|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table S9. List of upstream regulators associated with the identified gene co-expression modules in B cells of primary Sjögren's syndrome.** | | | | |
| Upstream Regulator | Molecule Type | p-value of overlap | module | Target molecules in dataset |
| SOX4 | transcription regulator | 0.00000681 | yellow | BMPR2,CTNNA1,NAV1,NREP,STAG3,TBXA2R,TMEM131L,TNFRSF19 |
| SOX11 | transcription regulator | 0.0000928 | yellow | CD58,LEF1,MSI2,NREP,SOCS5 |
| miR-21-5p | mature microRNA | 0.000397 | yellow | BMPR2,CDK6,GLCCI1,SOCS5 |
| IL2 | cytokine | 0.0006 | yellow | ARHGEF7,CD58,CDK6,DOCK9,DUSP5,FYN,GADD45B,HCK,NAV1,NT5E,TNFRSF10A |
| beta-estradiol | chemical - endogenous mammalian | 0.000884 | yellow | AGO2,AKAP2,AP1B1,BMPR2,COA1,DUSP5,GADD45B,HRK,IL15,KCNQ5,LHFPL2,MYBL1,PIK3C2B,PPP1R14A,RASGRP2,RCN2,SMAD3,SOX4,TMEM131L,TNFSF8,YWHAH,ZBTB20 |
| camptothecin | chemical drug | 0.000959 | yellow | AKAP2,CDK6,GADD45B,H3F3A/H3F3B,HRK,MICAL3,PIK3C2B,PIK3CA,RASGRP2,RBMS1,TNFRSF10A |
| BRD1 | other | 0.001 | yellow | ZC3H15,ZNF226 |
| CRNDE | other | 0.00135 | yellow | DUSP5,GADD45B,RASGRP2 |
| CD40LG | cytokine | 0.00173 | yellow | ADAM28,AKAP2,CDK6,DUSP5,IL15,MAP2K3,PPIL2,TNFSF8 |
| miR-129-5p | mature microRNA | 0.00194 | yellow | BMPR2,SOX4 |
| MET | kinase | 0.00239 | yellow | IL15,NREP,TCHP,TNFSF8 |
| BCL11B | transcription regulator | 0.00274 | yellow | LEF1,NETO1,SOX4 |
| miR-155-5p (miRNAs w/seed UAAUGCU) | mature microRNA | 0.00294 | yellow | MSI2,NT5E,RCN2,TM6SF1,TNFRSF10A |
| mir-21 | microRNA | 0.00326 | yellow | BMPR2,CDK6,GBP5,GLCCI1,SMARCA4,SOCS5 |
| black raspberry extract | chemical drug | 0.00347 | yellow | DUSP5,HIP1,MAP2K3,YWHAH |
| SMC3 | other | 0.00365 | yellow | BMPR2,SOX4 |
| mir-218 | microRNA | 0.00365 | yellow | LEF1,NT5E |
| WLS | other | 0.00415 | yellow | BMPR2,LEF1 |
| 4-nitroquinoline-1-oxide | chemical toxicant | 0.00415 | yellow | CDK6,FHIT |
| filgrastim | biologic drug | 0.00518 | yellow | ADAM28,CRTC3,GBP5,HIP1,LEF1,SMAD3,TNFRSF10A,ZBTB20 |
| trans-hydroxytamoxifen | chemical drug | 0.00531 | yellow | LHFPL2,MYBL1,SMAD3,TMEM131L |
| ID2 | transcription regulator | 0.00544 | yellow | GADD45B,PIK3C2B,SOCS5,SOX4,TNFSF8 |
| GRSF1 | other | 0.00608 | yellow | AGO2 |
| MARCH4 | enzyme | 0.00608 | yellow | TNFRSF10A |
| TUSC7 | other | 0.00608 | yellow | CDK6 |
| APPL2 | other | 0.00608 | yellow | HRK |
| MARCH9 | other | 0.00608 | yellow | TNFRSF10A |
| KHK | kinase | 0.00608 | yellow | SLC2A5 |
| mir-34 | microRNA | 0.00608 | yellow | CDK6,LEF1,PLCG1 |
| mir-184 | microRNA | 0.00608 | yellow | AGO2 |
| miR-211-3p (miRNAs w/seed CAGGGAC) | mature microRNA | 0.00608 | yellow | CDK6 |
| atacicept | biologic drug | 0.00608 | yellow | IL15 |
| RAB11A | enzyme | 0.00608 | yellow | SLC2A5 |
| P4HA1 | enzyme | 0.00608 | yellow | AGO2 |
| CWP232228 | chemical reagent | 0.00608 | yellow | LEF1 |
| pectin | chemical drug | 0.00608 | yellow | SMAD3 |
| SGK1 | kinase | 0.00636 | yellow | CDK6,KCNQ5,SLC5A3 |
| miR-103-3p (and other miRNAs w/seed GCAGCAU) | mature microRNA | 0.00647 | yellow | AGO2,CDK6 |
| ID3 | transcription regulator | 0.00676 | yellow | GADD45B,PIK3C2B,SOCS5,SOX4,TNFSF8 |
| n-nitrosomethylbenzylamine | chemical toxicant | 0.00692 | yellow | DUSP5,HIP1,MAP2K3,YWHAH |
| IL7 | cytokine | 0.00752 | yellow | CDK6,DUSP5,LEF1,TNFSF8 |
| HIF1A | transcription regulator | 0.00935 | yellow | BHLHE41,FYN,GADD45B,HRK,IL15,NT5E,SSBP1 |
| Ige | complex | 0.01 | yellow | FYN,GADD45B,HIP1R,HIVEP3,IL15,TNFRSF10A |
| CRTC2 | other | 0.01 | yellow | CDK6,SMARCA4 |
| MST1 | growth factor | 0.01 | yellow | IL15,SOX4 |
| Tcf7 | transcription regulator | 0.01 | yellow | LEF1,TNFRSF19 |
| PRDM5 | transcription regulator | 0.0107 | yellow | GADD45B,NREP,PPIL2 |
| HOXA7 | transcription regulator | 0.0108 | yellow | MSI2,SOX4 |
| RAD21 | transcription regulator | 0.0108 | yellow | BMPR2,SOX4 |
| IRF4 | transcription regulator | 0.0113 | yellow | CDK6,SMARCA4,YWHAH,ZBTB20 |
| bufalin | chemical reagent | 0.0116 | yellow | TNFRSF10A,YWHAH |
| minoxidil | chemical drug | 0.0121 | yellow | LEF1 |
| 2-nitrotoluene | chemical toxicant | 0.0121 | yellow | FHIT |
| RNU7-1 | other | 0.0121 | yellow | H3F3A/H3F3B |
| MARCH2 | enzyme | 0.0121 | yellow | TNFRSF10A |
| MARCH8 | enzyme | 0.0121 | yellow | TNFRSF10A |
| cyproconazole | chemical drug | 0.0121 | yellow | GADD45B |
| NUP98 | transporter | 0.0121 | yellow | YWHAH |
| miR-137-3p (miRNAs w/seed UAUUGCU) | mature microRNA | 0.0121 | yellow | CDK6 |
| miR-421-3p (and other miRNAs w/seed UCAACAG) | mature microRNA | 0.0121 | yellow | RBMXL1 |
| mir-383 | microRNA | 0.0121 | yellow | RBMS1 |
| GAS5 | other | 0.0121 | yellow | CDK6 |
| lanatoside C | chemical - endogenous non-mammalian | 0.0121 | yellow | TNFRSF10A |
| oxazepam | chemical drug | 0.0121 | yellow | GADD45B |
| alsterpaullone | chemical reagent | 0.0121 | yellow | TNFRSF10A |
| digitoxin | chemical drug | 0.0121 | yellow | TNFRSF10A |
| caspase | group | 0.0125 | yellow | CDK6,HRK |
| GDF2 | growth factor | 0.015 | yellow | BMPR2,GADD45B,YWHAH |
| ICMT | enzyme | 0.0152 | yellow | LARGE1,RCN2 |
| PRKN | enzyme | 0.0152 | yellow | CDK6,LEF1 |
| SATB1 | transcription regulator | 0.0154 | yellow | CTNNA1,GADD45B,RASGRP2,SMAD3 |
| FOXO4 | transcription regulator | 0.017 | yellow | ELOVL5,FYN,GADD45B |
| ELF4 | transcription regulator | 0.0171 | yellow | DUSP5,HRK |
| BRCA1 | transcription regulator | 0.0171 | yellow | FHIT,GADD45B,H3F3A/H3F3B,SMAD3 |
| methyleugenol | chemical toxicant | 0.0181 | yellow | FHIT |
| ATOH7 | other | 0.0181 | yellow | SOX4 |
| LEO1 | other | 0.0181 | yellow | SOX4 |
| CTBP1-DT | other | 0.0181 | yellow | SMAD3 |
| DTNB | other | 0.0181 | yellow | SNTB1 |
| TRD | other | 0.0181 | yellow | NT5E |
| P4HB | enzyme | 0.0181 | yellow | AGO2 |
| KCNQ2 | ion channel | 0.0181 | yellow | KCNQ5 |
| FER | kinase | 0.0181 | yellow | LARGE1 |
| RNH1 | other | 0.0181 | yellow | FYN |
| ITGB8 | other | 0.0181 | yellow | SMAD3 |
| ST3GAL5 | enzyme | 0.0181 | yellow | PIK3CA |
| MARCH1 | enzyme | 0.0181 | yellow | TNFRSF10A |
| oleandrin | chemical drug | 0.0181 | yellow | TNFRSF10A |
| NKX2-1 | transcription regulator | 0.0182 | yellow | GLCCI1,HCK,LEF1,SSBP1 |
| miR-182-5p (and other miRNAs w/seed UUGGCAA) | mature microRNA | 0.0201 | yellow | CDK6,PIK3CA |
| PCGF2 | transcription regulator | 0.0201 | yellow | CDK6,SMAD3 |
| ARHGAP21 | other | 0.0201 | yellow | IL15,TNFSF8 |
| ouabain | chemical drug | 0.0201 | yellow | TNFRSF10A,YWHAH |
| tretinoin | chemical - endogenous mammalian | 0.0221 | yellow | BMPR2,CAPN7,CDK6,HIP1,HIVEP3,IL15,KCNQ5,MAP2K3,SLC5A3,SMAD3,SMARCA4,SOX4,STARD10,TNFRSF10A,TNFRSF19 |
| RCE1 | peptidase | 0.0234 | yellow | LARGE1,RCN2 |
| Foxp1 | transcription regulator | 0.0234 | yellow | RASGRP2,SOX4 |
| palbociclib | chemical drug | 0.0241 | yellow | CDK6 |
| CpG ODN 1555 | chemical reagent | 0.0241 | yellow | IL15 |
| SP6 | transcription regulator | 0.0241 | yellow | LEF1 |
| ANKRD13C | other | 0.0241 | yellow | TBXA2R |
| TH1 Cytokine | group | 0.0241 | yellow | PPP1R14A |
| PAG1 | other | 0.0241 | yellow | FYN |
| MIR129 | group | 0.0241 | yellow | CDK6 |
| miR-515-5p (and other miRNAs w/seed UCUCCAA) | mature microRNA | 0.0241 | yellow | PIK3C2B |
| TIAM1 | other | 0.0241 | yellow | LEF1 |
| RGD1560225 | other | 0.0241 | yellow | PRKD3 |
| bupropion | chemical drug | 0.0241 | yellow | TNFRSF10A |
| butylphen | chemical toxicant | 0.0241 | yellow | TNFRSF10A |
| TP63 | transcription regulator | 0.0245 | yellow | CDK6,MAP2K3,NT5E,PIK3CA,SMAD3,TNFRSF10A |
| ZMPSTE24 | peptidase | 0.0257 | yellow | GADD45B,SOCS5 |
| CXCL12 | cytokine | 0.0259 | yellow | DOCK9,FYN,SSBP1,TNFRSF10A |
| mir-1 | microRNA | 0.0261 | yellow | H3F3A/H3F3B,SMARCA4,TMEM243 |
| PPRC1 | transcription regulator | 0.0269 | yellow | DUSP5,TM6SF1 |
| POU2AF1 | transcription regulator | 0.0269 | yellow | CTNNA1,PLCG1 |
| HR | transcription regulator | 0.0281 | yellow | LEF1,PLCG1 |
| paclitaxel | chemical drug | 0.0288 | yellow | BHLHE41,DUSP5,GADD45B,NREP,TNFRSF10A |
| VSX1 | transcription regulator | 0.03 | yellow | NETO1 |
| ST8SIA4 | enzyme | 0.03 | yellow | PIK3CA |
| BCL2L12 | other | 0.03 | yellow | TNFRSF10A |
| UTRN | transmembrane receptor | 0.03 | yellow | BMPR2 |
| TFDP2 | transcription regulator | 0.03 | yellow | STAG3 |
| FRK | kinase | 0.03 | yellow | FYN |
| NEDD4L | enzyme | 0.03 | yellow | PIK3CA |
| silicon phthalocyanine | chemical drug | 0.03 | yellow | CDK6 |
| ERG | transcription regulator | 0.0306 | yellow | FYN,LEF1,RBMS1,SOX4 |
| IFN Beta | group | 0.033 | yellow | IL15,PLCG1,TRAF3IP2 |
| BRD2 | kinase | 0.0331 | yellow | GNG3,PRKD3 |
| phytohemagglutinin | chemical drug | 0.0336 | yellow | CHML,NT5E,PLCG1,SLC5A3,SOX4 |
| mir-182 | microRNA | 0.0344 | yellow | CDK6,PIK3CA |
| IL33 | cytokine | 0.0348 | yellow | GADD45B,HCK,IL15,PLCG1 |
| curcumin | chemical drug | 0.0353 | yellow | CDK6,CTNNA1,FYN,TBXA2R,TNFRSF10A |
| LMNB1 | other | 0.0357 | yellow | LARGE1,RCN2 |
| (6)-gingerol | chemical - endogenous non-mammalian | 0.0359 | yellow | CDK6 |
| DBH-AS1 | other | 0.0359 | yellow | CDK6 |
| ZNRF3 | enzyme | 0.0359 | yellow | LEF1 |
| urotensin II | biologic drug | 0.0359 | yellow | SMAD3 |
| DVL1 | other | 0.0359 | yellow | LEF1 |
| RAP1GAP | other | 0.0359 | yellow | CDK6 |
| miR-148a-3p (and other miRNAs w/seed CAGUGCA) | mature microRNA | 0.0359 | yellow | UBASH3B |
| LIMS2 | other | 0.0359 | yellow | CTNNA1 |
| Tcrd | other | 0.0359 | yellow | IL15 |
| CARD14 | other | 0.0359 | yellow | PIK3CA |
| LHX6 | transcription regulator | 0.0359 | yellow | LEF1 |
| ADCYAP1R1 | G-protein coupled receptor | 0.0359 | yellow | DUSP5 |
| CAPNS1 | peptidase | 0.0359 | yellow | PIK3CA |
| DVL2 | other | 0.0359 | yellow | LEF1 |
| LGK-974 | chemical drug | 0.0359 | yellow | LEF1 |
| chlorambucil | chemical drug | 0.0359 | yellow | TNFRSF10A |
| POU5F1 | transcription regulator | 0.0371 | yellow | DUSP5,HRK,TNFRSF10A,TNFRSF19,TNFSF8 |
| DCN | other | 0.0371 | yellow | SMAD3,TCHP |
| carbonyl cyanide m-chlorophenyl hydrazone | chemical toxicant | 0.0371 | yellow | DUSP5,TM6SF1 |
| FOXO1 | transcription regulator | 0.039 | yellow | BANK1,ELOVL5,FYN,GADD45B,HRK,IL15 |
| FOXO3 | transcription regulator | 0.0394 | yellow | ELOVL5,FYN,GADD45B,NT5E,PIK3CA |
| YBX1 | transcription regulator | 0.0398 | yellow | CDK6,PIK3CA |
| BRD4 | kinase | 0.0407 | yellow | KCNQ5,NAV1,SMARCA4 |
| NR3C1 | ligand-dependent nuclear receptor | 0.0408 | yellow | GADD45B,GLCCI1,IL15,SLC2A5,SOX4,TNFRSF10A,TRAF3IP2,YWHAH |
| SMAD4 | transcription regulator | 0.041 | yellow | GADD45B,LEF1,SMAD3,TNFRSF10A |
| sodium arsenite | chemical drug | 0.0412 | yellow | CDK6,GADD45B |
| PTGER4 | G-protein coupled receptor | 0.0415 | yellow | CDK6,HIVEP3,LHFPL2 |
| TAL1 | transcription regulator | 0.0416 | yellow | CDK6,HIVEP3,PLCG1,SOX4 |
| IL3 | cytokine | 0.0417 | yellow | GADD45B,HRK,SOX4,SSBP1,TNFSF8 |
| pasireotide | biologic drug | 0.0418 | yellow | BMPR2 |
| RDH10 | enzyme | 0.0418 | yellow | LEF1 |
| SLC5A8 | transporter | 0.0418 | yellow | TNFRSF10A |
| evofosfamide | chemical drug | 0.0418 | yellow | CDK6 |
| miR-346 (and other miRNAs w/seed GUCUGCC) | mature microRNA | 0.0418 | yellow | AGO2 |
| salinomycin | chemical - endogenous non-mammalian | 0.0418 | yellow | LEF1 |
| EGR4 | transcription regulator | 0.0418 | yellow | MYBL1 |
| DLC1 | other | 0.0418 | yellow | CDK6 |
| FERMT1 | other | 0.0418 | yellow | LEF1 |
| ATF7 | transcription regulator | 0.0418 | yellow | DUSP5 |
| SP110 | transcription regulator | 0.0423 | yellow | PLCG1,SMARCA4,SOX4 |
| Fcer1 | complex | 0.0426 | yellow | FYN,MAP2K3 |
| BCL2L1 | other | 0.0426 | yellow | TNFRSF10A,TNFSF8 |
| SP1 | transcription regulator | 0.0438 | yellow | CDK6,FYN,IL15,MYBL1,RASGRP2,SMAD3,TBXA2R |
| 2-amino-5-phosphonovaleric acid | chemical - other | 0.0457 | yellow | GADD45B,LHFPL2,TCHP |
| CD28 | transmembrane receptor | 0.0461 | yellow | AP1B1,CDK6,FYN,HIVEP3,SLC5A3 |
| TNFSF13B | cytokine | 0.047 | yellow | DUSP5,IL15 |
| entinostat | chemical drug | 0.047 | yellow | TNFRSF10A,TNFRSF19 |
| HMGA1 | transcription regulator | 0.0474 | yellow | HCK,IL15,SOX4 |
| forskolin | chemical toxicant | 0.0475 | yellow | GADD45B,H3F3A/H3F3B,LARGE1,MAP2K3,NT5E,SLC2A5,SMAD3,SSBP1 |
| GCS-100 | chemical drug | 0.0476 | yellow | CDK6 |
| Mir218 | microRNA | 0.0476 | yellow | LEF1 |
| MSI2 | other | 0.0476 | yellow | SMAD3 |
| SAV1 | other | 0.0476 | yellow | SOX4 |
| ZNF382 | transcription regulator | 0.0476 | yellow | CDK6 |
| HINT1 | enzyme | 0.0476 | yellow | ELOVL5 |
| LIMS1 | other | 0.0476 | yellow | CTNNA1 |
| miR-140-5p (and other miRNAs w/seed AGUGGUU) | mature microRNA | 0.0476 | yellow | SMAD3 |
| TXNRD1 | enzyme | 0.0476 | yellow | TNFRSF10A |
| Hmga2 | enzyme | 0.0476 | yellow | IL15 |
| DEK | transcription regulator | 0.0476 | yellow | LEF1 |
| butylhydroxybutylnitrosamine | chemical toxicant | 0.0476 | yellow | FHIT |
| capsazepine | chemical toxicant | 0.0476 | yellow | TNFRSF10A |
| adaphostin | chemical drug | 0.0476 | yellow | CDK6 |
| sphingomyelin | chemical - endogenous mammalian | 0.0476 | yellow | ELOVL5 |
| TERT | enzyme | 0.0483 | yellow | AKAP2,SMAD3,UBASH3B |
| SUZ12 | enzyme | 0.0483 | yellow | CTNNA1,RBMS1,SMARCA4 |
| IKZF1 | transcription regulator | 0.0483 | yellow | CDK6,DOCK9,LHFPL2 |
| CCND1 | transcription regulator | 0.0487 | yellow | CDK6,MAML3,MYBL1,NT5E,SOX4 |
| lipopolysaccharide | chemical drug | 2.06E-27 | turquoise | ABCB1,ABCB4,ABCC4,ABCG1,ACP5,ACSL1,ACTN4,ACVR1,ADA,ADGRE1,ADGRE2,AFF3,AHR,AKAP13,ALOX5,ANXA1,ANXA5,ANXA7,APOBEC3A,APOBEC3B,APOBEC3G,AQP3,ARG1,ARNT,ARPC1B,ATP1A1,BACH2,BAG3,BID,BIRC3,BTG1,C5AR1,CALCR,CALM1 (includes others),CAPN2,CAV1,CCL3,CCL5,CCND2,CCR1,CD14,CD163,CD1A,CD200,CD22,CD300LF,CD33,CD36,CD38,CD4,CD48,CD55,CD58,CD59,CD69,CD74,CD80,CD86,CD8A,CDC42EP3,CDK4,CEBPA,CEBPB,CEBPD,CEMIP2,CFD,CFLAR,CFP,CIITA,CITED2,CLEC4D,CLEC7A,COL9A1,CR2,CREBBP,CREG1,CRH,CRTAP,CSF1R,CSF2RB,CSF3R,CST3,CSTB,CTSC,CX3CR1,CXCL2,CXCL8,CXCR3,CXCR4,CXCR5,DDX17,DNAJB11,DUSP4,EDEM1,EHD1,ELK3,ENO1,ERN1,ERO1A,ETS2,EZH2,FABP5,FAS,FBXO32,FCER1G,FCER2,FCGR2B,FGL2,FLT1,FOXO1,FPR1,FURIN,FYB1,FZD1,GAB1,GADD45A,GBP4,GCLC,GIMAP7,GLCCI1,GPSM1,GZMA,GZMB,GZMH,HBEGF,HCAR3,HDAC9,HDGF,HLA-DMA,HLA-DMB,HLA-DOA,HLA-DOB,HMGA1,HMOX1,HSH2D,HSP90B1,HSPA5,HSPA8,HYOU1,ICOSLG/LOC102723996,ID2,IER3,IGFBP4,IGHM,IGKC,IL13RA1,IL15RA,IL16,IL1B,IL1RN,IL21R,IL2RB,IL32,IL4R,IL5RA,IL6R,IL7,IL7R,IRAK1,IRAK2,IRF4,IRF8,IRGM,ITGAL,ITGAM,ITGAV,ITGAX,ITGB1,ITGB7,JAZF1,JCHAIN,JDP2,KCNN4,KLF10,KMO,KYNU,LASP1,LCP2,LDHA,LGALS1,LGALS3,LIMK2,LIMS1,LITAF,LMNB1,LRRFIP1,LST1,LY96,LYN,LYNX1,LYZ,MAFB,MAGED1,MARCKS,MARCKSL1,MCL1,MGST2,MIF,MKI67,MT2A,MTDH,MTSS1,MYB,NAMPT,NCOA3,NCOA7,NDFIP1,NFIL3,NLRP3,NLRP7,NR3C1,NUSAP1,P4HB,PAX5,PDCD4,PDIA4,PERP,PFKFB3,PHC1,PKIG,PKM,PLAUR,PLEK,PLEKHA1,PLIN2,POU2AF1,PPARGC1B,PPIA,PRDM1,PRDX1,PRDX5,PRR5,PSMA2,PSMA6,PSMB10,PSME2,PTAFR,PTGS2,PTPRB,PYCARD,RAB1B,RAB20,RANBP2,RARRES3,RBMS1,REL,RUNX2,RUNX3,RXRA,S100A12,S100A8,S100A9,SAMSN1,SAT1,SATB1,SEC11A,SECTM1,SELPLG,SEMA3A,SERPINA1,SGPP2,SH2D1A,SIRPA,SLAMF7,SLC11A1,SLC16A3,SLC30A1,SLC39A6,SLC3A2,SLFN13,SOCS2,SOD1,SSBP3,SSR1,ST6GAL1,STAP1,STAT4,STEAP4,STX11,SWAP70,TAGAP,TALDO1,TBK1,TBX21,TERF2,TFDP1,TFDP2,TFEC,TFRC,TGFB2,THRB,TIMP1,TIMP2,TIMP3,TKT,TLR2,TLR4,TNF,TNFAIP2,TNFRSF13B,TNFRSF1B,TOP2A,TOR3A,TP63,TPI1,TRADD,TREM1,TREML2,TRIB1,TUBB4B,TXN,TXNIP,TYMP,TYROBP,UCHL1,UHRF1,UTRN,VCAN,VCL,VDR,VEGFA,VIM,VTI1B,WARS,WEE1,XBP1,YBX3,YWHAE,ZBTB7A,ZNF281,ZYX |
| IL15 | cytokine | 1.56E-26 | turquoise | ACTN4,AHR,ALDOA,ANXA1,AQP3,ARNT,BTG1,CALM1 (includes others),CAMK2D,CCL3,CCL5,CCND2,CCR1,CD226,CD33,CD38,CD55,CD59,CD69,CD74,CD80,CD86,CD8A,CDK2AP1,CDK4,CEBPB,COX6C,CREBBP,CX3CR1,CXCL2,CXCL8,CXCR4,ELK3,ELOC,ENO1,FAS,FCGR3A/FCGR3B,FKBP1A,FYB1,GABPB1,GAPDH,GATA3,GLDC,GNAS,GNLY,GPI,GZMB,GZMK,H2AFY,HAVCR2,HCST,HMOX1,HSPA8,HSPE1,IL15RA,IL21R,IL2RB,IL32,IL7R,ITGAX,ITGB1,ITGB7,KLRD1,LDHA,LSP1,LYN,MAPK1,MAPKAPK3,MCL1,MIF,MKI67,MT1G,NAGA,OAZ1,PA2G4,PAFAH1B3,PDCD4,PDCD5,PDIA4,PFKFB3,PGD,PGK1,PGM1,PKM,PLEK,PPARGC1B,PRDM1,PRDX4,PRF1,PSAP,PSMA5,PSMB10,PTP4A2,RAB8A,RBX1,RPS3A,S100A11,SELPLG,SF1,SLC16A1,SLC16A3,SMAD3,SOCS2,SORL1,SPN,SRGN,TALDO1,TBX21,TCF7,TFDP2,TFRC,TGFBR2,TIMP1,TKT,TLR2,TNF,TNFRSF10C,TNFRSF17,TNFRSF25,TOP2A,TPI1,TYROBP,UPP1,VDAC3,VDR,VEGFA,XBP1 |
| IL5 | cytokine | 3.84E-26 | turquoise | ACAA2,ACP5,AK3,ALDOA,ANXA2,ATP1B1,ATXN1,BNIP3L,CCL3,CCND2,CCR1,CD55,CD63,CD69,CD80,CIITA,CITED2,CKAP4,CLEC2B,CRELD2,CRIP1,CSF2RB,CSF3R,CTSC,CX3CR1,CXCL8,CXCR3,CXCR4,DUSP6,EGOT,ELL2,ENO1,EPS8,ERO1A,FAS,FCGR2B,FGL2,FOSL2,GADD45A,GBP4,HBEGF,HCAR3,HIGD1A,HMMR,HSP90B1,HSPA5,IDI1,IER3,IFI30,IGHE,IGHM,IL13RA1,IL18BP,IL4R,IL5RA,IL6R,ITGAM,ITGAV,ITGB7,JCHAIN,KIAA1147,LCP2,LIMK2,LMNB1,LRRC8C,MANF,MMD,MTDH,NABP1,NACA,NFIL3,PAX5,PDIA6,PGM1,PKM,PRDM1,PRDX4,PSAT1,RHOH,RPN1,RRAS2,S100A4,S100A6,SDF2L1,SEMA4A,SLC16A3,SOCS2,SPCS2,SPN,SRI,ST7,TARP,TNF,TPI1,UPP1,VIM,XBP1,ZBTB32,ZYX |
| TP53 | transcription regulator | 3.87E-25 | turquoise | ABAT,ABCB1,ABCB4,ACAA2,ACSF2,ACSL1,ACTN1,ACTN4,ADA,ADGRE5,AEN,AGO2,AK3,ALDOA,ALOX5,ANLN,ANXA1,ANXA2,AP3B1,APBB2,AQP3,ARPC1B,ARRB1,ASL,ASPM,ATG4A,ATP1A1,ATP5F1A,ATP5F1C,ATP5MC3,ATXN1,AURKA,BAK1,BCAT1,BHLHE41,BID,BIK,BIRC3,BIRC5,BRAF,BTG1,BUB1B,CALU,CAMK2D,CAMK2N1,CAPNS1,CARS,CAV1,CCL5,CCNA2,CCND2,CD36,CD59,CD70,CDC42EP3,CDC6,CDK4,CDT1,CEBPA,CEBPB,CEBPD,CEP55,CERS6,CFLAR,CHD3,CHEK1,CITED2,CLUH,CNN3,COL18A1,COL9A1,COQ4,COX5A,COX7A2,CRACR2B,CREB3,CSF1R,CSF3R,CSRP1,CSTB,CXCL8,CYFIP2,CYP51A1,DAPK1,DBI,DDR1,DDX5,DLGAP5,DNM2,DSTN,DTX1,DUSP4,DUSP6,DUT,E2F2,ECPAS,EPS8,ESR1,ETFA,EZH2,F8A1 (includes others),FABP5,FAM3C,FAM83D,FAS,FBXW7,FKBP1A,FKBP5,FOXO1,GADD45A,GAL3ST4,GAPDH,GATM,GLRX,GLUL,GMNN,GNAQ,GPI,GPX1,GRK3,GSTM1,H2AFY,H2AFZ,HBEGF,HDAC9,HLA-B,HMGA1,HMMR,HMOX1,HS3ST1,HSP90AB1,HSPA8,ID2,IDH2,IDH3G,IER3,IER5,IFI30,IGFBP4,IGFBP7,IGH,IKBIP,IL16,IL1B,IL1RN,IL21R,IL4R,IL5RA,IL7,INPP4A,IRF8,ITGAV,ITGB7,JMJD1C,KCNG1,KCNN4,KLHL21,KPNA2,LASP1,LDHA,LDHB,LDLR,LGALS3,LIMK1,LIMK2,LMAN2,LPP,LSP1,LYZ,MAFB,MAP4,MAPK1,MAPRE2,MCL1,MCM4,MCM6,MDH2,MDM2,MDM4,MGAT1,MGST2,MIR17HG,MKI67,MRPL12,MRPL15,MRPL34,MRPS24,MSRB1,MTDH,MTMR11,MYOF,NAB1,NAMPT,NAP1L1,NAP1L4,NCAPG,NCAPH,NCK2,NDC80,NDUFS6,NINJ1,NR2F1,NUSAP1,ORAI2,P4HB,PA2G4,PABPC4,PALLD,PAWR,PCLAF,PDIA5,PDIA6,PDLIM5,PEG10,PERP,PFKFB3,PGD,PHGDH,PIAS2,PIK3C3,PIK3R5,PKM,PLA2G16,PLAUR,PLXNB2,PMEPA1,PMM1,PODXL,PPARGC1B,PPFIBP1,PRDM1,PRDX3,PRELID1,PRKCB,PRKCE,PRPSAP1,PSAP,PSMA1,PSMA2,PSMD8,PSTPIP2,PTGS2,PTK2,PTPN12,PTPRE,PTTG1,PVT1,PYCARD,RAB8A,RACGAP1,RAD17,RAP2A,RAP2B,RARRES3,RBL2,RNASE4,RPL10,RPL7,RPN1,RPN2,RPS20,RPS27L,RRM2,RRM2B,RUNX2,S100A4,SAT1,SCO2,SDHA,SDHB,SEC23B,SEC61A1,SEC61B,SEC62,SEL1L,SERPINB6,SH2D1A,SLC16A1,SLC25A4,SLC5A3,SMARCB1,SMC4,SOCS2,SOD1,SPCS2,SPN,SSPN,STARD4,STK17A,SUCLG1,TAGLN2,TALDO1,TBL1X,TBXAS1,TCL1A,TCTN1,TFDP1,TFRC,TGFB2,TGFBI,TGFBR2,TIMP1,TIMP2,TIMP3,TKT,TMED7,TNF,TNFAIP2,TNFRSF10C,TNFRSF1B,TOP2A,TP53I11,TP53I3,TP63,TPX2,TRIM44,TTN,TUBB,TUBB3,TULP4,TXN2,TYMS,UBE2C,UHRF1,UPP1,UQCRC1,UQCRQ,USP14,VCAN,VCL,VDAC1,VDAC3,VDR,VEGFA,VIM,VMP1,WEE1,WNT10A,XBP1,ZYX |
| Immunoglobulin | complex | 7.3E-24 | turquoise | ACSL1,AIF1,AQP9,BIRC3,BIRC5,CCL3,CCL5,CCND2,CD69,CD74,CD80,CD86,CDK4,CEBPD,CFP,CHN2,CIITA,CORO2A,CRISPLD2,CSF1R,CSF2RB,CXCL2,CXCL8,CXCR4,CXCR5,CYP1B1,DPYSL2,DSP,DUSP4,DYSF,ETS2,EXT1,EZH2,FAIM,FAS,FCER1G,FCGR2A,FCGR3A/FCGR3B,FLNB,FPR1,GATA3,GFI1,GPSM1,GPX1,GZMB,HMOX1,ICOSLG/LOC102723996,IFI30,IGFBP4,IGHE,IKZF2,IL1B,IL2RB,IL32,IL4R,IRAK1,IRF4,ITGAX,JCHAIN,KCTD12,KLRD1,LILRB2,LILRB3,LST1,MEF2C,MICAL2,MTHFD1,MTHFD2,MZB1,NAMPT,NFIL3,NLRP3,NT5E,OSBPL3,PAX5,PDIA6,PRDM1,PRDX1,PRDX5,PRF1,PTGS2,RAB31,REL,RPS11,S100A12,S100A8,S100A9,SAT1,SIRPA,SLC11A1,SLC25A37,SMOX,SOD1,STAB1,TBX21,TFRC,TGFBR3,TIMP1,TLR2,TNF,TNFRSF1B,TRADD,TTN,TXN,TYMP,VCAN,VEGFA,XBP1,YBX3,ZBTB16 |
| IL4 | cytokine | 4.39E-23 | turquoise | ABLIM1,ACP5,ACSL1,ACTG1,ADGRE1,AHNAK,AHR,ALAS1,ALG3,ALOX5,ANXA1,ANXA2,ARG1,ARNTL2,ATP5MD,BBX,BCL11A,BIRC5,BNIP3L,C5AR1,CALCR,CCL3,CCL5,CCND2,CD14,CD163,CD1A,CD200,CD300A,CD300LF,CD33,CD36,CD38,CD55,CD58,CD69,CD74,CD80,CD86,CD8A,CFLAR,CIITA,CITED2,CLEC7A,CLIP1,CLUH,COL18A1,CR2,CRIP1,CSF1R,CSF2RB,CSF3R,CST7,CTSC,CXCL2,CXCL8,CXCR3,CXCR4,CXCR5,EPRS,EXT1,FAS,FCER1G,FCER2,FCGR2A,FCGR2B,FCGR3A/FCGR3B,FKBP5,FLNA,FLNB,FLT1,FNIP2,GATA3,GATM,GFI1,GZMA,HBEGF,HIPK2,HLA-DMA,HOMER2,HSH2D,ICOSLG/LOC102723996,IDE,IER3,IFI30,IFNAR2,IGFBP4,IGHE,IGHG3,IL13RA1,IL15RA,IL16,IL1B,IL1RN,IL2RB,IL4R,IL5RA,IL7R,IRF4,IRF8,ITGAL,ITGAV,ITGAX,ITGB1,ITGB7,JCHAIN,KLRD1,KRR1,LGALS1,LGALS2,LGALS3,LMAN2,LRRC8C,LSP1,MAFB,MAP4,MAPK1,MAPKAPK3,MCL1,MKI67,MTDH,MYOF,NABP1,NAP1L1,NCOA3,NFIL3,NR3C1,NUMA1,PAWR,PAX5,PLIN2,PMVK,POU2AF1,PPM1G,PRDM1,PRF1,PRKCD,PSMA2,PSMA6,PSMB10,PSMG1,PTGS2,RNF19B,S100A10,S100A8,S100A9,SAMSN1,SDF2L1,SEC24A,SELPLG,SEMA4A,SERPINB6,SH2D1A,SIRPA,SIRPB1,SLAMF7,SOCS2,SRM,ST6GAL1,ST7,STAB1,STAT4,STUB1,SWAP70,SYT11,TBX21,TCF7,TFEC,TFRC,TGFBI,TGFBR2,TIMP1,TIMP2,TIMP3,TLR2,TLR4,TMED5,TNF,TNFRSF17,TNIK,UQCRC1,VARS,VDR,VEGFA,VIM,XBP1,XRCC6,ZCCHC18,ZNF415 |
