | NUP37 | 218622\_at | nucleoporin 37kDa [Source:HGNC Symbol;Acc:HGNC:29929] |
| 6.26E-62 | PARPBP | 227928\_at | PARP1 binding protein [Source:HGNC Symbol;Acc:HGNC:26074] |
| 7.64E-62 | RMI2 | 226456\_at | RecQ mediated genome instability 2 [Source:HGNC Symbol;Acc:HGNC:28349] |
| 1.06E-61 | MCM4 | 212141\_at | minichromosome maintenance complex component 4 [Source:HGNC Symbol;Acc:HGNC:6947] |
| 1.58E-61 | ATAD2 | 222740\_at | ATPase family, AAA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30123] |
| 2.44E-61 | FAM64A | 221591\_s\_at | family with sequence similarity 64, member A [Source:HGNC Symbol;Acc:HGNC:25483] |
| 3.34E-61 | MIS18A | 228597\_at | MIS18 kinetochore protein A [Source:HGNC Symbol;Acc:HGNC:1286] |
| 3.56E-61 | RFC3 | 204128\_s\_at | replication factor C (activator 1) 3, 38kDa [Source:HGNC Symbol;Acc:HGNC:9971] |
| 4.49E-61 | BORA | 219544\_at | bora, aurora kinase A activator [Source:HGNC Symbol;Acc:HGNC:24724] |
| 7.34E-61 | SPC24 | 235572\_at | SPC24, NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:26913] |
| 8.93E-61 | VRK1 | 203856\_at | vaccinia related kinase 1 [Source:HGNC Symbol;Acc:HGNC:12718] |
| 8.93E-61 | FEN1 | 204768\_s\_at | flap structure-specific endonuclease 1 [Source:HGNC Symbol;Acc:HGNC:3650] |
| 1.25E-60 | DHFR | 202534\_x\_at | dihydrofolate reductase [Source:HGNC Symbol;Acc:HGNC:2861] |
| 1.39E-60 | MKI67 | 212020\_s\_at | marker of proliferation Ki-67 [Source:HGNC Symbol;Acc:HGNC:7107] |
| 1.59E-60 | SNRPF | 203832\_at | small nuclear ribonucleoprotein polypeptide F [Source:HGNC Symbol;Acc:HGNC:11162] |
| 3.45E-60 | ZNF367 | 229551\_x\_at | zinc finger protein 367 [Source:HGNC Symbol;Acc:HGNC:18320] |
| 5.10E-60 | TROAP | 204649\_at | trophinin associated protein [Source:HGNC Symbol;Acc:HGNC:12327] |
| 6.49E-60 | LMNB2 | 216952\_s\_at | lamin B2 [Source:HGNC Symbol;Acc:HGNC:6638] |
| 7.57E-60 | SAE1 | 217946\_s\_at | SUMO1 activating enzyme subunit 1 [Source:HGNC Symbol;Acc:HGNC:30660] |
| 8.68E-60 | TMPO | 203432\_at | thymopoietin [Source:HGNC Symbol;Acc:HGNC:11875] |
| 8.71E-60 | ESPL1 | 204817\_at | extra spindle pole bodies homolog 1 (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:16856] |
| 8.99E-60 | H2AFX | 205436\_s\_at | H2A histone family, member X [Source:HGNC Symbol;Acc:HGNC:4739] |
| 1.92E-59 | DEPDC1 | 220295\_x\_at | DEP domain containing 1 [Source:HGNC Symbol;Acc:HGNC:22949] |
| 2.05E-59 | CDT1 | 209832\_s\_at | chromatin licensing and DNA replication factor 1 [Source:HGNC Symbol;Acc:HGNC:24576] |
| 3.15E-59 | KIFC1 | 209680\_s\_at | kinesin family member C1 [Source:HGNC Symbol;Acc:HGNC:6389] |
| 3.36E-59 | DSCC1 | 219000\_s\_at | DNA replication and sister chromatid cohesion 1 [Source:HGNC Symbol;Acc:HGNC:24453] |
| 4.28E-59 | POC1A | 226355\_at | POC1 centriolar protein A [Source:HGNC Symbol;Acc:HGNC:24488] |
| 6.95E-59 | KIAA0101 | 211713\_x\_at | KIAA0101 [Source:HGNC Symbol;Acc:HGNC:28961] |
| 1.68E-58 | DONSON | 221677\_s\_at | downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993] |
