

Cell Cycle	2.58685E-2	4.98131113	ERCC6L, ZWILCH, DSCC1, GMNN, CCNF, DIXDC1, BUB1B, MKI67, SMC2, CDC20, CHEK2, CHEK1, NUSAP1, RCC1, NEK2, OIP5, KNTC1, FOXO5, BORA, LIG1, TRP73, ESCO2, CDC25C, KNSTRN, MELK, CCNE2, CCNE1, FANCD2, FAM64A, KIF20B, CDCA2, CDCA3, CDCA5, CDCA6, PKMYT1, SKA3, PMF1, NCAFH, SKA1, SKA2, CCN2, DSN1, CCN1B, BRINP1, RACGAP1, CLSPN, ECT2, FAM83D, CDT1, UBE2C, DDIA5, PLK1, CDC7, CDC6, NDC80, ANLN, TPX2, KIF18B, UBE2S, CDK1, CNTROB, MCM7, MCM8, NCAPG2, BRCA1, KIF11, CHTF18, FOXM1, BRCA2, CKS1B, SARPB3, CHAF1B, CHAF1A, SGO1, MS18BP1, GSG2, NUF2, MYB12, SPDL1, DUGAP5, CEP55, HELLS, H2AFX, CKAP2, KIF23, MASTL, CCSP, CIT, CCNA2, ASPM, CCNA1, DBF4, PSRC1, INCENP, MCM3, CKS2, BIRC5, GAS1, MCM5, KIF2C, MCM6, MCM2, UHRF1, NSL1, AURKB, AURKA, CDCA5, E2F1, BUB1, E2F7, E2F8, CENPW, CDKN2C, SPAG5, TICRR, CENPE, WEE1, APITD1, PRCL1, NCAPO2, SPC24, MAD2L1, SPC25, NEK11, CDKN3
Cell Division	9.92865E-41	5.691800598	SPC25, MAD2L1
Mitotic Nuclear Division	6.98062E-40	6.624963972	ERCC6L, ZWILCH, NCAPG2, CCNF, KIF14, BUB1B, KIF11, SMC2, CDC20, SGO1, TUBB3, MS18BP1, CHEK2, NUF2, NUSAP1, RCC1, NEK2, OIP5, KNTC1, FOXO5, SPDL1, CEP55, HELLS, BORA, KIF23, MASTL, CDC25C, CCSP, KNSTRN, CIT, CCNA2, CCNA1, ASPM, PSRC1, CKS1B, SARPB3, CHAF1B, CHAF1A, SGO1, MS18BP1, GSG2, NUF2, MYB12, SPDL1, DUGAP5, CEP55, HELLS, H2AFX, PMF1, NSL1, AURKB, SKA1, NCAFH, AURKA, SKA2, CCN2, CCN1B, DSN1, CDCA5, RACGAP1, ECT2, FAM83D, BUB1, CENPW, SPAG5, UBE2C, PLK1, CDC7, CDC6, NDC80, ANLN, TPX2, CENPE, WEE1, APITD1, KIF18B, PRCL1, UBE2S, CDK1, NCAPO2, SPC24, MCM2
DNA Replication	2.07287E-20	7.161424469	PIF1, FEN1, BLM, ZBTB4, BRCA1, KIF11, SKA3, PMF1, NSL1, SKA1, SKA2, DSN1, SGO1, RCC1, NEK2, OIP5, BUB1, CENPW, SPAG5, ESCO2, GINS1, POLQ, GINS2, CDT1, RRM2, RRM1, RRM2, <b>RFC4</b> , LIG1, CDC6, ADRA2A, TICRR, POLA1, DBF4, POLE2, MCM3, MCM5, MCM6, DTL, MCM2
Chromosome Segregation	7.07731E-18	7.972784358	KNSTRN, NDC80, CENPE, CENPF, ESPL1, CENPH, INCENP, <b>BIRCS</b> , KIF2C, CENPN, SPC25
Cellular Response to DNA Damage Stimulus	1.16369E-10	2.854623365	TOP2A, CDCA2, BRCA1, KIF11, SKA3, PMF1, NSL1, SKA1, SKA2, DSN1, SGO1, RCC1, NEK2, OIP5, BUB1, CENPW, SPAG5, ESCO2, H2AFX, TRP73, MASTL, MMS22L, NEIL3, RADS1C, FANCD2, SPATA18, DTL, PIF1, ZBTB417H13RIK, BLM, PARBP, UHRF1, UNG, RADS4B, RADS1AP1, BRIP1, RADS4A, CLSPN, E2F7, ZRANB3, BARD1, POLQ, EGLN3, ATAD5, DDIA5, TICRR, RADS1, APITD1, UBE2T, CDKN3