| TGFB1 | growth factor | 8.87E-22 | turquoise | ABCG1,ABI2,ACAA2,ACTN1,ACVR1,ADI1,AHNAK,AHR,AIM2,ALOX5,ANXA2,AQP9,ARF1,ARF4,ARG1,ARPC2,ASGR2,ASPM,ATXN1,BIRC5,BMP6,BNIP3L,BRIP1,BSG,BTG1,BUB1B,C5AR1,CAB39,CADM1,CALCR,CALM1 (includes others),CAMK2N1,CAND2,CAPNS1,CARS,CAV1,CCDC85B,CCL3,CCL5,CCNA2,CCND2,CCR1,CD14,CD163,CD300A,CD36,CD4,CD55,CD59,CD69,CD72,CD80,CD86,CDC42EP3,CDK2AP1,CDK4,CDKN2C,CDT1,CEBPA,CEBPB,CFD,CFL1,CIITA,CITED2,CLEC2D,CNN3,COL18A1,COTL1,COX5A,CREB3,CSF1R,CSRP1,CST3,CTNND1,CTSC,CX3CR1,CXCL2,CXCL8,CXCR3,CXCR4,CXCR5,CYB561,DAAM1,DAD1,DAPK1,DDX5,DSP,DTX4,DUSP4,DYNLL1,EIF4A3,ELK3,ELMO1,EPRS,ESAM,ESR2,EXT1,FABP5,FAM3C,FAM53B,FAS,FCAR,FCER1G,FCGR3A/FCGR3B,FGF9,FILIP1L,FLNA,FLNB,FLT1,FNBP1,FNDC3B,FOSL2,FOXO1,FURIN,FXYD5,FZD1,GABBR1,GADD45A,GATA3,GATD3A/GATD3B,GATM,GCLC,GDPD5,GFI1,GLRX2,GNAS,GNS,GRIA1,GUSB,GYG1,GZMA,GZMB,HBEGF,HCST,HDAC9,HDGF,HEXB,HLA-DMA,HMGA1,HMOX1,HMOX2,HRH2,HSD17B10,HSPA5,ID2,IDI1,IER3,IFI30,IGFBP4,IGFBP7,IGHM,IL1B,IL1RN,IL2RB,IL32,IL4R,IL6R,IMPDH1,IRAK2,ITGAL,ITGAM,ITGAV,ITGAX,ITGB1,ITGB7,ITPR1,KCNG1,KDELR2,KLF10,KLF9,KLRD1,LAMC1,LASP1,LDHA,LDLR,LGALS3,LIMK2,LIMS1,LITAF,MAP4,MAPK1,MDM2,MEF2C,MGAT3,MGAT4A,MGAT5,MIA3,MKI67,MMP11,MRPS6,MTHFD2,MXI1,MYB,MYH11,MYL12A,MYL6,MYOF,NAB1,NAMPT,NCAPG,NCOA3,NDC80,NDST1,NDUFS4,NLRP3,NT5E,NUCB2,P2RY14,PA2G4,PDCD4,PDE4D,PDE7A,PDLIM5,PDLIM7,PDXK,PGK1,PHACTR1,PHGDH,PIK3C3,PILRA,PKIG,PLA1A,PLAUR,PLCB1,PLXNC1,PMEPA1,PMM1,PODXL,PPFIBP2,PRDM1,PRDX4,PSME4,PTAFR,PTGS2,PTK2,PTPRK,PXN,RAB31,RAB5IF,RACGAP1,RARG,RASGRP1,RASSF1,RBL2,RBMS1,RERE,RFLNB,RHOU,RNH1,RORA,RPN2,RUNX2,RUNX3,RXRA,S100A10,S100A11,S100A4,S100A6,SAMHD1,SEC61B,SELPLG,SEMA3A,SEMA4A,SERP1,SERPINA1,SKIL,SLC13A3,SLC16A3,SLC25A4,SLC3A2,SLC4A1,SLC51B,SLC52A2,SMAD3,SMC4,SMTN,SPIDR,SPRY1,SRI,SRM,ST3GAL6,STAT5B,STK17A,STOML2,TBX21,TFRC,TGFB2,TGFBI,TGFBR2,TGFBR3,TGIF1,TIMP1,TIMP2,TIMP3,TLR2,TLR4,TNF,TOP2A,TPST2,TUBB3,TUBB4B,TXNIP,TYMP,TYMS,UBE2J1,VCAN,VCL,VDR,VEGFA,VIM,WNT10A,XBP1,XYLT1,YWHAE,ZMIZ1,ZWINT,ZYX |
| TCF3 | transcription regulator | 1.83E-20 | turquoise | ADA,AFDN,ANLN,AP3B1,AP3D1,AP4B1,ARHGEF18,AURKA,BACH2,BHLHA15,BID,BIK,BIRC5,C15orf39,CCNA2,CCND2,CD4,CD55,CDCA3,CDKN2C,CEP55,CKAP4,CR2,CRELD2,DSTN,DTX1,DUT,ECT2,EDEM1,EPB42,EPRS,ETS2,FAM129C,FKBP11,FOXO1,GADD45A,GATA3,GFI1,GIMAP4,GRIA1,HCST,HMMR,HS3ST1,HSP90B1,HYOU1,ID2,IGH,IGHM,IGLL1/IGLL5,IL1B,IL7R,KCNN4,KIF11,KIF2C,MANF,MEF2C,MKI67,MZB1,NCAPG,NDC80,NFIL3,NUSAP1,PAFAH1B3,PAX5,PDIA4,PDIA6,PGK1,PLPP5,POU2AF1,PRDM1,PRDX4,PSAP,RAB33A,RACGAP1,RASSF4,RCBTB2,RORA,RPS3A,RRM2,SCN4A,SDF2L1,SEC11C,SEC24D,SLAMF7,SLC35B1,SPC24,SPCS2,SUB1,TNF,TOP2A,TOX,TRAF5,TXNDC11,TXNDC5,TYMS,VSIR,XBP1,XRCC6 |
| XBP1 | transcription regulator | 1.17E-18 | turquoise | APBB2,ARFGAP3,BHLHA15,COPG1,COPZ1,CREB3,CXCL2,CXCL8,DAD1,DDOST,DNAJB11,DNAJC1,DNAJC3,EDEM1,ERO1B,ESR1,FAS,FKBP11,FKBP14,FKBP2,GGCX,HM13,HMOX1,HSP90B1,HSPA5,HYOU1,IRF4,KDELR2,LMAN2,MGAT2,NUCB2,PCYT1A,PDIA4,PDIA6,POU2AF1,PPIB,PRDM1,RABAC1,RPN1,RPN2,S100A6,SDF2L1,SEC11A,SEC11C,SEC23B,SEC24D,SEC61A1,SEC61B,SEC61G,SERP1,SERPINA1,SOD1,SPCS2,SPCS3,SRPRB,SSR1,SSR2,SSR3,SSR4,SURF4,TFDP1,TNF,TRAM1,TXN,TXNDC11,TXNDC5,XBP1,XRCC6,YIF1A,YIPF5 |
| CD40 | transmembrane receptor | 1.85E-18 | turquoise | APOBEC3G,BIK,BIRC3,BIRC5,CCL3,CCL5,CCNA2,CCND2,CD22,CD27,CD38,CD69,CD70,CD80,CD86,CD8A,CDK4,CFLAR,CLEC2D,CR2,CXCL8,DUSP6,EDEM1,ERN1,FAIM,FAS,FCER2,FCGR2B,HSH2D,HSP90B1,HSPA5,ICOSLG/LOC102723996,IGHE,IGHG3,IL13RA1,IL15RA,IL1B,IL1RN,IL2RB,IL4R,IL5RA,IL6R,IRF4,ITGAL,ITGAM,ITGB1,JCHAIN,KLF9,LGALS3,MAP3K14,POU2AF1,PRDM1,PSMB10,PTGS2,REL,SAMSN1,SLAMF7,TBX21,TCL1A,TLR2,TNF,TNFRSF13B,TNFRSF25,TRAF5,VEGFA,XBP1,ZBTB16 |
| CD3 | complex | 1.16E-17 | turquoise | ACTN4,ACTR3,AHR,ALAS1,ANG,ANXA1,AQP3,ATP5F1C,BIRC3,BIRC5,BTG1,BZW1,CALM1 (includes others),CCL3,CCL5,CCND2,CCR1,CD226,CD27,CD4,CD69,CD74,CD80,CD86,CD8A,CDK2AP1,CDK4,CFLAR,CLIP1,COX5A,COX6C,CXCL8,CXCR3,CXCR4,DAD1,EIF1B,EIF4A3,ELK3,ETS2,FAS,FCER1G,FKBP1A,FKBP2,FYB1,GABPB1,GAPDH,GATA3,GFI1,GLDC,GNAS,GZMA,GZMB,GZMK,H2AFY,HAX1,HOMER2,HSP90B1,HSPA5,HSPA8,HSPE1,IGLL1/IGLL5,IL15RA,IL16,IL1B,IL21R,IL2RB,IL32,IL4R,IL7R,IRF4,IRF8,ITGB7,ITPR1,KCNN4,KDELR2,LSP1,LYN,MAPK1,MDH2,MT1G,MTHFD2,NAGA,NAMPT,NDFIP2,NLRP1,OAZ1,ORAI2,P4HB,PA2G4,PABPC4,PAFAH1B3,PDCD5,PDE4A,PDE4D,PDIA4,PGAM1,PLEK,PLIN2,PPA1,PRDX4,PRF1,PSAP,PSMA5,PSMA6,PTGS2,PTP4A2,RAB8A,RANBP2,REL,RHOH,RNF103,RORA,RPS3A,RXRA,S100A11,SEC14L1,SEC61B,SELPLG,SF1,SLC5A3,SMS,SNRPN,SOCS2,SORL1,SRGN,SRPRB,SYT7,TBX21,TCF7,TERF2,TFDP2,TFEC,TFRC,TLR2,TNF,TNFRSF25,TOB2,TOP2A,TRAF5,VDAC3,VEGFA,WEE1,XRCC6,ZBTB32,ZNF76 |
| IFNG | cytokine | 2.55E-17 | turquoise | ABCB1,ADA2,AHR,AIF1,AIM2,APOBEC3G,AQP9,ARFGAP3,ARG1,ARL6IP5,ATG13,ATP1A1,ATP1B1,AUTS2,BACH2,BAK1,BCL2L2,BID,BIRC3,BMP6,BRIP1,BTG1,C5AR1,CAMK4,CAPN3,CAV1,CCL3,CCL5,CCNA2,CCND2,CCR1,CD14,CD163,CD200,CD36,CD38,CD4,CD55,CD63,CD72,CD74,CD80,CD86,CDK4,CEBPA,CEBPB,CEBPD,CERS6,CFLAR,CFP,CIITA,CLEC2D,CLEC7A,CNR1,CSF1R,CSF2RB,CTSC,CX3CR1,CXCL2,CXCL8,CXCR3,CXCR4,CYB561,DAPK1,DDX5,DUSP4,E2F2,ENO1,ETS2,FABP5,FAS,FCER1G,FCER2,FCGR1B,FCGR2A,FCGR2B,FCGR3A/FCGR3B,FCN1,FECH,FFAR1,FGL2,FKBP5,FLT1,FOXO1,FURIN,FZD1,GATA3,GBP4,GLUL,GNAS,GRIA1,GUSB,GZMB,HBEGF,HCAR3,HDAC9,HLA-B,HLA-DMA,HLA-DMB,HLA-DOA,HLA-DOB,HMGA1,HMOX1,HSP90AB1,HSPA5,HSPA8,ICOSLG/LOC102723996,IDE,IDI1,IER3,IFI30,IGFBP4,IGLC1,IL15RA,IL18BP,IL1B,IL1RN,IL32,IL4R,IL6R,IL7,IL7R,IRAK1,IRAK2,IRF4,IRF8,IRGM,IRS2,ITGAL,ITGAM,ITGAV,ITGAX,ITGB1,ITPKB,ITPR1,KCTD12,KLF10,KMO,KYNU,LAMC1,LCP2,LDHA,LGALS3,LIMK1,LIX1,LST1,LY96,LYN,LZTS1,MARCKSL1,MDM2,MIF,MLKL,MMP11,MT1G,MTSS1,MYB,NAMPT,NFE2L1,NLRP3,NR1D1,P2RY14,PAM,PARVG,PFKFB3,PHACTR1,PHGDH,PKM,PLA2G16,PLAUR,PLEK,PPARGC1B,PPIA,PRDM1,PRKCD,PSMA2,PSMA6,PSMB10,PSME2,PTAFR,PTGS2,PTPRB,RAB20,RAP2B,RARRES3,RRAGD,RUNX2,RUNX3,S100A10,S100A8,S100A9,SAMHD1,SEC11A,SEC61A1,SEMA4A,SERP1,SERPINA1,SERPINA5,SLC11A1,SLC16A3,SLC52A2,SLC8A1,SMAD3,SMARCB1,SMTN,SOCS2,SPON1,STAT4,STX11,SYT7,TBX21,TBXAS1,TFDP1,TFRC,TGFB2,TGFBR2,TGFBR3,TGIF1,THEMIS2,TIMP1,TIMP3,TLR2,TLR4,TNF,TNFAIP2,TNFRSF1B,TP63,TPI1,TREM1,TRIM8,TSHR,TXNIP,TYMP,TYROBP,VDR,VEGFA,WARS,YLPM1,ZBTB16,ZYX |
| torin1 | chemical reagent | 2.99E-16 | turquoise | ALDOA,ATP5F1B,ATP5F1E,ATP5ME,ATP5MG,ATP5PD,ATP5PF,ATP6V0E1,ATP6V1D,COX17,COX5A,COX5B,COX6B1,COX6C,COX7A2,COX7B,COX8A,ENO1,GAPDH,GPI,LDHA,NDUFA1,NDUFA2,NDUFA6,NDUFA7,NDUFA9,NDUFAB1,NDUFB10,NDUFB2,NDUFB3,NDUFB7,NDUFB8,NDUFC2,NDUFS5,PGAM1,PGK1,PKM,PPA1,PTGS2,RPS20,SDHB,TPI1,UQCRH |
| RICTOR | other | 5.84E-16 | turquoise | ATP5F1A,ATP5F1B,ATP5F1C,ATP5F1D,ATP5MC2,ATP5MC3,ATP5MG,ATP5PD,ATP5PF,ATP6V0A1,ATP6V1A,ATP6V1D,BSG,CD4,CD69,CFLAR,COX17,COX5A,COX6B1,COX7A2,COX7B,COX8A,FABP5,IL7R,IRS2,MCL1,NDUFA1,NDUFA11,NDUFA2,NDUFA6,NDUFA7,NDUFA9,NDUFAB1,NDUFB10,NDUFB2,NDUFB3,NDUFB4,NDUFB7,NDUFB8,NDUFC2,NDUFS4,NDUFS6,PPA1,PPA2,PRKCB,PRKCE,PSMA1,PSMA2,PSMA3,PSMA5,PSMA6,PSMA7,PSMB10,PSMB2,PSMB3,PSMB6,PSMB7,PSMC2,PSMD13,PSMD14,PSMD8,PSME2,PSME4,PTGS2,RPL10,RPL23,RPL7,RPLP0,RPS11,RPS8,SDHA,SDHB,SEM1,UQCRB,UQCRC1,UQCRQ |
| arsenic trioxide | chemical drug | 7.07E-16 | turquoise | ARID3A,ATP1B1,ATP1B3,ATP5F1D,ATP5MC2,ATP5MC3,ATP6V1A,AURKA,BCAT1,BLVRA,BNIP3L,CFLAR,COX5B,COX6B1,COX7A2,COX7B,CST3,CXCL8,CYP51A1,DNAJB11,ECT2,FAIM,FAS,FDX1,FECH,GCLC,GGT1,GLRX,GLRX2,GSPT1,HMOX1,HSP90AB1,HSP90B1,HSPA5,HSPA8,HSPE1,HYOU1,IDI1,ITGAM,ITGB1,KDELR1,KEAP1,KIF11,LMAN2,MCL1,MT1E,MT1G,MT1X,MT2A,NDFIP2,NDUFA1,NDUFA11,NDUFA13,NDUFA2,NDUFA6,NDUFA7,NDUFB2,NDUFB7,NDUFB8,NDUFC2,NDUFS5,NFE2L1,P4HB,PDIA4,PDIA6,PPA1,PPA2,PTGS2,PTTG1,RAB31,RAB8A,RPN1,RRAS2,RTN4,S100A8,SH3GLB1,SKIL,SMC1A,TFRC,TGIF1,TNF,TP63,TYMS,UQCRQ,VCP,VDAC1,VDR,VEGFA,XBP1 |
| CD40LG | cytokine | 2.91E-15 | turquoise | AHR,AKAP13,ALG3,ANXA7,APOBEC3G,ARID4B,ATF5,BIRC3,BTG1,CCL3,CCL5,CCR1,CD27,CD38,CD63,CD69,CD70,CD80,CD86,CD8A,CFLAR,CFP,CIITA,CLIP1,CLUH,CTSC,CXCL2,CXCL8,CXCR3,CXCR4,CYP1B1,DUSP4,E2F2,FAS,FCER2,FCGR2B,FLT1,FOSL2,FURIN,GADD45A,GZMB,ICOSLG/LOC102723996,ID2,IGHE,IGHG3,IL13RA1,IL1B,IL21R,IL2RB,IL4R,IL7R,IRF4,ITGAM,ITGB7,LMAN2,MARCKS,MARCKSL1,MCL1,MIF,MMP11,MT1E,MT1G,MT2A,NAMPT,NAP1L1,NCOA3,NINJ1,PAWR,PLAUR,PLEK,PMVK,PRDM1,PSMA2,PSMB10,PSME2,PSMG1,PTGS2,PTPN12,REL,RUNX3,SAMSN1,SELPLG,STAT4,SWAP70,TFRC,TGIF1,TNF,TNFAIP2,TNFRSF13B,TNFRSF17,TRADD,TRAF5,TUBB,TYMP,VEGFA,XRCC6,YBX3,ZNF415 |
| imatinib | chemical drug | 2.99E-15 | turquoise | ARID3A,ATP1B1,ATP1B3,ATP5F1D,ATP5MC2,ATP5MC3,ATP6V1A,AURKA,BCAT1,BIRC5,CCNA2,CCND2,CDKN2C,CEBPA,CEBPB,CFLAR,CHEK1,CITED2,COX5B,COX6B1,COX7A2,COX7B,CXCR4,DNAJB11,ECT2,EIF4B,FAIM,FECH,GSPT1,HMOX1,HSP90AB1,HSP90B1,HSPA5,HSPA8,HSPE1,HYOU1,IGKC,IGLC1,IL1B,IL7,IRF4,ITGAM,ITGAX,KDELR1,KIF11,LMAN2,LYN,MCL1,MDM2,MT1E,MT1G,MT1X,MT2A,NDFIP2,NDUFA1,NDUFA11,NDUFA13,NDUFA2,NDUFA6,NDUFA7,NDUFB2,NDUFB7,NDUFB8,NDUFC2,NDUFS5,NFE2L1,P4HB,PDIA4,PDIA6,PLIN2,PPA1,PPA2,PTTG1,RAB31,RAB8A,RPN1,RRAS2,RTN4,SH3GLB1,SMC1A,SOCS2,TFRC,TNF,UQCRQ,VCP,VEGFA |
| CD38 | enzyme | 3.41E-15 | turquoise | AK3,ALDOA,ANXA2,ATP1B1,BNIP3L,CCND2,CD86,CITED2,CKAP4,CRELD2,CRIP1,CSF2RB,ELL2,EPS8,ERO1A,FGL2,GBP4,HIGD1A,HMMR,IFI30,IL5RA,IL6R,ITGB7,JCHAIN,KIAA1147,LGALS3,LRRC8C,MANF,MTDH,NABP1,NFIL3,NT5E,PAX5,PDIA6,PGM1,PKM,PRDM1,PRDX4,PSAT1,RPN1,RRAS2,S100A4,S100A6,SDF2L1,SEMA4A,SLC16A3,SOCS2,SPCS2,ST7,TMED5,TPI1,VIM,XBP1,ZBTB32,ZCCHC18 |
| dexamethasone | chemical drug | 1.33E-14 | turquoise | ABCB1,ABCB4,ABHD2,ACSL1,ACTG1,ACTR3,AGPAT3,AKAP13,ALAS1,ALDH1A1,ALOX5,ANXA1,APOA2,ARRB1,ATP11A,ATP1A1,ATP1B1,ATP2B4,B3GNT5,BAK1,BCKDK,BCL2L2,BIRC3,BIRC5,BSG,BTG1,C12orf42,C5AR1,CALCR,CANX,CARS,CAV1,CCL3,CCL5,CCNA2,CCNC,CCND2,CCR1,CD163,CD36,CD48,CD55,CD59,CD69,CD74,CD80,CD86,CDC42EP3,CDCA7L,CDK4,CDK5,CDV3,CEBPA,CEBPB,CEBPD,CFD,CFL1,CFLAR,CHAD,CKLF,CLEC11A,CLEC4D,CLEC7A,CLIC1,CMTM6,CNN3,COL4A3,CR1,CR2,CREG1,CRH,CRIP1,CRISPLD2,CSF1R,CSNK1A1,CST3,CST7,CX3CR1,CXCL2,CXCL8,CXCR3,CXCR4,CYB561,CYP1B1,CYP51A1,CYSTM1,DAPK1,DLGAP5,DNAJC3,DST,DUSP4,DUT,E2F2,ECT2,EDEM1,EMILIN2,ENO1,ESR2,ETFA,ETS2,EXT1,EYA2,FA2H,FABP5,FAM129A,FAM89B,FBXO32,FCAR,FCER1G,FCGR2B,FDX1,FGL2,FILIP1L,FKBP2,FKBP5,FLNB,FOSL2,FOXO1,FURIN,GAB1,GABBR1,GADD45A,GAPDH,GATA3,GCLC,GGT1,GIMAP5,GLUL,GNAQ,GNS,GOLIM4,GPX1,GRK3,GSTM1,GTF2I,GUK1,GZMA,GZMB,GZMK,HBEGF,HCST,HIPK2,HLA-DMA,HLA-DMB,HLA-DOB,HMGA1,HMGB3,HMMR,HMOX1,HMOX2,HOMER2,HSPA5,HSPA8,HSPA9,ICOSLG/LOC102723996,ID2,IDE,IER3,IFNAR2,IGFBP4,IGHM,IGKC,IL16,IL1B,IL1RN,IL2RB,IL32,IL4R,IL5RA,IL6R,IL7,IL7R,IRAK1,IRF8,IRS2,ISL2,ITGAM,ITGAV,ITGB1,ITGB7,ITPR1,JARID2,KCNK6,KLF9,KLRD1,KNL1,KPNA2,LAMC1,LDHA,LDHB,LDLR,LGALS1,LGALS2,LGALS3,LILRA5,LITAF,LRP8,LSP1,LST1,LYN,MAP3K5,MAPK1,MARCKS,MBD2,MCL1,MCM4,MEF2C,MGST1,MID1IP1,MIF,MS4A6A,MT1G,MT1X,MTHFD1,MTMR1,MYB,NAGA,NCAPH,NDC80,NFE2L1,NFIL3,NLRP3,NR3C1,NREP,NRIP1,NUCB2,P2RY14,PAM,PCBD1,PCDH9,PCSK5,PDCD4,PDE4D,PEBP1,PFKFB3,PGD,PIK3IP1,PILRA,PLA2G16,PLAUR,PLCL2,PLEK,PMM1,PODXL,POU2AF1,PPA1,PPA2,PRKCB,PSAP,PSMA1,PSMA2,PSMB10,PSME2,PTAFR,PTGS2,RACGAP1,RARG,RARRES3,RBL2,RBP7,RGS10,RORA,RPL7,RPLP0,RUNX2,RXRA,S100A10,S100A4,S100A8,S100A9,SAMHD1,SAMSN1,SCARB2,SEC14L1,SEC61A1,SERPINA1,SLC13A3,SLC25A37,SLC26A6,SLC2A5,SLC4A1,SMAD3,SMPDL3A,SMS,SOCS2,SOD1,SPRY1,SRGN,SRM,SSBP3,ST6GAL1,SYNGR4,TAGAP,TBX21,TBXAS1,TFRC,TGFB2,TGFBI,TGFBR2,TGFBR3,TIGD7,TIMP1,TIMP2,TIMP3,TLR2,TLR4,TNF,TNFAIP2,TNFRSF25,TOP2A,TRERF1,TST,TXN,TXNIP,TYMS,UBE2C,UBE2G1,VARS,VCAN,VCL,VCP,VDR,VEGFA,VIM,VMP1,WARS,WDR1,XBP1,ZBTB16,ZMYND11,ZNF395 |
| IL2 | cytokine | 2.15E-14 | turquoise | ABCB4,AHR,ANXA1,APOBEC3G,ARHGAP32,ARHGEF18,ARHGEF7,ATF5,BIRC3,CAMK2N1,CAPN5,CCL3,CCL5,CCND2,CCR1,CD38,CD58,CD59,CD69,CD74,CD80,CD86,CD8A,CDC6,CDK4,CDKN2C,CEBPA,CFLAR,CFP,CHN2,CORO2A,CRH,CSF1R,CSF2RB,CTSC,CX3CR1,CXCL8,CXCR3,CXCR4,CXCR5,DAP,DAPK1,DAPK2,DUSP4,DUSP6,DUSP7,EPHA4,EXOSC9,FAS,FCER1G,FCGR3A/FCGR3B,FGL2,FOXO1,GAPDH,GATA3,GFI1,GNAQ,GPSM1,GZMA,GZMB,GZMK,HAVCR2,HCST,HSP90B1,HSPA5,IDI1,IER3,IGFBP4,IKZF2,IL18BP,IL1B,IL2RB,IL4R,IL7R,IRF4,ITGB1,ITGB7,JAML,KLRD1,LCP2,LDLR,MAPKAPK3,MMD,MYB,NEAT1,NETO2,NT5E,OSBPL3,PAX5,PDCD2L,PDCD4,PDE4A,PLCB1,PRDM1,PRF1,PTGS2,RFFL,RPL10,RRAS2,RXRA,S100A4,S100A8,SATB1,SELPLG,SLC30A1,SOCS2,SOS2,STAT4,STAT5B,STK17A,SWAP70,TBX21,TFDP2,TGFBR3,TIMP1,TLR2,TNF,TNFRSF10C,TNFRSF13B,TNFRSF17,TNFRSF1B,TPI1,TRAF5,TTN,UBE2W,UPP1,VDAC1,VEGFA,VIM,XBP1 |
| CSF2 | cytokine | 3.21E-14 | turquoise | ABCG1,ACP5,ADA,ADGRE5,ALOX5,ANLN,ANXA1,ARG1,ARRB1,ATXN1,AURKA,BID,BIRC3,BIRC5,BSG,BUB1B,C5AR1,CARD16,CCL3,CCNA2,CCR1,CD14,CD1A,CD33,CD38,CD63,CD69,CD74,CD80,CD86,CD8A,CDCA2,CDCA3,CDCA5,CDKN2C,CIITA,CLEC7A,CSF1R,CSF2RB,CTSC,CXCL2,CXCL8,CXCR3,CXCR4,DUSP6,E2F7,FAS,FCGR2B,FLT1,FOLR2,GADD45GIP1,GRK3,HBEGF,HCAR3,ICOSLG/LOC102723996,ID2,IER3,IL16,IL1B,IL1RN,IL32,IL5RA,IRF4,ITGAM,ITGAX,KIF11,LY96,MCL1,MCM6,MDM2,MKI67,MMD,MNS1,MYB,NACA,NCAPH,NDST1,NLRP3,NUAK2,NUSAP1,PHGDH,PTGS2,PTK2,RACGAP1,REC8,RHOH,RRM2,RRM2B,SLAMF7,SOCS2,TARP,TLR2,TLR4,TNF,TNFRSF1B,TOP2A,TPX2,TREM1,UBE2C,UHRF1,UPP1,VDR,XBP1 |
| MYC | transcription regulator | 4.74E-14 | turquoise | ABCB9,ABCC4,ACTN1,ACTN4,ACVR1,ADARB1,ALDOA,ALOX5,ANXA5,APCDD1,ARG1,ARHGEF7,ATP5IF1,BCAT1,BCOR,BIRC5,BMPR1A,BUB1B,CAMK2N1,CANX,CAPN2,CAPNS1,CAPZB,CAV1,CBX4,CCNA2,CCND2,CD19,CD48,CD69,CD86,CDCA7,CDK4,CEBPA,CEBPD,CFLAR,CHEK1,CHP1,CLUH,CNP,COX5B,COX6B1,CRIP1,CSF1R,CSTB,CXCL8,CYFIP2,DBI,DDX5,DLEU2,DSP,DUSP4,DUSP6,DUSP7,E2F2,EED,EIF4G1,ENO1,EZH2,FABP5,FAM129A,FAS,FBXO32,FECH,FKBP5,FLNA,GADD45A,GAPDH,GBP4,GCLC,GGT1,GLUD1,GLUL,GOT2,GPI,GRPEL1,H2AFZ,HLA-B,HMGA1,HMOX1,HMOX2,HSPA9,HSPE1,ID2,IDH2,IER3,IER5,IGLL1/IGLL5,IL5RA,IQGAP2,IRF4,ITGAL,ITGAM,ITGAX,ITGB1,JARID2,KLF10,LDHA,LDHB,LGALS1,LGMN,LIMS1,LYZ,MAP4,MCL1,MCM6,MDM2,MGAT1,MIF,MIR17HG,MKI67,MRPL12,MTHFD1,MYO1B,NAP1L1,NDUFS4,NFATC3,NUCB1,PA2G4,PAM,PAX5,PDCD4,PDLIM7,PEG10,PERP,PFKFB3,PGAM1,PGK1,PHF20,PIAS2,PKM,PLA1A,PLAUR,PPIA,PRDM1,PRDX3,PRDX4,PSAT1,PTGS2,RANBP2,RARG,RFFL,RPL10,RPL13,RPL23,RPL3,RPL7,RPS20,RPS27,RRM2,RRM2B,S100A10,S100A6,SAT1,SCAMP5,SEMA4A,SERPINA1,SLC11A1,SLC16A1,SLC16A3,SLC16A7,SLC38A1,SLC3A2,SMS,SNRPN,SPN,SRM,ST3GAL3,SYCP3,TAF1D,TAGLN2,TEAD2,TES,TFDP1,TFRC,TGFB2,TGFBR2,TIAM1,TIMP1,TIMP2,TKT,TNF,TP53I3,TPI1,TXN,TXNIP,TYMS,UBE2C,VARS,VEGFA,VIM,WNT7B,YBX3,YME1L1 |
| metribolone | chemical reagent | 5.28E-14 | turquoise | ABCC4,ACTN1,ALDOA,ATP1B1,ATP5F1B,ATP5F1E,ATP5ME,ATP5MG,ATP5PD,ATP5PF,ATP6V0E1,ATP6V1D,BRIP1,CAMKK2,CCNA2,CDC6,CFLAR,CHEK1,COX17,COX5A,COX5B,COX6B1,COX6C,COX7A2,COX7B,COX8A,CXCR4,CYB561,ENO1,FKBP5,FOXO1,FPR1,GAPDH,GPI,HOMER2,HSPA5,JPT1,LDHA,LDLR,MBTPS2,MGLL,NDUFA1,NDUFA2,NDUFA6,NDUFA7,NDUFA9,NDUFAB1,NDUFB10,NDUFB2,NDUFB3,NDUFB7,NDUFB8,NDUFC2,NDUFS5,PDE4D,PGAM1,PGK1,PKM,PMEPA1,PPA1,PPIB,PRKCD,SAT1,SDHB,SMAD3,SMS,SVIL,TBK1,THRAP3,TIMP2,TM9SF2,TNF,TPI1,TXNIP,UAP1,UQCRH,VCAN,VEGFA,WEE1,WIPI1 |
| TCR | complex | 6.85E-14 | turquoise | ABLIM1,AIM2,ALDOA,ATP5F1B,ATP5PD,BACH2,BCAT1,BIRC3,BSG,BTLA,CBLB,CCL3,CCL5,CCR1,CD200,CD27,CD38,CD4,CD69,CD70,CFLAR,CXCL8,CXCR3,CXCR4,CXCR5,ELL2,ENO1,FAS,FLNA,GATA3,GBP4,GFI1,GLUD1,GZMA,GZMB,HSD17B10,HSP90B1,HSPA5,HSPA9,IDH2,IL16,IL4R,IL7,IL7R,IRF4,ITGB7,LAT,LCP2,LDHB,LIME1,LMNB1,MAPK1,MARF1,MCL1,MDH2,N4BP1,NR3C1,P4HB,PA2G4,PDCD4,PDIA4,PGAM1,PGK1,PRDM1,PRELID1,PRF1,PXN,RASGRP1,REL,RPL3,RPL7,RPLP0,RPS17,RPS3A,SCARB2,SDHA,SEMA3A,SKIL,SOCS2,STAT4,TALDO1,TBX21,TLE3,TLR4,TNF,TNFRSF1B,TPI1,TRAF5,UQCRC1,VDAC3,VDR,ZBTB32 |
| camptothecin | chemical drug | 7.53E-14 | turquoise | ABCB1,AEN,ALDOA,ANXA2,APBB2,APPBP2,ASPM,AURKA,BAK1,BCL11A,BID,BIRC3,BIRC5,BNIP3L,CCL3,CCR1,CD200,CD22,CD48,CD59,CD70,CD86,CD93,CDK4,CFLAR,CHEK1,CTNND1,CXCL2,CXCL8,CXCR5,DUSP6,EEF1B2,FAS,FCAR,FCGR2B,FCHSD2,FGL2,FLT1,FNDC3B,FOXO1,FPR1,GADD45A,GAPDH,GDE1,GNAQ,GPHN,GPI,H2AFJ,HBEGF,HCAR3,HIST1H3B,HLA-B,HSPA5,IER5,IL13RA1,IL15RA,IL16,IL1B,IL9R,INPP4A,IQGAP2,ITPR1,KLHL21,LAT,LDLR,LGALS3,LILRA1,LILRB2,LIMK1,LITAF,LST1,MARCKSL1,MCL1,MDM2,MEF2C,MEPCE,MFSD5,MICAL3,MIR22HG,MTMR1,MYB,NLRP1,NR3C1,NUMA1,PDLIM7,PERP,PIK3CA,PIP4K2B,PLCL2,PLIN2,PPFIBP2,PPIA,PPP1R3D,PRKCI,PTGS2,PTP4A2,PTPRK,PYCARD,RBMS1,RDX,RPL3,RRAGD,RRM2,RRM2B,S100A12,SAT1,SH3RF1,SIPA1L1,SKIL,SLC30A1,SORL1,STAT5B,STK17A,STK38L,STX11,TAGLN2,TBL1X,TFRC,TGFBI,TLK1,TLR2,TNF,TNFRSF1B,TP53I11,TP53I3,TRAF5,TRIB1,TUBA4A,TUBB,VAV3,VEGFA,ZHX2,ZNF281,ZNF532 |
| TNF | cytokine | 1.42E-13 | turquoise | AAK1,ACP5,ACSL1,ALOX5,ANK3,ANXA1,APOBEC3B,AQP3,AQP9,ARF4,ARG1,ARHGAP18,ARL6IP5,ATP1A1,ATP2B4,ATP5PF,BCL2L2,BHLHE41,BID,BIK,BIRC3,BIRC5,BLVRA,BMPR1A,BTG1,BUB1B,C5AR1,CARD16,CASTOR3,CAV1,CCL3,CCL5,CCND2,CCR1,CD14,CD163,CD1A,CD200,CD36,CD38,CD4,CD55,CD59,CD69,CD70,CD80,CD86,CDK4,CDKN2C,CEBPA,CEBPB,CEBPD,CERS6,CFD,CFLAR,CIITA,CITED2,CLEC11A,CNP,COL4A3,COTL1,CREB3,CRH,CRISPLD2,CSF1R,CSF2RB,CST7,CTSC,CX3CR1,CXCL2,CXCL8,CXCR3,CXCR4,CXCR5,CYP1B1,CYTH3,DBI,DDX5,DUSP4,DUSP6,EHD1,ELK3,ERN1,ESR1,ETS2,EXT1,FABP5,FAM198B,FAS,FBXO32,FCAR,FCER1G,FCER2,FCGR2B,FFAR1,FLT1,FNBP1,FOSL2,FOXO1,FPR1,GAB1,GADD45A,GATA3,GATD3A/GATD3B,GBP4,GCLC,GNAI3,GPX1,GRIA1,GSPT1,GSTM2,GUSB,HBEGF,HCAR3,HDAC9,HERC1,HEXB,HID1,HIPK2,HLA-B,HLA-J,HMOX1,HSP90AB1,HSP90B1,HSPA5,HSPA8,ICOSLG/LOC102723996,IDE,IDH2,IER3,IFNAR2,IGFBP4,IGKC,IL15RA,IL16,IL18BP,IL1B,IL1RN,IL21R,IL32,IL4R,IL7,IL7R,IRAK2,IRF4,IRF8,IRS2,ITGAL,ITGAM,ITGAV,ITGAX,ITGB1,ITGB7,ITPR1,JARID2,KIF20A,KLF10,KLHL21,KMO,KYNU,LAMC1,LDHA,LDLR,LGALS3,LITAF,LRRC8C,LY96,LYN,MAP3K14,MAPK1,MARCKSL1,MCL1,MEF2C,MGST1,MGST2,MIF,MMD,MT2A,MTDH,MYL6,NAMPT,NINJ1,NLRP3,NOTCH4,NR3C1,NRIP1,NSD2,NUAK2,NUCB2,OLFML2A,OTUD7B,OVOS2,P4HB,PCYT1A,PDE7B,PDIA4,PHGDH,PILRB,PKM,PLA1A,PLA2G16,PLAUR,PLD3,PLIN2,PLXDC2,PLXNB2,POU2AF1,PPARGC1B,PRDM1,PRKCD,PSMA2,PSMB10,PSME2,PTGS2,PTPN12,PYCARD,QKI,RAB32,RARRES3,REL,RNASE4,RNF149,RORA,RPS11,RRM2,RRM2B,RUNX2,RXRA,S100A8,S100A9,SAT1,SCO2,SEC61A1,SELPLG,SLC11A1,SLC1A4,SLC35B2,SLC8A1,SMAD3,SMPDL3A,SND1,SOCS2,SOD1,SRA1,ST3GAL3,ST3GAL6,ST6GAL1,STAT4,STEAP4,SVIL,TALDO1,TBX21,TBXAS1,TFRC,TGFB2,TGFBR2,TGIF1,TIMP1,TIMP2,TIMP3,TLR2,TLR4,TNF,TNFAIP2,TNFRSF1B,TOX,TP53I3,TP63,TRADD,TRAF5,TREM1,TSHZ1,TST,TXN,TXN2,TXNIP,TYMP,UACA,UBE2H,VAV3,VCL,VDR,VEGFA,VIM,VMP1,WNT10A,ZNF318,ZYX |
| 1,2-dithiol-3-thione | chemical reagent | 4.28E-13 | turquoise | ACTG1,AGPAT3,ALAS1,ALDOA,ANG,ARF1,ATP1A1,CA11,CLPTM1L,CREG1,DAD1,DDX50,DNAJB11,DNAJC3,DSTN,DYNLL1,EIF3E,FKBP11,FKBP5,GCLC,GSPT1,GSTM1,HAX1,HM13,HMOX1,HSP90AB1,HSP90B1,IDE,MGLL,NUCB2,PDIA4,PDIA6,PPIB,PRDX1,PSAT1,PSMA1,PSMA2,PSMA5,PSMA6,PSMA7,PSMB2,PSMB3,PSMB6,PSMC2,PSMD13,PSMD14,PSMD8,RPLP0,SEC61A1,SLC35B1,SOD1,SRXN1,TBRG1,TFRC,TMED2,TPI1,TXN,USP14,VCP,XBP1 |
| 5-fluorouracil | chemical drug | 5.43E-13 | turquoise | ALDOA,ANXA2,ATP5F1B,ATP5F1C,ATP5ME,BAK1,BIRC5,BNIP3L,CALU,CANX,CAPNS1,CD80,CD86,CFLAR,COPS8,COX6B1,COX6C,COX8A,CSF1R,CSTB,EIF1,EIF3E,ELOB,FAS,FKBP1A,FOXO1,GAPDH,GOT2,GTF2I,HSP90AB1,HSPA8,HSPE1,IDH2,IL1B,LDHA,MCL1,MDM2,NACA,NDUFA1,OAZ1,PGK1,PKM,POLR2L,PSMA6,PSMA7,PSMB2,PSMB7,PSME2,PTGES3,PTGS2,PTK2,RPL10,RPL23,RPL7,RPS8,SAT1,SERPINB6,SMS,SRM,SSR4,SUB1,TLR4,TPI1,TYMS,UBE2C,YBX3 |
| TNFSF11 | cytokine | 6.24E-13 | turquoise | ACP5,ADGRE1,AHR,AIF1,AK3,AKAP13,AQP9,AURKA,BSG,CALCR,CAPN2,CAV1,CCL5,CCR1,CD14,CD1A,CD300LF,CEBPA,CLEC11A,CSF1R,CSRP1,CXCL8,ECT2,EHD1,ESR1,FAS,FOXO1,FPR1,GCLC,GLRX,HIPK2,HMOX1,HRH2,IER3,IL13RA1,IL15RA,IL1B,IL1RN,IL9R,IRF4,IRF8,ITGAL,ITGAM,ITGAV,ITPKB,JDP2,KEAP1,LAT,LIMK1,MAFB,MARCKSL1,NFATC3,NFIL3,PA2G4,PAG1,PLAUR,PRDM1,PTGS2,PTPRE,RACGAP1,SEL1L,SH3PXD2A,SIGMAR1,SRXN1,TLR2,TLR4,TNF,TNFRSF1B,TSPAN13 |
| filgrastim | biologic drug | 1.84E-12 | turquoise | ACSL1,ALOX5,ANXA1,ARRB1,ATP1A1,ATP2B4,BIRC3,CCL3,CCL5,CCNC,CD163,CD48,CD55,CD59,CD69,CD74,CDC42EP3,CLEC4D,CLEC7A,CR1,CSF1R,CST3,CST7,CXCL8,CXCR4,CYB561,CYP1B1,CYSTM1,E2F2,EMILIN2,ENO1,ETS2,EXT1,FA2H,FABP5,FCAR,FCER1G,FGL2,FKBP5,GABBR1,GADD45A,GAPDH,GIMAP5,GNS,GOLIM4,GZMA,GZMB,GZMK,HIPK2,HLA-DMB,HMGA1,HSPA9,IGKC,IL2RB,IL32,IL4R,IL5RA,ITGAM,ITGB7,JARID2,KLF9,KLRD1,KNL1,LDHA,LDHB,LDLR,LGALS2,LGALS3,LILRA5,LST1,MEF2C,MS4A6A,MYB,NDC80,NLRP3,P2RY14,PDE4D,PFKFB3,PGD,PILRA,PLAUR,PSMB10,PSME2,PTGS2,RBP7,S100A10,S100A4,SAMHD1,SAMSN1,SLC26A6,SMAD3,SMPDL3A,SSBP3,TAGAP,TIGD7,TLR4,TNFAIP2,TNFRSF25,TRERF1,TST,VIM,XBP1,ZMYND11,ZNF395 |
| D-glucose | chemical - endogenous mammalian | 2.23E-12 | turquoise | ABCB1,ABCG1,ACAA2,ACSL1,ACTN1,ADA,ADARB1,ALDOA,ANLN,ANXA1,ARF4,ARNTL,ATF5,ATP2B4,ATP5MC2,BCAT1,BIRC5,CANX,CARS,CAV1,CCND2,CD36,CD55,CD59,CDK4,CDT1,CEBPA,CEBPB,CFLAR,CNR1,CSF1R,CXCL2,CXCL8,CXCR4,DBI,DNAJB11,DNAJC3,ENO1,ERO1A,ERO1B,FABP5,FAS,FBXO32,FFAR1,FKBP2,GAPDH,GLUL,GPI,HMOX1,HSPA5,IL1B,IRS2,ITGB1,ITPR1,KDELR2,KLF10,LAMC1,LDHA,LDLR,LY96,MAFB,MCL1,MDH2,MID1IP1,MIDN,MIF,MSRB1,MYH11,NAMPT,NDUFA1,NDUFB3,NR3C1,PDCD4,PDIA4,PDIA6,PFKFB3,PGAM1,PGK1,PGM1,PKM,PLA2G6,PLAUR,PLCB1,PODXL,PPIB,PRDX3,PRKCB,PTGS2,RAP1B,RDH10,RRM2,RTN3,S100A4,SARS,SDHB,SEC61A1,SLC25A11,SLC25A4,SLC35B1,SLC39A6,SLC3A2,SLC8A1,SOS2,SRM,SSR1,SSR3,STUB1,SVIL,TAGLN2,TALDO1,TFRC,TGIF1,TIMP1,TKT,TLR2,TLR4,TNF,TPI1,TUBB3,TXNIP,VCL,VEGFA,WARS,XBP1,XK |