| 2.05E-58 | HAUS1 | 225297\_at | HAUS augmin-like complex, subunit 1 [Source:HGNC Symbol;Acc:HGNC:25174] |
| 2.21E-58 | LRR1 | 235113\_at | leucine rich repeat protein 1 [Source:HGNC Symbol;Acc:HGNC:19742] |
| 2.98E-58 | POLQ | 219510\_at | polymerase (DNA directed), theta [Source:HGNC Symbol;Acc:HGNC:9186] |
| 3.31E-58 | BLM | 205733\_at | Bloom syndrome, RecQ helicase-like [Source:HGNC Symbol;Acc:HGNC:1058] |
| 3.63E-58 | FANCI | 223785\_at | Fanconi anemia, complementation group I [Source:HGNC Symbol;Acc:HGNC:25568] |
| 2.51E-57 | SUV39H2 | 1554572\_a\_at | suppressor of variegation 3-9 homolog 2 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:17287] |
| 6.83E-57 | CENPO | 226118\_at | centromere protein O [Source:HGNC Symbol;Acc:HGNC:28152] |
| 1.34E-56 | GTSE1 | 215942\_s\_at | G-2 and S-phase expressed 1 [Source:HGNC Symbol;Acc:HGNC:13698] |
| 1.58E-56 | MCM7 | 210983\_s\_at | minichromosome maintenance complex component 7 [Source:HGNC Symbol;Acc:HGNC:6950] |
| 1.83E-56 | MYBL2 | 201710\_at | v-myb avian myeloblastosis viral oncogene homolog-like 2 [Source:HGNC Symbol;Acc:HGNC:7548] |
| 2.97E-56 | CENPU | 229305\_at | centromere protein U [Source:HGNC Symbol;Acc:HGNC:21348] |
| 3.09E-56 | MCM8 | 224320\_s\_at | minichromosome maintenance complex component 8 [Source:HGNC Symbol;Acc:HGNC:16147] |
| 5.49E-56 | NEIL3 | 219502\_at | nei endonuclease VIII-like 3 (E. coli) [Source:HGNC Symbol;Acc:HGNC:24573] |
| 5.51E-56 | CDC25A | 204695\_at | cell division cycle 25A [Source:HGNC Symbol;Acc:HGNC:1725] |
| 5.75E-56 | RFC5 | 203210\_s\_at | replication factor C (activator 1) 5, 36.5kDa [Source:HGNC Symbol;Acc:HGNC:9973] |
| 6.29E-56 | CSE1L | 210766\_s\_at | CSE1 chromosome segregation 1-like (yeast) [Source:HGNC Symbol;Acc:HGNC:2431] |
| 1.26E-55 | DHFR | 48808\_at | dihydrofolate reductase [Source:HGNC Symbol;Acc:HGNC:2861] |
| 1.49E-55 | MCM5 | 201755\_at | minichromosome maintenance complex component 5 [Source:HGNC Symbol;Acc:HGNC:6948] |
| 4.01E-55 | NUDT1 | 204766\_s\_at | nudix (nucleoside diphosphate linked moiety X)-type motif 1 [Source:HGNC Symbol;Acc:HGNC:8048] |
| 4.22E-55 | TUBB | 212320\_at | tubulin, beta class I [Source:HGNC Symbol;Acc:HGNC:20778] |
| 4.35E-55 | GGH | 203560\_at | gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl hydrolase) [Source:HGNC Symbol;Acc:HGNC:4248] |
| 6.07E-55 | RPA3 | 209507\_at | replication protein A3, 14kDa [Source:HGNC Symbol;Acc:HGNC:10291] |
| 7.85E-55 | RUVBL2 | 1559946\_s\_at | RuvB-like AAA ATPase 2 [Source:HGNC Symbol;Acc:HGNC:10475] |
| 9.39E-55 | NPM1 | 221923\_s\_at | nucleophosmin (nucleolar phosphoprotein B23, numatrin) [Source:HGNC Symbol;Acc:HGNC:7910] |
| 9.40E-55 | CENPI | 214804\_at | centromere protein I [Source:HGNC Symbol;Acc:HGNC:3968] |
| 9.65E-55 | CSE1L | 201112\_s\_at | CSE1 chromosome segregation 1-like (yeast) [Source:HGNC Symbol;Acc:HGNC:2431] |
| 9.92E-55 | SNRPD1 | 202690\_s\_at | small nuclear ribonucleoprotein D1 polypeptide 16kDa [Source:HGNC Symbol;Acc:HGNC:11158] |
| 1.07E-54 | HELLS | 220085\_at | helicase, lymphoid-specific [Source:HGNC Symbol;Acc:HGNC:4861] |