DNA Replication Initiation	7.46665E-10	12.23410014	POLA1, CDCA5, <b>CEN2E</b> , MCM7, CCNE1, MCM1, CDC7, MCM5, MCM10, MCM6, CDC6, MCM2
DNA Repair	3.26326E-08	2.846928962	PIF1, FEN1, BLM, ZBTB417H13RIK, ANKLE1, PARRBP, MCM8, UHRF1, BRCA1, FOXM1, BRCA2, UNG, RADS1AP1, BRIP1, CHAF1B, CHAF1A, EXO1, CHEK2, CHEK1, RADS4L, CLSPN, POLE, ZRANB3, GEN1, BARD1, POLQ, UGI, H2AFX, KIF22, TICRR, MMS22L, NEIL3, RADS1C, RADS1, APITD1, FANCD2, UBE2T
Chemokine-Mediated Signaling Pathway	2.33183E-07	6.22826916	<b>CCL24, CCL12, CCL11, CXCL1, CXCL3, CXCL13, CXCL5, CCL9, CCL8, CCL7, CCR9, CCL2, ACKR1, PF4</b>
Cellular Response to Tumor Necrosis Factor	4.7248E-07	4.226325501	<b>PPARGCIA, SRB1, ADAMTS7</b>
Cell Adhesion	6.56795E-07	2.270245386	PTPRU, SPON2, COL18A1, COL15A1, TENM3, COL16A1, TNFAP6, LAMA1, TROP, TNC, THBS2, NID2, WISP1, HAPLN1, CDH5, FLT2, CDH2, CHL1, HAS1, SPP1, CLCA2, HAS2, CYP18B1, CDH24, NRCAM, NCAM1, EPHB1, AOC3, CADM4, MYBP2, FN1, MFAP4, SDCA1, VCAN
Cellular Response to Interleukin-3	3.8958E-06	4.587787551	<b>CCL24, CCL12, EDN1, CCL11, SAA3, FN1, ADAMTS12, CCL9, CCL8, CCL7, CCL2, HAS2, SOX9, PKC1, ADAMTS7</b>
Collagen Fibril Organization	2.10752E-05	6.273897508	COL1A1, ADAMTS7, COL3A1, COL1A2, COL5A1, LUM, COL11A1, COL5A2, CYP18B1, LOXL2
Chemotaxis	2.41355E-05	3.5250797	<b>CCL24, CCL12, CCL11, HMGB2, CXCR3, CXCL3, CXCL13, CXCL5, CCL9, CCL8, CCL7, CCR9, C3AR1, CCL2, CCR5, CCR3, PF4</b>
Collagen Catabolic Process	3.4529E-05	8.156066757	ADAMTS2, MMP14, <b>MMP13</b> , CTSC, <b>MMP2</b> , MMP19, PRTN3, MMP10
G2/M Transition of Mitotic Cell Cycle	3.68705E-05	4.735780698	TCF19, CDKN2C, <b>CEN2E</b> , CCNE1, CDCA5, RCC1, RHOU, INHBA, SKP2, IQGAP3, POLE, <b>CDKN3</b>
G2/M Transition of Mitotic Cell Cycle	4.15239E-05	6.673145528	CHEK2, PLK1, CHEK1, <b>BIRCS</b> , MASTL, CDC25C, SKP2, FOXM1, CIT
Mitotic Spindle Assembly	6.54823E-05	6.291827927	CDC20, TPX2, KIFC1, CHEK2, KIF5C, <b>BIRCS</b> , NEK2, MYBL2, KIF11
Protein Heterotrimerization	7.78534E-05	9.0146001	COL1A1, COL1A2, COL6A2, <b>C1QTNF6</b> , COL6A1, <b>ADIPOQ</b> , COL6A4
Apoptosis	8.62644E-05	2.828693673	<b>APOE, PKC1, PPARGCIA</b>