| BCR (complex) | complex | 2.25E-12 | turquoise | BIK,CCL3,CCNA2,CCND2,CD27,CD300A,CD69,CD80,CD86,CDK4,CFLAR,CLEC2D,CXCR4,CXCR5,FAS,FCER2,FOXO1,GZMB,HLA-DMA,HSH2D,HSP90B1,HSPA5,ICOSLG/LOC102723996,IL2RB,IRF4,ITGB1,KCNN4,KLF9,MCL1,MS4A6A,NAMPT,POU2AF1,PRDM1,PTAFR,PTGS2,REL,S100A10,SLAMF7,TBX21,TCL1A,TNFRSF25,XBP1,ZBTB16 |
| NFE2L2 | transcription regulator | 2.77E-12 | turquoise | ABCB4,ABCC4,ACTG1,AGPAT3,AHR,ALAS1,ALDOA,ANG,APPBP2,ARF1,ATP1A1,CA11,CCL5,CD36,CD86,CDKN2C,CEBPA,CFD,CLPTM1L,CREG1,CXCL2,CXCL8,DAD1,DCTN3,DDX50,DNAJB11,DNAJC3,DSTN,DYNLL1,EIF3E,FKBP5,GCLC,GPX1,GSPT1,GSTM1,GSTO1,HAX1,HM13,HMOX1,HSP90AB1,HSP90B1,HSPA9,HYOU1,IDE,IL1B,IL1RN,IMPDH1,KEAP1,MEF2C,MGLL,MGST1,NFE2L1,NUCB2,PDIA4,PDIA6,PGD,PHGDH,PLIN2,PPIB,PRDX1,PRKCB,PSAT1,PSMA1,PSMA5,PSMA6,PSMA7,PSMB2,PSMB3,PSMB6,PSMD13,PSMD14,PTGS2,PTPRB,RPLP0,SAT1,SEC61A1,SLC1A4,SLC35B1,SOD1,SRGN,SRXN1,TALDO1,TBRG1,TBXAS1,TKT,TMED2,TNF,TPI1,TXN,USP14,VCP,VEGFA,XBP1 |
| cyclosporin A | biologic drug | 1.65E-11 | turquoise | ABLIM1,ALAS1,ANG,ANXA1,ANXA2,ATP1A1,BCAT1,BIRC3,CAV1,CBLB,CCL5,CD14,CD163,CD1A,CD200,CD55,CD80,CD86,CDK4,CFLAR,CR2,CX3CR1,CXCL8,CXCR3,CXCR4,EIF4A3,ELL2,FAS,FCER2,FCGR2A,FKBP5,FLNA,FLT1,FOXO1,FXYD5,GZMA,GZMB,HMOX1,HSPA5,IER3,IL16,IL1B,IQGAP2,IRF4,ITGAL,ITGAV,ITGB7,ITPR1,KLRD1,LAT,LDLR,LGALS3,LYN,MARF1,MDH2,MIF,MYH11,NDFIP2,NR3C1,NRCAM,PA2G4,PAM,PDCD4,PERP,PKM,PRF1,PSMB10,PTGS2,REL,RNF103,RPS17,RUNX2,RXRA,S100A10,S100A11,S100A9,SLC8A1,SMTN,SNRPN,SOD1,SSR4,SYT7,TBX21,TFEC,TGIF1,TIMP1,TLE3,TNF,TTN,TUBB,UPP1,UTRN,VEGFA,VIM,ZNF76 |
| sirolimus | chemical drug | 2.44E-11 | turquoise | ADA,ANXA5,AQP3,ARF1,ARG1,ATP1A1,ATP2B4,ATP5F1C,ATP5MG,ATP6V1A,ATP6V1D,BID,BIRC5,CCND2,CD36,CD80,CD86,CDK4,CEBPA,CEBPB,CFD,CFLAR,CHEK1,CLIC1,COX6B1,COX6C,CREG1,CXCR4,DAD1,DPYSL2,ENO1,FAS,FGF9,FPR1,GATA3,GCLC,GGA2,GRIA1,HLA-B,HLA-DOA,HMOX1,HSP90AB1,HSP90B1,HSPA5,ID2,IDI1,IL16,IL1B,IL4R,IL7,IRS2,LDHA,LDHB,LGALS3,LILRB2,MCL1,MYB,MYH11,NDUFA6,NDUFA9,NR3C1,OAZ1,PDCD4,PGK1,PGM1,PKM,PLAUR,PLIN2,PPIA,PRDX5,PSMA3,PSMA6,PSMB3,PSMB6,PSMB7,PSMD8,RPL10,RPL23,RPL3,RPLP0,RPN2,RPS17,RPS20,RPS27,RPS3A,RPS8,RUNX2,S100A4,SLC3A2,SOD1,TARS,TBX21,TIMP1,TNF,TOP2A,TPI1,TYMS,UCHL1,VEGFA,VIM,VMP1,XBP1 |
| interferon beta-1a | biologic drug | 3.52E-11 | turquoise | ATP5MC3,ATP5ME,ATP5MG,BUB3,CD4,COX5A,COX5B,CSF1R,CST7,CXCR4,ENO1,FCER1G,FKBP1A,FPR1,FYB1,GNLY,GZMB,IGHM,IL16,IL1RN,IL2RB,LGALS1,LILRA2,LILRB3,MRPL20,NDUFA1,NDUFA2,NDUFB2,NFIL3,PFDN5,PGAM1,PGK1,PLAUR,PPIA,RPL3,RPS27,S100A12,S100A9,SERPINA1,TBXAS1,TNFRSF1B,TRADD |
| FOXO3 | transcription regulator | 3.99E-11 | turquoise | ACVR1,AGFG1,AHR,ANXA1,AURKA,BIRC5,BNIP3L,BTG1,BUB1B,CARD16,CAV1,CCND2,CDC42EP3,CDC6,CDK4,CDT1,CEP55,CERS5,CFLAR,CXCL8,CXCR4,DLGAP5,ELOVL5,ESR1,FABP5,FBXO32,FLNB,FOXO1,GADD45A,GCLC,GLUL,GMNN,GPX1,GTF2I,HBP1,IER3,IGFBP7,IKZF2,IRS2,ITGAM,KIF2C,LCP2,MCM4,MEF2C,MKI67,MTHFD2,MXI1,NAMPT,NT5E,PAWR,PIK3CA,PIK3IP1,PRDM1,PRDX3,PRDX5,PRKCD,PTPRB,PTTG1,RBL2,RTN3,RTN4,SATB1,SCO2,SH3GLB1,SKA2,SLC1A4,SOD1,TFDP1,TGFB2,TNF,TNFRSF1B,TPX2,TXN2,TXNIP,UBE2C,VEGFA,VIM,ZWINT |
| APP | other | 5.88E-11 | turquoise | ABCG1,ACTG1,AIF1,ALDOA,ANXA5,APLP2,APPBP2,ARF4,ARG1,ARL6IP5,ARNTL,ATOX1,ATP1B1,ATP5F1A,ATP5F1B,ATP5F1C,ATP5F1D,ATP5PD,ATP5PF,ATP6V1A,BCL2L2,BIK,BMP6,BSG,CAMK2D,CANX,CCL3,CCL5,CCND2,CD59,CD69,CD74,CD86,CDK4,CDK5,CFL1,CFLAR,CITED2,CLIC1,COL18A1,COX5A,COX7A2,CREBBP,CRYM,CSF1R,CSF2RB,CXCL2,CXCL8,CXCR4,CYFIP1,CYFIP2,DBI,DPY19L3,DPYSL2,DSTN,ENO1,ESR1,ETS2,EXT1,FAM49A,FBXW7,FCGR2A,FCGR2B,FKBP1A,FLNA,FZD1,GAB1,GAPDH,GBP4,GOT2,GPI,GRIA1,H2AFJ,H2AFV,HAVCR2,HIPK2,HMGA1,HMOX1,HSP90AB1,HSPA5,HSPA8,HSPE1,IDE,IL1B,IRF4,IRGM,IRS2,ITGAL,ITGAM,KYNU,LDHA,LDHB,LDLR,LGALS3,LIMK1,MAFB,MAPK1,MEF2C,MGAT3,MXI1,NAMPT,NCOA3,NDUFB11,NDUFS4,NDUFS6,NENF,NR1D1,NR3C1,NXPE3,PAX5,PDCD4,PEBP1,PFKFB3,PGAM1,PGK1,PKM,POU2AF1,PPIA,PRDX5,PRKCB,PTGS2,RANBP2,S100A8,SATB1,SIGMAR1,SIRPA,SLC13A3,SLFN13,SMARCA2,SOD1,ST6GAL1,STUB1,SUCLG1,TAGAP,TGFBR2,TLR2,TLR4,TNF,TNFAIP2,TOP2A,TOR3A,TP63,TPI1,TUBA1B,TUBA1C,TUBA4A,TUBB,TUBB3,TUBB4B,TXN,UCHL1,UQCRQ,VCAN,VDAC1,VEGFA,YWHAE |
| AGN194204 | chemical drug | 1.17E-10 | turquoise | ACAA2,ANAPC5,ANXA2,ATP1A1,AURKA,BNIP3L,CAMK2D,CCNA2,CDKN2C,COTL1,CSRP1,CST3,CYP51A1,EED,ELOVL5,EZH2,FDX1,FNBP1,FURIN,GADD45A,GAPDH,GATA3,GFI1,GNAS,H2AFZ,IDI1,IGHM,IL2RB,IL4R,IL7R,IRS2,ITGB7,KIF20A,KIF2C,LGALS1,MAN1A1,MKI67,NRIP1,PDCD4,PLIN2,RGS10,SLC3A2,SMC4,STAT5B,TIMP1,TOP2A,XBP1 |
| CCND1 | transcription regulator | 1.41E-10 | turquoise | ABCC4,AHNAK,AQP3,ASPM,ATP6V0E1,AURKA,BIRC5,BRIP1,CALU,CCNA2,CCND2,CDC6,CDCA2,CDCA7,CDCA7L,CDK4,CDKN2C,CEP55,DTL,E2F7,EEF1B2,ENO1,EPS8,FAM83D,FLNA,H2AFJ,HOMER2,HSPA8,IER3,ITGAV,JPT1,KIF11,KIF20A,KIF2C,KNL1,LASP1,MAP3K5,MARCKS,MBD5,MCM4,MED30,MESD,MNS1,MTMR1,NCAPH,NCOA3,NT5E,PCLAF,PCYT1A,PDCD4,PMEPA1,QKI,RACGAP1,RPL10,RPL13,RRM2,SATB1,SEC61B,SERF2,SLC9B2,STARD4,SVIP,TALDO1,TAPT1,TGFBR2,TIAM1,TNF,TOR3A,TPI1,TPX2,TUBA1B,TUBA1C,TUBB,TYMP,TYMS,UAP1,UHRF1,UTRN,YLPM1,ZFP28 |
| TCF4 | transcription regulator | 1.43E-10 | turquoise | ADA,ARHGEF18,BACH2,BHLHA15,BIRC5,C15orf39,CCNA2,CD55,CDCA3,CEBPA,CEP55,CKAP4,CRELD2,DSTN,DUT,EDEM1,FAM129C,FKBP11,GIMAP4,HCST,HMMR,HSP90B1,HYOU1,ID2,KCNN4,MANF,MKI67,MYB,MZB1,NCAPG,NDC80,PDIA4,PDIA6,PLPP5,PRDM1,PRDX4,RACGAP1,RCBTB2,RRM2,RUNX2,SDF2L1,SEC11C,SEC24D,SLAMF7,SLC35B1,SPC24,SPCS2,SUB1,TRAF5,TXNDC11,TXNDC5,VCAN,VSIR,XBP1 |
| tretinoin | chemical - endogenous mammalian | 1.88E-10 | turquoise | ABCG1,ABHD2,ABLIM1,ACSL1,ADA,ADGRE1,ADGRE2,AFDN,AHNAK,AHR,ALAS1,ALDH1A1,ALOX5,ANXA1,ANXA2,ANXA5,AP1S2,APCDD1,APOA2,AQP9,ARG1,ASB2,ATP1B3,AURKA,BID,BIRC3,BIRC5,BMP6,BMPR1A,BNIP3L,BTG1,C5AR1,CALCR,CALM1 (includes others),CAMK4,CAMKK2,CAPN2,CCL3,CCNA2,CCNC,CCND2,CCR1,CD14,CD36,CD38,CD63,CD70,CD74,CD80,CD86,CD93,CDCA7,CDK4,CDK5,CDKN2C,CEBPA,CEBPB,CFP,CHL1,CHN2,CITED2,CLEC11A,CNR1,COL4A3,COTL1,CREG1,CRH,CSF1R,CSF3R,CSNK1A1,CTNND1,CTSC,CX3CR1,CXCL2,CXCL8,CXCR4,CXCR5,DAD1,DAPK2,DBI,DLGAP5,DSP,DTL,DUSP4,DYNLL1,EHD1,EIF4EBP2,EIF4G1,ELOC,EYA2,FABP5,FAM186A,FCAR,FCER1G,FLT1,FOLR2,FOSL2,GBP4,GDE1,GGT1,GIMAP6,GMNN,GNAS,GPX1,GRIA1,GZMA,HBEGF,HDGF,HLA-B,HLA-DMB,HMGA1,HMOX1,HOTAIRM1,HS3ST1,ID2,IDE,IER3,IGFBP4,IGFBP7,IGHM,IL16,IL1B,IL6R,IRF4,ITGAL,ITGAM,ITGAX,ITGB1,ITGB7,JAML,JCHAIN,KIF11,KIF1B,KLF9,LGALS1,LILRA5,LILRB2,LIMK1,LSP1,LYN,MAFB,MAP3K5,MAP7,MARCKSL1,MCL1,MDM2,MEF2C,MIR17HG,MMP11,MT2A,MTHFD2,MYB,MYO9A,NCOA3,NDUFA13,NDUFB7,NFATC3,NR2F1,NR3C1,NRIP1,PALLD,PAM,PCYT1A,PDCD4,PEG10,PGD,PIK3C3,PLAUR,PLEK,PLIN2,PPM1G,PRKCB,PRKCD,PSMB10,PTAFR,PTGS2,RAP2A,RARG,RARRES3,RBL2,RCBTB2,REC8,REL,RFLNB,RPL10,RPL13,RPL3,RPL7,RPS17,RPS20,RUNX2,RUNX3,RXRA,S100A10,S100A8,S100A9,SAMHD1,SCML1,SHROOM1,SIRPA,SLAMF7,SLC16A1,SLC5A3,SLC9B2,SMAD3,SMOX,SOD1,SRD5A3,SRGN,STAT4,STT3A,SYCP3,TFRC,TGFB2,TGFBI,TGFBR2,TGFBR3,TIMP1,TLR2,TNF,TNFAIP2,TNFRSF1B,TOP2A,TP63,TPCN1,TPI1,TUBB3,TYROBP,UBE2C,VCL,VDR,VEGFA,VIM,VMP1,WNT7B,XBP1,XK,XRCC6,YPEL1,YWHAE,ZBTB16,ZBTB7A,ZFAND5,ZFAND6 |
| beta-estradiol | chemical - endogenous mammalian | 3.6E-10 | turquoise | ABCB1,ABHD5,ABLIM1,ACAA2,ACP5,ACSL1,AFF4,AGO2,AHR,AIF1,ALDOA,AMOTL1,ANXA1,AP3D1,APCDD1,ARG1,ARPC4,ASB2,ATF5,ATP1B1,ATP5F1B,ATP5ME,AURKA,BACE2,BAK1,BCAT1,BID,BIK,BIRC3,BIRC5,BMPR1A,BNIP3L,BSG,BTG1,BUB3,CALCR,CALM1 (includes others),CAMK4,CAV1,CBX6,CCL5,CCNA2,CCND2,CCR1,CD14,CD55,CD69,CD74,CD86,CDC6,CDCA7,CDK5,CDT1,CEBPA,CEBPB,CEBPD,CEMIP2,CHEK1,CITED2,CLEC4D,CNP,CNR1,COCH,COX5A,CREBBP,CSF3R,CSTB,CTNND1,CXCL2,CXCL8,CXCR4,CYP1B1,CYP51A1,CYTH3,DDOST,DDR1,DDX17,DNAJC1,DNAJC3,DSP,DUSP4,DUSP6,DYNLL1,E2F2,EIF3A,ELOC,ENO1,ESR1,ESR2,ETV4,FABP5,FADS3,FAS,FBXO46,FBXW7,FCGR2A,FCGR2B,FGD6,FGF9,FLNB,FLOT1,FMO5,FNBP1,FOSL2,FOXO1,FRS2,FXYD5,GAB1,GADD45A,GALNT1,GCLC,GINS3,GNS,GPX1,GRIA1,GYG1,HBEGF,HBP1,HCST,HDGF,HMOX1,HRASLS2,HS1BP3,HSP90AB1,HSP90B1,HSPA5,HSPA8,HSPA9,ID2,IDE,IDH2,IER3,IFI30,IGFBP4,IL1B,IL4R,IL6R,IL7,IL7R,IRF4,IRS2,ITGAV,KCNN3,KLF10,KLF9,KPNA2,KYNU,LDHA,LDLR,LGALS3,LGALS4,LITAF,LPCAT2,LRP8,LYZ,MCM4,MCM6,MDM2,MDM4,MGLL,MGST1,MIR17HG,MKI67,MMD,MT1G,MT1X,MT2A,MYB,MYL12A,MYO1B,MYOF,NAMPT,NCOA3,NFATC3,NFYA,NR2F1,NR3C1,NRIP1,NSD3,NUCB2,OSBPL3,P4HB,PA2G4,PAM,PAQR7,PCBD1,PDCD4,PDIA4,PGK1,PITPNA,PITPNM2,PKM,PLAUR,PLIN2,PPARGC1B,PPIB,PPM1K,PRKCB,PRKCD,PSAT1,PSMA1,PSMA2,PSMB2,PTGS2,PTK2,PTP4A2,PTPN12,PTPRK,PTTG1,PXN,RAB31,RAPGEF6,RASGRP1,RBL2,RDH10,RDX,RPN2,RPS11,RRM2,RUNX2,RXRA,S100A6,SATB1,SDF2L1,SEMA3A,SERPINA1,SERPINA5,SFXN3,SGCB,SLC13A3,SLC2A4RG,SLC39A6,SLC3A2,SLC8A1,SLC9A3R1,SMAD3,SMPDL3A,SNED1,SOCS2,SOS2,SPCS2,SPN,SPRY1,SSBP2,SSR1,SSR2,SSR3,SYT11,TARS,TGFB2,TGFBR2,TGFBR3,THRB,TIAM1,TIMM13,TIMP1,TIMP2,TIMP3,TLR2,TLR4,TMED9,TMEM131L,TMEM245,TMEM258,TNF,TNFRSF1B,TOP2A,TP53I11,TP53I3,TP63,TPI1,TRAM1,TREML2,TRIB1,TRIM23,TSHR,TTN,TUBG1,TXN,TXN2,TXNIP,TXNL4A,UBE2C,USP53,VAMP1,VAV3,VCAN,VDR,VEGFA,VIM,WNT7B,XBP1,YWHAE,ZNF655,ZYX |
| MAPT | other | 3.83E-10 | turquoise | ABCG1,ACTG1,AIF1,ALDOA,ANXA5,ARF4,ATOX1,ATP1B1,ATP5F1A,ATP5F1B,ATP5F1C,ATP5F1D,ATP5PD,ATP5PF,ATP6V1A,BSG,CAMK2D,CANX,CFL1,COX5A,COX7A2,CRYM,CYFIP2,DBI,DPY19L3,DPYSL2,DSTN,ENO1,FKBP1A,GAPDH,GOT2,H2AFJ,H2AFV,HSPA5,HSPA8,HSPE1,IL1B,MAPK1,NDUFS4,NDUFS6,PEBP1,PGAM1,PGK1,PKM,PPA1,PPIA,PRDX3,PRDX5,SOD1,STUB1,SUCLG1,TNF,TPI1,TUBA1B,TUBA1C,TUBA4A,TUBB,TUBB3,TUBB4B,TXN,UCHL1,UQCRQ,VDAC1,YWHAE |
| IL10 | cytokine | 3.89E-10 | turquoise | ARG1,BMP6,BMPR1A,CCL3,CCL5,CCND2,CCR1,CD14,CD163,CD1A,CD55,CD72,CD80,CD86,CFLAR,CIITA,CLEC7A,CR1,CSF1R,CSF2RB,CX3CR1,CXCL2,CXCL8,CXCR3,CXCR4,ETS2,FAS,FCER1G,FCER2,FCGR2A,FCGR2B,FCGR3A/FCGR3B,FKBP5,FPR1,GZMA,GZMB,HCAR3,HDAC9,HMOX1,IGFBP4,IL1B,IL1RN,IL4R,IL7,IL7R,IRAK1,ITGAL,ITGAM,ITGB7,KLRD1,LGALS1,LILRB2,LZTS1,NT5E,PAM,PHGDH,PRDM1,PTAFR,PTGS2,S100A8,SELPLG,STAT4,TFRC,TIMP1,TLR2,TLR4,TNF,TNFRSF13B,TNFRSF17,TNFRSF1B,TREM1,TUBB4B,VCAN,VEGFA |
| IL3 | cytokine | 5.86E-10 | turquoise | ADA,ADGRE1,ADGRE5,ARG1,ATF5,BIRC3,BNIP3L,CAMKK2,CAPZB,CCND2,CD14,CD1A,CD48,CD63,CD69,CD80,CD86,CITED2,CLEC11A,CSF1R,CSNK1A1,CXCL8,CXCR4,DAD1,FAS,FCER2,FCGR2A,FCGR2B,FOSL2,GADD45A,GNAS,GPX1,GZMA,HBEGF,HDGF,HSP90B1,HSPA5,HSPA9,IL1B,IL5RA,ITGAM,ITGAV,ITGAX,ITGB7,JCHAIN,KIF1B,KLF9,LYN,MCL1,MDM2,NACA,NFATC3,PHGDH,PPM1G,PSMA5,PSMB3,PSMB7,RPL10,RPL13,RPL3,RPL7,RPS17,RPS20,SLAMF7,SLC3A2,SOD1,STAT4,STT3A,TARS,TLR2,TLR4,TNF,VEGFA,XBP1,ZBTB7A,ZFAND5 |
| FAS | transmembrane receptor | 5.98E-10 | turquoise | ANXA2,APPBP2,BCL11A,BID,BIRC3,BIRC5,CCL3,CCL5,CCR1,CD200,CD22,CD48,CD59,CD80,CD86,CD93,CEBPD,CFLAR,COL18A1,CTNND1,CXCL2,CXCL8,CXCR3,FAS,FCAR,FCGR2B,FGL2,FLT1,FOXO1,FPR1,GDE1,HCAR3,IER3,IL13RA1,IL15RA,IL16,IL1B,IL9R,INPP4A,IQGAP2,ITGAV,ITPR1,LAT,LDLR,LGALS3,LILRA1,LILRB2,LST1,MEF2C,MIF,MTMR1,NLRP1,NR3C1,NUAK2,NUMA1,PDLIM7,PIK3CA,PIP4K2B,PLCL2,PLIN2,PPFIBP2,PPP1R3D,PRKCB,PRKCI,PTP4A2,RDX,RRAGD,RUNX2,S100A12,SKIL,SORL1,STK17A,STK38L,TAGLN2,TFRC,TLK1,TLR2,TNF,TNFRSF1B,TRIB1,TUBA4A,VEGFA |
| KRAS | enzyme | 8.03E-10 | turquoise | ABCC4,ACTR3,AEN,AGO2,AHNAK,AHR,ALDOA,APLP2,ARG1,ATP1B1,BAK1,BIRC3,BIRC5,BSG,CAV1,CBX5,CCNA2,CD74,CDT1,CEBPB,COL4A3,CXCL8,DPYSL2,DUSP4,DUSP6,ENO1,EPM2A,ERO1A,ETV4,EZH2,FAS,FKBP11,GADD45A,GAPDH,GBA,GCLC,GGT1,GLUL,GMNN,GTF2I,GZMK,HBEGF,HMGA1,HMOX1,HSPA5,HSPE1,HYOU1,IER3,IL1B,IQGAP2,KCNN4,LDHA,LGALS3,LMNB1,LRP8,LYZ,MDM2,MID1IP1,MMD,MTHFD1,NAB1,NETO2,NR3C1,NT5E,PA2G4,PAIP2,PALLD,PAWR,PIP4K2B,PKM,PLA1A,PPFIBP1,PRDX4,PRKCD,PSMA7,PTGS2,PTK2,PTTG1,QKI,RAB20,RNASE4,RNH1,S100A4,S100A6,SAMHD1,SEC11C,SIRPA,SLC35B1,SLC3A2,TBX21,TCP1,TEAD2,TESC,TGFBR2,TIMP2,TIMP3,TLE3,TNF,TNFAIP2,TOP2A,TRIB1,TUBA4A,UPP1,VCAN,VCP,VEGFA,VIM,VMP1,WEE1 |
| PTGER2 | G-protein coupled receptor | 1.49E-09 | turquoise | ADGRE1,ASPM,AURKA,BUB1B,CCNA2,CEP55,CFP,CLEC4D,CSF1R,CXCL8,CXCR4,ECT2,FPR1,IL1B,ITGAL,KIF11,KIF18B,KIF20A,KIF2C,KLRD1,MKI67,NUSAP1,PABPN1,PILRB,PTGS2,PXN,RACGAP1,TIMP1,TIMP2,TIMP3,TNF,TPX2,TREM1,TROAP,VEGFA |
| hydrogen peroxide | chemical - endogenous mammalian | 1.86E-09 | turquoise | AEN,ALOX5,ANXA2,ATP6V1A,AURKA,BAK1,BANP,BIRC3,BIRC5,BSG,BUB1B,CAV1,CCNA2,CD55,CD59,CD63,CD80,CD86,CDC6,CDKN2C,CFD,CFLAR,CNR1,COX6C,CREBBP,CSF3R,CST3,CUX1,CXCL8,CXCR3,CXCR4,CYP51A1,DUSP4,DUT,EEF1B2,EID1,ETS2,EXOSC9,FAS,FBXO32,GADD45A,GLRX,GPX1,GZMB,HBEGF,HMOX1,HSPA5,IDE,IER5,IL1B,IL32,LDLR,MDM2,MIAT,MIF,NDC80,NFIL3,PDCD4,PDIA4,PFDN5,PLAUR,PPARGC1B,PRDX1,PRKCI,PSTPIP2,PTGS2,PTP4A2,REL,RNF19B,RTN3,RUNX2,RUNX3,SELENOH,SLC30A1,SOD1,SRGN,TFRC,TGFBR3,TLR4,TNF,TNFRSF10C,TUBA4A,TXN,TXNIP,UACA,UQCRH,VDR,VEGFA,VIM,XBP1,XRCC6,ZBTB7A |
| CD28 | transmembrane receptor | 2.31E-09 | turquoise | ACTR3,AHR,ANXA1,ATP5F1C,BTG1,BZW1,CBLB,CCL3,CCND2,CD226,CD27,CD69,CD80,CD86,CDK4,CFLAR,CLIP1,COX6C,CXCL2,CXCL8,CXCR3,CXCR4,DAD1,FCER1G,FKBP2,FYB1,GAPDH,GATA3,GZMA,GZMB,H2AFY,HAVCR2,HAX1,HOMER2,HSPA8,IGLL1/IGLL5,IL15RA,IL1B,IL21R,IL7,IL7R,IRF4,IRF8,ITGAL,ITGB7,KDELR2,LDHA,LSP1,NAMPT,NDFIP2,OAZ1,ORAI2,PDE4A,PDE4D,PGAM1,PPA1,PRDM1,PRDX4,PSMA5,PSMA6,PTGS2,RANBP2,REL,RORA,SEC61B,SLC16A3,SLC5A3,SOCS2,SRGN,SRPRB,TBX21,TCF7,TFRC,TNF,TNFRSF1B,XRCC6 |
| IL6 | cytokine | 2.37E-09 | turquoise | ACVR1,ADGRE1,ADGRE5,AHNAK,AHR,ALAS1,ANG,ANXA1,ARG1,BAK1,BIRC5,BMP6,BUB1B,BUB3,C5AR1,CALCR,CCL5,CCNA2,CCR1,CD14,CD163,CD36,CD38,CD48,CD74,CD80,CD86,CDC6,CEBPA,CEBPB,CEBPD,CFD,CFLAR,CFP,CHEK1,CIITA,CRH,CSF2RB,CSF3R,CST3,CTSC,CX3CR1,CXCL2,CXCL8,CXCR3,CXCR4,CYP1B1,DUSP6,E2F2,EPHA4,ERN1,ESR2,ETS2,ETV4,EZH2,FAS,FCER2,GADD45A,GLRX,GZMB,HLA-DMA,HMOX1,HOMER3,HSPA5,ICOSLG/LOC102723996,ID2,IGFBP4,IGHM,IL1RN,IL4R,IL6R,IL7,IL7R,IRF4,ITGAM,ITGAV,ITGB1,ITPR1,JCHAIN,KIF11,KIF2C,KLRD1,LDLR,LGALS1,LY96,LYZ,MCL1,MIR17HG,MKI67,MMD,MYB,NAMPT,NR3C1,NSD2,NUCB2,PCLAF,PRF1,PSMB10,PSME2,PTGS2,PTTG1,RASSF1,RORA,RRM2,RUNX2,S100A9,SEMA4A,SERPINA1,SH3GLB1,SMOX,SOCS2,SRA1,STAT4,STEAP4,TBC1D9,TBX21,TBXAS1,TFRC,TIMP1,TLR2,TLR4,TNF,TNFRSF17,TNFRSF1B,TNFRSF25,TOP2A,UBE2C,VEGFA,VIM,WARS,WEE1,XBP1 |
| CD 437 | chemical drug | 2.52E-09 | turquoise | ALDOA,AP2S1,ARF1,ARPC2,ATP5F1A,ATP5F1B,ATP5F1C,ATP5MC3,ATP5MG,ATP5PF,CCL5,CDK4,CEBPB,CLIC1,CNR1,COX6C,COX7A2,COX7B,CST7,EIF4B,ENO1,FAS,FKBP5,GADD45A,GNAS,HSPA8,KIF2C,KPNA2,LGALS1,MGST1,NACA,NDUFS5,NOP10,PCLAF,PGAM1,PLP2,RBX1,RPL10,RPL13,RPS17,RPS27,SEM1,SLC25A37,SLIRP,SOD1,SRGN,SSR2,STOML2,TIMM8B,TMEM258,TUBA1B,TXN,UBE2N,UQCRH,WDR45 |
| MYCN | transcription regulator | 2.7E-09 | turquoise | ABCB1,ABCB9,ABCC4,ACTG1,ACTN4,ALDH1A1,ALDOA,ARPC1B,BID,BIRC5,CAV1,CCND2,CIITA,CITED2,CKAP4,COL18A1,DUSP7,E2F2,EED,EZH2,GAPDH,HMGA1,HSP90AB1,ID2,IGFBP7,ITGB1,JARID2,LDHA,LGALS1,MAGT1,MAP4,MDM2,MIR17HG,MXI1,MYL12A,NACA,NUCB1,PDIA4,PHGDH,POLR2L,PSMA7,PSMB6,PSMB7,PTK2,RPL10,RPL13,RPL23,RPL3,RPL7,RPLP0,RPS17,RPS20,RPS27,RPS3A,RPS8,S100A10,SLC16A1,SLC16A7,TIMP2,TMED9,TPI1,TUBA1B,TUBB,UCHL1,VIM,ZFAND5,ZYX |
| Igm | complex | 3.44E-09 | turquoise | BAK1,BIK,BIRC5,CCL3,CCNA2,CCND2,CD22,CD69,CFLAR,CXCL8,EIF4G1,FAS,FCGR2B,GPSM1,IRF4,MCL1,PAX5,PDCD4,PRDM1,PTAFR,RBL2,SAMSN1,TNF,TNFRSF13B,TRAF5,XBP1 |
| mibolerone | chemical drug | 3.63E-09 | turquoise | ACSL1,AHNAK,AHR,ARF4,BMP6,CALU,CD74,CLEC11A,CYP51A1,DAD1,DBI,DNAJB11,FKBP11,FKBP1A,FKBP5,FOSL2,GMNN,GOT2,HEXB,HSP90B1,HSPA5,HYOU1,IDH3G,KLF10,LDLR,NANS,P4HB,PGK1,PPIA,PPIB,RPS27,SARAF,SEC23B,SERP1,SMPDL3A,SRM,TGFBI,TIMP3,TMED3,TOP2A |
| ERBB2 | kinase | 6.21E-09 | turquoise | ABHD5,ACAA2,AHNAK,ALAS1,ANG,ANXA2,APLP2,ASPM,ATP1B3,ATP6V1A,AURKA,BIRC3,BIRC5,BRIP1,BUB1B,CADM1,CCL5,CCNA2,CCND2,CD36,CD59,CDC14B,CDC42EP3,CDC6,CDCA2,CDCA3,CDCA5,CDCA7,CDCA7L,CDKN2C,CDT1,CEBPB,CHEK1,CLEC11A,COL18A1,CRIP1,CSF1R,CXCL8,CYB561,DAAM1,DAP,DTX1,DUSP6,E2F2,E2F7,ELK3,ELL2,ESR1,ESR2,ETV4,FGF9,FLT1,FOXO1,GATA3,GINS2,GINS3,GYG1,GZMH,HBEGF,HOMER2,ID2,IGFBP4,IL1B,IL6R,ITGB1,JCHAIN,KCNN4,LDHA,LGALS1,LGALS3,LITAF,LRRFIP1,MAN1A1,MAP4,MCL1,MCM4,MCM6,MDM2,MGAT5,MIF,MKI67,MMP11,MXI1,NCAPG,NDC80,NDST1,NDUFAB1,NOTCH4,NUCB2,PDCD4,PDGFD,PDIA4,PFKFB3,PGK1,PGM1,PLAUR,PMEPA1,POLD4,POLDIP2,POLR2L,PSMD8,PTGS2,PTPRB,PTPRK,QKI,RAB31,RAB34,RARG,RBL2,RNF149,RRM2,S100A4,S100A6,SEC61A1,SERP1,SIRPA,SMAD3,SMTN,SOCS2,ST3GAL6,STRBP,SYCP3,TGFBI,TGIF1,TIMP3,TNF,TOP2A,TYMS,UBE2C,USP14,VCAN,VCL,VDR,VEGFA,VIM,XBP1,ZWINT |
| ST1926 | chemical drug | 8.29E-09 | turquoise | AP2S1,ARF1,ARPC2,ATP5F1A,ATP5F1B,ATP5ME,ATP5PF,CDK4,CEBPB,CFL1,CHCHD2,CLIC1,COX5B,COX6C,COX7A2,COX7B,DYNLL1,EIF3E,EIF4B,ENO1,FKBP5,GNAS,H2AFZ,KIF2C,KPNA2,LGALS1,MGST1,NACA,NDUFS5,NOP10,PCLAF,RBX1,RPL10,RPL13,RPS27,SEM1,SLC25A37,SLIRP,SOD1,SSR2,TIMM8B,TMEM258,TXN,UQCRB,UQCRH,YWHAE |
| PD98059 | chemical - kinase inhibitor | 1.31E-08 | turquoise | ACTR3,ALDOA,ANXA1,APOBEC3B,APOBEC3G,ARRB1,BIRC5,CAV1,CCL3,CCL5,CCNA2,CCND2,CCR1,CD14,CD36,CD4,CD55,CD69,CD74,CD86,CEBPA,CEBPB,CEBPD,CFLAR,CRH,CXCL2,CXCL8,CXCR4,CYP1B1,DUSP4,DUSP6,E2F2,ENO1,FAS,FKBP5,FURIN,GADD45A,GPI,GRIA1,GTF2I,HBEGF,HMGB3,HMOX1,HSPA5,HYOU1,IER3,IL1B,IL1RN,ITGAM,ITGAV,ITGAX,ITGB1,LAT,LDHA,LDLR,MAPK1,MCL1,MDM2,MGLL,MIF,MKI67,MMD,MMP11,MYH11,NAB1,NINJ1,PAWR,PCYT1A,PLA1A,PLAUR,PTAFR,PTGS2,RAB20,RNASE4,RRM2,RUNX2,S100A10,S100A4,S100A8,SERPINA1,SH2D1A,SIGMAR1,SIRPA,SLC16A7,SLC35B1,SLC3A2,SLC8A1,SMAD3,SOCS2,SOD1,ST6GAL1,TEAD2,TIMP1,TIMP2,TLR2,TNF,TNFRSF13B,TOP2A,TUBA4A,TXN,TXNIP,TYMP,VCAN,VDR,VEGFA,VIM |
| tunicamycin | chemical - endogenous non-mammalian | 1.33E-08 | turquoise | ABCB1,ARF4,BIRC3,CAMKK2,CANX,CD36,CEBPB,CEBPD,COX5B,CXCL2,DNAJB11,DNAJC3,EDEM1,ERN1,ERO1A,ERO1B,FKBP11,HMOX1,HSP90B1,HSPA5,HSPA9,IL1B,LMAN2,LMF1,MANF,MCL1,MTDH,P4HB,PDIA6,PLIN2,PTGS2,S100A4,SDF2L1,SEC11A,SEC24D,SEC61A1,SEC61G,SEL1L,SIGMAR1,SLC35B1,SMARCB1,SPCS2,SSR3,SURF4,TLR2,TMED3,TNF,TXNIP,VEGFA,WARS,XBP1 |
| IL27 | cytokine | 0.000000016 | turquoise | ADGRE1,AHR,CCL3,CCL5,CCND2,CD14,CD163,CD38,CD63,CD69,CD74,CD80,CD86,CDK4,CEBPD,CFLAR,CIITA,CKLF,CR1,CXCL8,GATA3,GZMB,HLA-B,HLA-DMA,HLA-DMB,HLA-DOA,HLA-DOB,IL15RA,IL18BP,IL1B,IL1RN,ITGAM,PRDM1,PTGS2,RARRES3,TBX21,TNF,VIM |
| PSEN1 | peptidase | 1.68E-08 | turquoise | ABCG1,ACSL1,ACTG1,ALDOA,ARF4,ATOX1,ATP1B1,ATP5F1A,ATP5F1B,ATP5F1C,ATP5F1D,ATP5PD,ATP5PF,ATP6V1A,BSG,C11orf1,CAMK2D,CANX,CCL5,CD74,CFL1,COX7A2,COX8A,CRYM,CTSC,CXCL2,CYFIP2,CYP51A1,DBI,DPY19L3,DPYSL2,DSTN,ENO1,EPM2A,FBXW7,FKBP1A,GAPDH,GOT2,H2AFJ,H2AFV,HSPA5,HSPA8,HSPE1,IDE,IL1B,IRF4,LRP8,MAPK1,NDUFS4,NDUFS6,PEBP1,PGAM1,PGK1,PKM,PPIA,PRDX5,PTGS2,SELPLG,SOD1,SRD5A3,STAB1,SUCLG1,TGFBR2,TNF,TPI1,TUBA1B,TUBA1C,TUBA4A,TUBB,TUBB3,TUBB4B,TXN,UCHL1,UQCRQ,VDAC1,WARS,YWHAE |
| Ige | complex | 1.86E-08 | turquoise | ABAT,ACTN1,ALAS1,ALOX5,ANXA1,AQP3,ARG1,ARRB1,ASB2,BCAT1,BIRC5,CAPN2,CAV1,CCL3,CCL5,CCND2,CD74,CD80,CD86,CLEC7A,COL18A1,CXCL2,CXCL8,CXCR5,DUSP4,DUSP6,ELMO1,FAS,FCER1G,FCGR2B,FLT1,HAVCR2,HBEGF,HLA-DMA,HMOX1,HSPA9,IER3,IL1B,IL7R,IRF4,ITGAV,ITGAX,LCP2,MAPKAPK3,MARCKSL1,MDFIC,MGST2,MIF,MMD,NABP1,NAPA,PIK3IP1,PILRA,PIP4K2B,PRDX1,PTGS2,RASGRP1,SERPINB6,SLC11A1,SRM,TFRC,TLR2,TNF,TNFRSF13B,TNFRSF1B,TPST2,TRAF5,VDR,VIM,VMP1 |
| ARNT | transcription regulator | 1.95E-08 | turquoise | AHR,ALDOA,BHLHE41,CAV1,CCND2,CDK4,CITED2,COX6B1,CXCR3,CXCR4,CYP1B1,ENO1,ERO1A,FLT1,FURIN,GAPDH,GPI,GZMH,ID2,IGHM,IRS2,ITGAV,KIF20A,LDHA,MYL6,NDUFS4,OAZ1,PGK1,PRF1,TFRC,TPI1,TUBA4A,UBE2C,VEGFA,VIM |
| pirinixic acid | chemical toxicant | 2.25E-08 | turquoise | ABCB4,ACAA2,ACSL1,ALAS1,ANXA2,ANXA7,APOA2,AQP3,AQP9,ASL,ATP11A,BSG,CCL5,CCNA2,CD200,CD36,CD63,CDK4,CHEK1,CXCL8,DAD1,DBI,DYNLL1,EIF3E,ELOC,ELOVL5,FABP5,FAS,FCER1G,FKBP1A,FURIN,GADD45A,GAPDH,GLUL,GOT2,GRPEL1,HMOX1,HSD17B10,HSPE1,ID2,IL1B,IL1RN,IRF8,ITGAM,KLF10,LDHB,LDLR,LGALS3,LGALS4,MCL1,MGLL,MGST2,NAP1L1,NR1D1,PCSK5,PDCD4,PDCD5,PERP,PGM1,PLIN2,PSMA1,PSMA2,PSMA3,PSMA5,PSMA7,PSMB3,PSMB6,PSMB7,PSMC2,PSMD14,PTAFR,PTGS2,RORA,RTN4,RXRA,SYCP3,TALDO1,THRB,TIAM1,TNF,TXN,USP14,VEGFA,VPS29,WEE1 |
| HRAS | enzyme | 2.42E-08 | turquoise | ACTG1,ADARB1,ADGRE5,ANXA2,ARF1,ATP5F1B,ATP5PF,ATXN1,AURKA,B4GALT3,BAK1,BIRC3,BIRC5,CALU,CAPN2,CAV1,CCL5,CCNA2,CCND2,CD69,CDK4,CEBPB,CEBPD,COL18A1,CREB3,CSRP1,CSTA,CTSC,CXCL8,CXCR3,DUSP6,ELK3,ETV4,FAS,FLNA,FOSL2,FOXO1,FURIN,FZD1,GUSB,HLA-B,HMOX1,HSPA8,ID2,IFI30,IGFBP4,IGKC,IGLL1/IGLL5,IL13RA1,IL1B,IL7R,IQGAP2,ITGAM,ITGAV,ITGB1,JAZF1,LASP1,LPP,LSP1,LYZ,MAPK1,MDM2,MRPL12,MSRB1,MYH11,MYL12A,P4HB,PABPC4,PAFAH1B3,PAWR,PCDHGC3,PCYT1A,PDCD4,PDIA5,PDLIM5,PLAUR,PMEPA1,PRELID1,PRKCB,PRKCD,PRR5,PTGS2,PTPRE,PXN,RASGRP1,RNF19B,RPL23,RPS11,RPS27,RRM2,RTN4,S100A4,SDHA,SELPLG,SEM1,SERP1,SH3RF1,SIRPA,SMAD3,SMARCA2,SOCS2,SOD1,SPON1,SSR3,TGFB2,TIMP3,TNF,TOP2A,TOX2,TP63,TYMP,VCAN,VCL,VEGFA,VIM |
| IL21 | cytokine | 2.45E-08 | turquoise | ARG1,BSG,CCL5,CCND2,CD27,CD38,CD69,CD86,CXCL8,CXCR3,CXCR5,FCER1G,FCGR2B,FGL2,GATA3,GZMA,GZMB,HAVCR2,HCST,HSH2D,ID2,IGHG3,IL21R,IL2RB,IL7R,IRF4,KLRD1,MCL1,MKI67,PAX5,PRDM1,PRF1,RORA,SLFN13,SOCS2,STAT4,TBX21,TLR4,TNF,TYROBP,XBP1 |
| tacrolimus | chemical drug | 2.89E-08 | turquoise | ABLIM1,ATP2B4,CAMKK2,CCL5,CD200,CD36,CD48,CD74,CDK4,CEBPA,CFP,CHN2,CORO2A,CXCL2,CXCL8,CXCR3,CXCR4,DAPK1,DUSP4,ELL2,FKBP5,FLNA,GZMA,GZMB,HOMER2,IGFBP4,IKZF2,IL16,IL1B,IL2RB,IRF4,ITGB7,ITPR1,KLRD1,LAT,MARCKSL1,MARF1,MYH11,NFATC4,NR3C1,NT5E,OSBPL3,PA2G4,PDCD4,PLIN2,PRF1,PRICKLE1,PTGS2,RUNX2,TGFBR3,TIAM1,TLE3,TNF,TNFRSF1B,TNFRSF25,TTN |
| methylselenic acid | chemical reagent | 3.53E-08 | turquoise | ABCC4,ACTN4,ATF5,ATP11A,AURKA,BIRC3,BIRC5,BUB1B,CADM1,CAMK2N1,CAMK4,CCNA2,CDC14B,CDC6,CDK2AP2,CDK4,CDK5,CFLAR,DNAJC3,DPYSL2,DYNLL1,ESR1,ESR2,FKBP5,GADD45A,HMMR,HSP90B1,ID2,KIF11,MANF,MAPK1,MCL1,MCM6,MKI67,NFIL3,NREP,PDIA4,PFDN5,RAB31,RABAC1,RGS10,RRM2,SAT1,SEC24D,SH3BP5,SSBP2,ST7,STX7,TFDP1,TGFBR3,TLR2,TNFRSF25,TOP2A,TUBA4A,TUBB4B,TYMS,UXS1,VEGFA,ZBTB16,ZNF274 |