| 1.07E-54 | CDT1 | 228868\_x\_at | chromatin licensing and DNA replication factor 1 [Source:HGNC Symbol;Acc:HGNC:24576] |
| 1.13E-54 | SMC2 | 213253\_at | structural maintenance of chromosomes 2 [Source:HGNC Symbol;Acc:HGNC:14011] |
| 1.30E-54 | C1ORF112 | 220840\_s\_at | chromosome 1 open reading frame 112 [Source:HGNC Symbol;Acc:HGNC:25565] |
| 1.75E-54 | NDC1 | 234672\_s\_at | NDC1 transmembrane nucleoporin [Source:HGNC Symbol;Acc:HGNC:25525] |
| 7.35E-54 | RP11-303E16.2 | 228559\_at | N/A |  |  |  |  |
| 7.62E-54 | LSM5 | 211747\_s\_at | LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:17162] |
| 1.04E-53 | ORC1 | 205085\_at | origin recognition complex, subunit 1 [Source:HGNC Symbol;Acc:HGNC:8487] |
| 1.08E-53 | RMI1 | 218979\_at | RecQ mediated genome instability 1 [Source:HGNC Symbol;Acc:HGNC:25764] |
| 1.12E-53 | HMGB3 | 203744\_at | high mobility group box 3 [Source:HGNC Symbol;Acc:HGNC:5004] |
| 1.86E-53 | CHAF1A | 214426\_x\_at | chromatin assembly factor 1, subunit A (p150) [Source:HGNC Symbol;Acc:HGNC:1910] |
| 2.77E-53 | PSRC1 | 201896\_s\_at | proline/serine-rich coiled-coil 1 [Source:HGNC Symbol;Acc:HGNC:24472] |
| 5.52E-53 | WHSC1 | 209054\_s\_at | Wolf-Hirschhorn syndrome candidate 1 [Source:HGNC Symbol;Acc:HGNC:12766] |
| 1.03E-52 | TUBB | 211714\_x\_at | tubulin, beta class I [Source:HGNC Symbol;Acc:HGNC:20778] |
| 1.38E-52 | ATAD2 | 228401\_at | ATPase family, AAA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30123] |
| 3.48E-52 | RFC2 | 203696\_s\_at | replication factor C (activator 1) 2, 40kDa [Source:HGNC Symbol;Acc:HGNC:9970] |
| 4.38E-52 | WDHD1 | 204728\_s\_at | WD repeat and HMG-box DNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:23170] |
| 4.70E-52 | SGOL2 | 235425\_at | shugoshin-like 2 (S. pombe) [Source:HGNC Symbol;Acc:HGNC:30812] |
| 4.81E-52 | PRIM2 | 205628\_at | primase, DNA, polypeptide 2 (58kDa) [Source:HGNC Symbol;Acc:HGNC:9370] |
| 6.95E-52 | PAICS | 201013\_s\_at | phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase [Source:HGNC Symbol;Acc:HGNC:8587] |
| 7.58E-52 | PPIH | 204228\_at | peptidylprolyl isomerase H (cyclophilin H) [Source:HGNC Symbol;Acc:HGNC:14651] |
| 8.24E-52 | TUBG1 | 201714\_at | tubulin, gamma 1 [Source:HGNC Symbol;Acc:HGNC:12417] |
| 1.21E-51 | SNRPC | 201342\_at | small nuclear ribonucleoprotein polypeptide C [Source:HGNC Symbol;Acc:HGNC:11157] |
| 2.01E-51 | CDCA4 | 218399\_s\_at | cell division cycle associated 4 [Source:HGNC Symbol;Acc:HGNC:14625] |
| 2.88E-51 | CBX3 | 201091\_s\_at | chromobox homolog 3 [Source:HGNC Symbol;Acc:HGNC:1553] |
| 3.12E-51 | CCDC34 | 226287\_at | coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079] |
| 3.33E-51 | RAD54B | 219494\_at | RAD54 homolog B (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:17228] |
| 3.50E-51 | MIS18A | 219004\_s\_at | MIS18 kinetochore protein A [Source:HGNC Symbol;Acc:HGNC:1286] |
| 3.76E-51 | SKP2 | 211042\_x\_at | S-phase kinase-associated protein 2, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:10901] |
| 3.94E-51 | RFC2 | 1053\_at | replication factor C (activator 1) 2, 40kDa [Source:HGNC Symbol;Acc:HGNC:9970] |