Cytokinesis	9.99357E-05	5.95172439	PRC1, INCENP, PLK1, <b>BIRCS</b> , KIF23, KIF20A, ECT2, BRCA2, CIT
Cell Activation	0.000164448	10.48637154	LVPD1, <b>FN1</b> , LVPD2, <b>IGF1</b> , <b>TIMP1</b> , SLURP1
Inflammatory Response	0.000190111	2.133854675	<b>CCL12, TPSB2, CALCA, CCL11, CD5L, HMGB2, CXCL1, REG3G, CXCL3, CXCL13, CXCL5, CCL9, CYP26B1, CCL8, CCL7, SPP1, C3AR1, CCL2, BDKRB1, CCR5, CCR3, CCL24, CD163, NR1H4, TRP73, CHL3, HC, ACKR1, CHIL4, PF4</b>
Positive Regulation of Protein Kinase C Activity	0.000262631	24.48820027	<b>COMP, WNT5A, ROR2, AGT</b>
Cellular Response to Retinoic Acid	0.000282918	4.140772353	COL1A1, CYP26A1, CYP26B1, BRINP1, TSC, <b>SERPINF1, OSR1, TNC, CCL2, SOX9, PKC1</b>
Response to Drug	0.00034462	2.093149876	COL18A1, NNMT, MCM7, HMGB2, ABAT, PTN, TYMS, ADRA1A, RADS4B, CCN1B, CDH3, LIGALS1, MDK, RADS4L, NCAM1, <b>PPARGCIA</b> , ABCB1B, NTRK1, CBX7, <b>ARL1, MMP2</b> , TRP73, <b>INHBA</b> , COL1A1, ALDH3A1, RADS1, SCGB1A1, CYP11A1, CDK1
Cellular Response to Interferon-Gamma	0.000411696	3.95809122	<b>CCL24, CCL9, CCL12, EDN1, CCL8, CCL11, GBP10, CCL7, WNT5A, CCL2, AQP4</b>
Eosinophil Chemotaxis	0.000474593	12.23410014	<b>CCL24, CCL11, CCL7, CCL2, CCR3</b>
Endothelial Cell Differentiation	0.000642531	6.343607478	MMP14, COL1A1, <b>MMP2</b> , COL6A1, <b>FN1, INHBA</b> , NODAL
Male Gonad Development	0.000645266	3.058525034	RRM1, TSC, <b>WNT5A</b> , HMGB2, LRRC6, <b>INHBA</b> , ASPM, MMP14, BRIP1, WT1, SOX9, SOX9, WNT6, BDK
Spermatogenesis	0.000672503	1.923789702	MYCBPAP, TRIP13, SPATA18
Cell Proliferation	0.000712836	2.335609935	MCM7, UHRF1, MCM10, <b>IGF1</b> , MKI67, BRCA2, AURKB, CKS1B, POLA1, UCHL1, MELK, CKS2, CYP1A1, CDK1, TACC3, FAM83D, BUB1, TSPAN1, CTRP, E2F8, BOK
Extracellular Matrix Organization	0.000764012	3.0048667	VIT, COL18A1, QSOX1, LAMA1, ELN, <b>FN1, NID2, AGT, CTDC8, COL5A3, ADAMTS2, COL6A4, WWA1, SOX9</b>
Protein Phosphorylation	0.000788588	1.741660089	LAMA1, BUB1B, TTK, MST1R, PKMYT1, AURKB, AURKA, CCN1B, STK33, CHEK2, GSG2, CHEK1, PKB, NEK2, EPHB2, BUB1, EPHB1, PLK4, NTRK1, CDKL4, NEK5, IGFBP3, PLK1, WNT5A, CDC7, PAK, MASTL, MAPK15, DCLK1, CIT, MAPK10, WEE1, MELK, CCNE1, MAP3K19, CDK1, BIRCS, FAM20C, ROR2, CAMK1G, NEK11