| calcitriol | chemical drug | 3.72E-08 | turquoise | ABCB1,ABLIM1,ACSL1,AHR,ALOX5,ANLN,ANXA2,ATP5F1D,AURKAIP1,BAK1,BCAT1,BIRC5,BUB1B,CA11,CALCR,CCNA2,CCNC,CD14,CD69,CDC6,CDCA5,CDT1,CEBPA,CEBPB,CEBPD,CFD,COX17,CSF1R,CXCL2,CXCL8,ECT2,ESR1,EZH2,FAS,FCER2,FDX1,FECH,GADD45A,GAPDH,GATA3,GDPD5,GLRX,GLUD1,H2AFZ,HBEGF,HSPA9,ID2,IDH2,IER3,IL1B,IL1RN,IRF4,ISOC2,ITGAM,ITGAX,ITGB7,KCTD12,KIF20A,KPNA2,LGALS1,MCL1,MCM4,MRPL41,MRPS6,NDUFB2,NUSAP1,OLFML2A,PCLAF,PDCD4,PMEPA1,PPA2,PRDX5,PRKCB,PRKCD,PTGS2,RAB1B,RAB32,RACGAP1,REL,RRM2,RXRA,S100A8,S100A9,SERPINA1,SERPINB6,SLC16A1,SLC8A1,SOD1,TAGLN2,TBX21,TGFB2,THEM4,TLK1,TLR2,TLR4,TNF,TP63,TPX2,TSHR,TXN,TXNIP,UXS1,VCL,VDR,VEGFA,WEE1 |
| bortezomib | chemical drug | 3.96E-08 | turquoise | BAG3,BAK1,BIK,BIRC3,BIRC5,BNIP3L,CAV1,CCL5,CCND2,CDK4,CFLAR,CSF2RB,CXCL2,CXCL8,CXCR4,DCAF12,ERN1,ESR1,FAS,FOXO1,GADD45A,HSP90B1,HSPA5,HSPE1,IGHM,IGKC,IL1B,IRF4,KLF9,MAPK1,MCL1,MDM2,PRDM1,PSMA1,PSMA2,PSMA3,PSMA5,PSMA6,PSMA7,PSMB3,PSMB7,PSMD13,PSMD14,PTGS2,SH3BP2,SLC25A37,SRXN1,TNF,UCHL1,UFD1,VEGFA,VIM,XBP1 |
| methylprednisolone | chemical drug | 5.04E-08 | turquoise | ABAT,ABCB4,ACSL1,ALAS1,ALDH1A1,ANXA1,ANXA2,ARG1,ARNTL,ATP1A1,ATP1B1,ATP5F1C,ATP5IF1,BTG1,CAMK1D,CBLB,CD38,CD74,CITED2,CNN3,CNP,CREG1,CROT,CST3,CTSC,DUSP6,DYNLL1,ELOVL5,FABP5,FBXO32,FBXW7,FCGR2A,FGL2,GADD45A,GATM,GCLC,GLUD1,GSTK1,HMOX1,HSD17B10,HSP90B1,IDH2,IL1B,IL1RN,IL6R,INPP4A,IRGM,ITGB1,ITPR1,KLF9,KMO,LDLR,MAFB,MDFIC,MGAT1,MMP11,MTDH,MYO1B,MYO1G,NAA15,NAP1L1,NR3C1,PAQR7,PCYT1A,PGAM1,PLA1A,PLA2G16,PLAUR,PLIN2,PPM1G,PPOX,PSAT1,PSME2,RAB8A,RABEP1,RBL2,RUNX2,SERPINA1,SIRPA,SLC13A3,SLC16A1,SLC16A6,SLC22A7,SLC25A11,SLC30A1,SRI,TFRC,THRB,TIMP3,TLR2,TNF,TOP2A,TUBA1C,TUBA4A,VARS,VIM,VMP1,YBX3,ZYX |
| CEBPA | transcription regulator | 5.09E-08 | turquoise | ABCB1,ACSL1,ANXA1,APCDD1,ARG1,ARL6IP5,ASL,BIK,BTG1,CCL3,CCNA2,CCND2,CCR1,CD14,CD19,CDK4,CEBPA,CEBPB,CEBPD,CFD,CIITA,CKAP4,CREG1,CSF1R,CSF3R,CXCL8,CXCR4,EDF1,FCAR,FLT1,FOXO1,FZD1,GABPB1,GADD45A,GAPDH,GLRX,HCAR3,HLA-B,HMGA1,HMOX1,HSPA5,ID2,IER3,IGFBP4,IGHE,IL1RN,IL6R,IRS2,ITGAL,ITGAM,ITGAX,LGALS1,LITAF,LST1,MSI2,MT2A,NFIL3,PAX5,PGD,PLIN2,PLXND1,PRDM1,PTAFR,PTGS2,PTPRE,QKI,RAB31,RORA,RUNX2,RUNX3,S100A8,S100A9,SECTM1,SMPDL3A,SOD1,STEAP4,TBXAS1,TGFB2,THRB,TIAM1,TRIB1,VCAN,VCL,VDR,ZMIZ1,ZNF296 |
| valproic acid | chemical drug | 6.61E-08 | turquoise | ABCG1,ABHD5,ANK3,ATP11A,ATP2B4,ATP5ME,BIRC5,CACYBP,CCND2,CCR1,CD1A,CD80,CDCA7,CDS2,CEBPA,CHEK1,CHPT1,COCH,CREBBP,CRH,CROT,CXCR4,CYP1B1,CYP51A1,DBI,DNAJB11,DNAJC3,EDEM1,ERN1,ESR1,FAS,FNBP1,FRS2,GINS3,GLUL,GZMB,HMOX1,HSPA5,ID2,IDI1,ITM2C,LDLR,LRP8,MCL1,MCM6,MGAT2,MT1G,MYOF,NFYA,NR3C1,PAQR7,PDIA6,PRKCD,PSMA1,PSMA2,PSMA3,PSMA5,PSMA6,PSMA7,PSMB10,PSMB2,PSMB3,PSMB6,PSMB7,PSMC2,PSMD13,PSMD14,PSMD8,PSME2,PSME4,PTGS2,PXN,RUNX3,S100A4,SEL1L,SEM1,SERP1,SMARCB1,SPCS2,SSBP2,ST3GAL3,TBL1X,TES,THRB,TMEM258,TNF,TOP2A,TUBB3,UBE2H,UTRN,XBP1,ZNF296 |
| CSF1 | cytokine | 6.86E-08 | turquoise | ACP5,ADGRE5,ARG1,BIRC5,CALCR,CCL3,CCL5,CCND2,CD163,CD1A,CDK4,CEBPA,CSF1R,CXCL2,CYP51A1,DUSP4,ENO1,ETS2,FAS,FCER1G,FCGR2A,FCGR3A/FCGR3B,FOLR2,GAB3,GOT2,GPI,HSP90B1,HSPA5,IDI1,IL18BP,IL1B,IRF4,IRF8,ITGAM,ITGAV,ITGB1,JDP2,LDHA,MAFB,PFKFB3,PKM,PMVK,SIRPB1,SLC16A3,STAB1,TLR2,TNF,TNFRSF1B,TPI1,VEGFA,XBP1 |
| STK11 | kinase | 6.93E-08 | turquoise | ACVR1,ADGRE2,ALDOA,ATP5F1C,ATP5F1D,ATP5MC2,ATP5MC3,ATP6V0E1,CCNA2,COX5A,COX6B1,COX7A2,COX8A,CSF3R,DUT,EIF3A,ENO1,ETV4,GADD45A,GAPDH,GFI1,GOT2,GPI,IL2RB,LDHA,MDH2,MRPS15,NDUFA11,NDUFA13,NDUFA2,NDUFA9,NDUFB11,NDUFB7,NDUFC2,NR1D1,NRCAM,NT5E,PAPSS1,PGK1,PGM1,PHGDH,PKM,POLD4,PPA1,PSAT1,PTGS2,RASGRP1,RASSF1,RRM2,SDHB,SORL1,SRM,TALDO1,TARS,TKT,TOP2A,TPI1,TYMS,UQCRC1,UQCRQ,VAV3,VEGFA |
| GATA1 | transcription regulator | 7.19E-08 | turquoise | ABCC4,ACTN1,AFF3,ALOX5,BACH2,BIRC5,BMP6,CBX5,CCL5,CCND2,CCR1,CD36,CDK4,CDKN2C,CEBPA,CIITA,CNN3,CREG1,CXCR3,CYFIP1,DUT,EPB42,ETS2,EZH2,FECH,FYB1,GATA3,GNAS,HIPK2,HSPA9,IL6R,IL7R,IRF8,ITGAX,JAZF1,JDP2,LYZ,MAGED1,MAP3K5,MGST2,MTHFD1,MYB,NCOA7,NFIL3,PHC1,PLEK,PSTPIP2,REL,RPS11,RUNX2,RUNX3,SATB1,SLC3A2,SLC4A1,SRM,SSBP3,ST3GAL6,STAT4,TFDP2,TFRC,TOP2A,UAP1,UHRF1,VDR |
| adenosine | chemical - endogenous mammalian | 0.000000075 | turquoise | BID,CCL5,CD69,CD80,CD86,CX3CR1,CXCL8,CXCR4,GNAS,HMOX1,HSPA5,IL1B,NR3C1,PTGS2,TIMP1,TLR4,TNF,TXNIP,VEGFA |
| ERN1 | kinase | 0.000000112 | turquoise | ANG,ARF4,CEBPB,CEBPD,CXCL2,CYP1B1,DNAJB11,DNAJC3,EDEM1,ERO1A,ERO1B,FAS,FKBP11,HSP90B1,HSPA5,IL1B,LPCAT2,MCL1,PLIN2,SDF2L1,SEC11A,SEC24D,SEC61A1,SEL1L,SLC35B1,SMARCB1,SPCS2,SSR3,SURF4,SYT11,TMED3,TNF,VEGFA,WARS,XBP1 |
| Interferon alpha | group | 0.000000118 | turquoise | ADA2,AIM2,ANXA5,APOBEC3A,APOBEC3B,APOBEC3G,AQP3,AUTS2,BAK1,CCL3,CCL5,CCND2,CCR1,CD38,CD69,CD70,CD80,CD86,CD8A,CIITA,CSF2RB,CXCL2,CXCL8,CXCR3,CYB561,DUSP6,EIF1,FAS,FCGR2B,FOSL2,GATA3,GIMAP4,GZMB,GZMH,HLA-B,IFNAR2,IGFBP4,IGLL1/IGLL5,IL15RA,IL1B,IL1RN,IL21R,IL32,IL4R,IL6R,IL7,IL7R,IRF4,IRF8,ITGAM,ITGB1,ITPR1,MCL1,MDM2,NABP1,NFIL3,NKG7,NT5E,PARVG,PPM1K,PRF1,PRKCE,PTGS2,PYHIN1,RARRES3,RBX1,RNF103,S100A9,SAT1,SLFN13,SOCS2,SPRY1,STAP1,STAT4,TBX21,TLR2,TLR4,TNF,TYMP,TYMS,WARS |
| FOS | transcription regulator | 0.000000128 | turquoise | ABCB1,ACTG1,AFF4,ALAS1,ANK3,AP3D1,APLP2,AQP3,ARF1,ARID3A,ARNT,ASL,ATF7IP,BLMH,CADM1,CALU,CAMK2D,CAPN2,CCL5,CCNA2,CD14,CFLAR,CLIP1,COL18A1,CREBBP,CRH,CSTA,CTNND1,CXCL8,DAP,DAPK2,ENAH,ENO1,EPS8,FOLR2,GBA,HLA-B,HMMR,HMOX1,HSD17B10,HSP90B1,HSPA5,IRS2,ITGB1,KCNN4,KIF1B,LGALS3,LGALS4,LRP8,MDM2,MGAT4A,MGST1,MT2A,NBPF10 (includes others),NFIL3,NOTCH4,NR3C1,NRIP1,PCDHGC3,PIP5K1B,PLAUR,PMEPA1,PRDM1,PRDX1,PRKCE,PSMA2,PSMA7,PSMB3,PTGS2,PTP4A2,PTPN12,PTTG1,QKI,RARG,RNH1,RPLP0,RXRA,S100A10,S100A8,S100A9,SDK1,SEC23B,SEMA3A,SIRPA,STX11,SWAP70,TBL1X,TGFBI,TIMP1,TNF,TREM1,TUBB,TXN,UTRN,VAV3,VEGFA,VIM,WEE1,WNT7B,XYLT1,ZHX2 |
| phorbol myristate acetate | chemical drug | 0.000000135 | turquoise | ABCB1,ALAS1,ANXA1,APOBEC3A,APOBEC3G,ARF1,ARF4,ARG1,ARHGAP32,ARID3B,ATP2B4,AURKA,B3GNT5,BAK1,BIRC3,BIRC5,BMP6,BNIP3L,C5AR1,CA11,CALCR,CAV1,CCL3,CCL5,CCNA2,CCND2,CD14,CD163,CD226,CD36,CD4,CD55,CD69,CD70,CDK4,CEBPA,CFLAR,CIITA,CLEC2D,CR2,CREBBP,CRH,CSF1R,CSF3R,CSTA,CXCL2,CXCL8,CXCR4,DGKD,DNAJC3,DTL,DUSP6,EDF1,EIF4A3,EIF4EBP2,EIF4G1,EPHA4,ESR1,ESR2,ETS2,FAS,FCER1G,FDX1,FKBP5,FLT1,FOSL2,FOXP1,FURIN,FZD1,GATA3,GCLC,GON4L,GPC2,GSTM1,HBEGF,HMGA1,HRH2,HSH2D,HSP90AB1,HSPA5,ICOSLG/LOC102723996,ID2,IL1B,IL1RN,IL32,IL6R,IL7R,IRAK1,IRF4,IRF8,ITGAL,ITGAM,ITGAX,ITGB1,KCNN4,KIF2C,LAT,LDLR,LRRFIP1,LYZ,MCL1,MMP11,MRPL12,MT2A,NCOA7,NDFIP2,NFIL3,NLRP3,NPIPB8 (includes others),PAQR7,PAX5,PDCD4,PDE4D,PDLIM7,PHGDH,PKM,PLAUR,POU2AF1,PPP1R3D,PRDX1,PRF1,PRKCB,PRKCD,PRKCE,PTAFR,PTGS2,PTK2,PTPRB,PTPRE,RAD17,RASGRP1,REL,RHOH,RXRA,S100A10,S100A8,S100A9,SEC61G,SELPLG,SEM1,SERPINA1,SIK3,SLC11A1,SLC16A1,SMAD3,SOD1,SORL1,SPN,SPRY1,SRGN,SRXN1,ST6GAL1,STAT5B,SULT1A1,TBX21,TBXAS1,TEAD2,TEX9,TFDP1,TIMP1,TLR2,TLR4,TNF,TNFRSF13B,TNFRSF1B,TRIM45,TYMP,TYMS,USP14,VCAN,VCL,VDR,VEGFA,VIM |
| cisplatin | chemical drug | 0.000000137 | turquoise | ABCC4,ADGRE1,ANXA1,ANXA2,ANXA5,APOA2,AQP3,ATXN1,BAK1,BHLHE41,BIRC3,BIRC5,BLOC1S2,BNIP3L,CABYR,CAPN2,CAV1,CCL5,CCR1,CD14,CDC14B,CDK5,CEBPA,CFLAR,CHEK1,CLIP4,CORO7/CORO7-PAM16,CTNND1,CXCL8,DMXL2,DUSP6,E2F7,EEF2K,ESR1,ESYT2,FADS3,FAS,FBXW7,FCGR2A,FLT1,FNDC3B,FXYD5,GADD45A,GGT1,GOT2,GRIA1,GSTM1,HDAC9,HIPK2,HMOX1,HSPA5,ID2,IDH2,IER3,IER5,IL1B,IL4R,ITGB1,KATNB1,LDHB,LGALS3,LYZ,MARCKS,MCL1,MDM2,MEGF6,MT1X,MT2A,NINJ1,NOL4L,NREP,NRIP1,PAWR,PBX3,PDE4A,PEBP1,PGM1,PHGDH,PIK3C3,PIK3CA,PLA1A,PLXNB2,PPIA,PSMA1,PSMB10,PTK2,PXN,RABGAP1,RPS27L,RRM2,RRM2B,RXRA,S100A10,S100A11,SAT1,SCO2,SH2D1A,SLC25A4,SLC31A1,SMARCB1,SMOX,SOD1,SSBP2,ST6GAL1,STARD4,STK17A,TES,TGIF1,TIMP1,TIMP3,TLR4,TNF,TNFRSF10C,TNFRSF1B,TOP2A,TP53I3,TP63,TUBB,TXNIP,TYMP,TYMS,UHRF1,UPP1,VIM,XRCC6 |
| SPI1 | transcription regulator | 0.000000164 | turquoise | ADGRE1,ARID3A,BCL11A,BCL7A,CCL3,CCNA2,CCND2,CD14,CD19,CD72,CDK4,CEBPA,CIITA,CSF1R,CSF2RB,CSF3R,DUSP6,E2F2,EPB41L2,ETS2,FCER1G,FCGR2B,FOXO1,GFI1,GPX1,HOTAIRM1,HSPA8,ID2,IGHE,IL1B,IL1RN,IL7R,IRF4,ITGAM,JDP2,LILRB3,LYZ,MCL1,MEF2C,MT1E,MT1G,MT1X,MT2A,MYB,PRDM1,PSMB10,PTGS2,RUNX3,TCP1,TFEC,TLR2,TLR4,TNF,TREM1,VIM |
| TYROBP | transmembrane receptor | 0.000000172 | turquoise | ABCC4,CCL3,CD69,CD86,CXCL8,FCGR2B,GPX1,IL13RA1,IL1B,IRF8,ITGAM,ITGAX,ITGB1,KLRD1,PLEK,RBM47,SAMSN1,SIRPB1,TNF,TNFRSF1B,TYROBP |
| ESR1 | ligand-dependent nuclear receptor | 0.000000172 | turquoise | ABCB1,ABCB9,ABHD2,ABI2,ABLIM1,ACSL1,ADA,AFMID,AHNAK,AKAP13,ALOX5,ANAPC5,ANK3,ANLN,AP2S1,AP3B1,AQP3,AQP9,ARHGAP18,ARHGEF7,ARNTL,ARPC5L,ARRB1,ARSG,ASPM,ATF5,ATG13,ATP11A,ATP1B1,ATP6V1A,AURKA,BCAT1,BCL2L2,BIRC3,BIRC5,BUB1B,BUB3,CAPN2,CAV1,CCNA2,CCNC,CD55,CD59,CD69,CDC42EP3,CDC5L,CDK4,CDK5,CEBPA,CEBPB,CEBPD,CEMIP2,CHEK1,CLEC7A,COPG1,COPZ1,COTL1,CREBBP,CSNK1A1,CTSC,CXCL8,CYFIP1,CYFIP2,CYP1B1,DDX17,DIAPH1,DNAJC1,DNM2,DST,DUSP4,EEF2K,ENAH,ENO1,ESR1,ESR2,FAM186A,FAS,FBXW7,FLNA,FOSL2,FOXO1,GATA3,GGA2,GLRX,GNAQ,GNAS,GYG1,HAX1,HBEGF,HIPK2,HLA-B,HLA-J,HOMER3,HSP90B1,ICOSLG/LOC102723996,IER3,IGFBP4,IL1B,IRAK2,IRF4,IRS2,KCNK6,KIF1B,KIF20A,KISS1R,KLHL9,KNL1,LDLR,LGALS1,LINC00342,MAN1A1,MAP3K14,MAP3K9,MAP7,MAPK1,MARCKS,MDM2,MDM4,MINOS1,MKI67,MMD,MYB,NCAPG,NCAPH,NCOA3,NR1D1,NRCAM,NUCB1,NUP210,NUP88,OBSCN,ODF3B,OVOS2,PALLD,PCBD1,PDCD4,PDCD5,PDE4A,PDE7A,PDGFD,PDLIM5,PHF19,PLAUR,PLCB1,PLIN2,POLD4,PRKCD,PRKCI,PSAT1,PTGS2,PTK2,PTP4A2,PTTG1,RAB31,RABEP1,RANBP2,RAPGEF6,RBL2,RDH10,RDX,RERE,RPS6KA4,RUNX2,S100A9,SAMHD1,SCARB2,SEC14L1,SERPINB6,SETD2,SFXN3,SHROOM1,SIPA1L1,SLC16A1,SLC16A3,SLC1A4,SLC25A4,SLC2A4RG,SLC3A2,SLC44A1,SLC9A3R1,SMAD3,SMC4,SOCS2,SOS2,SRM,SSR3,STAT5B,TBRG1,TERF2,TFRC,TGFB2,THRB,TIMM13,TIMP2,TNF,TNFAIP2,TP53I11,TP53I3,TRAM1,TRIB1,TRIM23,TXNIP,VAV3,VEGFA,VIM,WARS,WEE1,XBP1,XK,YPEL1 |
| FOXO1 | transcription regulator | 0.000000184 | turquoise | AFF3,ALAS1,ANLN,AQP9,ASPM,ATP5F1B,ATP5MC3,ATP5PF,ATP6V0A1,ATP6V1D,BACH2,BANK1,BCL2L2,BID,BIRC3,BIRC5,BRIP1,CAMK4,CAV1,CCNA2,CD36,CD70,CDC42EP3,CDKN2C,CERS5,CFLAR,CITED2,CNR1,CXCL8,DAPK1,DLGAP5,ELOVL5,FABP5,FAS,FBXO32,FLNB,FOXO1,GADD45A,GPI,GSTK1,GZMA,HMOX1,HSP90AB1,HSPA5,HYOU1,IER3,IGFBP7,IGLL1/IGLL5,IKZF2,IL1B,IL7R,IRS2,ITGAM,ITGAV,KIF11,LCP2,MRPL34,MRPL57,MRPS18A,MRPS18C,MXI1,NAMPT,NCAPG,NDUFA7,NDUFA9,NUSAP1,PAX5,PIK3C3,PIK3IP1,PPARGC1B,PRDM1,PRF1,PRKCD,PSMB6,PTPRB,RBL2,RUNX2,SLC25A23,SLC25A37,STAT5B,TBX21,TKT,TNF,TRADD,TXNIP |
| CCL5 | cytokine | 0.000000204 | turquoise | ADGRE5,AHR,AIF1,C5AR1,CAPN2,CCL3,CCL5,CCR1,CD163,CXCL2,CXCL8,CYP1B1,DUSP6,GFI1,HMGA1,IL1B,ITGAM,LIMS1,MAPK1,NAMPT,PLAUR,SOD1,TLR4,TNF,TUBB4B |
| KLF3 | transcription regulator | 0.000000212 | turquoise | ADPGK,AHNAK,ANXA5,ARPC4,BCAP29,BCL2L2,BTLA,CAMK2D,CAPNS1,CD55,CD69,CD93,CFP,CSNK1G3,CTSC,DIAPH1,DOK3,E2F2,EIF4E3,ELMO1,EPRS,FAM49A,FCER2,FMNL3,GALNT1,GFI1,GIMAP8,GPSM1,GSTK1,HBP1,HEXB,HM13,HS3ST1,ITGB7,KBTBD2,KCNK6,LILRB3,LTK,LY96,MAGED1,MGST2,MICU2,MIF,MRPL34,MZB1,NDFIP1,PDCD2L,PDE7A,PIK3IP1,PPM1G,PSMB2,PTP4A2,PTPN14,RASSF1,REEP5,RNF166,SEC24D,SGCB,SMAD3,SMPDL3A,SSBP2,STAT4,SUN1,TES,TRABD,TRIM23,TYROBP,VIM,VPS50,WNT10A |
| CSF3 | cytokine | 0.00000023 | turquoise | ADGRE1,ARG1,ARHGEF10,BIRC3,BIRC5,CCL3,CCL5,CCND2,CD14,CD300LF,CDK4,CEBPA,CEBPB,CSF3R,CST3,CX3CR1,CXCL2,CXCL8,CXCR4,DUSP6,FPR1,GADD45A,GFI1,GNLY,GZMB,GZMH,HMOX1,IL1RN,IL7,ITGAM,LY96,LYZ,MCL1,NFIL3,PRKCB,PRKCE,PYHIN1,TFDP1,TFRC,TLR2,TLR4,TNF,TNFRSF1B,VEGFA |
| resiquimod | chemical drug | 0.000000273 | turquoise | AIF1,ATP5F1A,ATP5F1C,ATP5PF,CCL5,CD70,CD86,CEBPB,CPEB2,CREB5,CSF1R,CXCL2,CXCL8,DENND4C,ETS2,FAS,FCER1G,FCER2,FCGR1B,FCGR2A,FCGR2B,GATA3,GPX1,IER3,IL16,IL1B,IRAK1,IRAK2,MCL1,NAMPT,NLRP3,PKM,PRDM1,PRDX1,PSMB2,PTGS2,PYCARD,STAP1,TBX21,TLR2,TNF,WARS |
| OGA | enzyme | 0.000000274 | turquoise | ABLIM1,ACTG1,ACTN4,APOBEC3G,ARPC4,ATP5ME,ATP5MG,AVEN,BCOR,BRAF,CAMK1D,CAV1,CCR1,CD14,CD36,CD48,CD55,CD86,CD93,CDCA7,CDCA7L,CDK5,CDKN2C,CEBPA,CEBPB,COX6C,CREB5,CSF1R,CSF2RB,CX3CR1,CXCL8,CXCR3,CYFIP2,DST,EPHA4,EPS8,FAS,FGF9,FLNA,FLNB,GADD45A,GALK2,GLUL,HIGD1A,HIPK2,HSDL1,HSP90AB1,IGFBP4,IGFBP7,IL21R,IL6R,ITGB7,ITPKB,JDP2,MDM2,MGLL,NDUFA11,NDUFA13,NDUFA2,NDUFA6,NDUFA9,NDUFB11,NDUFC2,NDUFS4,PLA2G16,PLIN2,PRDX4,PRF1,RAP2A,S100A6,SOCS2,STARD4,TFDP1,TGFBI,TGFBR2,TGFBR3,TIMP1,TIMP2,TIMP3,TRADD,TUBA4A,VIM,VSIG1 |
| TBX21 | transcription regulator | 0.000000325 | turquoise | CD38,CX3CR1,CXCR3,CXCR5,FAM89B,GATA3,GZMA,GZMB,HAVCR2,IL2RB,IL6R,IL7R,KLRD1,NKG7,PRDM1,PRF1,RUNX3,SELPLG,STAT4,TBX21,TGFBR2,ZBTB7A |
| ciprofloxacin | chemical drug | 0.000000383 | turquoise | ABCC4,ACTN1,ADGRE1,ATP5F1A,ATP5F1C,ATP6V1A,ATP6V1D,CCR1,CD86,CD93,CSF2RB,CTSA,DNAJC3,EMILIN2,EPB41L5,GBA,GLUD1,GUSB,HSPA9,ITGAL,ITM2C,LDLR,LGMN,LRPAP1,MAPK1,MYOF,NRCAM,PLXNB2,PSAP,STAB1,VDAC1,VIM |
| TRAP1 | enzyme | 0.000000413 | turquoise | AK3,ATP5F1D,ATP5ME,COX5A,COX5B,COX8A,HSD17B10,HSPE1,MTHFD2,NDUFA11,PKM,PTGS2,SARS,SOD1,TIMM13,TXN2 |
| fluticasone propionate | chemical drug | 0.000000435 | turquoise | ABCG1,ALOX5,AQP9,CCL5,CD163,CD36,CD4,CD74,CD80,CD86,CLEC12A,CXCL2,CXCL8,FCN1,FKBP5,GSTM1,HLA-DMA,HLA-DMB,HLA-DOA,IL18BP,IL1B,IL1RN,IRF8,IRS2,ITGB7,KLF9,LST1,MDFIC,MT1X,MT2A,NAMPT,PLIN2,RARRES3,S100A8,SERPINA1,SLC16A6,SLC2A5,SPRY1,ST6GAL1,TBC1D16,TIMP1,TIMP3,WARS |
| prostaglandin E2 | chemical - endogenous mammalian | 0.000000563 | turquoise | ABCG1,AHR,ANXA2,AQP3,ARG1,BAK1,BIRC3,BIRC5,BTG1,C5AR1,CALCR,CCL3,CCL5,CCR1,CD14,CD55,CD69,CD80,CD86,CEBPB,CEBPD,CST7,CXCL8,CXCR3,CXCR4,DYNLL1,FAS,FLT1,FOSL2,FOXO1,HMOX1,IER3,IGFBP4,IGFBP7,IL15RA,IL16,IL1B,IL1RN,IL7R,IRF4,ITGAM,ITGB1,MAFB,MCL1,MXI1,NFIL3,NT5E,PDE4A,PRDM1,PTGS2,PTK2,RUNX2,S100A8,SOCS2,ST3GAL3,TBX21,TGFBR3,TNF,TREM1,VEGFA,VIM,XRCC6 |
| indomethacin | chemical drug | 0.000000576 | turquoise | ACSL1,ALOX5,ANXA1,ANXA2,BIRC3,BIRC5,BSG,CAPN2,CBX4,CD14,CD55,CEBPB,COX8A,CRH,CSF2RB,CXCR4,DYNLL1,FCGR2A,FLT1,FXYD5,GBA,HMOX1,IER3,IL1B,ITGAM,LDLR,LGALS3,MANF,P4HB,PLA1A,PLAUR,PLIN2,PSMB10,PTGS2,RXRA,S100A10,S100A11,S100A8,TES,TGIF1,TIMP1,TNF,TUBB,UAP1,UPP1,VCAN,VDR,VEGFA,VIM,XRCC6,YWHAE |
| CEBPB | transcription regulator | 0.000000587 | turquoise | ABCB1,ALDH1A1,APCDD1,ARG1,CCL3,CCL5,CCNA2,CCND2,CD14,CDC42EP3,CDC6,CDT1,CEBPA,CEBPB,CEBPD,CFD,CRH,CSF1R,CSF3R,CTSC,CXCL2,CXCL8,CXCR4,DAPK1,DDX5,FAS,FBXO32,FCAR,FZD1,GADD45A,GNAS,GNLY,HMGA1,HSPA8,HSPE1,IER3,IGFBP4,IGHE,IGKC,IL18BP,IL1B,IL1RN,IL7,IRF4,IRS2,ITGAL,LAMC1,LCP2,LDLR,LIX1,LY96,LYN,MMP11,NFE2L1,PLAUR,PLXND1,PRDM1,PRKCD,PSMA3,PSMA6,PTGS2,RIC8B,RORA,RUNX2,SAT1,SEC11A,SERP1,SERPINA1,TMEM176A,TNF,TUBB3,UPP1,VCAN,VDR,VIM,XBP1,ZYX |
| Hbb-b1 | transporter | 0.000000592 | turquoise | ATP5F1C,ATP5MC2,CD74,CEBPA,CIITA,CLEC7A,COX8A,CXCR3,CXCR5,IL16,IL1B,IL2RB,ITGAM,NDUFA11,NDUFA13,NDUFA6,NDUFA7,NDUFA9,NDUFB11,NDUFB4,NDUFB7,NDUFB8,NDUFS4,SDHA,TFRC,TLR2,UQCRC1 |
| ID3 | transcription regulator | 0.0000006 | turquoise | CCL5,CCND2,CCR1,CD72,CDC6,CDKN2C,CEBPB,CSF2RB,CXCL8,CXCR3,CXCR4,CXCR5,DTX1,DUSP4,E2F2,ETS2,FCER1G,FOXO1,HOMER2,ICOSLG/LOC102723996,IGFBP4,IGLL1/IGLL5,IKZF2,IL2RB,IL4R,IL6R,IL7R,IL9R,IRF4,IRF8,JDP2,LGALS1,MAP3K14,MYB,PAWR,PIK3IP1,PIK3R5,PRDM1,PTPN14,REL,RORA,SH2D1A,STAT4,TGFBR3,TNFRSF25,TOX2,TRAF5,ZBTB16 |
| IL12 (complex) | complex | 0.000000622 | turquoise | ADGRE1,AHR,CCL3,CCL5,CD226,CD63,CD69,CD86,CXCL8,CXCR3,FAS,FURIN,GATA3,GZMA,GZMB,HAVCR2,IL18BP,IL1B,IL32,IL7R,IRF4,IRF8,ITGAL,KLRD1,MIF,PDCD4,PRDM1,PRF1,PTGS2,SELPLG,SH2D1A,SMAD3,SOCS2,STAT4,TBX21,TFRC,TGFBR2,TIMP1,TLR2,TLR4,TNF,TNFRSF25,VEGFA |
| PTEN | phosphatase | 0.000000635 | turquoise | ABCC4,ACAA2,ACSL1,AGFG1,ALG3,ANXA1,ARG1,ATL1,ATP5ME,AURKA,BACE2,BIRC5,BTG1,CBX4,CCL5,CCNC,CDK4,CEBPA,CEBPB,CFD,CITED2,CNN3,COX5A,COX8A,CSRP1,CX3CR1,CXCL2,CXCL8,CXCR4,CYB561,DTX1,EED,ESR1,ETS2,FAS,FGF9,FLT1,FOXO1,GGT1,GSPT1,GTF2I,H2AFY,HEXB,HLA-DMA,IDH2,IDH3G,IDI1,IFI30,IL1B,IL4R,IRS2,KIAA0930,KIF1B,LDHB,LGALS3,LIMS1,LRRFIP1,MAPKAPK3,MCL1,MDM2,MKI67,MRPL12,MT2A,NDUFB3,NFIL3,PA2G4,PABPC4,PAPOLA,PDCD4,PFKFB3,PGK1,PGM1,PHGDH,PLXNB2,PRKCB,PTGS2,PTP4A2,PTPRK,PXN,RAB30,RBL2,SAT1,SDHA,SDHB,SMOX,STAT5B,SUCLG1,SURF4,TAF10,TGFBR2,TLE2,TNF,TRADD,TRAM1,VAV3,VEGFA,WDR45,ZBTB16 |
| lactacystin | chemical - protease inhibitor | 0.000000638 | turquoise | ATP1A1,ATP6V0A1,BAG3,BAK1,BIK,CCND2,CD69,CFL1,CFLAR,CLIC1,CXCL8,CXCR4,ESR1,FAS,FOXO1,GATA3,GBA,GCLC,HIST1H2AL,HLA-B,HMOX1,HSP90B1,HSPA5,IRS2,LDLR,MDM2,MMP11,NR3C1,PEBP1,PPIA,PRKCE,PTGS2,PXN,RABIF,RPLP0,RUNX2,SAT1,SLC3A2,SUB1,THRB,TLR2,TNF,TXN,UBE2N,VAV3,VDR |
| NFkB (complex) | complex | 0.000000645 | turquoise | ABCB1,ABCG1,ADGRE1,AHR,B3GNT5,BAK1,BCL11A,BCL2L2,BID,BIRC3,BIRC5,BLVRA,CAMK2D,CAPNS1,CCL3,CCL5,CCND2,CD36,CD69,CD74,CD80,CD86,CD99,CEBPB,CEBPD,CFLAR,CIITA,COL18A1,CREB3,CST7,CXCL2,CXCL8,CXCR4,DAD1,E2F7,ELL2,FABP5,FAS,FCER2,GADD45A,GATA3,GCLC,GNAS,GZMK,HDAC9,HDGF,HLA-DMB,HMOX1,HSPA9,ICOSLG/LOC102723996,IER3,IFNAR2,IGHE,IGHG3,IGKC,IGLL1/IGLL5,IL15RA,IL1B,IL1RN,IL32,IL7R,IRF4,ITGAL,ITGAM,ITGAV,ITGB1,ITPKB,ITPR1,KYNU,LITAF,LSP1,MCL1,MDM2,MTSS1,NAMPT,NCOA7,NR1D1,NUAK2,PRDM1,PRKCD,PTAFR,PTGS2,PXN,REL,RNF19B,RRAS2,SELPLG,SH3RF1,SLC16A3,SLC2A5,SMAD3,STAT4,TFEC,TFRC,TIMP1,TIMP2,TLR2,TLR4,TNF,TNFAIP2,TNFRSF10C,TRIM38,VEGFA,VIM,WNT10A,XRCC6 |
| BRD2 | kinase | 0.000000649 | turquoise | CD300A,CR2,HMOX1,IL1B,IL5RA,IL7R,P4HB,PAWR,PPA1,PRELID1,RPN1,S100A6,SATB1,SLC4A1,STAT4,TARS,TNF,VAV3,WEE1 |
| butyric acid | chemical - endogenous mammalian | 0.000000649 | turquoise | ABCB1,ADGRE5,AFF1,ALDH1A1,ALOX5,ANXA1,ANXA2,ANXA5,ATP2B4,ATP5MC3,BAK1,BIRC5,CALM1 (includes others),CCNA2,CCNC,CCND2,CCR1,CD80,CD86,CDC6,CDK4,CDK5,CFLAR,CREBBP,CXCL8,CXCR4,DAPK1,DDR1,ELK3,ESR1,ESYT2,FURIN,GADD45A,GATA3,GCLC,GGT1,H2AFZ,HDAC9,HDGF,IFI30,IFNAR2,IL18BP,IL1B,IL32,ITGAM,ITGB7,JCHAIN,MCL1,MDM2,MKI67,MT2A,MYB,NAMPT,NFATC4,NUCB1,PAX5,POLR2L,PRDM1,PRDX1,PRKCB,PRKCD,PSAP,PTAFR,PTGS2,RNF141,RXRA,SAT1,SEC61B,STAT5B,TGFBI,TGFBR2,TIMP1,TIMP3,TNF,TNFAIP2,TOP2A,TP53I3,TUBA4A,TYMS,UQCRQ,UTRN,VEGFA,WEE1 |
| ID2 | transcription regulator | 0.000000753 | turquoise | CCL5,CCND2,CCR1,CD19,CDC6,CDK4,CDKN2C,CEBPB,CSF2RB,CXCR3,CXCR4,CXCR5,DTX1,DUSP4,E2F2,ETS2,FCER1G,FOXO1,HOMER2,ICOSLG/LOC102723996,IGFBP4,IKZF2,IL2RB,IL4R,IL6R,IL7R,IL9R,IRF4,IRF8,JDP2,LGALS1,MAP3K14,MYB,PAWR,PIK3IP1,PIK3R5,PTPN14,REL,RORA,SH2D1A,STAT4,TGFBR3,TNFRSF25,TOX2,TRAF5,ZBTB16 |
| emodin | chemical drug | 0.000000856 | turquoise | ABCB1,ARG1,BIRC5,CCR1,CD86,CSF1R,CXCL8,CXCR4,CYP1B1,HLA-DOA,HLA-DOB,HSPA5,IL1B,IRF4,MAP3K5,MKI67,SOD1,TLR4,TNF,VIM |
| SYVN1 | transporter | 0.00000088 | turquoise | ABCC4,AHR,APLP2,ATP1A1,ATP1B3,BCAT1,CALM1 (includes others),CRTAP,CYB561,CYP1B1,EMC7,ERN1,FAS,GGCX,IL7R,IRAK2,ITGAV,ITGB1,KCNN4,LDHB,MYOF,NDFIP2,PODXL,RAB34,RPL10,RPN2,SLC16A1,SLC27A3,SLC30A1,SLC35B2,SLC3A2,SLC43A3,TARS,TFRC,TMEM106B,TRERF1,ZNF281 |
| ATF6 | transcription regulator | 0.000000897 | turquoise | AURKA,CEBPB,DAPK1,DERL3,DNAJB11,DNAJC3,EDEM1,HMMR,HSP90B1,HSPA5,LMF1,MANF,MCL1,NUCB2,PDIA4,PLIN2,SEL1L,SLC35B1,TROAP,UBE2C,VEGFA,XBP1 |
| prostaglandin J2 | chemical - endogenous mammalian | 0.00000102 | turquoise | CFLAR,CXCL8,HMOX1,MYH11,PSMA2,PSMA3,PSMA5,PSMA6,PSMB2,PSMB3,PSMB7,PSMD8,PTGS2,TNF,UBE2H |
| Pam3-Cys | chemical toxicant | 0.00000108 | turquoise | CCL5,CD14,CD163,CD69,CD80,CD86,CXCL2,CXCL8,FPR1,ICOSLG/LOC102723996,IL1B,IL1RN,IRAK1,POU2AF1,TLR2,TLR4,TNF |
| IRF4 | transcription regulator | 0.00000119 | turquoise | ADA,ARG1,CANX,CCNC,CFLAR,CIITA,CX3CR1,CXCR4,DBI,ELL2,FAIM,FCER2,FLT1,GATA3,HSPA8,IKZF2,IL15RA,IL1B,IL1RN,IL7R,IRF4,ITGAL,ITGB1,MANF,PAX5,PLAUR,PPIB,PRDM1,PSMA1,PSMA2,RORA,RPS3A,SUB1,TBX21,TCF7,TNF,UBE2H,XBP1 |
| IGF1R | transmembrane receptor | 0.00000138 | turquoise | ABCC4,ACSL1,ACTN4,ALDOA,ATP5F1A,ATP5F1B,ATP5F1D,ATP5MC3,ATP5MG,ATP5PD,ATP5PF,CALU,CCL5,CD300A,CD36,CD38,CD48,CD93,CEBPA,CEBPB,COL18A1,CTNND1,ESR1,HSPA5,ID2,IGFBP4,IL16,IL1B,IRS2,ITGAM,KIF20A,LASP1,NDUFA1,NDUFA9,NDUFB4,PKM,PTGS2,RACGAP1,RPL3,RPL7,S100A4,SF3B5,TFDP1,TGFBI,TIMP3,TNF,TXN,TYMS,UQCRC1,VEGFA |
| IL13 | cytokine | 0.00000146 | turquoise | ACSL1,ADA,ARG1,ARNTL2,BID,BLVRA,CALCR,CAPN2,CCL3,CCL5,CD14,CD163,CD1A,CD36,CD4,CD48,CD72,CD80,CD86,CEBPA,CEBPB,CHN2,CLEC7A,COL18A1,CTSC,CXCL2,CXCL8,CXCR4,DMXL2,FAS,FCER2,FCGR2A,FCGR2B,FKBP1A,FLOT1,GATA3,HMOX1,HOMER2,IGHE,IL13RA1,IL1B,IL1RN,LILRB2,LILRB3,MAP3K7CL,MCL1,MCUR1,MT1X,MTSS1,NCAPH,PAPSS1,PIEZO1,PLIN2,PLXNC1,PTGS2,RAB33A,RIN2,S100A8,SAMSN1,SERPINA1,SLC16A6,SLC26A6,SLC43A3,SLC8A1,ST3GAL6,SWAP70,TFEC,TFRC,TIMP1,TIMP2,TLR4,TNF,TNFRSF1B |
| IND S1 | chemical - kinase inhibitor | 0.00000161 | turquoise | ATP5F1B,ATP5F1D,CFL1,COPS8,COX5A,ENO1,ETFA,PGAM1,PGK1,PRDX1,PSMA1,TUBB |
| HGF | growth factor | 0.00000161 | turquoise | ABCB4,AHR,AKAP13,ANK3,ARNTL,AURKA,BIRC3,BIRC5,BUB1B,CALCR,CALM1 (includes others),CAV1,CCL5,CD93,CDC6,CDK4,CDKN2C,CFLAR,CHD2,CITED2,CXCL2,CXCL8,CXCR4,DUSP4,DUSP6,DYNLL1,EPHA4,FAM3C,FKBP5,FLNA,FLT1,GAB1,GBA,GMNN,HBEGF,HDGF,HMMR,HMOX1,IGFBP4,IL15RA,IL1B,IL5RA,IRF8,ITGB1,ITPR1,KIF11,KIF2C,KRR1,LDHA,LDLR,LGMN,LRP8,MCL1,MDM2,MKI67,NAMPT,NDC80,NEK3,NRCAM,NRIP1,NUMA1,PGAM1,PGK1,PKD1,PLAUR,PTAFR,PTGS2,PTTG1,RNF103,RUNX2,S100A9,SEMA3A,SKIL,SLC9A3R1,SOCS2,STAB1,TAGLN2,TGFB2,TGFBR2,TIMP1,TIMP3,TNF,TNFAIP2,TNFRSF10C,TP63,TPX2,TRIB1,UBE2C,VDR,VEGFA,VIM |