| 4.42E-51 | BARD1 | 227545\_at | BRCA1 associated RING domain 1 [Source:HGNC Symbol;Acc:HGNC:952] |
| 4.74E-51 | GINS3 | 45633\_at | GINS complex subunit 3 (Psf3 homolog) [Source:HGNC Symbol;Acc:HGNC:25851] |
| 5.46E-51 | PLK1 | 202240\_at | polo-like kinase 1 [Source:HGNC Symbol;Acc:HGNC:9077] |
| 6.33E-51 | NDC1 | 218073\_s\_at | NDC1 transmembrane nucleoporin [Source:HGNC Symbol;Acc:HGNC:25525] |
| 7.19E-51 | TIPIN | 219258\_at | TIMELESS interacting protein [Source:HGNC Symbol;Acc:HGNC:30750] |
| 7.36E-51 | CCT5 | 208696\_at | chaperonin containing TCP1, subunit 5 (epsilon) [Source:HGNC Symbol;Acc:HGNC:1618] |
| 1.06E-50 | MCM10 | 223570\_at | minichromosome maintenance complex component 10 [Source:HGNC Symbol;Acc:HGNC:18043] |
| 1.27E-50 | C4ORF46 | 238015\_at | chromosome 4 open reading frame 46 [Source:HGNC Symbol;Acc:HGNC:27320] |
| 1.51E-50 | CDC25A | 1555772\_a\_at | cell division cycle 25A [Source:HGNC Symbol;Acc:HGNC:1725] |
| 2.22E-50 | KIAA1524 | 231855\_at | KIAA1524 [Source:HGNC Symbol;Acc:HGNC:29302] |
| 3.25E-50 | ANP32E | 208103\_s\_at | acidic (leucine-rich) nuclear phosphoprotein 32 family, member E [Source:HGNC Symbol;Acc:HGNC:16673] |
| 3.87E-50 | C4ORF46 | 235088\_at | chromosome 4 open reading frame 46 [Source:HGNC Symbol;Acc:HGNC:27320] |
| 8.04E-50 | DIAPH3 | 232596\_at | diaphanous-related formin 3 [Source:HGNC Symbol;Acc:HGNC:15480] |
| 8.23E-50 | ERCC6L | 219650\_at | excision repair cross-complementation group 6-like [Source:HGNC Symbol;Acc:HGNC:20794] |
| 9.95E-50 | ASPM | 232238\_at | asp (abnormal spindle) homolog, microcephaly associated (Drosophila) [Source:HGNC Symbol;Acc:HGNC:19048] |
| 1.15E-49 | PSMC3IP | 213951\_s\_at | PSMC3 interacting protein [Source:HGNC Symbol;Acc:HGNC:17928] |
| 1.31E-49 | UCK2 | 209825\_s\_at | uridine-cytidine kinase 2 [Source:HGNC Symbol;Acc:HGNC:12562] |
| 1.45E-49 | GTSE1 | 204315\_s\_at | G-2 and S-phase expressed 1 [Source:HGNC Symbol;Acc:HGNC:13698] |
| 1.97E-49 | DHFR | 202532\_s\_at | dihydrofolate reductase [Source:HGNC Symbol;Acc:HGNC:2861] |
| 1.99E-49 | TMPO | 224944\_at | thymopoietin [Source:HGNC Symbol;Acc:HGNC:11875] |
| 2.35E-49 | DNMT1 | 201697\_s\_at | DNA (cytosine-5-)-methyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:2976] |
| 2.82E-49 | CDK2 | 204252\_at | cyclin-dependent kinase 2 [Source:HGNC Symbol;Acc:HGNC:1771] |
| 3.32E-49 | EME1 | 234464\_s\_at | essential meiotic structure-specific endonuclease 1 [Source:HGNC Symbol;Acc:HGNC:24965] |
| 3.74E-49 | BUB1 | 215509\_s\_at | BUB1 mitotic checkpoint serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:1148] |
| 4.47E-49 | HNRNPAB | 201277\_s\_at | heterogeneous nuclear ribonucleoprotein A/B [Source:HGNC Symbol;Acc:HGNC:5034] |
| 9.90E-49 | CKAP5 | 212832\_s\_at | cytoskeleton associated protein 5 [Source:HGNC Symbol;Acc:HGNC:28959] |
| 1.05E-48 | CDC7 | 204510\_at | cell division cycle 7 [Source:HGNC Symbol;Acc:HGNC:1745] |
| 1.40E-48 | UNG | 202330\_s\_at | uracil-DNA glycosylase [Source:HGNC Symbol;Acc:HGNC:12572] |