Positive Regulation of Inflammatory Response	0.000982989	3.883841313	<b>CCL24, CCL9, CCL12, CCL8, CCL11, FAPB4, CCL7, WNT5A, CCL2, CCR5</b>
Monocyte Chemotaxis	0.001052875	4.893840094	<b>CCL24, CCL9, CCL12, CALCA, CCL9, CCL11, CCL7, CCL2</b>
Collagen Biosynthetic Process	0.001234537	16.31213351	COL1A1, ADAMTS7, COL5A1, <b>ARG1</b>
Neutrophil Chemotaxis	0.001895059	3.546115981	<b>CCL24, CCL9, CCL12, CCL8, CCL11, CCL7, SPP1, CCL2, CXCL1, CXCL3</b>
Lymphocyte Chemotaxis	0.001952452	5.1902243	<b>CCL24, CCL9, CCL12, CCL8, CCL11, CCL7, CCL2</b>
Cellular Response to Platelet-Derived Growth Factor Stimulus	0.002036809	6.383008766	CCNA2, ERF1F1, HAS1, <b>CCL2, HAS2, PTN</b>
Positive Regulation of Transcription, DNA-Templated	0.002154274	1.65670106	MEG3, BLM, MYRF, HMGB2, BRCA1, FOXM1, BRCA2, CKS1B, MDK, CHEK2, <b>E2F1, SOX8, SOX9, PPARGCIA, GF2F3</b> , WNT4, TESC, ATAD2, WNT5A, TRP73, EBF2, EBF3, <b>IGF1, INHBA</b> , GDF6, KLF15, ETV4, AGT, CCNA2, COL1A1, MLXIP1, PSK1, WT1, LHX2, CKS2, NFE2L3, PGR, ROR2, ZFP82
Cilium Movement	0.002670239	4.893640054	RSPH8A, <b>DNAH10</b> , DNAH5, DNAH6, LRRC6, <b>DNAI1</b> , CCDC40
Response to Lipopolysaccharide	0.003005409	2.236673121	<b>PKC1, PF4</b>
Cellular Response to Hypoxia	0.003196758	2.850664109	FABP1, CCNA2, CCN1B, <b>EDN1</b> , FNDC1, <b>E2F1, TWIST1, HMOX1, PTN, PKC1, PPARGCIA, KCN2</b>
Maternal Process Involved in Parturition	0.0032506	12.23410014	<b>EDN1, CYP11A1, CCL2, NODAL</b>
Response Activity	0.003537167	3.994808207	NTRK1, <b>EDN1, ADIPOQ, CDK1, CCL2, PTN, PKC1, PPARGCIA</b>
ERK1 and ERK2 Cascade	0.003588882	5.646507755	<b>CCL11, IGF1, SOX9, IQGAP3, CCR3, AGT</b>
Response to Mechanical Stimulus	0.00395037	3.495457182	<b>COL3A1, MMP14, CCN1B, MMP2</b> , TNC, <b>CCL2, BDKRB1, KCNK12, DCN</b>
Immune Response	0.004000488	1.97904561	H2-EB2, CCL24, CCL12, <b>CCL11</b> , CMA1, MCP1A, <b>CKCR3, KCNK11, PRG4, CXCL3, CXCL13, CXCL5, VPREB3, CCL9, CCL8, CCL7, CCR9, CCL2</b>
Positive Regulation of Cell Migration	0.004084037	2.169594113	COL18A1, LRRC15, CCL24, <b>EDN1</b> , EMP, <b>CCL11</b> , TNFAIP6, <b>MMP2, ARHGFB3, FN1, IGF1</b> , ADRA2A, COL1A1, MMP14, FAM110C, C3AR1, HAS2, ROR2

- Categories
- Adhesion/Migration
- Cell Cycle/Apoptosis
- Inflammatory/Immune Response
- Cell Signaling