| MTOR | kinase | 0.00000199 | turquoise | ADPGK,AKAP13,ARNT,ATP5MG,BIRC5,CD86,CEBPA,CEBPB,CEBPD,CFLAR,CITED2,CNP,CTNND1,CXCL2,CXCL8,CXCR4,EIF3A,ELOB,ENO1,EPRS,ETFA,FABP5,FBXO32,FKBP1A,GATA3,GLUD1,GPHN,HSP90AB1,HSP90B1,IL1B,IL2RB,IL4R,IRAK1,IRS2,LDHA,LDHB,MCL1,MDH2,MDM2,NDUFA6,PDE4A,PKM,PPARGC1B,PPIB,PRDX5,RBM5,RPL23,RPS11,RUNX2,SERPINA1,SGCB,SLC16A3,SND1,SOD1,ST6GAL1,TBRG1,TBX21,TLR4,TMLHE,TNF,TNFRSF10C,TNFRSF25,TRADD,TXNIP,UBE2C,UTRN,VEGFA |
| doxorubicin | chemical drug | 0.000002 | turquoise | ABCB1,ABCB4,ABCB9,ANXA1,ANXA2,AURKA,BAK1,BCL2L2,BIK,BIRC3,BIRC5,BNIP3L,BTG1,BUB1B,CAMK2D,CD14,CFLAR,CHEK1,CKAP4,CXCL2,CXCL8,E2F2,EEF1B2,ESR1,FAS,GADD45A,GCLC,HBEGF,HIPK2,HMOX1,ID2,IER3,IGFBP7,IL1B,KIF20A,KMT5A,LGALS3,MAP4,MCL1,MDM2,MEF2C,P4HB,PCLAF,PERP,PLA1A,PMEPA1,PRDX1,PSAP,PSMB10,PTGS2,PTTG1,RBL2,RRM2,RRM2B,S100A10,S100A11,SLC25A4,SMAD3,SOD1,SVIL,TERF2,TES,TIMP1,TNF,TNFRSF10C,TOP2A,TP53I3,TP63,TUBB,TXN,UACA,UBE2N,UPP1,VEGFA,VIM,ZNF281 |
| SATB1 | transcription regulator | 0.00000202 | turquoise | ACTG1,ACTN1,BTLA,CD69,CD86,CD8A,CEMIP2,CLEC2B,CSF3R,DUSP4,ENOSF1,EVI2A,FAM129A,GATA3,GLRX,GPR18,HLA-DMB,HLA-DOB,HSF5,HSPA8,HVCN1,IL16,IL4R,IL7,IL7R,IRF8,ITGB1,LAX1,P2RY8,PIK3IP1,PRKCB,PTGES3,PTGS2,RPLP0,SMAD3,TNF,TUBA4A,UHRF1,VIM,WARS |
| AKT1 | kinase | 0.00000215 | turquoise | ABCB1,ATP5MC3,BIRC3,BIRC5,CCL5,CCND2,CD4,CD69,CD74,CD86,CDK4,CEBPD,CFLAR,CST3,CXCL2,CXCL8,CXCR4,DIAPH1,ENO1,ESR1,FABP5,FAS,FBXO32,FOXO1,FXYD5,GATM,GCLC,GOT2,HAVCR2,HMOX1,IRS2,ITGB1,LDHB,MCL1,MDM2,MT2A,MYB,MYH11,NDC80,NFATC3,PKM,PTGS2,RAB11A,SLC3A2,STUB1,TGFB2,TGFBR3,TIMP1,TNF,TYMS,UBE2C,UBE2L3,VCAN,VCP,VEGFA,VIM,ZWINT |
| IFNA2 | cytokine | 0.00000216 | turquoise | ADGRE1,ALOX5,ANXA1,ATF5,BAG3,BIRC5,CAV1,CCL3,CCL5,CD69,CD70,CD86,CNP,CORO2A,CXCR3,DAD1,FAS,GBP4,GNAS,HBEGF,HIST1H2AL,HLA-B,HSH2D,IFI27L2,IFNAR2,IL1B,IL2RB,LILRB2,LYN,MDM2,MT1G,MT1X,MT2A,NT5E,PTAFR,PTTG1,RARRES3,RASSF1,RBL2,REC8,SAMHD1,SAMSN1,SH2D1A,SOCS2,STAT4,TBX21,THEMIS2,TNF,TRIM14,VEGFA,XBP1 |
| MEL T1 | chemical - kinase inhibitor | 0.00000228 | turquoise | ATP5F1B,ATP5F1D,CFL1,COPS8,COX5A,ENO1,PGAM1,PGK1,PRDX1,PSMA1 |
| CDKN1A | kinase | 0.00000234 | turquoise | ANLN,ASPM,AURKA,BIRC5,BUB1B,BUB3,CCNA2,CDC6,CDK4,CEP55,CHEK1,DLGAP5,DTL,FAS,H2AFZ,HSPA5,IL1B,IL32,ITGAM,ITGAV,KIF20A,KIF2C,LGALS3,MCM4,MCM6,MKI67,NUSAP1,PCLAF,PHGDH,PSAP,RACGAP1,RBL2,SMC4,SSPN,TNF,TOP2A,TP53I3,TPX2,TRIM44,TUBB3,TYMS,UBE2C,UHRF1,VEGFA,VIM,XRCC6,ZBED5 |
| FSH | complex | 0.00000236 | turquoise | ACP5,ACTN1,AHR,AQP3,ARL6IP5,ARPC4,ATP5IF1,BCKDK,BCL11A,BCL2L2,BMPR1A,BNIP3L,CAMK4,CCND2,CD55,CFLAR,CLEC11A,CLIP1,COL18A1,CRYM,CSNK1A1,CTNND1,CXCR4,CYFIP2,DAPK1,ELL2,ESR1,ESR2,FDX1,FILIP1L,FKBP5,FOSL2,FOXO1,GCLC,GDE1,GNAS,GNLY,GZMB,HBP1,IGFBP4,IL1RN,IL6R,ITPR1,KLF10,LDLR,LGALS1,MAP3K5,MAPRE2,MBD2,MCL1,MT1X,MT2A,PAWR,PDXK,PGK1,PKM,PLA1A,PTGS2,PTPRE,RAB31,RAD17,STK17A,TFRC,TGFB2,TGFBR2,TGFBR3,TIMP1,TIMP2,TLK1,TMBIM6,TP53I11,TRIB1,UBE2L3,UPP1,VCL,VEGFA,YBX3 |
| IL12 (family) | group | 0.00000261 | turquoise | ADA2,AQP3,CCL3,CCL5,CD69,CD80,CD86,CFLAR,CXCR5,FCGR3A/FCGR3B,FOSL2,FURIN,GATA3,GIMAP4,GZMB,GZMH,IL1B,IRF4,IRF8,MAPK1,NFIL3,NKG7,PRF1,SAMHD1,SH2D1A,SOCS2,STAT4,TBX21,TNF |
| LONP1 | peptidase | 0.00000277 | turquoise | ANXA2,ATP5F1A,ATP5F1D,ATP5IF1,ATP5PF,CALU,COX5A,COX8A,GLUD1,HSPA9,HSPE1,MDH2,MTHFD2,NDUFA11,P4HB,PGAM1,PTGS2,S100A11,SARS,SOD1,VDAC1 |
| CD5L | transmembrane receptor | 0.00000283 | turquoise | CCL5,CXCL2,IL1B,TLR2,TLR4,TNF |
| raloxifene | chemical drug | 0.000003 | turquoise | BAK1,BIK,CALCR,CBX6,CCL5,CYP1B1,DUSP4,DYNLL1,ESR1,ESR2,FLNB,FMO5,GNS,HMOX1,IDH2,IER3,IFI30,IGFBP4,ITGB1,KYNU,LDLR,LITAF,MIF,MKI67,MMD,MYO1B,NCOA3,PAX5,PTGS2,PTTG1,SMAD3,SOD1,TFRC,TGFB2,TGFBR2,TIMP1,TIMP3,TMEM131L,TNF,TOP2A,TUBA4A |
| curcumin | chemical drug | 0.00000353 | turquoise | ABCB1,ABCG1,ALOX5,ATOX1,BANP,BIRC3,BIRC5,BTN1A1,CAV1,CCL5,CCND2,CD36,CD80,CD86,CDC14B,CDK4,CEBPA,CEBPB,CFLAR,CLIC1,COX7B,CR1,CSNK1A1,CXCL8,CXCR3,CXCR4,DAPK1,ELOB,EZH2,FAS,FOSL2,GABBR1,GLUL,HMOX1,HSP90B1,HSPA8,IGFBP4,IL1B,ITGAM,KLF9,LSP1,MARCKSL1,MCL1,MDM2,MIF,MTHFD1,NAMPT,PTGS2,RUNX2,SOD1,TFRC,TGFBR2,TIMP3,TLR2,TLR4,TNF,TOP2A,UBE2E2,VEGFA,VIM,WEE1,XYLT1,YPEL1 |
| PRDM1 | transcription regulator | 0.00000425 | turquoise | ADA,AIM2,AQP3,CD19,CD22,CD74,CD86,CIITA,CRISPLD2,CXCL2,CXCR4,DBNDD1,ESR1,FCER2,GNLY,GPAT3,IGHM,IL1B,IL7R,IRF4,IRF8,ITPR1,JCHAIN,LGALS1,LIMK2,MAFB,MCL1,MT2A,MTMR11,NLRP3,PAX5,PRDM1,PRF1,PSMB10,RARRES3,S100A8,S100A9,SLC25A37,SLC2A5,SMAD3,SWAP70,TBX21,TNF,TNFRSF13B,TNFRSF17,TRIB1,TRIM38,XBP1 |
| TNFSF13B | cytokine | 0.00000456 | turquoise | CCND2,CD70,CD80,CD86,CDK4,CR2,CXCL8,CXCR5,FCER2,FCGR2B,FOXO1,HLA-DMB,HLA-DOA,HSH2D,ICOSLG/LOC102723996,MAP3K14,MCL1,NAMPT,POU2AF1,PRDM1 |
| CpG oligonucleotide | chemical drug | 0.00000476 | turquoise | AHR,BIRC5,CCR1,CD14,CD36,CD58,CD63,CD80,CD86,CEBPB,CLEC4D,CXCL2,CXCL8,ETS2,FAS,FCGR2B,ICOSLG/LOC102723996,IL1B,ITGAX,LYN,MCL1,POU2AF1,PRKCD,PTGS2,RASSF4,SAMSN1,TLR2,TNF,TNFRSF13B,TNFRSF17 |
| SOX4 | transcription regulator | 0.00000547 | turquoise | ADGRE5,AMOTL1,ARNT,B3GNT5,BIRC5,CAPN2,CD74,CEMIP2,DUSP4,EIF4E3,EVI2A,EZH2,FCER1G,GFI1,GGA2,GLDC,HIPK2,IFI30,IGFBP4,IGKC,KYNU,LYZ,MAGED1,MAP7,MARCKSL1,MGST2,MMP11,NREP,OVOS2,PLEKHA1,PTK2,RNASE4,ST6GAL1,TES,TIAM1,TMEM131L,UCHL1,VIM,VOPP1,ZCCHC18 |
| IND S7 | chemical - kinase inhibitor | 0.00000617 | turquoise | ATP5F1B,ATP5F1D,CALU,COPS8,COX5A,ENO1,ETFA,GLUD1,PGAM1,PGK1,PSMA1,TUBB,VIM |
| ATP-gamma-S | chemical reagent | 0.00000672 | turquoise | BTG1,CCL3,CCR1,CD33,CD55,CD69,CD72,CD86,CD8A,CSF1R,CST7,CXCL2,CXCL8,CXCR4,IL15RA,IL16,IL7R,IRF4,PTGS2,TNF,WARS |
| benzyloxycarbonyl-Leu-Leu-Leu aldehyde | chemical - protease inhibitor | 0.00000686 | turquoise | AGO2,AHR,APOA2,ARNT,ATP1A1,BIRC3,BIRC5,BUB1B,CCL5,CCND2,CDK4,CDT1,CEBPA,CEBPB,CFL1,CFLAR,CLIC1,CXCL2,CXCL8,ESR1,EZH2,FAS,FOXO1,HMOX1,HSP90B1,HSPA5,HSPA8,HSPA9,IER3,IL1B,IRS2,ITGB1,KISS1R,MCL1,MMP11,MYB,NR3C1,PDCD4,PEBP1,PPIA,PRDM1,PSMA3,PSMB3,PSMD13,PTGS2,PXN,RARG,RPLP0,RUNX2,RXRA,SOD1,SUB1,TIMP1,TNF,TREM1,TXN,UBE2N,VDR,VEGFA,YBX3 |
| PGR | ligand-dependent nuclear receptor | 0.00000725 | turquoise | ACP5,ACSL1,ADARB1,AK3,AKAP13,ARNT,ATP1B1,ATXN1,BIRC3,BTG1,CAPN2,CD36,CD59,CDC6,CEBPA,CEBPB,CEBPD,CKAP4,CRH,CSRP1,DPYSL2,DST,DYNLL1,ELL2,ESR1,FAM49A,FAM89B,FKBP5,FOXO1,GATA3,GLUL,GPR160,HBEGF,HSPB11,IER3,IRS2,ITGB1,KCNG1,KLF9,MTSS1,NOP16,PCDHGC3,PFKFB3,PIP5K1B,PTGS2,S100A6,S100A8,SERPINA1,SERPINA5,SIK3,SLC9A3R1,STAT5B,TGFBI,TNF,TRAF5,VCAN,VCL,VDR |
| HNF4A | transcription regulator | 0.00000757 | turquoise | ABCB9,ABCG1,ACAA2,ACSL1,ACTN1,ACTR3,ACVR1,ADPRH,AGTPBP1,AHNAK,AKAP13,ALDH1A1,ANG,ANXA5,AP3B1,AP4B1,APOA2,AQP3,AQP9,ARG1,ARL17A/ARL17B,ASGR2,ATOX1,ATP5MD,ATP6V1D,BRIP1,BTG1,C11orf1,C14orf119,CAMK2D,CAV1,CBX5,CCNA2,CCT8,CD55,CD80,CDC42EP3,CDC5L,CDC6,CDCA5,CDCA7L,CDK2AP2,CDK5,CEBPA,CEBPB,CEBPD,CEP95,CHCHD2,CHP1,CMC2,COPS8,COPZ1,COQ4,COX14,COX17,COX7A2,COX8A,CRIP1,CROT,CTDSPL2,CTSA,CXCL8,CYP1B1,CYP51A1,DAD1,DDOST,DGKD,DHDDS,DTL,DUSP6,EED,EHD3,EID1,EIF4EBP2,EIF4G1,ELMO1,EPPK1,ERG28,ERO1A,FAS,FDX1,FLNA,FLOT1,FOSL2,FOXO1,FURIN,FZD1,GAB1,GAPDH,GATD3A/GATD3B,GGCX,GINS2,GINS3,GNAI3,GNG5,GNS,GOLIM4,GPR160,GPX1,GSPT1,GSTK1,GSTO1,GTF2I,GUSB,GYG1,HBEGF,HBP1,HELQ,HLA-B,HMOX2,HSP90B1,HSPA5,HSPA8,HSPE1,IER5,IFI30,IL2RB,INVS,ISOC2,ITGAL,KIF1B,KIF20A,KRR1,LAMTOR2,LDHA,LDLR,LGALS3,LIMS1,LRIG2,LRRC8C,LYPLA2,MAP7,MDH2,MDM2,MEPCE,MGST1,MGST2,MID1IP1,MRPL15,MRPL22,MRPL34,MRPL49,MRPL57,MRPS15,MRPS18C,MRPS27,MRPS28,MSRB1,MSRB2,MT1X,MT2A,MTHFD1,MYL6,N4BP1,NAA50,NAGA,NAMPT,NAPA,NCOA3,NDC80,NDFIP1,NDUFA1,NDUFA7,NDUFB3,NDUFS4,NFE2L1,NFYA,NOP16,NR1D1,NR2F1,NUAK2,NUCB1,NUDT6,ORMDL2,OTUD7B,P2RY14,PABPN1,PAPOLA,PCBD1,PCYT1A,PDCD4,PDIA5,PEG10,PERP,PGM1,PHPT1,PIK3C3,PKM,PODXL,POLD4,PPFIBP1,PPFIBP2,PPIL1,PPP1R3D,PRDM1,PRDX5,PRKCE,PSAP,PSAT1,PSMA1,PSMA2,PSMA3,PSMA5,PSMB7,PSMD8,PTGES3,PTK2,PTPN12,PTPN18,PTPRE,RAB11A,RAB1B,RAB30,RABAC1,RAD17,RAP2B,RARG,RASSF1,RBL2,RIOK2,RNASE4,RNF44,RORA,RPAIN,RPL10,RPLP0,RPS20,RPS6KA6,RXRA,S100A9,SAMHD1,SDR16C5,SEC11A,SEC11C,SEC24D,SEC61B,SEL1L,SEM1,SERPINA1,SERPINA5,SERTAD3,SF3B5,SH3PXD2A,SLC16A6,SLC31A1,SLC35B1,SLC38A1,SLC39A6,SLC44A1,SLC5A3,SLIRP,SMC1A,SMIM12,SOD1,SPCS2,SPCS3,SRPRB,SSR2,SSR3,STOML2,STT3A,SUCLG1,SULT1A1,TAGLN2,TARS,TBC1D16,TBRG1,TCF7,TFRC,THAP2,THRAP3,TIMP3,TLE3,TM9SF2,TMBIM6,TMEM176A,TMEM208,TMEM245,TMEM258,TOX,TPCN1,TPX2,TRIM23,TTC38,TXN,TXNIP,TYMS,UBE2N,UBE2W,UBL7,UCHL1,UPF3B,VAMP1,VAMP5,VDAC1,VMP1,VPS29,WNT10A,XBP1,YIF1A,ZNF235,ZNF281,ZNF318,ZNF614,ZNF747,ZNHIT1,ZSCAN18 |
| EIF2AK3 | kinase | 0.00000814 | turquoise | ANG,ARNTL,ATF5,BIRC3,CARS,CBX4,CEBPB,CTSC,DNAJC3,EPRS,ERO1A,ERO1B,ETS2,GADD45A,HSPA5,HSPA9,IL1B,NFIL3,PRDM1,SARS,SEL1L,SLC1A4,TARS,TNF,TXNIP,VEGFA,WARS,XBP1 |
| SREBF1 | transcription regulator | 0.00000829 | turquoise | ACSL1,AGMAT,ALDOA,APOA2,ARF4,ATOX1,BHLHE41,C5AR1,CAMK1D,CAPZB,CD14,CDK4,CEBPA,CEBPB,CEBPD,CFD,CHMP2A,CSRP1,CYP51A1,DBI,DBNDD1,DPY19L3,ETHE1,FABP5,FAS,FBXO32,FOXO1,HMOX1,HSPA5,IDI1,IFI30,IGHM,IL1B,IRS2,LDLR,LGALS3,MEF2C,NFIL3,PCYT1A,PLA2G6,PMVK,PTGS2,RPLP0,RPS27,SERPINA1,STARD4,SUCLG1,TNF,TNFRSF1B,TTN,VEGFA |
| miR-124-3p (and other miRNAs w/seed AAGGCAC) | mature microRNA | 0.00000837 | turquoise | ABHD5,ACAA2,AHR,ARPC1B,ATP6V0E1,CAV1,CD59,CDC14B,CDCA7,CDCA7L,CDK4,CEBPA,CHP1,CTNND1,CYP1B1,DNAJC1,DNM2,ELK3,ELOVL5,FA2H,GNAI3,ITGB1,LAMC1,LDLR,LDLRAP1,LITAF,LMNB1,MAGT1,MDFIC,NAA15,NEK6,PDLIM7,PGM1,PHF19,PLP2,PODXL,PTPN12,RARG,RBM47,RBMS1,RDH10,RFFL,SEC11A,SERP1,SERPINB6,SLC16A1,SMCO4,SURF4,SWAP70,UHRF1 |
| SERPINA1 | other | 0.00000939 | turquoise | CD36,CR2,CXCL8,FCER2,HSP90B1,HSPA5,IGHE,IL1RN,LDLR,MCL1,TLR2,TLR4,TNF,VCP,XBP1 |
| allopurinol | chemical drug | 0.00000941 | turquoise | ANXA1,ANXA2,BIRC3,CD14,CD69,FCGR2A,FXYD5,HMOX1,IER3,IL1B,LGALS3,PLA1A,PSMB10,PTGS2,S100A10,S100A11,TES,TGIF1,TIMP1,TUBB,TXNIP,UPP1,VIM |
| dextran sulfate | chemical drug | 0.00000941 | turquoise | ADA,AHR,ANLN,ARG1,AURKA,BIRC5,BUB1B,CCL5,CCNA2,CD14,CD36,CD74,CD80,CD86,CDCA2,CDCA3,CDCA5,COL18A1,CXCL2,CXCL8,E2F7,GADD45GIP1,HMOX1,IL1B,KIF11,LY96,MCM6,MKI67,MNS1,NCAPH,NDST1,NUSAP1,PHGDH,PTGS2,RACGAP1,REC8,RRM2,S100A8,S100A9,TGFB2,TGFBR2,TGFBR3,TIMP2,TLR4,TNF,TNFRSF1B,TOP2A,TPX2,UBE2C,UHRF1,VEGFA |
| IL33 | cytokine | 0.00000968 | turquoise | ABCG1,ARFGAP3,ARG1,ARRB1,ATXN1,BIRC3,CAMKK2,CCL3,CCL5,CD36,CD69,CD70,CD72,CD86,CXCL2,CXCL8,EHD1,ELMO1,FAS,FLT1,GATA3,HMOX1,IL1B,ITGAM,NABP1,NLRP3,PILRA,PLIN2,PTPRK,RASGRP1,RASSF4,REL,S100A8,SKIL,SLC11A1,STX11,TFEC,TIMP1,TLR2,TNF,TNFAIP2,TNFRSF13B,TNFRSF1B,TNFRSF25,VMP1,ZHX2 |
| bryostatin 1 | chemical drug | 0.00000995 | turquoise | ARG1,BIRC3,CCL3,CCL5,CD22,CD80,CD86,CXCL8,CXCR4,IL1B,PRKCB,PRKCD,TBX21,TNF |
| MEL S3 | chemical - kinase inhibitor | 0.00000996 | turquoise | ATP5F1B,ATP5F1D,CALU,COPS8,COX5A,ENO1,ETFA,GLUD1,PGAM1,PGK1,PSMA1,TUBB,VIM |
| ionomycin | chemical reagent | 0.0000102 | turquoise | AHNAK,BID,CCL3,CCND2,CD4,CD69,CD70,CXCL8,DNAJC3,EIF4EBP2,EIF4G1,ETS2,GATA3,GBP4,GRK3,HSPA5,IRF4,ITGAL,JARID2,KCNN4,LAT,LDHA,LDLR,NDFIP2,NFIL3,PAX5,POU2AF1,PRF1,PTAFR,PTGS2,PTPRK,RAD17,SLC3A2,SOCS2,STAT5B,TBX21,TLR2,TNF,TRAF5,ZBTB16 |
| PC-SPES | chemical drug | 0.0000106 | turquoise | ALOX5,ANXA1,CCNA2,CDC6,CDKN2C,DAD1,DCTN3,DSTN,GAPDH,GPI,HLA-B,HSPA5,HYOU1,IL1B,IMPDH1,LAMC1,MGST1,MYL6,P4HB,PA2G4,SDHA,SELENOW,TUBA4A,TXN,TYMS,UBE2C,VIM |
| EP300 | transcription regulator | 0.0000107 | turquoise | BANK1,BIRC5,CAMK2D,CAMK4,CD19,CD36,CD59,CD80,CDC42EP3,CEBPA,CFLAR,CHPT1,CNN3,CORO2B,CRISPLD2,CST7,CXCL8,CXCR4,DTX1,DUSP4,EVI2A,EYA2,FDX1,FNBP1,FNDC3B,FOSL2,FOXO1,GATA3,GFI1,GIMAP4,GIMAP7,GLCCI1,GPR18,GRAMD2B,HLA-B,HMOX1,HSP90AB1,HVCN1,ID2,IL15RA,IL7R,ITGB7,KIF1B,KMO,LDHA,MDM2,MEF2C,MKI67,MMD,MMP11,MYH11,MYO1F,NR3C1,PCYT1A,PERP,PIP5K1B,PLEKHA1,PPFIBP2,PRKCD,PTGS2,RUNX2,SH2D1A,ST6GAL1,STAT4,TBXAS1,TESC,TGFB2,TGFBR2,TLE2,TLR2,TNF,TULP4,TXNIP,UBE2C,UTRN,VEGFA,XBP1,XRCC6 |
| F2 | peptidase | 0.0000117 | turquoise | B3GNT5,BIRC3,BSG,CCNA2,CCND2,CD55,CD63,CFLAR,CKAP4,CLIC1,COTL1,CXCL8,CXCR4,DAAM1,DST,E2F7,EHD4,ELL2,FLT1,FOSL2,HBEGF,HDAC9,HMGA1,HMOX1,IER3,IGFBP4,IL15RA,IL1B,IL32,ITGB1,MAP3K5,MGLL,MIF,MTSS1,MYH11,NCOA7,NUAK2,PDIA4,PLAUR,PRKCE,PTGS2,RNH1,SMTN,SRGN,SRM,TAGLN2,TGFB2,TIMP2,TMED9,TNF,TUBB3,VEGFA,YIF1A |
| SOX11 | transcription regulator | 0.0000121 | turquoise | BCL7A,BMPR1A,CAV1,CCL5,CD19,CD58,CD86,CXCR4,FAM45A,FAS,HMGB3,ITGB1,MSI2,MYO1B,NREP,PAG1,PAX5,PRDM1,RUNX2,TFDP2,TIAM1,TUBB3,YPEL1 |
| trichostatin A | chemical drug | 0.0000123 | turquoise | ABCB1,ABHD5,ADGRE1,APPBP2,ARG1,ATP5ME,BAK1,BIK,BTG1,CCNA2,CCND2,CD14,CD86,CDC6,CDCA7,CEBPA,CFLAR,CHEK1,CIITA,COCH,CREBBP,CSF3R,CXCL8,CXCR4,CYP1B1,CYTOR,ESR1,ESR2,FAS,FLT1,FNBP1,FOSL2,FRS2,GADD45A,GATA3,GCLC,GINS3,GZMB,HDAC9,HSPA5,ID2,IGHE,IL1B,IRF4,IRF8,ITGAM,JCHAIN,KIF20A,LAT,LDLR,LGMN,LRP8,MAP4,MCM6,MYOF,NSD2,PAX5,PCYT1A,PRDM1,PRKCD,PSMB2,PTGS2,RASSF1,RBM5,REL,RPL13,RPS27,RUNX2,RUNX3,S100A10,SAT1,SATB1,SCAMP2,SEMA3A,SLC8A1,SNRPN,SPCS2,SPN,SSBP2,STT3A,TGFBR2,TIMP1,TIMP2,TIMP3,TLR2,TLR4,TMEM245,TMEM258,TNF,TNFAIP2,TOP2A,TP63,TRADD,TRIM38,TXNIP,TYMS,UBE2H,UTRN,VEGFA,VIM,XBP1 |
| FN1 | enzyme | 0.0000127 | turquoise | ACP5,ACTN4,APLP2,BCAT1,BIRC3,BIRC5,BNIP3L,CALCR,CANX,CAPN2,CCL5,CD8A,CDK4,CEBPB,CXCL2,CXCL8,EIF4B,FLNA,GPX1,HLA-B,IL1B,IL7,ITGAM,ITGAV,ITGB1,LIMS1,MARCKS,NUP88,PLAUR,PXN,RDX,RRAGD,RUNX2,SCRN1,SEC23B,TGFBR2,TIMP2,TLR2,TNF,TNFAIP2,UBE2H,VDAC1,VIM,ZBTB7A,ZYX |
| GFI1 | transcription regulator | 0.0000131 | turquoise | BAK1,CEBPA,CEP95,CFLAR,CREBBP,CXCL8,CXCR4,ETS2,GATA3,GFI1,GUSB,HSP90AB1,ID2,IL1B,IL6R,IL7R,IRAK2,LYZ,NT5E,RASGRP1,REL,SERPINA1,SMAD3,TBK1,TNF,TRADD,VDR |
| forskolin | chemical toxicant | 0.0000138 | turquoise | ACP5,ACTN1,AKAP13,ALDOA,AQP3,ARL6IP5,ATP1B1,ATP6V1A,BAG3,BIRC5,BNIP3L,CALCR,CALM1 (includes others),CCDC85B,CCL5,CCND2,CD14,CD163,CD200,CD4,CD55,CD80,CD86,CD8A,CDK4,CEBPB,CEBPD,CNP,COL18A1,CRH,CRISPLD2,CTNND1,CXCL2,CXCR4,CYFIP2,CYP1B1,DAPK1,DUSP6,ELL2,EPHA4,ESR1,ESR2,ETV4,EZH2,FAS,FDX1,FKBP5,FOSL2,FOXO1,GADD45A,GNAS,GNLY,GPR3,GRIA1,HMOX1,ID2,IER3,IL1B,IRS2,ITPR1,LITAF,MAP3K5,MAPK1,MAPRE2,MDM2,MGAT3,MIF,MMD,NAMPT,NFIL3,NT5E,PAWR,PDE4A,PDE4D,PDXK,PEG10,PGK1,PRDX1,PTGS2,PTPRE,RAB20,RAB31,RPS11,RPS20,RRM2,RUNX2,S100A10,S100A8,SAT1,SIK3,SLC24A4,SLC2A5,SMAD3,SRXN1,STK17A,TAGLN2,TIMP1,TINF2,TLE3,TLK1,TMBIM6,TNF,TP53I11,TRIB1,TSHR,TUBA4A,TXNIP,UPP1,VCAN,VCL,VDR,VEGFA,VIM,YBX3,ZHX2 |
| FOLR1 | transporter | 0.0000139 | turquoise | ACTN4,ACVR1,ADA,AK3,AP1S2,BIRC3,CAV1,DUSP6,GBA,GLRX,LSP1,LYZ,MRPS6,NAP1L1,PDCD4,PIP5K1B,PVT1,S100A4,SHCBP1,SLC3A2,ST3GAL3,ST3GAL6,TAGLN2,TPI1,TTC3,TYMS |
| IL18 | cytokine | 0.0000141 | turquoise | ADA2,AQP3,BSG,CCL3,CCL5,CD226,CD69,CD86,CFLAR,CXCL8,FAS,FCGR3A/FCGR3B,FOSL2,GIMAP4,GZMB,GZMH,HAVCR2,IL18BP,IL1B,IL32,ITGAL,ITGAM,NFIL3,NKG7,PRF1,PTGS2,SAMHD1,SMAD3,SOCS2,TBX21,TGFBR2,TIMP1,TLR4,TNF,TNFRSF25,VEGFA |
| ETS1 | transcription regulator | 0.0000145 | turquoise | ABCB1,ARPC2,B4GALT5,BCL11A,CAV1,CCL5,CD14,CD27,CD69,CITED2,CSF1R,DIAPH1,ETS2,FCGR2A,FLT1,GZMA,GZMK,HCST,HMOX1,HSPA8,HSPE1,ID2,IKZF2,IL2RB,IL7R,MCL1,MDM2,MGAT5,MYB,NFIL3,PEG10,PERP,PRDM1,PRF1,RUNX2,RUNX3,SERPINB6,SRGN,TBX21,TBXAS1,TGFB2,TGFBR2,TNF,TYMS,VEGFA |
| NFKBIA | transcription regulator | 0.0000149 | turquoise | ADGRE5,ATP11A,BCKDK,BCL11A,BCL2L2,BID,BIRC3,BUB1B,CCL5,CCNA2,CCNC,CCND2,CCR1,CD69,CD80,CD86,CDC6,CEBPB,CEBPD,CFLAR,CXCL2,CXCL8,CXCR4,CYP1B1,DUSP6,ERO1A,FAS,GADD45A,GATD3A/GATD3B,GZMB,GZMK,HMGA1,HMOX1,HSPA5,HSPA8,IER3,IL15RA,IL1B,IL1RN,IL7R,IRAK1,ITGAV,ITGB1,ITPR1,JDP2,KCNN4,LITAF,LYNX1,MDM2,NINJ1,PICALM,PLD3,PMEPA1,PTGS2,PTP4A2,RABEP1,S100A8,S100A9,SAT1,SOD1,SORL1,SYCP2,TFDP1,TFRC,TGFB2,TIMP1,TIMP2,TIMP3,TLR2,TLR4,TNF,TNFAIP2,TNFRSF1B,TRADD,UBE2H,VEGFA,XRCC6 |
| TCL1A | transcription regulator | 0.000015 | turquoise | CCR1,CFP,CLEC4D,CSF3R,CTSC,FCER1G,FCGR2B,FKBP5,FPR1,GUSB,HMOX1,IL1B,ITGAM,MAFB,MCL1,NETO2,S100A8,S100A9,SCARB2,SLC11A1,STEAP4,TCL1A,TNFAIP2,UTRN |
| NLRP12 | other | 0.0000151 | turquoise | CREBBP,CXCL2,CXCL8,CXCR4,HLA-B,HLA-J,IL1B,IL1RN,LY96,MAP3K14,NR3C1,TBK1,TLR4,TNF |
| TRAF3 | enzyme | 0.0000152 | turquoise | BAK1,BIRC3,CCL5,CCR1,CD80,CXCL2,FAS,FCER2,HSPA5,IL1B,IL2RB,IL9R,MAP3K14,MCL1,PBX3,PLBD1,PPFIBP2,PTPN14,TBX21,TNF,XBP1 |
| NFE2L1 | transcription regulator | 0.0000152 | turquoise | BIK,GCLC,HMOX1,PSMA1,PSMA6,PSMA7,PSMB2,PSMB6,PSMB7,PSMC2,PSMD14,SNRPN |
| zymosan | chemical - endogenous non-mammalian | 0.0000168 | turquoise | CCL5,CD86,CR1,CST3,CXCL2,CXCL8,HMOX1,IL1B,IL4R,ITGAM,PLA2G6,PPARGC1B,PTGS2,RXRA,SPN,THRB,TLR2,TNF |
| mir-21 | microRNA | 0.0000175 | turquoise | AIF1,ANLN,ARNTL,ASPM,CACYBP,CANX,CCNA2,CCT8,CD19,CD226,COPG1,CREBBP,CSF3R,DLGAP5,ECT2,EIF4E3,FAM3C,FAS,FCGR2A,FGL2,GATA3,GLCCI1,ICOSLG/LOC102723996,IGHM,IL1B,IL6R,IRAK1,IRGM,MKI67,NLRP3,NUSAP1,PDCD4,PGAM1,PILRB,PPA1,PSME2,RACGAP1,SIRPB1,SLC25A37,SPRY1,SSR1,TBX21,TIAM1,TIMP3,TLR2,TLR4,TNF,TOP2A,TYMP,UBE2E2,UBE2G1 |
| E. coli B4 lipopolysaccharide | chemical toxicant | 0.0000197 | turquoise | ABCB4,ANXA1,B3GNT5,BAK1,BID,BIK,CCL5,CD38,CD70,CD80,CD86,CXCL2,CXCL8,ESR1,ETS2,FAS,FCER1G,FGL2,FPR1,GBP4,HMOX1,IL1B,IL1RN,INVS,KLHL21,KMO,LCP2,LILRB3,LRRFIP1,LUC7L,MCL1,MDFIC,PDLIM5,PLAUR,PLEK,PTGS2,PYCARD,RAB20,RPL7,SAMSN1,SIKE1,STAB1,TLR2,TLR4,TNF,TNFRSF1B,TRADD,TRAF5,TRAM2,TXNIP,UHRF1 |
| PAX5 | transcription regulator | 0.00002 | turquoise | BIK,CD19,CD22,CD72,CIITA,CR2,CSF1R,DLEU2,FCER2,GPRIN3,IGLL1/IGLL5,JCHAIN,POU2AF1,PRDM1,VIM |
| AR | ligand-dependent nuclear receptor | 0.0000226 | turquoise | ABCC4,ABCG1,ACTR3,AK3,ALDH1A1,AQP3,ARHGEF7,BIRC5,BUB1B,CALU,CAMKK2,CAV1,CCDC85B,CCNA2,CDCA5,CDT1,CEBPB,CFLAR,CKAP4,CUX1,DANCR,DBI,EHD3,ELMO1,ERN1,ERO1A,ETS2,FABP5,FAM89B,FKBP5,GLCCI1,GSTM1,GUSB,HSPA5,KDELR2,KIF2C,KISS1R,KPNA2,LRRK1,MCM4,MEF2C,MT1X,MTHFD2,MYB,MYO1B,NAP1L1,NR3C1,NUSAP1,OVOS2,PCBD1,PDIA5,PMEPA1,PRKCD,SCN4A,SEC61B,SERP1,SERPINA5,SLCO3A1,SMAD3,SMTN,TARP,TBXAS1,TGFB2,TGFBR2,TIMP2,TIMP3,TNF,TNFAIP2,TP63,TPX2,TUBB3,UBE2C,VCAN,VCL,VEGFA,VIM,WEE1,XBP1,ZBTB16,ZCCHC18,ZWINT,ZYX |
| POU2F2 | transcription regulator | 0.0000236 | turquoise | ADA,ALOX5,BANK1,BTLA,CD22,CD69,CFLAR,COCH,CXCR5,ELL2,ENO1,FCRL1,FCRL2,GATM,GGA2,IGH,IGKC,IL5RA,KCNN4,PFKFB3,PLEKHG1,TIMP2,TNFAIP2,XBP1 |
| prednisolone | chemical drug | 0.0000237 | turquoise | AGO2,ARG1,ATG4A,BAG3,BAK1,BCL2L2,BID,BIRC3,BTG1,CALCR,CD163,CD86,CDK5,CEBPD,CFLAR,CXCR4,DAD1,DAPK1,EIF4G1,ESR1,FAS,FKBP5,GAB1,GABPB1,HSPA8,IL1B,IRS2,ITGAM,KCTD12,KLF9,LIMK2,MCL1,MRPS16,NFIL3,NR3C1,PGK1,PIK3C3,PPCDC,PRDX1,PTGS2,RARRES3,SOD1,SRGN,TNF,TUBA4A,TXNIP,UTRN,ZBTB16 |
| CDK4 | kinase | 0.0000246 | turquoise | AQP3,ATP6V0E1,AURKA,CDC6,CDCA2,CDCA7,CDCA7L,CDK4,CDKN2C,CEP55,DTL,E2F7,FAM83D,H2AFJ,KIF11,KIF20A,KIF2C,KNL1,MED30,MESD,MNS1,MTMR1,NCAPH,NT5E,PCLAF,PDCD4,SATB1,SERF2,SLC9B2,STARD4,TOR3A,TPX2,UTRN,ZFP28 |
| PIK3R1 | kinase | 0.0000251 | turquoise | ATF5,ATP1A1,CCL3,CCND2,CD36,CXCL8,DNAJC3,ERN1,FOXO1,HMOX1,HSP90B1,HSPA5,IL1B,LDHA,MKI67,NFE2L1,PIK3CA,PKM,PTGS2,TNF,TXNIP,VEGFA |
| IL7 | cytokine | 0.0000261 | turquoise | AHR,BTLA,CBLB,CCL3,CCND2,CD19,CD69,CD86,CD8A,CFLAR,CXCL2,CXCR4,E2F2,FAS,FOXO1,GATA3,GFI1,HAVCR2,HCST,IGHM,IL7,IL7R,ITGB7,LYN,MAPKAPK3,MCL1,PAX5,PIK3IP1,RUNX2,TNF,UPP1,XBP1 |
| IL1B | cytokine | 0.0000273 | turquoise | AIF1,ANXA1,ARG1,ARL6IP5,ATF5,ATP1A1,BIRC3,CCL3,CCL5,CCR1,CD14,CD4,CD55,CD69,CD74,CD80,CD86,CEBPA,CEBPB,CEBPD,CFLAR,CIITA,CRH,CSF2RB,CX3CR1,CXCL2,CXCL8,CXCR4,DBI,DDX5,E2F2,ESR1,ETS2,FABP5,FAM129A,FAS,FCER2,FCGR2B,FKBP5,FLT1,FOXO1,FURIN,GADD45A,GATA3,GCLC,GGT1,GNAS,GRIA1,GUSB,HBEGF,HEXB,HMGA1,HMOX1,HSPA5,ICOSLG/LOC102723996,IER3,IGFBP4,IL15RA,IL16,IL1B,IL1RN,IL32,IL6R,IL7,IRAK1,IRAK2,IRF4,IRS2,ITGAM,ITGAV,ITGB1,ITPKB,KLF10,LDHA,LDLR,LY96,MARCKSL1,MCL1,MEF2C,MIF,MMP11,MT2A,MTDH,MYH11,NAMPT,NFIL3,NLRP7,NR1D1,P4HB,PGAM1,PLD3,PLXDC2,PPARGC1B,PRDM1,PRKCD,PSMB10,PSME2,PTGS2,REL,RORA,RUNX2,RXRA,S100A10,S100A6,S100A8,S100A9,SEC61A1,SEMA3A,SLC25A4,SOCS2,SRGN,STAT4,TBX21,TGFBR2,TIMP1,TIMP2,TIMP3,TLR2,TLR4,TNF,TNFAIP2,TNFRSF1B,TREM1,TXNIP,TYMP,UAP1,VCAN,VDR,VEGFA,VIM,XYLT1,ZYX |
| EGFR | kinase | 0.0000285 | turquoise | AGO2,ANXA1,ARG1,BIRC5,BTG1,CAV1,CBX5,CCL5,CCNA2,CDK4,CEBPB,CST3,CXCL8,CXCR4,DUSP4,E2F2,ESR1,ESR2,ETV4,FKBP11,FOSL2,GADD45A,GZMB,HBEGF,HMGA1,HMGB3,HSP90B1,HSPA5,HSPE1,IER3,IGFBP4,IL1B,IQGAP2,KCNN4,KIAA0391,LRP8,MARCKS,MCL1,MTHFD1,MXI1,NDUFB8,PA2G4,PAIP2,PHF20,PIP4K2B,PKM,PLAUR,PPIA,PRF1,PSMB2,PSMB3,PSMB6,PSMB7,PTGS2,PTPRE,RUNX2,SDF2L1,SDHB,TBXAS1,TNF,TUBA4A,TUBB4B,TUBG1,TXNIP,VCAN,VCL,VDR,VEGFA,VIM,WEE1 |
| actinomycin D | chemical drug | 0.0000303 | turquoise | ABCG1,AGFG1,ATP1A1,BIK,BIRC3,BIRC5,CAV1,CD27,CD38,CD55,CD70,CERS6,CFLAR,CLEC11A,CXCL8,DUSP4,FAS,FLNA,FOSL2,FPR1,GADD45A,GAPDH,GPI,HBEGF,HMOX1,ID2,IGFBP4,IL7R,IRS2,LMNB1,MCL1,MDM2,PERP,PFKFB3,PLAUR,PTGS2,PXN,RRM2B,SKIL,SLC30A1,THRB,TLR2,TNF,TNFAIP2,TNFRSF1B,TP53I3,VDR,VEGFA |
| OSM | cytokine | 0.0000304 | turquoise | ABCC4,ABCG1,AHR,ANXA1,ANXA2,AQP9,ARG1,ATP2B4,BAK1,BLMH,CCL5,CCND2,CEBPA,CEBPD,CLEC2B,CLIP1,COX6B1,COX7B,CXCL2,CXCL8,CYP1B1,DAPK1,DNAJC3,ETS2,FMO5,GAB1,GLUL,GNS,HBEGF,HLA-B,HMOX1,HSPA5,ID2,IL13RA1,IL15RA,IL1B,IL32,IL4R,IL6R,IL7,IRAK1,ITGAL,ITPKB,JMJD1C,KCNG1,KLF10,KRR1,LDLR,LITAF,LRRFIP1,MARCKS,MGLL,MT1X,MT2A,NAMPT,OLFML2A,PDCD4,PDLIM5,PFKFB3,PGK1,PKIG,POLR2L,PRDM1,QKI,RAB31,RAD17,RAP2A,RARG,RNASE4,RORA,S100A12,S100A8,S100A9,SEL1L,SERPINA1,SLC16A1,SLC16A3,SLC16A6,STX11,TIMP1,TIMP3,TLR2,TMBIM6,TNF,TNFAIP2,TOP2A,TPX2,TYMP,UAP1,UBE2G1,VDR,VEGFA,ZHX2,ZNF266 |
| minocycline | chemical drug | 0.0000317 | turquoise | ADGRE1,ALOX5,BSG,CD163,CD86,CDK4,CDK5,CXCL8,GATA3,IL1B,IL6R,ITGAM,ITGAX,ITGB1,PTGS2,SLC16A1,SLC3A2,TNF,TNFRSF1B |
| LYN | kinase | 0.0000324 | turquoise | BAK1,BIK,BIRC5,C5AR1,CCL5,CCNA2,CD19,CD22,CD80,CD86,CFLAR,CR2,CXCR5,FCGR2B,IL1B,IL5RA,ITPR1,STAT5B,TNF,TRAF5 |
| dihydrotestosterone | chemical - endogenous mammalian | 0.0000324 | turquoise | ABCC4,ABCG1,ALAS1,ALDOA,ARFGAP3,BCOR,BRIP1,BUB1B,CACYBP,CAMKK2,CANX,CCNA2,CCND2,CD36,CD63,CD74,CDC6,CDCA7,CEBPA,DBI,DDX5,DTL,DYNLL1,ENO1,ESR1,ESR2,FAM111B,FAM89B,FBXO32,FKBP5,FOXO1,GAPDH,GLUL,GPI,GTF2I,HOMER2,ID2,IGFBP4,IGFBP7,IQGAP2,IRS2,ITGB1,LDHA,LDLR,LDLRAP1,LGALS1,LYZ,MBD5,MCM4,MDM2,MGLL,NR3C1,NUCB1,PA2G4,PAM,PDCD4,PHGDH,PMEPA1,PRUNE2,PTGS2,RARG,RPL3,RPS17,RPS20,RUNX2,SEL1L,SELENOW,SERPINB6,SLC16A6,SLC16A7,SLC1A4,SLC25A37,SLC2A5,SLC3A2,SLCO3A1,SMAD3,SVIP,TALDO1,TAPT1,TARP,TGFB2,TGFBR2,TGFBR3,TIMP2,TIMP3,TKT,TNF,UAP1,VCAN,VEGFA,VIM,WNT7B,ZBTB16 |
| let-7 | microRNA | 0.0000326 | turquoise | AGO2,ARID3A,AURKA,BCAT1,BMPR1A,BUB1B,CCNA2,CDC6,CDCA2,CDCA3,CDCA5,CDCA7,CDT1,CEBPD,CHEK1,CLUH,DUSP6,E2F2,EZH2,GMNN,GPI,GTF2I,HMGA1,ID2,IL6R,IRS2,MCM4,MCM6,MGAT1,NAP1L1,PA2G4,PABPC4,PKM,PLAUR,PTGS2,RDH10,RRM2,S100A4,SIGMAR1,SSR1,TLR4,TRIB1,VIM |
| sorafenib | chemical drug | 0.0000326 | turquoise | ATF5,CCL3,CCL5,CCND2,CD69,CDK4,CFLAR,CXCL8,ERN1,HSPA5,IL1B,MCL1,TNF,VIM |
| cycloheximide | chemical reagent | 0.0000333 | turquoise | ABCB1,AGFG1,AHR,ALDOA,ATP2B4,BIRC3,BRAF,CAV1,CCR1,CD38,CD4,CD55,CD8A,CDK4,CEBPB,CEBPD,CFLAR,CITED2,CXCL2,CXCL8,CXCR4,EIF4G1,ESR1,ESR2,FAS,FDX1,FOSL2,GADD45A,GCLC,GNAI3,GNAS,HBEGF,HMOX1,IGFBP4,IL1B,IL1RN,IL4R,IL7R,IRS2,ITGAM,LDHA,MCL1,MMP11,NR3C1,PERP,PFKFB3,PGK1,PLAUR,PRDM1,PTGS2,PXN,RARG,RUNX2,RXRA,S100A8,SLC30A1,TGFBR2,THRB,TIMP1,TNF,TNFAIP2,TSHR,TYMS,UACA,VDR,VEGFA,YME1L1 |
| NRF1 | transcription regulator | 0.0000336 | turquoise | ALAS1,ATP1A1,ATP1B1,COX5A,COX5B,COX6B1,COX7A2,COX7B,COX8A,CXCL8,GCLC,HMOX1,IDE,IL1RN,SDHA,VDAC1 |
| 26s Proteasome | complex | 0.0000338 | turquoise | AHR,ARG1,ARNT,ATF5,ATG4A,ATP6V0E1,ATP6V1D,BAG3,BIRC3,CCNA2,CDC6,CFLAR,CTSA,CXCL8,ESR1,FOXO1,GRIA1,HBEGF,IGLL1/IGLL5,MDM4,MYCBP,PKD1,PSAP,PSMB3,PSMB6,PSMC2,PTGS2,RUNX3,SKIL,TOP2A,TXNIP,UBE2H,VIM,WIPI1 |
| U0126 | chemical - kinase inhibitor | 0.0000342 | turquoise | ABCB1,ABI2,ADGRE1,AGO2,APOBEC3A,APOBEC3G,AQP3,ASGR2,BIRC3,BIRC5,BMP6,CAV1,CCL3,CCL5,CCND2,CD200,CD36,CD69,CDC42EP3,CDK4,CEBPA,CEBPB,CEBPD,CFLAR,CIITA,CSF1R,CXCL2,CXCL8,CYP1B1,DBNDD1,DUSP4,DUSP6,DUSP7,ESR1,FAM53B,FKBP5,FURIN,GCLC,GFI1,GRIA1,GRK3,HBEGF,HMGB3,HMOX1,HSP90AB1,HSPA5,IER3,IGHA1,IGHM,IL1B,INPP4A,ITGB1,JDP2,KCNN4,KLF10,LDLR,MAPK1,MCL1,MDM2,NETO2,NREP,PAWR,PLAUR,PRKCB,PTGS2,PTPN12,RUNX2,S100A9,SIRPA,SMAD3,SPRY1,STK17A,SVIL,TGFB2,TGFBR2,TIMP2,TIMP3,TLR2,TNF,TRIB1,TUBA4A,TXN,TYMP,VEGFA,VIM,ZWINT |
| genistein | chemical drug | 0.0000362 | turquoise | ABCB9,ACP5,ALAS1,ALOX5,AP1S2,ARG1,ARSG,ATP6V0A1,ATP6V1A,BIRC5,CCL5,CD4,CD74,CD80,CD86,CEBPA,CFD,CFLAR,CHPF,CITED2,CKLF,CTSA,CX3CR1,CXCL2,CXCL8,CXCR3,ESR1,ESR2,EVI2A,EXT1,FBXW7,FCGR2B,FXYD5,GBA,GCLC,GGA2,GLMP,GNS,GUSB,HCST,HEXB,HMOX1,HSPA5,ID2,IL1B,KLRD1,LCP2,LDLR,LGMN,MTMR1,MYB,NR3C1,OSBPL3,PDCD4,PSAP,PTAFR,PTGS2,RASGRP1,RPN2,RUNX2,RXRA,SCARB2,SLC11A1,SLC26A6,TNF,VDR,VEGFA,WEE1,XYLT1 |
| ERG | transcription regulator | 0.0000371 | turquoise | ABCC4,ACTN1,ARHGAP20,ARHGAP31,BIRC3,CAMK1D,CCNA2,CD59,CLIP1,CNR1,CXCL8,CXCR4,CYFIP1,DAAM1,DSTN,ELMO1,EXT1,EZH2,FKBP5,FLNB,FLT1,FMNL3,HMMR,MAP3K5,MYO1D,NFIL3,NRCAM,PHACTR2,PLA1A,PLAUR,PLEK,PRKCI,PSTPIP2,PXN,RALGPS2,RASSF1,RBMS1,RPS11,SVIL,TGFBR2,UTRN,VIM,ZBTB16 |
| SMARCA4 | transcription regulator | 0.0000377 | turquoise | ABCB1,ABHD2,ACTN4,AGMAT,AHNAK,AHR,AIM2,AP1S2,APOBEC3G,ATP2B4,BAK1,BEND5,BEX5,BIRC5,BNIP3L,C1orf54,CARD16,CCDC85B,CCNA2,CCR1,CD19,CD63,CD74,CDC6,CEBPB,CFP,CIITA,CNP,COTL1,CXCR3,CXCR4,CXCR5,DUSP4,DUSP6,DYSF,EPHA4,ETS2,FADS3,FAS,FCGR2A,FCHSD2,FGF9,FKBP5,FLNB,FOSL2,GADD45A,GAPDH,GCLC,GNAI3,GPX1,GSTO1,HCST,HEXB,HLA-B,HLA-J,HS3ST1,HYI,IER3,IFI30,IGFBP4,IGFBP7,IL15RA,IL1B,IL7R,ITGAV,ITGB1,ITPR1,LGALS1,LGALS3,MAPK1,MCTP2,MEF2C,MYB,MYH11,PERP,PLAUR,PLIN2,PTP4A2,RASSF1,RIC8B,RRM2,S100A6,SLC11A1,SLC43A3,SLF1,SMARCA2,SOCS2,ST7,STAMBPL1,TBX21,TGFB2,TIMP2,TLR2,TMCC3,TMPRSS13,TNFRSF10C,TREM1,TSPAN13,TUBB,TYMS,UBE2H,VIM,WDR45 |
| NR3C1 | ligand-dependent nuclear receptor | 0.0000382 | turquoise | ABHD2,ACTN1,ANXA1,APOA2,ARID4B,ARPC2,ARRB1,ATP1B1,ATXN1,BAG3,BCL2L2,BCOR,BIRC3,BNIP3L,BRAF,BTG1,CAPN2,CAV1,CBX4,CCL5,CD38,CD69,CD70,CDC42EP3,CEBPA,CEBPB,CORO2A,CRH,CXCL2,CXCL8,CXCR4,DAD1,DAPK2,DBI,DDX5,DUT,DYNLL1,ERN1,FAM89B,FCER1G,FKBP5,FOXO1,GAB1,GADD45A,GATA3,GLCCI1,GLUL,GPX1,GRIA1,GZMA,HSP90AB1,IER3,IL15RA,IL1B,IL7R,IRF8,ITGAV,KLF9,MAP3K14,MAPK1,MBD2,MCL1,MDM2,MDM4,MSRB1,MT2A,MTHFD1,MZB1,NAMPT,NFIL3,NLRP3,NOTCH4,NR3C1,PAWR,PDCD4,PLIN2,PRKCB,PRKCD,PRKCE,PRKCI,PSMA6,PTGS2,PTP4A2,RAB11A,RERE,RTN4,RUNX2,SERPINA1,SGPP1,SH3GLB1,SH3KBP1,SLC2A5,SLC38A1,ST3GAL3,STUB1,TIMP3,TLE3,TLR2,TNF,TNFAIP2,TNFRSF1B,TNFRSF25,TP53I3,TPST2,TRAF5,TRIM45,TUBA4A,TXN,VDR,YWHAE |
| HBA1/HBA2 | transporter | 0.00004 | turquoise | ATP5F1C,ATP5MC2,COX8A,NDUFA11,NDUFA13,NDUFA6,NDUFA7,NDUFA9,NDUFB11,NDUFB4,NDUFB7,NDUFB8,NDUFS4,SDHA,UQCRC1 |
| TGM2 | enzyme | 0.0000403 | turquoise | ADGRE2,AQP9,ATP1B3,BIRC3,C5AR1,CCL3,CD36,CD74,CD86,CD93,CDCA7,CFLAR,CFP,CX3CR1,CXCL8,CXCR5,DAPK2,EHD1,FCER1G,GIMAP6,HLA-B,IL1B,ITGAM,ITGAX,JAML,LILRA5,LILRB2,LSP1,MAFB,MIR17HG,MT2A,MYO9A,RARRES3,RFLNB,RUNX2,S100A8,SAMHD1,SIRPA,SLAMF7,SLC16A1,SLC9B2,SRD5A3,TNF,TNFAIP2,TPCN1,TYROBP |
| RARA | ligand-dependent nuclear receptor | 0.0000406 | turquoise | ABHD2,ABLIM1,ALDH1A1,ALOX5,ARPC5L,ASPM,ATF5,ATG13,BIRC5,CCNA2,CCNC,CD14,CD1A,CD38,CD93,CEBPB,CLMN,CRH,CTNND1,CXCL8,CXCR5,E2F7,ELL2,ENAH,FAM186A,FOLR2,FOSL2,GATA3,HLA-B,HLA-J,IDE,IL16,IL5RA,IL6R,KNL1,LGALS1,LINC00342,MAFB,MAPK1,MMP11,NCAPG,NCAPH,NCOA3,NSD2,OVOS2,PHF19,PIK3C3,PTGS2,PTTG1,RARG,SAMHD1,SETD2,SHROOM1,SIPA1L1,SMAD3,SMC4,TNF,TP63,XBP1,XK,YPEL1 |
| CTLA4 | transmembrane receptor | 0.0000413 | turquoise | AHR,CBLB,CCNA2,CD69,CD80,CD86,CXCL8,GATA3,GZMB,HIST1H3B,HIST1H3F,ITGAX,KPNA2,MKI67,PRDM1,RAB30,STX11,TOP2A,TPX2 |
| NFKB2 | transcription regulator | 0.0000413 | turquoise | BIRC3,CCL5,CD86,CFLAR,CR2,CRH,CXCL8,CXCR4,CXCR5,FCER2,HLA-DMB,HLA-DOA,ICOSLG/LOC102723996,IRF4,MYB,PPARGC1B,PTGS2,PXN,TNF |
| cytarabine | chemical drug | 0.0000413 | turquoise | ADGRE5,CCL5,CD55,CD69,CD80,CD86,FAS,GADD45A,GAPDH,GZMB,IL1B,MCL1,MDM2,PRF1,TGFB2,THRB,TLR2,TNF,TOP2A |
| SEL1L | other | 0.0000469 | turquoise | DNAJB11,DNAJC3,EDEM1,HSPA5,SERP1,TIMP1,TIMP2,TUBB3,XBP1 |
| E. coli B5 lipopolysaccharide | chemical - endogenous non-mammalian | 0.0000473 | turquoise | BIRC3,CCL5,CCR1,CD69,CD86,CEBPA,CSF3R,CX3CR1,CXCL2,CXCL8,CXCR3,CXCR4,DBI,ETS2,GCLC,GPX1,HMOX1,ICOSLG/LOC102723996,IL13RA1,IL15RA,IL16,IL1B,IL21R,IL32,IL5RA,IL6R,IL7,IL7R,IL9R,ITGAL,LDLR,MDM2,PAX5,PPIA,PRDM1,PSMA5,PTGS2,RDX,SOCS2,SOD1,TGFB2,TGFBR2,TGFBR3,TGIF1,TLR2,TLR4,TNF,TREM1,VEGFA |
| STAT6 | transcription regulator | 0.000048 | turquoise | ABLIM1,ACP5,ACSL1,ARG1,ARNTL2,CCL5,CCND2,CD38,CD69,CR2,CRIP1,CST7,CXCL2,EXT1,FCER1G,FCER2,FCGR2A,FCGR3A/FCGR3B,FKBP5,FNIP2,GATA3,GFI1,HIPK2,ICOSLG/LOC102723996,IFNAR2,IGHE,IL1RN,IL4R,IRF4,IRS2,ITGB7,KRR1,MYB,NCOA3,NFIL3,POU2AF1,PTGS2,RNF19B,S100A10,SAMSN1,SERPINA1,SERPINB6,SOCS2,ST6GAL1,STAT4,TBX21,TCF7,TFEC,TIMP1,TNF,TNIK,XBP1 |
| alefacept | biologic drug | 0.0000499 | turquoise | ABCB1,AUTS2,CBLB,CCL5,CD69,CD8A,CST7,CXCL8,FCGR3A/FCGR3B,GNLY,GZMB,IL2RB,IL7R,KLRD1,PRF1,STAT4,TGFBR3 |
| gentamicin C | chemical drug | 0.0000523 | turquoise | ANXA1,ANXA2,BIRC3,CD14,FCGR2A,FXYD5,IER3,LGALS3,PLA1A,PSMB10,S100A10,S100A11,TES,TGIF1,TIMP1,TUBB,UPP1,VIM |
| MMP12 | peptidase | 0.0000533 | turquoise | ACTN1,ACTN4,ACTR3,ARPC1B,CCL5,MAP4,PGM1,PKM,PSAP,PSMA1,PSMA3,PSMA5,PSMA6,PSMB2,PSMB7,PSMD14,RDX,VCL,VCP |
| mono-(2-ethylhexyl)phthalate | chemical toxicant | 0.0000557 | turquoise | ACSL1,ATP5F1B,ATP5F1D,CCND2,CD36,CDK4,CEBPA,COX7A2,ENO1,FAS,GAPDH,GPI,HIPK2,IDH3G,IL1B,IRS2,LDLR,MDH2,N4BP1,NAMPT,NDUFA2,PGK1,PLIN2,PPA1,PPARGC1B,SDHA,SDHB,SOD1,SUCLG1,TALDO1,TIMP2,TKT,TNF,TPI1,UQCRC1,VCL |
| Pam3-Cys-Ser-Lys4 | chemical reagent | 0.0000566 | turquoise | ADGRE5,AKAP13,CCL5,CCR1,CD55,CD58,CD69,CD80,CD86,CSF1R,CXCL2,CXCL8,FCGR2A,FCGR2B,ICOSLG/LOC102723996,IER3,IL1B,IL32,IRF4,ITGB7,KLHL21,MCL1,NAMPT,NLRP3,PTGS2,REL,SLC16A3,TGFB2,TLR2,TLR4,TNF |
| STAT3 | transcription regulator | 0.0000572 | turquoise | AHR,ALDH1A1,ARG1,BAK1,BIRC5,BNIP3L,BOC,C5AR1,CCL5,CCNC,CCND2,CCR1,CD226,CD74,CD80,CD86,CEBPA,CEBPB,CEBPD,CFLAR,CHEK1,CIITA,CXCL2,CXCL8,CXCR3,CXCR4,ECT2,EED,ESR1,ESR2,FAS,FCER1G,FGL2,FLT1,GADD45A,GATA3,GZMB,HLA-DMA,HMOX1,ID2,IFI30,IKZF2,IL1B,IL1RN,IL2RB,IL4R,IL6R,IL7,IL9R,IRF4,ITGAM,ITGAV,ITGB1,LDHA,LDHB,LILRB2,LYZ,MAFB,MCL1,MGAT5,MXI1,MYB,NAMPT,PAX5,PDIA4,PEG10,PGK1,PLAUR,PRDM1,PRF1,PTAFR,PTGS2,PTK2,PTTG1,RORA,S100A9,SERPINA1,SLFN13,SOS2,TBX21,TFDP1,TIMP1,TNF,TNFRSF1B,TRIM14,VCAN,VEGFA,VIM,WARS,XBP1 |
| 5-azacytidine | chemical drug | 0.0000608 | turquoise | ABCB1,ANXA2,ATP5F1A,ATP5F1B,CANX,CAV1,CIITA,ESR1,ESR2,GADD45A,HBEGF,HSP90B1,HSPA5,HSPA8,IRF8,IRS2,ITGAL,KEAP1,LDHB,MCL1,MYO1B,PRF1,PTGS2,RASSF1,RPS6KA6,RRM2,RUNX3,SLC3A2,STK17A,TGFBR2,TUBB,UPP1,ZYX |
| BCL6 | transcription regulator | 0.0000616 | turquoise | BACH2,CCL3,CCND2,CD19,CD69,CD72,CD80,CHEK1,CIITA,CXCR5,DNAJB11,DPYSL2,DUSP6,EPB41L2,FAS,FCER2,FCRL1,GABPB1,GADD45A,GATA3,HDAC9,IL13RA1,IL1B,IL21R,IL2RB,IL4R,IL6R,IL7R,IRF4,IRF8,LDHB,LDLR,LITAF,LPP,MIR17HG,MYB,PHF20,PRDM1,RHOF,SOCS2,TBX21,TNF,XBP1 |
| spermine | chemical - endogenous mammalian | 0.0000617 | turquoise | CCL3,IL1B,ITGAL,OAZ1,RUNX2,SAT1,TLR2,TNF |
| nitroprusside | chemical drug | 0.0000618 | turquoise | ACTN1,BIRC5,CAV1,CFLAR,DUSP6,FAS,FLT1,FOXO1,HMOX1,LAMC1,MDM2,PTGS2,SLC1A4,TLR2,TNF,VEGFA |
| salmonella minnesota R595 lipopolysaccharides | chemical - endogenous non-mammalian | 0.0000621 | turquoise | ACSL1,AK3,CCL5,CD38,CD80,CD86,CEBPD,CFLAR,CXCL2,CXCL8,ETS2,FPR1,HLA-DMA,HLA-DMB,IL1B,IRF8,MDFIC,MKI67,MT1X,PILRA,PSTPIP2,PTGS2,SAMHD1,SLFN13,TFEC,TLR2,TNF |
| SYK | kinase | 0.0000622 | turquoise | BIRC3,CCL5,CD69,CITED2,CXCL8,CXCR4,FGL2,FOXP1,GADD45A,GATA3,GIMAP7,IL1B,ITGAM,PIK3CA,PLEKHG1,PTPRE,RASSF4,RASSF6,TAGAP,TNF,USP53,VEGFA |
| vancomycin | biologic drug | 0.0000622 | turquoise | ANXA1,ANXA2,BIRC3,CD14,CXCL2,FCGR2A,FXYD5,GSTK1,HMOX1,IER3,LGALS3,PLA1A,PSMB10,RTN4,S100A10,S100A11,TES,TGIF1,TIMP1,TUBB,UPP1,VIM |
| niflumic acid | chemical drug | 0.000064 | turquoise | CD80,CD86,CFLAR,CXCL8,FAS,LILRB2 |
| PCGEM1 | other | 0.0000659 | turquoise | ALDOA,ENO1,GAPDH,GGT1,GLUD1,GPI,IDH2,LDHA,PGD,PGK1,PKM,SDHA,SUCLG1,TALDO1 |
| SELPLG | other | 0.0000659 | turquoise | BTLA,CCL3,CXCL2,CXCL8,CXCR4,CYP1B1,HAVCR2,HCAR3,IL1B,IL4R,ITGAM,PLAUR,PRKCD,TNF |
| N-formyl-Met-Leu-Phe | chemical reagent | 0.0000659 | turquoise | ACTN1,ANLN,CXCL8,DIAPH1,IL1B,ITGAM,KIF11,LILRB2,PTGS2,SELPLG,SIRPA,TAGLN2,TNF,VEGFA |
| CREBBP | transcription regulator | 0.0000678 | turquoise | ALAS1,ASL,BANK1,BIRC5,CAMK2D,CAMK4,CCL5,CCND2,CD59,CD80,CDC42EP3,CDC6,CEBPA,CNN3,CORO2B,CRISPLD2,CST7,CXCL8,CXCR3,CXCR4,DTX1,DUSP4,ESAM,EVI2A,EYA2,FDX1,FNBP1,FNDC3B,FOSL2,GFI1,GIMAP4,GIMAP7,GLCCI1,GNAS,GPR18,GRAMD2B,HLA-B,HVCN1,IL2RB,IL7R,ITGB7,KIF1B,KMO,LDLR,MDM2,MEF2C,MGA,MMP11,MYCBP,MYO1F,NR3C1,PIP5K1B,PLEKHA1,PPFIBP2,PRF1,PRKCD,PTGS2,RUNX2,SH2D1A,ST6GAL1,STAT4,TESC,TLE2,TLR2,TNF,TULP4,UTRN,VEGFA,XRCC6 |
| HOXA9 | transcription regulator | 0.0000741 | turquoise | AKAP13,ALDH1A1,ARF1,ARL3,ARNTL,BCL7A,CBX6,CCL3,CD36,CD93,CDC6,CSNK1A1,DLGAP5,EPS8,ETS2,FZD1,GFI1,GLRX,GMNN,HIGD1A,ID2,IL7R,LYN,LYZ,MAFB,MSI2,MYB,NDUFB3,PABPN1,RAB31,RAP1B,RCBTB2,RDX,RNF103,RPS3A,S100A8,SATB1,VIM |
| TICAM1 | other | 0.0000795 | turquoise | ACSL1,AK3,APOBEC3B,CCL5,CD38,CD80,CD86,CEBPD,CFLAR,CXCL2,CXCL8,ETS2,FAS,FPR1,ICOSLG/LOC102723996,IL15RA,IL18BP,IL1B,IRGM,MKI67,PILRA,PSTPIP2,PTGS2,SAMHD1,TFEC,TLR2,TNF,TREM1 |
| VEGFA | growth factor | 0.00008 | turquoise | ACSL1,ALAS1,ATP5MC2,ATP5MC3,BIRC5,BTLA,CAV1,CD1A,CD55,CD80,CD86,CITED2,COX5B,COX6B1,COX8A,CREBBP,CST3,CSTB,CXCL2,CXCL8,CXCR4,DUSP4,E2F2,ETFA,ETS2,ETV4,FLT1,HAVCR2,HBEGF,HMOX1,HSPA5,IGFBP4,IL1B,ITGAV,ITGB1,MCL1,MDH2,MEF2C,MKI67,MRPL23,NDUFA1,NOTCH4,PPA1,PTGS2,PTK2,RUNX2,SCO2,SDHB,SMTN,TIMM13,TIMP1,TNF,TXN2,UQCRB,VEGFA |
| E2F4 | transcription regulator | 0.000082 | turquoise | ANLN,BUB3,CALM1 (includes others),CBX5,CCDC77,CCNA2,CDC6,CDKN2C,CHEK1,DUT,E2F2,ECT2,EXOSC9,FAS,GMNN,H2AFZ,HIST1H3B,HMGB3,HMMR,HSP90B1,IER5,MCL1,MCM4,MCM6,MKI67,MT1G,MTHFD1,MYB,NAP1L4,NDC80,NFE2L1,PCLAF,PRPSAP1,PSAT1,PTTG1,RABIF,RBL2,RRM2,SKA2,SLC3A2,SMC4,TNF,TOP2A,TPX2,UBE2C,UHRF1 |
| REL | transcription regulator | 0.0000844 | turquoise | AHR,ANLN,ARFGAP3,ATP11A,ATXN1,BACH2,BIRC5,CAMK2D,CCND2,CD200,CD59,CD80,CD86,CDC6,CDS2,CIITA,COTL1,CR2,CXCL8,DUT,ESR1,EZH2,FAS,FBXL4,FCER2,H2AFJ,HBEGF,IER3,IGHM,IRF4,IRF8,KCNK6,PHGDH,PIK3CA,PLA2G16,PYCARD,RAP2A,RDH10,REL,SLC22A15,STAT5B,TNF,TNFRSF10C,TNFRSF13B,VIM |
| E2F1 | transcription regulator | 0.0000863 | turquoise | ABCB1,ACTR3,AURKA,BAK1,BID,BIRC5,BUB3,CALM1 (includes others),CAV1,CBX5,CCNA2,CCND2,CDC6,CDK4,CDKN2C,CEBPA,CFLAR,CHEK1,CITED2,CLIC1,COPS8,COX5A,DLEU2,DUSP4,DUT,E2F2,ECT2,EED,EXOSC9,EYA2,EZH2,FAS,FLT1,FOXO1,GMNN,HMGA1,HSP90B1,HSPA8,HSPE1,IRS2,JPT1,MAP3K14,MAP3K5,MCL1,MCM4,MCM6,MDM2,MT1G,MTHFD1,MYB,NCOA3,NDC80,NRIP1,NUSAP1,PA2G4,PAWR,PCLAF,PDCD5,PHC1,PIK3C3,PPM1G,PRPSAP1,PSAT1,QKI,RACGAP1,RRM2,SDHA,SLC3A2,SMARCB1,SMC4,TNF,TOP2A,TYMS,UHRF1,VCP,VEGFA,VIM,WEE1,YBX3,YWHAE |
| NQO1 | enzyme | 0.0000863 | turquoise | BIRC3,BIRC5,C5AR1,CCL5,CCR1,CEBPA,CFLAR,CSF3R,CXCR3,CXCR4,FPR1,PTGS2 |
| EGF | growth factor | 0.0000887 | turquoise | ACTN1,ADA,AQP3,AURKA,B4GALT5,BAK1,BIRC5,CAV1,CCND2,CDK4,CDK5,CEBPB,CEBPD,CFLAR,CSF1R,CXCL2,CXCL8,CXCR3,CXCR4,DAD1,DDX5,DGKD,DUSP4,DUSP6,ENAH,ESR1,ESR2,ETS2,FAM89B,FLT1,GADD45A,HBEGF,HMOX1,ID2,IDI1,IER3,IGFBP4,IL1B,IL7R,IL9R,ITGAM,ITGB1,KLF10,LDHA,LIMK2,MAP3K5,MAPK1,MCL1,NFE2L1,PDCD4,PLAUR,PPIB,PSMB2,PSMB3,PSMB6,PSMB7,PTGS2,PTPN12,PTTG1,RFFL,RRM2,RUNX2,RXRA,S100A10,S100A11,S100A4,S100A9,SERPINA1,SMAD3,ST3GAL3,TFDP1,TGFBR2,TGIF1,TIMP1,TIMP3,TP63,VCAN,VCL,VDR,VEGFA,VIM,XRCC6 |
| CREB1 | transcription regulator | 0.0000897 | turquoise | AKAP13,ALAS1,ARG1,ATF5,ATP1A1,ATP2B4,ATP5ME,AURKA,BAG3,BCAP29,BIRC5,CAMK1D,CAMK4,CAMKK2,CAPN5,CARS,CCL3,CCNA2,CD4,CEBPB,CEBPD,CIITA,CLMP,COCH,COX8A,CR2,CRH,CRYM,CXCL2,CXCL8,CXCR4,CYFIP2,CYP51A1,EHD4,FGL2,FLT1,GADD45A,GALNT1,GPR3,GRIA1,HMOX1,HSPA5,IDI1,IER3,IL1B,IRS2,JPT1,LDLR,LITAF,MARCKSL1,MCL1,MCM6,MIDN,MKI67,MNS1,MRPL49,MTSS1,MYO1B,NFIL3,NREP,PAM,PDXK,PEG10,PLXDC2,PLXNC1,PTGS2,RNH1,RRAS2,SAT1,SEMA4A,SH3KBP1,SHTN1,SIK3,SLC16A1,SMS,SOCS2,SRXN1,SSBP2,SSR4,STRBP,TAGLN2,TFRC,TGIF1,TINF2,TNF,TSHR,TXN,UPP1,UQCRQ,VEGFA,VIM,YPEL1 |
| CDK4/6 | group | 0.000106 | turquoise | AHNAK,CALU,CDC6,EEF1B2,ENO1,FLNA,JPT1,LASP1,MARCKS,NCOA3,PCYT1A,RPL10,RPL13,SEC61B,TALDO1,TPI1,TUBA1B,TUBA1C,TUBB,YLPM1 |
| CXCL12 | cytokine | 0.000107 | turquoise | ACP5,AIF1,ARPC4,BMP6,CANX,CCL5,CD14,CD33,CD36,CD4,CD69,CXCL8,CXCR4,DAD1,FAS,FLNA,IFNAR2,IGFBP7,IL1B,ITGAL,ITGAX,ITGB1,JMJD1C,LCP2,MARCKS,MMP11,NUMA1,PKD1,PRKCD,PTGS2,RUNX2,RUNX3,SELPLG,SOCS2,TIMP1,TNF,TNFRSF10C,TNFRSF1B,VIM,ZBTB16 |
| Gm-csf | group | 0.000109 | turquoise | BIRC5,CCND2,CD14,CD163,CD1A,CD80,CD86,CXCL8,FAS,IL1B,IRAK1,MCL1,PTGS2,SF1,SOCS2,TNF |
| P38 MAPK | group | 0.00011 | turquoise | ANXA5,BIRC5,BNIP3L,CAV1,CCL5,CCND2,CD36,CD55,CD69,CD70,CD80,CD86,CEBPA,CEBPB,CEBPD,CFLAR,CXCL2,CXCL8,CXCR4,FAS,FBXO32,FCER2,FLNA,GCLC,HBP1,HMOX1,HSPA5,IER3,IL1B,IL1RN,IL32,ITGAM,ITGAV,KDELR1,MAP4,MCL1,MEF2C,MIF,MYH11,NFATC4,PLAUR,PRDM1,PTGS2,PTPN12,RUNX2,S100A12,SLC8A1,SMAD3,TBX21,TERF2,TIMP1,TIMP2,TIMP3,TLR2,TNF,TOP2A,TP53I3,TRADD,TREM1,TRIB1,VDR,VEGFA |
| MDM2 | transcription regulator | 0.00011 | turquoise | BIRC5,CCNA2,CDK4,CXCL8,DDX5,ESR2,HIPK2,IL1RN,LYZ,MDM2,MDM4,NDUFA1,RABAC1,RPL23,TFDP1,TIMP1,TOP2A,TP53I3,TP63 |
| TNFRSF8 | transmembrane receptor | 0.000112 | turquoise | AHNAK,CCL3,CDC5L,CTSC,CXCL8,CXCR4,FAS,GCLC,GZMB,IRF4,LCP2,NKG7,PBX3,PRF1,TNF,TNFRSF25,VCL |
| PPARA | ligand-dependent nuclear receptor | 0.000112 | turquoise | ABCB4,ACAA2,ACSL1,ANAPC5,ANXA2,APOA2,AQP3,AQP9,ARG1,ASL,ATP5F1B,AURKA,BCKDK,CCNA2,CD36,CD63,CDK4,CDKN2C,CDS2,CEBPA,CEBPB,CEBPD,CROT,CYP51A1,DBI,DYNLL1,ELOVL5,ETHE1,FABP5,GLUD1,GLUL,GOT2,GSTK1,H2AFZ,HMOX1,HSD17B10,IDI1,IL1B,IL1RN,KIF20A,KIF2C,LGALS4,MGLL,MGST1,MKI67,MMD,NR1D1,PAQR7,PLIN2,PMVK,PPA1,PTGS2,QPCT,RBP7,RTN4,S100A8,S100A9,SAT1,SMC4,SOCS2,SRM,SYCP3,TALDO1,TBX21,TLR2,TMTC2,TNF,TOP2A,TP63,TXN,UQCRC1,VEGFA |
| PLAU | peptidase | 0.000112 | turquoise | ABCG1,ANG,ARG1,C5AR1,CCL5,FLT1,HLA-DMA,HSPA5,IFNAR2,IL1B,ITGAV,MDM2,PLAUR,S100A8,S100A9,SLFN13,TNF,VIM |
| Bay 11-7082 | chemical - kinase inhibitor | 0.000112 | turquoise | CCL5,CITED2,CXCL2,CXCL8,FLT1,HAX1,HMOX1,HSH2D,HSPA5,ICOSLG/LOC102723996,IL1B,MCL1,PTGS2,S100A4,SAMSN1,TLR2,TNF |
| triamterene | chemical drug | 0.000112 | turquoise | ANXA1,ANXA2,BIRC3,CD14,FCGR2A,FXYD5,IER3,LGALS3,PLA1A,PSMB10,S100A10,S100A11,TES,TGIF1,TIMP1,TUBB,UPP1,VIM |
| lipoteichoic acid | chemical - endogenous non-mammalian | 0.000112 | turquoise | CCR1,CD14,CD80,CD86,CXCL8,CXCR4,HMOX1,IL1B,IL1RN,NLRP3,POU2AF1,PTAFR,PTGS2,SLC16A3,TLR2,TLR4,TNF,TREM1 |
| triamcinolone acetonide | chemical drug | 0.000113 | turquoise | ACSL1,AKAP13,AQP3,BID,BMP6,CBX4,CCDC6,CD22,CDC5L,CHL1,E2F2,ELK3,EPHA4,FKBP5,GPR18,GZMA,HIPK2,IGFBP4,KLF10,KLF9,LDLR,LSP1,MT1E,MT1G,MT1X,MT2A,NFATC3,NR3C1,PALLD,PDIA5,PLXNC1,PRF1,SF1,SLC16A1,SLC9A3R1,SOCS2,SPRY1,SRGN,TGFB2,TRIB1,TXNIP,ZBTB16,ZFAND5 |
| BRD4 | kinase | 0.00012 | turquoise | ABCC4,ABLIM1,CCND2,CCR1,CD4,CEBPA,CXCL2,CXCR4,CXCR5,DCPS,DERL3,FKBP11,FOSL2,GFI1,GTF3C6,HMOX1,HS1BP3,ID2,IGLL1/IGLL5,IL7R,IRF4,IRF8,ITGB1,JARID2,MCL1,MYB,PRDM1,SRM,TIMP1,XBP1 |
| resveratrol | chemical drug | 0.000122 | turquoise | AIF1,ALOX5,BIRC3,BIRC5,BSG,CCL3,CCL5,CCND2,CD14,CD163,CD36,CD69,CDK4,CFLAR,CREBBP,CSF1R,CX3CR1,CXCL2,CXCL8,CYP1B1,DAPK1,DYNLL1,ESR1,ESR2,FAS,FOSL2,FOXO1,GPX1,GSTK1,HDGF,HMOX1,HSPA5,IL1B,IL7R,ITGAL,LDLR,LITAF,MCL1,NDUFA13,NDUFA2,NDUFB8,NRIP1,PDCD4,PTGS2,SOD1,TFRC,TGFB2,TNF,VDR,XBP1 |
| hydrocortisone | chemical - endogenous mammalian | 0.000123 | turquoise | CCND2,CD163,CD80,CD86,CEBPA,CEBPB,CEBPD,CFD,CRH,CXCL8,CXCR4,DDX17,FAS,FGF9,GLUL,GNAS,IGFBP4,IGFBP7,IL1B,ITGAM,NDUFA6,NOTCH4,NR3C1,NUSAP1,PTGS2,S100A8,TLE2,TLR2,TNFAIP2,TP53I11,TUBB |
| YY1 | transcription regulator | 0.000124 | turquoise | ARID3A,ARID3B,AURKA,BAK1,BIK,BIRC5,BMP6,BTLA,BUB1B,CCNA2,CD22,CD93,CDC6,CDCA3,CDKN2C,CEBPB,CIITA,COL19A1,CR2,CXCR4,EEF1B2,FAS,HIST1H3C,HMOX1,HSPA5,ICOSLG/LOC102723996,ID2,IGLL1/IGLL5,IL1B,JCHAIN,KIF11,KIF20A,KIF2C,LDLR,LMNB1,MCM4,MCM6,MDM2,MKI67,MYH11,NR3C1,PAWR,PERP,SLC25A4,SNRPN,TGFB2,TGFBI,TOP2A,UHRF1,USP14,VEGFA,YWHAE |
| phorbol 12,13-dibutyrate | chemical - endogenous non-mammalian | 0.000126 | turquoise | CCND2,CD55,CD93,CXCL8,MDM2,PRKCB,PRKCD,PRKCE,PTAFR,PTGS2,RRM2,TNF |
| 15-deoxy-delta-12,14 -PGJ 2 | chemical - endogenous mammalian | 0.000127 | turquoise | BAK1,BIRC3,BIRC5,CCL3,CCL5,CCND2,CD200,CD36,CDK4,CEBPD,CFLAR,CIITA,CXCL2,CXCL8,E2F2,ESR1,FLT1,GADD45A,GCLC,HMOX1,IL1B,ITGAM,MCL1,MYB,MYH11,PRDX1,PTGS2,RARRES3,REL,RORA,RUNX2,SOD1,TBXAS1,TGIF1,TNF,VEGFA |
| CACNA1C | ion channel | 0.000129 | turquoise | ANXA2,CAV1,ENO1,PTGS2,S100A10 |
| BCL2 | transporter | 0.000131 | turquoise | AIF1,BAK1,CCNC,CXCL8,FAS,GADD45A,GCLC,GZMA,HAVCR2,IL1B,ITGB1,MCL1,MDM2,PLAUR,PRDM1,PRF1,RBL2,TGFB2,TIMP1,TIMP2,TNF,VDAC1,VEGFA |
| tanespimycin | chemical drug | 0.000131 | turquoise | AHR,BAK1,BIRC3,BIRC5,BRAF,CALM1 (includes others),CAV1,CDK4,CFLAR,CXCL8,FAS,HSP90AB1,HSP90B1,HSPA5,HSPA8,HSPA9,IL6R,LAT,LDHA,LYN,MCL1,MIF,POLR2L,PRDX3,PSMA7,RPS8,TYMP,VEGFA |
| IFI16 | transcription regulator | 0.000132 | turquoise | CCL3,CCL5,CSF3R,CXCL8,E2F2,ESR1,GADD45A,GPX1,ID2,IL1B,IL1RN,IL2RB,IL7R,LDLR,MDM2,MGST1,MIF,MTHFD2,SOD1,TNF |
| IL7R | transmembrane receptor | 0.000142 | turquoise | AHR,APLP2,ARHGAP32,BAK1,BEND5,CD19,CXCL8,DAPK1,ETS2,EZH2,FAM49A,FBXL16,IGHM,IL7,IRF4,MCL1,OLAH,PAX5,PRKCE,SKAP1,SOCS2,SPON1 |
| SLC29A1 | transporter | 0.000143 | turquoise | AQP3,FAS,GADD45A,ITGB1,MDM2,RPL3,RPS27L,RRM2B,TP53I3 |
| phenethyl isothiocyanate | chemical drug | 0.000143 | turquoise | ATP6V0E1,BAK1,BIRC5,CAPN2,CASD1,DDX5,EEF2K,ESR1,GATD3A/GATD3B,GSTK1,H2AFZ,HMMR,MCL1,MGST1,PCLAF,PSMA6,PSMB3,PTPRE,RABIF,RPL3,TMED2,TXN,USP14,VEGFA |
| CDKN2A | transcription regulator | 0.000145 | turquoise | ANAPC5,BIRC5,BUB1B,CCL5,CCNA2,CDCA5,CDCA7L,CDKN2C,CEBPB,CEBPD,CITED2,CXCR5,DDR1,DDX5,DYNLRB1,E2F2,EED,EHD3,EPS8,EZH2,GNAS,GSPT1,IL1B,IL5RA,ITGAV,LGALS3,MCL1,MCM4,MDM2,MDM4,MKI67,NR3C1,PBX3,PMEPA1,POU2AF1,PPFIBP1,PSMA5,PTGS2,RRM2,RRM2B,S100A6,SH3BP2,TFDP1,TGIF1,TLR4,TNF,TNFRSF1B,TOB2,TP63,VEGFA,VIM,VPS41,ZNF655 |
| KLF2 | transcription regulator | 0.000147 | turquoise | CAV1,CCL3,CCL5,CD1A,CD36,CD55,CD93,CEBPA,CNP,CR2,CX3CR1,CXCL2,CXCL8,CXCR3,CXCR4,CXCR5,CYP1B1,FLT1,GADD45A,GLUD1,ICOSLG/LOC102723996,IL1B,ITGB7,KCNN4,MAP3K5,MT2A,PTGS2,RUNX2,SELPLG,TFRC,TGFB2,TIMP1,TNF,WEE1 |
| CG | complex | 0.000148 | turquoise | ABCB1,ACSL1,APCDD1,ARNT,BCAT1,BTG1,CAMK4,CCND2,CD93,CDC6,CDK4,CEBPA,CEBPB,CEBPD,CXCL8,CXCR4,DBI,DNAH11,DTL,DUSP6,ELK3,ESR2,FABP5,FAM198B,FAS,FGF9,FGL2,FZD1,HMGA1,IER3,IGFBP4,IL1B,IL4R,IRS2,ITGAV,ITGB1,LDLR,MCL1,MRPS6,NR2F1,NRIP1,NUCB2,PDE4D,PFKFB3,PLAUR,PLXND1,PODXL,PTGS2,RORA,RUNX2,S100A10,S100A6,SLC52A2,SRXN1,TGFB2,TGFBR3,TIMP1,TNF,TSHR,TSPAN13,UPP1,VCAN,VEGFA |
| STAT5A | transcription regulator | 0.000152 | turquoise | ABCB1,ARNT,BCL11A,BIRC3,CCL5,CCND2,CD70,CDK4,CEBPA,CEBPB,CFLAR,CHEK1,CXCL2,CXCR3,CYP1B1,DYNLRB1,ESR1,ESR2,EZH2,FAM198B,FAS,FCER1G,FKBP14,FOSL2,GADD45A,GZMA,GZMK,ID2,IL2RB,IL6R,IL7R,KLF10,MCL1,MDM2,PPFIBP2,PRDM1,PRF1,QPCT,RARRES3,RIN2,RORA,RUNX2,SOCS2,STAT5B,TBX21,TGFBI,TGFBR2,TNF,TNFRSF25,TSPAN13,TXNIP,WARS |
| KITLG | growth factor | 0.000154 | turquoise | AIF1,ALOX5,BIK,BIRC5,BTG1,CCNA2,CD14,CEBPA,CLIC1,CREG1,CSF3R,CXCL2,CXCL8,CXCR4,FABP5,HMOX1,ID2,IGHM,IL16,IL1B,IL1RN,ITGAV,KPNA2,LDLR,MEF2C,MID1IP1,MYB,NR3C1,PDCD4,PIK3IP1,PKM,PLCL2,PRKCB,PRKCE,PTGES3,PTGS2,RPL7,RPLP0,SAMSN1,SLC4A1,TNF,TXNIP,WDR1,WEE1 |
| HSPA1A/HSPA1B | enzyme | 0.000154 | turquoise | BRAF,CXCL2,CXCL8,IL1B,PTK2,TNF,XBP1 |
| LY-2510924 | biologic drug | 0.000154 | turquoise | CD14,CD300A,LILRA5,LILRB3,RPL23,S100A12,TREM1 |
| simvastatin | chemical drug | 0.000154 | turquoise | ABCB4,ABCG1,ACP5,ACVR1,ANXA1,ASL,BIRC5,C5AR1,CCL3,CCND2,CD14,CD55,CDK5,CFLAR,CIITA,COTL1,CXCL2,CXCL8,ESR1,ETV4,HMOX1,HS3ST1,IL1B,ITGAL,LDLR,MKI67,NRIP1,PTGS2,RHOU,S100A6,SLC16A7,STAT4,TIMP1,TLR2,TLR4,TNF,TYMS,VEGFA,VIM,ZIK1 |
| cholecalciferol | chemical - endogenous mammalian | 0.000173 | turquoise | ALOX5,ANXA2,BIRC5,CALCR,CCL5,CD14,CD300A,CD38,CD80,CD86,CEBPA,CEBPB,CEBPD,FCAR,ITGAM,ITGAX,MS4A6A,NFYA,PIP5K1B,PRKCB,PTPRB,RUNX2,RUNX3,TGFBR2,TNF,TREML2,VDR |
| infliximab | biologic drug | 0.00018 | turquoise | CCND2,CDC6,CXCL8,DUSP4,EED,FCGR2A,FCGR2B,GNLY,GZMB,IL1B,MT1X,MYO1B,NAMPT,PRF1,PTGS2,TNF,VEGFA,WEE1 |
| 2-bromoethylamine | chemical reagent | 0.000181 | turquoise | ANXA1,ANXA2,CD14,FCGR2A,FXYD5,IER3,LGALS3,PLA1A,S100A10,S100A11,TGIF1,TIMP1,TUBB,UPP1,VIM |
| FLT3LG | cytokine | 0.000185 | turquoise | ADGRE5,BIRC5,CD19,CD80,CD86,CEBPA,CEBPB,CXCL2,ID2,IL15RA,IL2RB,IL7R,ITGAM,MCL1,PAX5,SPN |
| LY294002 | chemical - kinase inhibitor | 0.000188 | turquoise | ABCB1,AQP3,AURKA,BAK1,BIRC3,BIRC5,BSG,BUB1B,CCL5,CCNA2,CCND2,CCR1,CD14,CD36,CD38,CD69,CD74,CD86,CDK4,CEBPA,CEBPB,CFLAR,CNR1,CST3,CXCL2,CXCL8,DUSP4,DUSP6,ESR1,ETS2,FAS,FLT1,FOXO1,GCLC,HAVCR2,HBEGF,HMOX1,HSP90AB1,HSPA5,IDE,IDI1,IER3,IGHM,IL1B,IL1RN,IL32,IRS2,ITGAM,ITGAV,KLF10,MCL1,MDM2,MEF2C,MT2A,MYB,MYH11,NDC80,NFATC3,PGK1,PRDX1,PTGS2,RAB11A,RAP2A,RBL2,RUNX2,SATB1,SOCS2,SPN,SPRY1,TLR2,TNF,TNFRSF1B,TOP2A,TREM1,TTN,TYMP,TYMS,UBE2C,VAMP1,VCAN,VEGFA,VIM,ZBTB16,ZWINT |
| TNFSF10 | cytokine | 0.00019 | turquoise | BAK1,BID,BIRC3,BIRC5,CD14,CD69,CFLAR,CXCL8,CXCR4,IL1B,IL1RN,ITGAM,MCL1,PRKCE,PSME2,PTGS2,TFRC,TIMP1,TNF,TNFAIP2,TNFRSF10C,TP63,VEGFA |
| Sos | group | 0.000195 | turquoise | AFF4,ANK3,APLP2,AQP3,ARID3A,ARNT,ATF7IP,CADM1,CAMK2D,CLIP1,CREBBP,CTNND1,DAP,DAPK2,ENAH,EPS8,GBA,HMMR,HMOX1,HSD17B10,IRS2,ITGB1,KCNN4,KIF1B,LGALS4,LRP8,MGST1,NFIL3,NRIP1,PIP5K1B,PMEPA1,PTGS2,PTPN12,PTTG1,QKI,SIRPA,STX11,TBL1X,UTRN,ZHX2 |
| tetraethylammonium | chemical drug | 0.000209 | turquoise | ATP5PD,GSTO1,HSPA8,HSPA9,PAFAH1B3,PRDX3,PSMA6,RPLP0,SARS,SRI,SSR4,TCP1,TPI1 |
| CYP2E1 | enzyme | 0.000212 | turquoise | C5AR1,CD14,GCLC,HMOX1,MGST1,PTGS2,TLR4,TNF |
| TREM2 | transmembrane receptor | 0.000212 | turquoise | CD86,CX3CR1,CXCL2,IL1B,IRF8,PTGS2,TNF,TREM1 |
| progesterone | chemical - endogenous mammalian | 0.000215 | turquoise | ABCB1,ABCB4,ACP5,ACSL1,ADARB1,AK3,ALDH1A1,ARNTL,ASGR2,ATP1B1,AURKA,BCAT1,BIRC3,BSG,C5AR1,CADM1,CAV1,CCNA2,CD36,CD86,CDT1,CEBPB,CEBPD,CFD,CITED2,CNR1,CRH,CSF3R,CST3,CXCL8,CXCR4,CYP1B1,ELL2,ESR1,ESR2,FAM49A,FKBP5,FLT1,FMO5,FOXO1,GRIA1,HBEGF,HSPA8,HSPB11,IDE,IDH2,IL6R,IRS2,ITGB1,KCNG1,KLF10,KLF9,LDHA,LGALS1,LGALS3,LITAF,MCM4,MCM6,MCOLN2,MDM2,MKI67,MT2A,MTSS1,MYB,MYO1D,NCAPH,NFIL3,NOP16,NPL,PARM1,PBX3,PFKFB3,PIP5K1B,PKM,PNKD,PRPSAP1,PTGS2,RAP1B,RNASE4,RRM2,RTN4,S100A6,SMPDL3A,STAT5B,TGFB2,TGFBI,TGFBR3,TIAM1,TIMP1,TIMP3,TNF,TRAF5,TYMP,VDR,VEGFA,VIM,WNT7B |
| TLR2 | transmembrane receptor | 0.000218 | turquoise | APOBEC3G,ARG1,CCL5,CCR1,CD1A,CD69,CD70,CD80,CD86,CEBPB,CEBPD,CXCL2,CXCL8,GATA3,HMOX1,IL15RA,IL1B,IL1RN,IRAK1,ITGB7,MCOLN2,PTGS2,TBX21,TLR2,TLR4,TNF,TREM1,TRIM38,VDR,XBP1 |
| RB1 | transcription regulator | 0.000223 | turquoise | ATP1A1,ATP1B1,ATP5F1A,ATP6V1D,BAK1,BIRC5,CBX5,CCNA2,CDC6,CDCA5,CDCA7L,CDT1,CEBPA,CITED2,COX14,COX17,COX6B1,COX7A2,CXCL8,DYNLRB1,EED,EHD3,EPS8,EZH2,FAS,FLT1,GADD45GIP1,GMNN,GRPEL1,MAPK1,MCM4,MCM6,MEF2C,MRPL12,MT1G,MYB,NDUFA13,NDUFA2,NDUFA6,NDUFA9,NDUFB10,NDUFB8,NDUFS4,PBX3,PCLAF,PGD,PMEPA1,PPARGC1B,PPFIBP1,RBL2,RRM2,SDHB,SH3BP2,TFDP1,TGFB2,TNF,TOB2,TUBG1,TXN2,TYMS,UQCRC1,UQCRQ,VDAC1,VEGFA,YWHAE,ZNF655 |
| IGHM | transmembrane receptor | 0.000226 | turquoise | CCL5,CCND2,CD22,CD80,CD86,CDK4,FAS,IL1B,LGALS3,SLAMF7 |
| fenamic acid | chemical reagent | 0.000226 | turquoise | ANXA1,ANXA2,BIRC3,CD14,FCGR2A,FXYD5,IER3,LGALS3,PLA1A,PSMB10,S100A10,S100A11,TES,TGIF1,TIMP1,TUBB,UPP1,VIM |
| tosylphenylalanyl chloromethyl ketone | chemical - protease inhibitor | 0.000226 | turquoise | BAK1,BIRC3,CXCL2,CXCL8,GCLC,GZMB,HAX1,PRF1,PTGS2,TNF |
| lipoarabinomannan | chemical - endogenous non-mammalian | 0.000232 | turquoise | CCL3,CD14,CXCL2,CXCL8,CXCR4,IER3,IL1B,TLR4,TNF |
| C5AR1 | G-protein coupled receptor | 0.000237 | turquoise | C5AR1,CD55,CD80,CD86,CXCL2,CXCL8,ERN1,FCER1G,FCGR2A,FCGR2B,HSPA5,IL1B,TGFB2,TGFBR2,TNF |
| peptidoglycan | chemical - endogenous non-mammalian | 0.000244 | turquoise | CCL3,CCL5,CD200,CD69,CD80,CD86,CXCL2,CXCL8,CXCR4,FAS,HMOX1,IL16,IL1B,IL1RN,MCL1,NLRP3,POU2AF1,PTGS2,S100A8,S100A9,TLR2,TLR4,TNF,VDR |
| cerivastatin | chemical drug | 0.000247 | turquoise | AGTRAP,CCL3,CD36,CD70,CNP,CXCL8,CYP1B1,DBI,GPX1,HMOX1,IDI1,ITGAL,NFYA,PLAUR,PTGS2,S100A8,S100A9,TGFBR3,TNF,VEGFA |
| cobalt chloride | chemical reagent | 0.000247 | turquoise | ALDOA,BHLHE41,COL18A1,CXCL8,CXCR4,CYP1B1,FLT1,HMOX1,HSP90AB1,MCL1,MDM2,MIAT,PGK1,PKM,PLAUR,PTGS2,SORL1,TFRC,VDAC1,VEGFA |
| CD44 | other | 0.000254 | turquoise | AAK1,ABCB1,ADGRE1,BIRC3,BIRC5,CCL5,CCND2,CD36,CD63,CD69,CD8A,CLEC7A,COL18A1,CX3CR1,CXCR3,FAS,FKBP5,GADD45A,HDGF,HMMR,HSP90AB1,IL1B,IL1RN,ITGAV,ITGAX,LAMC1,LGALS1,LGALS3,MBNL3,MCL1,MYO1B,PDCD4,PMEPA1,SERPINA1,TIAM1,TNF,VCP,VIM,ZYX |
| WT1 | transcription regulator | 0.000255 | turquoise | ACTN1,ADGRE5,APLP2,ATP5ME,BAK1,CDKN2C,CLIC1,CSF1R,DESI1,EPS8,ESR1,ETFA,HBEGF,HSP90B1,IDI1,IL1B,IL2RB,IRF8,ITGAM,LGALS3,MAPRE2,MCL1,MDM2,MGST1,MT1X,MYL6,NUCB1,PDIA4,PLAUR,PODXL,PPIB,RALGPS2,SEC13,SH3BP5,SMAD3,SMC1A,SPRY1,ST6GAL1,TARS,TIMP3,TYROBP,VDR,VEGFA,WARS,ZMIZ1 |
| PRL | cytokine | 0.000273 | turquoise | ACTR3,ANXA2,ANXA5,ATP5PD,CAMK2N1,CAPN2,CAV1,CD69,CDK4,CEBPD,CNN3,CRH,CST3,CTSA,ELOC,ENO1,ESR1,ESR2,GPSM1,GSTM1,ID2,IDE,LAMC1,MAGED1,MGST1,MLKL,N4BP1,P4HB,PARM1,PDIA4,PDIA5,PKIG,PPM1K,PSME2,PTPN18,RABAC1,REC8,RNASE4,SAMHD1,SND1,SOCS2,SOD1,TIMP1,TIMP2,TNF,TP63,TRIM14,TUBA1B,VDR,VIM |
| LCN2 | transporter | 0.000282 | turquoise | ACTN1,ANLN,ARG1,ATF5,CCL5,CXCL2,DIAPH1,ESR1,HMOX1,IL1B,IL1RN,KIF11,LDLR,RUNX2,RXRA,TAGLN2,TNF,VIM |
| RPTOR | other | 0.000282 | turquoise | ADGRE1,BIRC5,CD86,CSF1R,CYP51A1,DUSP6,ENO1,GPI,IDI1,IL1B,IRF8,LDHA,NLRP3,PKM,PMVK,PYCARD,TNF,TPI1 |
| glucocorticoid | chemical drug | 0.000287 | turquoise | AHR,ALOX5,ANXA1,BMP6,CCL3,CCL5,CD163,CD69,CD74,CDK4,CEBPB,CEBPD,CLEC11A,CNR1,CR2,CRH,CRIP1,CSF1R,CXCL2,CXCL8,CXCR4,FAS,FCER2,GLUL,GZMB,HLA-DOA,HLA-DOB,HMOX1,IGHM,IL16,IL1B,IL1RN,IL6R,IRF8,MIF,MT2A,NR3C1,PTGS2,RRM2B,SF1,STX11,TCL1A,TGFB2,TLR2,TNF,TXNIP,VDR,VEGFA,ZBTB16 |
| ATP | chemical - endogenous mammalian | 0.000289 | turquoise | AHR,ARG1,BIRC5,CAPN2,CD14,CD200,CD86,CXCL2,CXCL8,CXCR4,FLNA,FOXO1,GCLC,HBEGF,IL1B,IL1RN,ITGAM,PTGS2,SAT1,TLR4,TNF,TNFRSF1B,TUBB3,TXN |
| MYD88 | other | 0.000295 | turquoise | ACSL1,AK3,ALDH1A1,APOBEC3B,ARG1,CCL5,CD14,CD200,CD38,CD80,CD86,CEBPD,CFLAR,CXCL2,CXCL8,ETS2,FBXO32,FCER1G,FPR1,HMOX1,HSP90AB1,HSPA5,IL1B,IL1RN,IL32,IL7,IRF8,ITGAX,ITGB7,MKI67,PILRA,PSTPIP2,PTGS2,S100A8,SAMHD1,SH3BP5,SLC16A3,SLCO3A1,TBX21,TFEC,TIMP1,TLR2,TNF,TNFRSF13B |
| lomustine | chemical drug | 0.000295 | turquoise | ANXA1,ANXA2,BIRC3,CD14,FCGR2A,FXYD5,IER3,LGALS3,PLA1A,S100A10,S100A11,TES,TGIF1,TIMP1,TUBB,UPP1,VIM |
| HDL | complex | 0.0003 | turquoise | ABCG1,CCL5,CD80,CD86,CX3CR1,CXCL8,HSPA5,IL1B,ITGAM,ITGAV,ITGB1,LDLR,PTGS2,TNF |
| CD70 | cytokine | 0.0003 | turquoise | CCND2,CD27,CD69,CD70,CR2,FAS,PRDM1 |
| PDCD1 | phosphatase | 0.000304 | turquoise | CCNA2,CD80,CD86,CST7,CXCL8,FAS,GNLY,GZMA,GZMB,HIST1H3B,HLA-DMA,KPNA2,MKI67,RAB30,TNF,TOP2A |
| BNIP3L | other | 0.000304 | turquoise | AURKA,CCNA2,CD19,CD22,CHEK1,CST3,EIF2AK1,GADD45A,IL16,IL2RB,KIF11,RRM2,TFDP2,TFRC,TIMP2,TOP2A |
| poly rI:rC-RNA | biologic drug | 0.000305 | turquoise | ANXA1,APOBEC3G,BAK1,BIRC3,CCL3,CCL5,CD14,CD200,CD33,CD36,CD69,CD70,CD74,CD80,CD86,CEBPB,CEBPD,CFLAR,CLEC7A,CNP,CXCL2,CXCL8,CXCR4,FAS,FCGR2B,FCN1,FPR1,GATM,HBEGF,HLA-B,HLA-J,IL15RA,IL1B,IL32,IL4R,IQGAP2,IRAK1,IRAK2,ITGAM,ITGAX,KMO,KYNU,LIMK1,LYN,LYZ,MYB,NAMPT,NFIL3,NKG7,NLRP3,PLAUR,POU2AF1,PRKCD,PSMA3,PSME2,PTGS2,RARRES3,RC3H2,REL,SAT1,SRGN,ST6GAL1,STAB1,TLR2,TLR4,TNF,TNFAIP2,TP53I3,TSHR,VEGFA,VIM |
| SB203580 | chemical - kinase inhibitor | 0.000311 | turquoise | AIM2,ANXA1,APOBEC3B,APOBEC3G,AQP9,ARG1,BIRC5,CCL3,CCL5,CD1A,CD200,CD55,CD69,CD80,CD86,CEBPD,CIITA,CST7,CX3CR1,CXCL8,CYP1B1,CYP51A1,ENO1,ETS2,FAS,FCER2,FLT1,FYB1,GADD45A,GBP4,GLRX,GPI,GZMB,HCAR3,HMOX1,HSPA5,IER3,IL1B,IL1RN,IQSEC1,ITGAM,LIMS1,MYH11,NAMPT,PALLD,PLA1A,PLAUR,PPARGC1B,PRDX1,PTGS2,RARRES3,REL,RNF149,RUNX2,S100A10,SECTM1,SMAD3,TCL1A,TGFB2,TIMP1,TIMP2,TIMP3,TLR2,TNF,TOX,TP63,TRADD,TREM1,TYMP,VDR,VEGFA,VIM,XYLT1 |
| IL10RA | transmembrane receptor | 0.000314 | turquoise | ABAT,ABCB1,ABCG1,ACSL1,ALOX5,BOC,CCL5,CD300LF,CD36,CD69,CLEC12A,CSF3R,CST7,CYFIP2,ERO1A,FABP5,FADS3,FAS,FOLR2,GPR18,GSAP,GSTM1,GSTM2,HSPA8,IL15RA,IL18BP,IL1B,IL1RN,IRGM,ITGAM,ITGB7,MLKL,MSRB1,MYB,NAMPT,NPL,PAM,PARVG,PLA2G16,SAMHD1,SECTM1,SERPINB6,SIRPB1,SLC16A3,SPON1,ST3GAL6,TFEC,TLR2,TNF,TREM1,UPP1 |
| troglitazone | chemical drug | 0.000315 | turquoise | ABCG1,ABHD2,ACSL1,ALAS1,ANXA2,AQP3,ARF4,BAK1,BIRC3,BIRC5,C12orf42,CARS,CAV1,CCL3,CCL5,CCND2,CD36,CD59,CD80,CD86,CDCA7L,CDK4,CDKN2C,CEBPA,CEBPD,CFD,CFL1,CFLAR,CIITA,CXCL8,DBI,E2F2,ECT2,ERO1A,FABP5,FBXW7,GADD45A,GRK3,HIPK2,HMGB3,HMMR,HMOX1,HSPA5,IL1B,MCL1,MKI67,MT1G,MYB,MYH11,NCAPH,NRIP1,PLIN2,PTGS2,QKI,RACGAP1,RGS10,TALDO1,TBXAS1,TGIF1,TNF,TST,VEGFA,WEE1 |
| fulvestrant | chemical drug | 0.000316 | turquoise | ATP5F1B,AURKA,BAK1,BIK,BIRC5,CAV1,CCL5,CCNA2,CD74,CDKN2C,DYNLL1,ESR1,ESR2,FGF9,FKBP1A,FLT1,FOSL2,GADD45A,ID2,IER3,IL1B,ITGB1,KIF11,KLF10,LDLR,LRP8,MANF,MAPK1,MMD,MTHFD1,MYB,MYO1B,NCOA3,PAX5,PDCD4,PTGS2,PTTG1,RBL2,SKA2,SLC9A3R1,SOD1,TFRC,TGFB2,TGFBR3,TNF,TUBA4A,UBE2C,VEGFA,WEE1 |
| berberine | chemical drug | 0.000323 | turquoise | ATP5F1A,ATP5MC2,BIRC3,BIRC5,BSG,CD80,CD86,CDK4,CFLAR,CXCL8,GRK3,HMOX1,IL1B,LDLR,MCL1,MDM2,PTGS2,SAT1,TBX21,TIMP1,TNF,VEGFA,VIM |
| clofibrate | chemical drug | 0.000333 | turquoise | ABCC4,ANXA7,BSG,CCND2,CD36,CDS2,CHEK1,CROT,CXCL8,FAS,GADD45A,HMOX1,IL1RN,LDLR,MYB,NAP1L1,PDCD4,PTGS2,RORA,RTN4,TNF |
| KDM5B | transcription regulator | 0.000334 | turquoise | ARL6IP5,AURKA,BUB1B,BUB3,CAV1,CDCA3,DLGAP5,ECT2,EHD1,ESR1,FABP5,GADD45A,HMMR,HSD17B8,KIF2C,MIA3,MT1E,MT1X,NCAPH,NDC80,PHF20,PPOX,SAT1,SMARCA2,SMOX,SWAP70,TGFB2,TOP2A,WNT7B,XBP1 |
| FCGR2A | transmembrane receptor | 0.000337 | turquoise | CCL3,CCL5,CXCL2,CXCL8,FAS,FCGR3A/FCGR3B,IL1B,PTGS2,TNF,VEGFA |
| MALP-2s | chemical reagent | 0.000337 | turquoise | CD86,CXCL2,IL15RA,IL1B,ITGAM,MCL1,PTGS2,TLR2,TLR4,TNF |
| hemozoin | chemical - endogenous non-mammalian | 0.000337 | turquoise | CCL3,CCR1,CD80,CXCL2,CXCR4,HMOX1,IL1B,S100A8,S100A9,TNF |
| STAT1 | transcription regulator | 0.000342 | turquoise | ABCB9,APOBEC3B,APOBEC3G,ARG1,BIRC5,BTG1,CAND2,CCL3,CCL5,CCND2,CD14,CD86,CEBPD,CIITA,CSF3R,CX3CR1,CXCL2,CXCL8,CXCR3,FAS,FCER1G,FCGR2B,FGL2,FOXO1,FURIN,GATA3,GBP4,HAVCR2,IFI30,IL15RA,IL18BP,IL1B,IRF8,ITGAX,KCTD12,LY96,MDM2,PHACTR1,PPARGC1B,PRF1,PRKCE,PSMB10,PSME2,PTGS2,S100A10,SAMHD1,SLC51B,SLC8A1,SLFN13,SMAD3,SMARCB1,TBX21,TLR4,TNF,TYMP,WARS |
| cholesterol | chemical - endogenous mammalian | 0.000358 | turquoise | ABCG1,ACSL1,ADGRE1,AQP9,BSG,CAMK1D,CAV1,CD14,CR1,CXCL2,CXCL8,DBI,FABP5,FCGR2B,FLT1,GBA,HBEGF,HSP90B1,HSPA5,IDI1,IL1B,IL1RN,ITGAM,ITGAX,LDLR,LGALS3,LYZ,MANF,MYH11,PMVK,PSAT1,PTGS2,S100A8,STARD4,TIMP1,TIMP3,TLR4,TNF,XBP1 |
| doxifluridine | chemical drug | 0.000359 | turquoise | AQP3,FAS,GADD45A,MDM2,RPL3,RPS27L,RRM2B,TP53I3 |
| FCGR2B | transmembrane receptor | 0.000359 | turquoise | AIM2,CCL3,CCL5,CCND2,CD80,CD86,TNF,VEGFA |
| SP1 | transcription regulator | 0.000367 | turquoise | ABCB1,ABHD2,ACSL1,ADA,ALOX5,ATP5F1B,B4GALT5,BACE2,BIRC5,BNIP3L,CAV1,CCL5,CCNA2,CCND2,CD55,CD59,CD99,CDK4,CDKN2C,CEBPA,CEBPB,CEBPD,CIITA,CITED2,CR2,CXCL8,CXCR4,CYP1B1,CYP51A1,DIAPH1,ESR1,FAS,FDX1,FLNA,FLT1,FOLR2,GNAS,GRIA1,HBEGF,HMGA1,HMOX1,HSPA5,IGFBP4,IL1B,IL21R,IL2RB,IL4R,IRF4,ITGAM,ITGAV,ITGAX,ITPR1,LDLR,MCL1,MMP11,MYH11,NCOA3,PCYT1A,PGK1,PKM,PLAUR,PRKCB,PRKCD,PRKCE,PTGS2,PTTG1,RUNX2,SF1,SLC11A1,SLC25A4,SLC31A1,SMAD3,SNRPN,SOD1,SPN,TGFB2,TGFBR2,TGFBR3,THRB,TIMP1,TIMP2,TIMP3,TLR2,TNF,TRIB1,TYMS,UFD1,VDR,VEGFA,VIM |
| E. coli lipopolysaccharide | chemical - endogenous non-mammalian | 0.000369 | turquoise | CCL3,CCL5,CD80,CD86,CEBPA,CEBPB,CEBPD,CXCL2,CXCL8,IL1B,IL32,PMVK,S100A8,S100A9,TLR4,TNF,TREM1 |
| ITGB2 | transmembrane receptor | 0.000378 | turquoise | CCL3,CD69,CD86,CXCL2,GATA3,ICOSLG/LOC102723996,ITGAL,PTGS2,RUNX2,TBX21,TGFBR2,TNF,VEGFA |
| Pln | other | 0.000385 | turquoise | ALDOA,ANXA2,ATP1A1,CALU,ENO1,HSP90B1,ITGB1,MYL6,PGK1,PRKCB,PRKCE,SGCB,SOD1,TPI1,VCP,VIM |
| GATA3 | transcription regulator | 0.000386 | turquoise | AURKAIP1,BCL11A,BCL11B,BHLHE41,BIK,CCL5,CCR1,CD4,CDKN2C,CEBPA,CSF1R,CXCR4,DTX1,ESR1,GATA3,GLUL,GZMA,IL2RB,IL7R,IL9R,ITGAL,MDM2,MMP11,NCOA3,NFIL3,NKG7,PAX5,RUNX3,S100A8,S100A9,SELPLG,SGPP1,STAT4,TBX21,TNF,VIM,VSIR,XBP1,ZBTB16,ZNF274 |
| BTNL2 | transmembrane receptor | 0.000398 | turquoise | CAPN3,CD74,CDKN2C,CNN3,ENAH,FGL2,GBP4,IGHM,IKZF2,KCNK6,MBNL3,N4BP1,NCOA7,NT5E,PDE7A,RRAGD,S100A4,TNF,TNFRSF1B |
| Ifn gamma | complex | 0.000399 | turquoise | APOBEC3G,CCL5,CD86,CXCL8,CXCR3,ESR1,FAS,FLT1,IGFBP4,IL18BP,IL1B,IL32,IRF8,LY96,MAPK1,NR3C1,PSME2,SH2D1A,TGFB2,TLR4,TNF |
| motexafin gadolinium | chemical drug | 0.000407 | turquoise | MT1E,MT1G,MT1X,MT2A,SLC30A1 |
| APCS | other | 0.000407 | turquoise | CD163,FCGR2A,FCGR2B,LDLR,SIRPA |
| ERK1/2 | group | 0.000414 | turquoise | ALOX5,ARRB1,BIRC3,CAV1,CCL3,CCL5,CCND2,CD80,CD86,CDK4,CEBPA,CEBPB,CFLAR,CLEC11A,CXCL8,CXCR4,DAPK1,DUSP4,ENO1,ESR1,ESR2,FKBP5,FLT1,FOXO1,FZD1,HBEGF,HMGA1,HSPA5,IL1B,IRS2,KIF2C,LDLR,MAPK1,NAMPT,PKM,PLAUR,PSMB10,PSMB6,PTGS2,PTPRE,RUNX2,S100A6,SKIL,SOD1,TIMP1,TIMP2,TNF,TREM1,TYMP,VCAN,VEGFA |
| RABL6 | other | 0.00043 | turquoise | ABAT,ATXN1,BIK,BUB1B,CCNA2,CHEK1,DAPK1,DUT,EZH2,HBEGF,HMMR,HMOX1,NCAPG,NDC80,SEL1L,TOP2A,TPX2,UBE2C |
| TSC2 | other | 0.000434 | turquoise | ANXA1,ANXA2,ATP6V1A,ATP6V1D,BIRC5,CCND2,CREG1,CRIP1,ERO1A,FAM129A,GGA2,HMOX1,HSPA5,IRS2,LDHB,LGALS3,MCL1,NFE2L1,PLP2,PSMA1,PSMB2,PSMD14,RASSF4,S100A11,S100A6,SMPDL3A,TMEM176A |
| nitric oxide | chemical - endogenous mammalian | 0.000434 | turquoise | AHR,BIRC5,CRH,CXCL8,DUSP6,FAS,FLT1,GADD45A,GCLC,GSTM1,HMOX1,HSP90AB1,IER3,IL1B,IL7R,MDM2,MGST1,MKI67,NR3C1,PDIA4,PRDX5,PTGS2,SOD1,TFRC,TIMP2,TIMP3,TNF,TP53I3,UBE2C,VCL,VEGFA |
| Salmonella enterica serotype abortus equi lipopolysaccharide | chemical toxicant | 0.000454 | turquoise | ATL1,ATP1B1,BIRC3,CCL3,CCL5,CFLAR,CXCL2,DTNBP1,E2F7,ETS2,EZH2,FLT1,GADD45A,ID2,IL15RA,IL1B,IL32,IL7R,LRRC8C,MCOLN2,MGLL,NLRP3,PLA1A,PTGS2,RHOH,RHOU,RIN2,SAV1,SGPP2,SLAMF7,STARD4,TARP,TBK1,TNF,ZBTB10 |
| miR-17-5p (and other miRNAs w/seed AAAGUGC) | mature microRNA | 0.000459 | turquoise | ARID4B,BIRC5,CCND2,CXCL8,E2F2,ESR1,HBP1,NCOA3,RBL2,RUNX2,TGFBR2,TNF,TP63,TXNIP,VEGFA,VIM,ZBTB7A |
| lenalidomide | chemical drug | 0.000463 | turquoise | ACTG1,ATXN1,AUTS2,BCL11B,BID,CARD16,CCL3,CDKN2C,CEBPA,CEBPB,CNKSR2,CSNK1A1,DLEU2,EIF3M,ENO1,ERN1,FKBP11,FLNA,GLUD1,HIPK2,HSPA5,IRF4,ITPR1,MRS2,MYB,NEK6,NETO2,REL,SEC24A,SEL1L,SNRPN,STAMBPL1,TNF,UTRN,VIM,WNT10A,WNT7B,XBP1 |
| MKNK1 | kinase | 0.000471 | turquoise | ANXA2,ANXA5,AP3D1,BAG3,BMP8B,EPB41L2,FAM49A,FLNA,FLNB,GNAQ,KIF1B,LAMC1,MAPK1,PDLIM5,PLXNB2,RNH1,TFDP1,TM9SF2,TMBIM6,TNF,TTC3,TXNIP,VIM,ZCCHC18 |
| CD86 | transmembrane receptor | 0.000471 | turquoise | BCL2L2,CCL3,CD69,CD80,CD86,FAS,FCER2,GZMA,HOMER2,ICOSLG/LOC102723996,TNF,XBP1 |
| HTT | transcription regulator | 0.000482 | turquoise | ALDOA,ARHGEF7,ARNTL,ATP1A1,ATP5F1A,ATP5F1B,ATP6V0E1,BCL11B,BID,CAMK4,CANX,CBX5,CCL5,CD74,CDK2AP1,CDK5,CEBPA,CEBPB,CEPT1,CITED2,CNR1,COCH,COL18A1,CORO2B,CPNE5,CREBBP,CSF1R,CXCR5,CYFIP2,CYP51A1,DDX50,DNAJC3,DUSP6,FBXW7,GAPDH,GCLC,GLUL,GPI,GRIA1,HBEGF,HMGA1,HSP90AB1,HSPA5,HSPA8,HSPA9,HSPE1,ITGB1,ITPR1,KLF9,LDHA,LDHB,LDLR,MAN1A1,MDH2,MPRIP,NAA15,NDUFA1,NDUFA11,NDUFA7,NDUFB2,NDUFB4,NDUFB8,NDUFS4,NFIL3,NR2F1,NREP,PABPC4,PDXK,PIK3CA,PLAUR,PLCB1,PPARGC1B,PRKCB,PRKCD,PSMA5,RABGGTA,RABIF,SATB1,SCAMP5,SDHA,SDHB,SERPINA1,SIRPA,SOCS2,SOD1,SRM,TESC,TFRC,TGFBI,THRB,TIAM1,TIMP3,TPI1,TUBA4A,TUBB,UBE2H,UBE2N,UCHL1,UQCRB,VAMP1,VTI1B,XBP1 |
| ITK | kinase | 0.000483 | turquoise | AHR,BIK,CCL5,CD4,CX3CR1,EHD4,FAS,FCER1G,GATA3,IL2RB,KLRD1,LYN,MYO1F,PRKCB,SLAMF7,STAT4,TBX21,TNF,ZBTB16 |
| SOCS1 | other | 0.000485 | turquoise | ARG1,BAK1,BID,CCL3,CCND2,CD69,CD86,CDK4,CFLAR,CIITA,CXCL2,CXCL8,CXCR3,FAS,FCER1G,FKBP5,IL1B,IL2RB,IL4R,IRGM,IRS2,MAP3K5,PTGS2,TNF,TXN |
| VCAN | other | 0.000486 | turquoise | ANG,CBX6,CD59,CEBPB,CRISPLD2,CXCL2,CXCL8,FABP5,FAS,IGFBP4,IL1B,IL1RN,IRF8,ITGB1,LGALS3,MDM2,MEF2C,MIF,PAM,PCSK5,PRDX5,PTK2,RNASE4,RXRA,SMAD3,ST6GAL1,TIMP1,VCAN,VCL,VEGFA,YBX3,ZNF618 |
| PTX3 | other | 0.000489 | turquoise | CCL5,CX3CR1,CXCL2,CXCL8,GATA3,IL1B,IRAK1,TLR2,TLR4,TNF |
| IDR-1002 | chemical reagent | 0.000489 | turquoise | CCL5,CSF3R,CXCL2,CXCL8,HRH2,NLRP3,PTAFR,SLC11A1,TLR4,TNF |
| vinblastine | chemical drug | 0.000489 | turquoise | ABCB1,BAK1,CD80,CD86,FBXW7,IGFBP4,IL1B,MCL1,PTGS2,TNF |
| MYB | transcription regulator | 0.000501 | turquoise | BANK1,BIRC3,BIRC5,CBX4,CD4,CNN3,CXCR4,ESAM,GATA3,GFI1,GIMAP7,GPR18,GSTM1,HSPA5,HSPA8,IL7R,ITPR1,MMP11,MTSS1,MYB,MZB1,P2RY13,PTGS2,SOCS2,TFEC,TULP4,VIM |
| mir-24 | microRNA | 0.000502 | turquoise | AHR,ARNT,CDK4,CXCR3,FURIN,ICOSLG/LOC102723996,ID2,NDST1,PRDM1,PSAP,RORA,SH3PXD2A,SLC4A1,TBX21,TNF |
| IL24 | cytokine | 0.000508 | turquoise | BAK1,CXCL8,FAS,GADD45A,HBEGF,HSP90B1,HSPA5,IRF4,MCL1,PAX5,PRDM1,PTGS2,XBP1,XRCC6 |
| PTPRJ | phosphatase | 0.000508 | turquoise | BBX,CCNA2,CD69,CD70,CEBPD,CITED2,CXCL2,FGL2,HBEGF,PLA1A,PLAUR,PTGS2,TNF,TSHR |
| Fcgr3 | group | 0.000539 | turquoise | CXCL8,IL1RN,ITGAL,ITGAM,ITGAX,TBX21,TNF |
| SELENOS | other | 0.000539 | turquoise | CAV1,CEBPA,CEBPB,CFD,HSPA5,TNF,XBP1 |
| ebselen | chemical drug | 0.000539 | turquoise | GCLC,HMOX1,IL1B,PTGS2,TLR4,TNF,VEGFA |
| glutamyl-Se-methylselenocysteine | chemical - endogenous mammalian | 0.000539 | turquoise | ATP1A1,PLAUR,PSMA7,RPS11,SOD1,TIMP2,TIMP3 |
| resolvin D1 | chemical - endogenous mammalian | 0.00055 | turquoise | ARG1,CXCL2,CXCL8,CXCR4,HMOX1,IGHE,IL1B,PTGS2,TNF |
| heme | chemical - endogenous mammalian | 0.00055 | turquoise | ALAS1,CD14,CD163,CD55,CD86,FECH,HMOX1,PRDM1,TNF |
| Akt | group | 0.000555 | turquoise | AQP3,ATP5F1A,B4GALT5,BAK1,BID,BIRC5,CCND2,CD36,CDK4,CEBPB,CFLAR,COPS6,CXCL8,CXCR4,E2F2,ESR1,EZH2,FAS,FBXO32,FKBP5,FOXO1,GSTK1,HMOX1,IER3,IL1B,IL2RB,IL32,IL7R,MCL1,MDM2,MT1X,MT2A,MYB,NDUFB8,NFIL3,PTAFR,PTGS2,RDH10,RRM2,RUNX2,SDHB,SLC8A1,TLR2,TNF,TRADD,UTRN,VCAN,VEGFA,XBP1 |
| GnRH analog | biologic drug | 0.000567 | turquoise | ACAA2,ACTN1,ACTN4,AP3D1,ARHGEF10,ARHGEF7,ATG4A,ATP5F1A,BUB3,CAMKK2,CAPNS1,CCNC,CDK5,CHMP2A,CLUH,CUX1,DDOST,DYNLL1,ESR1,FAS,FKBP1A,FLT1,GAB1,GATD3A/GATD3B,GPR3,GSTO1,HSP90AB1,IGHM,IL32,ITPR1,KYNU,LIMS1,MAPK1,MARF1,MIA3,MKI67,N4BP1,NCOA3,PDLIM5,PLA2G16,PLD3,PPIA,PPOX,PSMA6,PSMB3,PSMB7,PSMD13,PTK2,RAB8A,RBMS1,SF1,SRI,SSR1,TFDP1,TMBIM6,UBAC1,UQCRB,VCL,VCP,YIF1A |
| CAMP | other | 0.000569 | turquoise | BAK1,C5AR1,CCL3,CCL5,CD80,CD86,CSF3R,CXCL8,CXCR4,HBEGF,IL1B,IL1RN,ITGAM,ITGAX,MCL1,NOTCH4,PTGS2,TLR2,TLR4,TNF,TNFAIP2 |
| daidzein | chemical drug | 0.000569 | turquoise | ABCG1,AIF1,ARG1,CAV1,CD4,CD86,CKLF,CXCR3,ESR1,EVI2A,FCGR2B,FXYD5,HCST,ID2,KLRD1,LCP2,LDLR,MTMR1,OSBPL3,PTGS2,RASGRP1 |
| PI3K (complex) | complex | 0.000574 | turquoise | ABCC4,BAK1,BIRC3,BIRC5,CCL3,CCND2,CCR1,CD55,CD86,CDK4,CEBPB,CFLAR,CXCL8,CXCR4,FABP5,FBXO32,FOXO1,GATA3,GCLC,HBEGF,HMOX1,IL1B,IL1RN,IL7R,ITGAM,ITGB1,LASP1,LSP1,MAP3K5,MCL1,MEF2C,MT2A,MTHFD2,PDCD4,PRDM1,PTGS2,PTPN12,RBL2,RPL23,SAMHD1,SKIL,TLR4,TNF,TP63,TREM1,TUBB3,TXNIP,TYMP,VEGFA,XBP1 |
| ZBTB16 | transcription regulator | 0.000575 | turquoise | BACH2,BID,CCNA2,CD14,CD55,CD74,CD86,CD8A,CXCR3,DTX1,EYA2,GATA3,ICOSLG/LOC102723996,ID2,IL21R,IL4R,IL7R,IL9R,ITGAV,LY96,PTGS2,RARG,RORA,RUNX2,RUNX3,SATB1,TNF,TNFRSF25,ZBTB16 |
| LIN9 | other | 0.000578 | turquoise | AURKA,BIRC5,BUB1B,CCNA2,CDC6,CEP55,DLGAP5,UBE2C |
| vemurafenib | chemical drug | 0.000578 | turquoise | BIRC5,CXCL8,DUSP6,GZMB,HAVCR2,IL1B,PRF1,VEGFA |
| CD200 | other | 0.000578 | turquoise | CD80,CLEC7A,IL1B,IL4R,ITGAL,TLR2,TLR4,TNF |
| SELP | transmembrane receptor | 0.000578 | turquoise | CCL3,CXCL2,CXCL8,CXCR4,CYP1B1,HCAR3,IL1B,IL4R,PLAUR,PRKCD,TNF |
| BARX2 | transcription regulator | 0.000578 | turquoise | ANLN,DMXL1,DYNLL1,ESR1,FLNA,HSPA9,TIMP1,TIMP3 |
| CRP | other | 0.000578 | turquoise | CCL5,CXCL8,IL1RN,IL6R,ITGAM,PRKCB,PSMA7,PSMB7,PSME2,S100A12,TNF |
| HIF1A | transcription regulator | 0.00062 | turquoise | ABCB1,ALDOA,AQP9,ARPC2,ATP5PF,AURKA,BACH2,BHLHE41,BID,BIRC5,BNIP3L,CARS,CAV1,CCL5,CD36,CD70,CITED2,CXCL2,CXCL8,CXCR4,CXorf40A/CXorf40B,DTX1,EED,EIF4G1,ENO1,ERGIC1,ERO1A,FLT1,FURIN,GAPDH,GPI,HMOX1,HSPA5,ID2,IL1B,IRS2,ITGAV,ITPR1,LDHA,LGALS1,MANF,MCL1,MEF2C,MIF,NEK8,NT5E,PFKFB3,PGK1,PKM,PLAUR,PPIA,PTGS2,QKI,RAB20,RAPGEF6,RASSF1,SLC16A3,SLC25A37,TFRC,TGFB2,TLR2,TNF,TNFAIP2,TPI1,TTN,TXN,VEGFA,VIM |
| INSR | kinase | 0.000623 | turquoise | ACAA2,ACSL1,ACTN4,ATP5F1A,ATP5F1B,ATP5F1D,ATP5MC3,ATP5MG,ATP5PD,ATP5PF,BIRC5,CCND2,CD36,CDC5L,CDC6,CDKN2C,CEBPA,CFL1,CORO2B,CSTB,CXCR4,CYP1B1,CYP51A1,ETFA,FURIN,GADD45A,GAPDH,GOT2,HBEGF,HSD17B10,IDI1,IER3,IFNAR2,IL1B,KLF10,KLF9,LGALS1,LYZ,MARCKSL1,MCM4,MDH2,MDM2,MMP11,MXI1,NAMPT,NDUFA1,NDUFA9,NDUFB4,PDCD4,PPARGC1B,RNF103,RRM2,SAT1,SATB1,SLC30A1,SOCS2,TGIF1,TNF,UHRF1,UQCRC1,ZFAND5 |
| STAT4 | transcription regulator | 0.000626 | turquoise | AHNAK,ARFGAP3,BANP,BSG,CAPN5,COPG1,CXCL2,DAP,DAPK2,ERO1A,FCER1G,FDX1,FURIN,FYB1,GATA3,HEXB,IER3,IRF4,KDELR2,KLF9,LRRFIP1,LUC7L,MAGED1,NSD3,POLD4,PRDM1,RASSF1,RORA,RRAGD,S100A4,SAT1,SELPLG,SH3GLB1,SMPDL3A,SUN1,TBX21,TIMP1,TNF,VDAC1,VEGFA,VSIR |
| hexachlorobenzene | chemical toxicant | 0.000633 | turquoise | ANXA1,ANXA2,CD14,FCGR2A,FXYD5,IER3,LGALS3,PSMB10,S100A10,S100A11,TES,TGIF1,TIMP1,UPP1,VIM |
| 9,10-dimethyl-1,2-benzanthracene | chemical toxicant | 0.000652 | turquoise | AHR,ARG1,BIRC5,CXCL2,CYP1B1,GADD45A,GCLC,HBEGF,IL1B,PTGS2,REL,S100A8,S100A9,TNF |
| celecoxib | chemical drug | 0.000655 | turquoise | ALOX5,BAK1,BIRC5,CD70,CFLAR,CHEK1,ESR1,FAS,GADD45A,HMOX1,HSPA5,IL1B,IL7,MCL1,MDM2,MKI67,PTGS2,SLC25A4,ST3GAL3,TGFBR2,TLR2,TLR4,TNF,TNFRSF1B,TP63 |
| acetaminophen | chemical drug | 0.000662 | turquoise | ABCB1,ABCB4,ABCC4,ACTG1,APOA2,ASL,CCR1,CXCL2,CXCR3,FAS,FLT1,GADD45A,GLUD1,GLUL,GPX1,HMOX1,HSPA5,IL1B,ITGB1,MCL1,PLAUR,PRDX1,PRKCB,PTGS2,TNF,TUBB,TXN,VEGFA |
| epigallocatechin-gallate | chemical drug | 0.000685 | turquoise | ACP5,AHR,BAK1,BCL2L2,BHLHE41,BIRC5,CALCR,CCL5,CEBPA,CEBPB,CFLAR,COL18A1,CXCL8,DAPK2,ESR1,FAS,FOSL2,GADD45A,GBP4,GCLC,HMOX1,IL1B,ITGAV,LDLR,MAP3K5,MDM2,MKI67,PDIA4,PRKCE,PTGS2,REL,SLC16A1,TFRC,TIMP1,TIMP2,TLR4,TNF,VEGFA,VIM |
| PLA2R1 | transmembrane receptor | 0.000695 | turquoise | AK3,ATP5F1B,ATP5PD,COX5B,CTSA,DPYSL2,MGST1,PEBP1,SDHA,SDHB |
| naringenin | chemical - endogenous non-mammalian | 0.000695 | turquoise | CCL5,CXCL8,HMOX1,HSPA5,LDLR,LYN,NR3C1,PTGS2,TLR2,TLR4 |
| FLT1 | kinase | 0.000703 | turquoise | ACTN4,APLP2,BCAT1,BIRC5,BNIP3L,CANX,CAPN2,EIF4B,FLNA,HLA-B,HMOX1,LIMS1,MARCKS,RDX,SCRN1,SLC27A3,TGFBR2,UBE2H,VDAC1 |
| NOTCH1 | transcription regulator | 0.000726 | turquoise | ASB2,BIRC3,CCND2,CD14,CDCA7,CEBPA,CEBPB,CEBPD,CFD,CFLAR,CSF1R,CSF2RB,CXCL8,DTX1,ECT2,EPHA4,FCER1G,FCGR2A,FCGR2B,FLT1,GATA3,GATD3A/GATD3B,GLUD1,HMOX1,ID2,IGFBP4,IL7R,IRF8,ITGAM,ITGB1,MYH11,PTGS2,PTPRK,REL,RHOU,RUNX2,RUNX3,SDHA,TGFB2,TGFBR2,TGFBR3,TNF,TP63,VEGFA |
| IGF1 | growth factor | 0.000727 | turquoise | ADA,ASGR2,BAK1,BIRC3,BIRC5,BSG,CCL5,CCNA2,CCND2,CD70,CDK4,CEBPB,CEBPD,CFLAR,CITED2,CLEC11A,CNP,CXCL8,CYFIP2,DDX5,DDX50,DUSP6,EIF4B,ESR1,ESR2,FBXO32,FOXO1,GADD45A,GAPDH,HMGA1,HMOX1,HSPA5,ID2,IER3,IGFBP4,IL16,IL1B,IL4R,IRS2,ITGAV,LASP1,LDHA,MAPK1,MCL1,MDM2,MGA,MIF,MKI67,MXI1,MYB,MYH11,NR3C1,PDXK,PHC1,PKM,PLAUR,POLD4,PTGS2,RUNX2,SRM,TGFBI,TLR4,TNF,TSHR,TUBB3,TXNIP,UBE2G1,VEGFA,VIM,WDR45,WEE1,XBP1,YBX3 |
| mitomycin C | chemical drug | 0.000748 | turquoise | BIRC5,CD80,CXCL8,FAS,GADD45A,HBEGF,ITPRIPL2,MDM2,PRKCE,PYCARD,TP63,TULP4,TYMP,VEGFA,VMP1,WEE1 |
| NFKB1 | transcription regulator | 0.000756 | turquoise | ABCB1,AGO2,ARG1,BIRC3,CCL5,CCND2,CD59,CD80,CD86,CEBPA,CIITA,CR2,CREB3,CXCL2,CXCL8,CXCR5,DTX1,FAS,GADD45A,GATA3,GNAI3,HLA-DMB,HMOX1,ICOSLG/LOC102723996,IER3,IGHM,IGKC,IL1B,IL1RN,IRF4,ITPR1,LGALS1,MCL1,MDM2,MYB,PRKCD,PTAFR,PTGS2,PXN,SLC25A4,TBX21,TLR2,TNF,UBE2H,VEGFA |
| palmitic acid | chemical - endogenous mammalian | 0.00076 | turquoise | ACSL1,AHR,ALDOA,BIRC3,CCL5,CD36,CD86,CNR1,CXCL2,CXCL8,ERN1,FBXO32,FOLR2,FOXO1,GAPDH,GCLC,HMOX1,HSPA5,IDE,IDH2,IL1B,IL1RN,IL6R,IRAK2,IRS2,MAFB,MCL1,MGAT4A,PLIN2,PMVK,PPARGC1B,PTGS2,SLC25A4,TLR2,TLR4,TNF,TXNIP,UCHL1,XBP1 |
| BDNF | growth factor | 0.000768 | turquoise | ANXA2,ANXA5,AP3D1,ATP5MC2,BAG3,BCL2L2,BID,CCND2,CD36,CD80,CNR1,CXCR4,DUSP4,DUSP6,EPB41L2,FAM49A,FLNA,FLNB,GLUL,GNAQ,GRIA1,HIST1H2AL,HSPA5,ITPR1,KIF1B,KLF10,LAMC1,LGALS1,LIMK1,MAPK1,NECAB3,PDLIM5,PFKFB3,PLXNB2,REEP5,RNH1,RPL13,S100A10,S100A9,SLC16A7,SORL1,TFRC,TIAM1,TM9SF2,TMBIM6,TMED2,TTC3,TUBB3,TXNIP,VIM,ZCCHC18 |
| manumycin A | chemical reagent | 0.000768 | turquoise | CXCL8,IL1B,PTGS2,ST6GAL1,TNF,VEGFA |
| ETV4 | transcription regulator | 0.000787 | turquoise | ARID3B,B4GALT5,CAV1,CXCL8,CXCR4,ETV4,GGT1,MYB,PTGS2,TGFBR2,VIM |
| NCSTN | peptidase | 0.000787 | turquoise | CD14,CEBPA,CEBPB,CEBPD,CSF1R,CSF2RB,FCER1G,FCGR2A,FCGR2B,IRF8,VIM |
| ferulic acid | chemical - endogenous non-mammalian | 0.000809 | turquoise | DPYSL2,ESR1,GPX1,HMOX1,IL1B,MKI67,SOD1,TIMP1,TLR4 |
| chrysotile asbestos | chemical toxicant | 0.000809 | turquoise | DNAJC3,GCLC,HSP90B1,HSPA5,IL1B,ITGAX,JCHAIN,PDIA4,TIMP1 |
| ceruletide | biologic drug | 0.000809 | turquoise | ACTG1,BIRC5,CFLAR,CXCL2,HMOX1,HSPA5,PTGS2,TNF,XBP1 |
| CLEC11A | growth factor | 0.000828 | turquoise | ALDOA,ALOX5,ANXA1,BIRC5,CD74,IL1B,LDHA,MIF,RUNX2,S100A6,STAT4,TKT,TNF,ZYX |
| BACH2 | transcription regulator | 0.000828 | turquoise | AHR,FOXO1,GATA3,HMOX1,IRF4,MAFB,MCL1,PRDM1,S100A8,S100A9,SATB1,STAT4,TBX21,XBP1 |
| STAT5a/b | group | 0.000829 | turquoise | AHR,ARG1,BMP6,CCND2,CD36,CD69,CDKN2C,EPHA4,FCER1G,GATA3,ID2,IDI1,IL4R,LCP2,MCL1,MMD,NETO2,PAX5,PRDM1,PTGS2,TLR2,UBE2W |
| ANXA1 | enzyme | 0.000833 | turquoise | ANXA1,ANXA2,CD69,COL18A1,CXCL2,CXCR4,IL1B,ITGAM,PTGS2,TIMP2,TLR4,TYMP |
| Irgm1 | other | 0.000833 | turquoise | CCL5,CCNA2,CDCA3,DTL,FAS,ID2,KIF20A,MKI67,NCAPG,RRM2,TNF,UBE2C |
| POU2AF1 | transcription regulator | 0.000844 | turquoise | BTLA,CD69,CD86,CXCR5,IDH2,IGH,IGHM,KCNN4,LGALS1,MS4A6A,PAX5,PRDM1,S100A10 |
| paclitaxel | chemical drug | 0.000857 | turquoise | ABCB1,ADGRE1,ANXA5,APOBEC3A,BHLHE41,BIRC3,BIRC5,CAV1,CD80,CD86,CDC42EP3,CFLAR,CXCL2,CXCL8,CYP1B1,DUSP4,DUSP6,DUSP7,FAM53B,FAS,FLNA,HBEGF,HMGB3,HSP90AB1,IER3,IGHA1,IGHM,IL1B,INPP4A,KCNN4,KIF20A,LCP2,MCL1,MDM2,MKI67,NREP,PHGDH,PLAUR,PNKD,PTGS2,PTPN12,S100A9,SAT1,SPRY1,STK17A,SVIL,TGFBR2,TNF,TUBA1B,TUBA4A,TYMP,UHRF1 |
| NFATC2 | transcription regulator | 0.000864 | turquoise | ACP5,BBX,CCL5,CCNA2,CD80,CD86,CDK4,CFLAR,CITED2,CX3CR1,CXCL2,CXCR5,FAS,FCER2,FGL2,GATA3,GBP4,IER3,IL1B,IRF4,IRGM,ITPR1,JARID2,LDHA,MDM2,PTGS2,PTPRK,REL,SH3BP5,SLC3A2,SLCO3A1,SOCS2,TBX21,TLR2,TNF,ZBTB32 |
| reactive oxygen species | chemical toxicant | 0.000866 | turquoise | CCL5,CD200,CD80,CSF1R,CXCL8,CXCR4,FAS,GADD45A,GLRX,GZMB,HBEGF,HMOX1,HSPA5,IL1B,MCL1,MDM2,PRDX3,PRDX5,PRF1,PTGS2,TLR2,TNF,VEGFA,XBP1 |
| TFRC | transporter | 0.000896 | turquoise | ANXA2,ATF5,CCNA2,CD300A,ERO1A,GADD45A,GGT1,HMOX1,HSPA5,ID2,ITGAM,LDHA,MS4A6A,PFKFB3,PHGDH,PIP5K1B,SRXN1,TGFB2,TREML2,XBP1 |
| PRKCD | kinase | 0.000899 | turquoise | APOBEC3A,ARHGAP32,ARID3B,BIRC3,BIRC5,CCL5,CCNA2,CD4,CD70,CEBPB,CIITA,CXCL8,DUSP6,ETS2,FOSL2,FOXP1,FZD1,ICOSLG/LOC102723996,IL1B,IL1RN,IL32,ITGAM,JCHAIN,KIF2C,LDLR,MCL1,PDCD4,PDLIM7,PPP1R3D,PTGS2,SIK3,SPRY1,TLR2,TNF,VEGFA |
| SATB2 | transcription regulator | 0.000906 | turquoise | AUTS2,BCL11B,IGHM,MDM2,MRPL41,PERP,UPF3B |
| LY96 | transmembrane receptor | 0.000906 | turquoise | CCL5,CD86,CXCL2,CXCL8,LY96,TLR4,TNF |
| STIM1 | ion channel | 0.000906 | turquoise | GCLC,GPX1,GSTO1,HMOX1,NFATC3,PRDX1,TNF |
| Integrinα | group | 0.000908 | turquoise | ITGAL,ITGAM,TLR2,TLR4 |
| CRBN | enzyme | 0.000908 | turquoise | ERN1,HSPA5,IRF4,XBP1 |
| DCX | other | 0.000908 | turquoise | ACTN1,ACTN4,ACTR3,TUBB3 |
| RWJ 67657 | chemical - kinase inhibitor | 0.000908 | turquoise | CXCL8,IL1B,PTGS2,TNF |
| CST5 | other | 0.00091 | turquoise | ABLIM1,AHNAK,ANK3,ANXA2,ANXA5,AP3B1,AP3D1,CAV1,CHD2,CHD3,COPS8,CREBBP,DNAJB11,DOCK5,DSP,EEF1B2,ELK3,GAR1,HNRNPA3,IQGAP2,JMJD1C,KIF11,KRR1,LAMC1,MEF2C,NDUFB7,NDUFC2,NOP10,NR2F1,NR3C1,NT5E,NUMA1,PABPN1,PCLAF,PDLIM5,PRDX1,RBM47,REEP5,RNASEH2B,RTN3,RUNX2,S100A11,SYT7,TESC,TGIF1,TXN,VARS,VCAN,VDAC1,VIM,VTI1B |
| AGER | transmembrane receptor | 0.00092 | turquoise | ARG1,CALCR,CCL3,CXCL2,CXCL8,FAS,FLT1,IL1B,IL4R,PTGS2,S100A8,S100A9,TNF,TUBB3,TXNIP,VEGFA |
| bleomycin | chemical drug | 0.000934 | turquoise | ARG1,CCL5,CCR1,CD86,CEBPA,CXCL2,CXCR4,E2F7,FAS,FZD1,GAB1,HBEGF,IL13RA1,IL1B,IL4R,IRAK1,ITGB1,LMNB1,MAP4,MIF,PLA1A,PTTG1,S100A4,SOCS2,TGFB2,TGFBR2,TIMP1,TIMP2,TIMP3,TLR2,TNF,TP63,UBE2C,UHRF1 |
| rottlerin | chemical toxicant | 0.000934 | turquoise | APOBEC3A,APOBEC3B,APOBEC3G,BIRC3,BIRC5,CDK4,CIITA,CXCL8,EEF2K,HMOX1,IL32,ITGB1,MDM2,PDCD4,PRDX1,PRKCD,PTGS2,TNF |
| cardiotoxin | chemical - other | 0.000941 | turquoise | ATP6V1A,BIK,BIRC5,C5AR1,CCL5,CCNA2,CCND2,CCR1,CSF1R,CSF2RB,CSF3R,CXCR4,E2F2,GMNN,GNAI3,HSPA5,IGFBP7,IL13RA1,IL1B,IL1RN,IL4R,IL6R,IL7R,ITGB7,KPNA2,LRRFIP1,PGAM1,TIMP1,TNF,TNFRSF1B |
| INPP5D | phosphatase | 0.000966 | turquoise | ARG1,CCND2,CD69,CD80,CD86,CD93,CXCL8,FAS,IGHM,TNF |
| MAPK11 | kinase | 0.000966 | turquoise | ACP5,CAV1,FAS,HMOX1,PRDX1,PTGS2,TBX21,TIMP1,TIMP2,VDR |
| MET | kinase | 0.000969 | turquoise | AQP3,AURKA,CCND2,CITED2,CXCL8,FBXO32,FGL2,GCLC,HBEGF,HMOX1,IL15RA,IL1B,ITGB1,MDM2,NREP,PTGS2,SH3BP5,SLCO3A1,SOD1,TGIF1,VEGFA,VIM |
| cyanidin 3-O-glucoside | chemical - endogenous non-mammalian | 0.000978 | turquoise | ABCG1,CCL5,IL1B,PTGS2,TNF |
| salmonella typhimurium lipopolysaccharide | chemical - endogenous non-mammalian | 0.000978 | turquoise | CCL5,CD86,IL1B,PTGS2,TNF |
| CREB3L2 | transcription regulator | 0.000978 | turquoise | ATF5,HSPA5,MCL1,SEC23B,SEC24C |
| CR2 | transmembrane receptor | 0.000978 | turquoise | CD19,CFLAR,CR2,FAS,IL1B |
| polymyxin B | biologic drug | 0.000978 | turquoise | APOBEC3B,CXCL8,IL1B,LDLR,TNF |
| midostaurin | chemical drug | 0.000978 | turquoise | CD36,HMOX1,MCL1,PTGS2,VIM |
| Hif1 | complex | 0.000987 | turquoise | ALDOA,BHLHE41,BIRC5,BNIP3L,CXCR4,ENO1,HMOX1,LDHA,LGALS1,PGK1,S100A8,SLC16A1,SLC16A3,TFRC,VEGFA |
| KDM5A | transcription regulator | 0.000994 | turquoise | ATP1A1,ATP1B1,ATP5F1A,ATP6V1D,CD55,COX14,COX17,COX6B1,COX7A2,GADD45GIP1,GRPEL1,HMOX1,ITGB1,MRPL12,NDUFA13,NDUFA2,NDUFA6,NDUFA9,NDUFB10,NDUFB8,NDUFS4,PGD,SDHB,TXN2,UQCRC1,UQCRQ,VDAC1 |
| LDL | complex | 0.000996 | turquoise | ABCG1,APOBEC3B,CAPN2,CCL3,CCL5,CD36,CD80,CFLAR,CX3CR1,CXCL2,CXCL8,FAS,FCGR2B,GCLC,GPX1,GTF2I,HMOX1,HSP90B1,HSPA5,HYOU1,IGFBP4,IL1B,IL1RN,ITGAV,ITPR1,LASP1,LDLR,LIMS1,MCL1,MKI67,NAMPT,NLRP3,PLIN2,PTAFR,PTGS2,RABEP1,S100A8,SMAD3,TGFBR2,TGFBR3,TLR4,TNF,TRADD,VEGFA,XBP1 |
| JUN | transcription regulator | 0.00102 | turquoise | ABCB1,ACP5,ALAS1,ANXA1,ANXA2,BAK1,BIRC3,BTG1,CALM1 (includes others),CAPN2,CAPNS1,CAV1,CCNA2,CCND2,CD14,CFLAR,CHL1,CRH,CSF1R,CSTA,CXCL8,CYP1B1,DUSP6,EHD4,FAS,FOLR2,GADD45A,GCLC,HLA-B,HMGA1,HMOX1,ID2,IGFBP4,IGFBP7,IL1B,IL7R,IRS2,ITGAM,ITGAV,ITGB1,LGALS3,MDM2,MT2A,MXI1,MYB,NBPF10 (includes others),NRCAM,PDCD4,PLAUR,PRDX1,PRKCE,PTGS2,RARG,RUNX2,RXRA,S100A10,SDK1,SERP1,SLC8A1,SNRPN,SVIL,TIMP1,TIMP3,TNF,TXN,VAV3,VDR,VEGFA,VIM,XYLT1 |
| TLR9 | transmembrane receptor | 0.00102 | turquoise | CCL3,CCL5,CCNA2,CD27,CD300A,CD38,CD69,CD80,CD86,CERS6,CXCL8,FAS,FCER2,FURIN,HMOX1,IER3,IL1B,IL21R,IRF4,LIX1,MCL1,NAMPT,ORMDL2,PFKFB3,PRDM1,PTGS2,S100A8,SMPDL3A,SPRY1,TBX21,TIMP1,TLR4,TNF,TNFRSF13B,TNFRSF1B,UAP1,XBP1 |
| GNA12 | enzyme | 0.00103 | turquoise | ARHGEF7,BRAF,CCNA2,CXCL8,GCLC,MYH11,PIK3CA,PTGS2,PXN,RDX,RFFL,RRAS2,SOS2,VAV3,VCL,VEGFA,VIM |
| CpG ODN 1826 | chemical reagent | 0.00104 | turquoise | CCL5,CD14,CD69,CD80,CD86,CIITA,CXCL8,FCGR2B,IL1B,KLHL21,LY96,REL,TLR4,TNF |
| RAB1B | other | 0.00105 | turquoise | ARF4,COPG1,COPZ2,CXCL8,KDELR1,NAPA,RAB32,RABAC1,SEC24D,SERP1,YIF1A |
| ELF4 | transcription regulator | 0.00105 | turquoise | ABCB1,CXCL2,CXCL8,LYZ,MANF,MAPKAPK3,MDM2,MT1G,PIK3C3,PRF1,RAP1B |
| IgG | complex | 0.00108 | turquoise | ATP1B1,ATP1B3,CCL3,CCL5,CCND2,CD86,CEBPB,CEBPD,CTSC,CXCL8,DSP,FABP5,FCGR2A,FCGR2B,GNAS,GPX1,GUK1,HDGF,HSPA5,IL16,IL1B,IL1RN,ITGAM,LDLR,LGALS1,LGALS3,PLAUR,PTGS2,SLAMF7,TNF,TNFRSF13B,TNFRSF17,VEGFA |
| miR-155-5p (miRNAs w/seed UAAUGCU) | mature microRNA | 0.00108 | turquoise | CCL3,CD69,CEBPB,CSF1R,CUX1,CXCL2,CXCL8,CYP51A1,DHX40,FCER2,HSDL1,IL13RA1,IL1B,JARID2,MAFB,MSI2,MYB,NT5E,PDLIM5,PICALM,PLXND1,PODXL,PRKCI,PTGS2,RAB34,SATB1,SLC30A1,SNAP29,SYNE2,TNF,TRAM1,UBE2J1,WEE1 |
| CD2 | transmembrane receptor | 0.00109 | turquoise | CCNA2,CD4,CD48,CD58,CD80,CD86,CD8A,FAS,HLA-DMA,ITGAL,STAT4,TNF |
| verapamil | chemical drug | 0.00109 | turquoise | ABCB1,ANXA2,BIRC5,BRAF,CD59,ENO1,FDX1,IL1B,LDLR,S100A10,S100A6,TXNIP |
| Il3 | cytokine | 0.00112 | turquoise | ADGRE1,ARNT,ATF5,CCND2,CD14,CSF1R,CSF3R,FAS,IL5RA,ITGAM,LYZ,MCL1,MDM2,MYB,NFIL3,PRKCE,TCP1,TNFRSF1B |
| POR | enzyme | 0.00112 | turquoise | ACSL1,ACTG1,AHR,ALDH1A1,ANXA5,APCDD1,ARNT,ATF5,CD36,CD74,CIITA,CYP51A1,ELOVL5,ETHE1,GPHN,GSTM1,HLA-DMA,HMOX1,HSD17B10,IDI1,JDP2,LDLR,LGALS1,PFKFB3,PGD,PMVK,PNPLA7,RAB30,SECISBP2L,STARD4,TMEM176A,VEGFA |
| DYSF | other | 0.00112 | turquoise | ACTG1,ACTR3,ANXA1,ANXA2,ARPC2,CD48,CD55,CD74,CFD,EVI2A,FCGR2B,GNAI3,ITGB1,LGALS3,LYZ,PSAP,S100A4,TIMP1 |
| DDIT3 | transcription regulator | 0.00115 | turquoise | ATF5,BAK1,CAMK2N1,CEBPA,CEBPD,CFLAR,CXCL8,ERO1A,FOXO1,HMOX1,HSPA5,HSPE1,IL1B,IRAK2,ITGAM,MTHFD2,MYCBP,RUNX3,SARS,SIPA1L3,TXNIP,WARS,XBP1,ZNF827 |
| RIPK1 | kinase | 0.00116 | turquoise | BIRC5,CCL5,CFLAR,CXCL2,CXCL8,IL1B,MAP3K14,MDM2,TNF |
| Tgf beta | group | 0.00118 | turquoise | ADGRE5,ASGR2,CALCR,CCL3,CCL5,CCND2,CFLAR,CIITA,CSF1R,CX3CR1,CXCL2,CXCL8,CXCR4,FURIN,GATA3,GCLC,GUSB,GZMB,HMOX1,IL16,IL1B,IL1RN,ITGB1,KLF10,MIF,MMP11,PMEPA1,PTGS2,RORA,RUNX2,RUNX3,SKIL,TBX21,TGFBI,TIMP1,TIMP2,TIMP3,TLR2,TNF,TREM1,VEGFA,VIM |
| MAP2K4 | kinase | 0.00122 | turquoise | BIRC3,BIRC5,CCL5,CD86,CFLAR,CXCL8,FAS,FLNA,GADD45A,MDM2,MEF2C,PRDX1,PTGS2,TNF,VDR |
| RELB | transcription regulator | 0.00124 | turquoise | ABCB1,BIRC3,CIITA,CRH,CXCL8,ESR1,ICOSLG/LOC102723996,IGHM,IL1B,IRF4,MYB,PPARGC1B,PRDM1,PTGS2,STAT4,TBX21,TNF |
| n-nitrosomethylbenzylamine | chemical toxicant | 0.00129 | turquoise | ACTN4,AHNAK,ANXA2,ARPC2,ATP6V0E1,CASD1,CCNC,CDK4,DDX5,GATD3A/GATD3B,GSTK1,H2AFZ,HMMR,HMOX1,KLF10,MCL1,MGST1,PCLAF,PHGDH,PIAS2,PSMA6,PTGS2,RABIF,SLC30A1,TMED2,UBE2C,USP14 |
| ATF4 | transcription regulator | 0.0013 | turquoise | ATF5,BCAT1,CANX,CARS,CEBPB,CXCR5,ERO1A,GADD45A,HSP90B1,HSPA5,HYOU1,IGFBP7,KLF9,LGALS3,MCL1,MGST1,MID1IP1,MT2A,MTHFD2,PHGDH,PSAT1,PTGS2,SARS,SEL1L,SIGMAR1,SLC1A4,SLC3A2,SSBP2,TKT,VEGFA,WARS |
| phytohemagglutinin | chemical drug | 0.00131 | turquoise | AFF1,AIF1,BTG1,CALU,CCL3,CCL5,CCND2,CD69,CDK4,CLCN4,COL18A1,COX7B,CUX1,CXCL8,CXCR4,EPRS,FAS,FOLR2,FOSL2,GATA3,GCLC,GGT1,GZMB,IL15RA,IL1B,IL21R,IL7R,KCNN4,MCM4,MMP11,MT1E,NRIP1,NT5E,PAPOLA,PAX5,PRF1,PSMA1,PTPN12,RXRA,SARS,SCARB2,SERPINA5,SLC4A1,SLC5A3,STAT4,TBX21,TIMP1,TIMP3,TNF,TRAF5,TYMS,VPS41,XBP1 |
| 3-methyladenine | chemical toxicant | 0.00132 | turquoise | CD80,CD86,CXCL2,CXCL8,HMOX1,HSP90B1,HSPA5,IL1B,PTGS2,TNF |
| MIF | cytokine | 0.00132 | turquoise | ADGRE1,ARG1,ATF5,CCR1,CEBPB,COL4A4,CXCL2,CXCL8,CXCR4,GFI1,GZMB,IL15RA,IL16,IL1B,IL4R,IL7,IL7R,IL9R,PTGS2,RPS27,TIMP1,TLR4,TNF |
| VTN | other | 0.00132 | turquoise | IL1B,ITGAM,ITGAV,ITGB1,PLAUR,PTGS2,PXN,RUNX2,S100A10,TNF |
| TNFRSF9 | transmembrane receptor | 0.00132 | turquoise | BIRC5,CD14,CD80,CD86,CXCL8,FAS,IL1B,ITGAM,PRF1,TNF |
| linsidomine | chemical drug | 0.00132 | turquoise | ANXA2,CD80,CD86,CRH,ETV4,GCLC,HMOX1,PTGS2,TNF,VEGFA |
| methylnitrosourea | chemical toxicant | 0.00132 | turquoise | ATP1A1,ATP1B3,AURKA,CCL5,PLAUR,PSMA7,RPS11,SOD1,TIMP2,TIMP3 |
| IKK (complex) | complex | 0.00134 | turquoise | BIRC3,CCL5,CFLAR,CXCL8,IL1B,PTGS2,TBX21,TNF |
| CXCL8 | cytokine | 0.00134 | turquoise | ABCB1,ANXA1,CD69,CD74,CFLAR,COL18A1,CR1,CXCL2,CXCL8,FAS,IL1B,ITGAL,ITGAM,ITGAX,LGALS3,NR3C1,PTGS2,TNF |
| TP53COR1 | other | 0.00134 | turquoise | BID,BIRC3,CFLAR,FAS,IL1B,MDM2,RRM2B,TOP2A |
| selenomethylselenocysteine | chemical - endogenous mammalian | 0.00134 | turquoise | ATP1A1,ATP1B3,PLAUR,PSMA7,RPS11,SOD1,TIMP2,TIMP3 |
| SQSTM1 | transcription regulator | 0.00137 | turquoise | CD70,CITED2,CKAP4,CXCL2,FGL2,GCLC,HBEGF,HMOX1,IL15RA,IL1B,KEAP1,RTN4,TNF |
| guanidinopropionic acid | chemical - endogenous non-mammalian | 0.00137 | turquoise | ALAS1,CAMK4,NDUFA1,NDUFA11,NDUFA7,NDUFB2,NDUFB4,NDUFB8,NDUFS4,PPARGC1B,SDHA,SDHB,UQCRB |
| nystatin | chemical drug | 0.00138 | turquoise | CD80,CD86,CXCL8,IL1B,TIMP1,TNF |
| PLA2G2D | enzyme | 0.00138 | turquoise | ARG1,IL1B,ITGAM,ITGAX,S100A9,TNF |
| SCAVENGER receptor CLASS A | group | 0.00138 | turquoise | CCL5,CD80,CD86,CXCL8,TBX21,TNF |
| STAR | transporter | 0.00138 | turquoise | ABCG1,CCL5,CD36,CD86,CLEC7A,CRH |
| TAC4 | other | 0.00138 | turquoise | CD80,CD86,IL1B,PRDM1,TNF,XBP1 |
| zymosan A | chemical - endogenous non-mammalian | 0.00138 | turquoise | ANXA1,CD80,CD86,FAS,IL1B,TNF |
| XDH | enzyme | 0.00139 | turquoise | ABCG1,CD69,CEBPA,CEBPB,CXCL8,CXCR4,IL1B,PLAUR,TIMP2,TNF,VIM |
| PP1 | chemical - kinase inhibitor | 0.0014 | turquoise | CCND2,CDC6,CXCL8,CXCR4,ESR1,GRIA1,HMOX1,IL1B,IL1RN,PTGS2,SIRPA,TNF |
| RAC2 | enzyme | 0.0014 | turquoise | ALDOA,ANXA1,CD74,IL1B,LDHA,MIF,PKM,RUNX2,S100A6,STAT4,TKT,ZYX |
| GPX1 | enzyme | 0.0014 | turquoise | ADGRE1,CD14,DUSP4,FAS,GLRX,GLRX2,NDUFB8,SOD1,TNF,TRADD,TXN,TXN2 |
| Hbb-b2 | other | 0.0014 | turquoise | CD74,CEBPA,CIITA,CLEC7A,CXCR3,CXCR5,IL16,IL1B,IL2RB,ITGAM,TFRC,TLR2 |
| TXN | enzyme | 0.0014 | turquoise | CCND2,CD38,CD86,CXCL8,CYP1B1,ESR1,HMOX1,IL1B,MIF,TNF,TXN,VEGFA |
| Lh | complex | 0.00142 | turquoise | ACP5,ACTN1,ARL6IP5,ARNTL,ARPC4,ATP5IF1,BNIP3L,CCND2,CD55,CDK5,CFLAR,COL18A1,CSNK1A1,CTNND1,CXCL8,CXCR4,CYFIP2,DAPK1,FDX1,FKBP5,GNAS,GNLY,ITPR1,MAP3K5,MAPRE2,MBD2,MCL1,PAWR,PDE4D,PDXK,PGK1,PTGS2,PTPRE,RAB31,RUNX2,STK17A,TGFB2,TLK1,TMBIM6,TP53I11,TRIB1,UPP1,VCL,VEGFA,YBX3 |
| PHLPP1 | enzyme | 0.00145 | turquoise | CEBPD,CXCL2,FOXO1,MCL1,PRKCB,PRKCD,PRKCE |
| nitrofurantoin | chemical drug | 0.00146 | turquoise | ACTG1,ANXA2,ANXA5,APOA2,ASL,CAPN2,CST3,DBI,FAS,GADD45A,GSTM1,HMOX1,HSPA5,IER3,IL1B,ITGB1,LGALS3,PCYT1A,PRDX1,PRKCB,RPL13,RPS8,S100A10,S100A11,SERPINA1,TIMP1,TIMP3,TUBB,TXN,TYMS,VEGFA |
| HSP90B1 | other | 0.00149 | turquoise | ARF1,CANX,CD86,ESR1,HSP90B1,HSPA5,IL1B,ITGAL,RPS20,SSR3,SSR4,TLR2,TLR4,TNF,XBP1 |
| WNT5A | cytokine | 0.00151 | turquoise | BMP6,CAMK4,CD14,CD38,CD80,CXCL2,CXCL8,CXCR4,ESR1,ESR2,FLNA,FLT1,ID2,IL1B,IRF8,ITGB7,PRKCI,PTGS2,RBL2,RUNX2,SH3PXD2A,TLR4,TNF,VEGFA,VIM |
| TP73 | transcription regulator | 0.00152 | turquoise | ABCB1,ADA,AEN,ARNTL,ATG4A,AURKA,BAK1,BID,BIRC5,BRAF,CADM1,CCNA2,CD55,CLEC7A,CLMN,CNN3,COL18A1,CXCL2,FAS,FLT1,GADD45A,HBEGF,ID2,IDH2,IER3,IGFBP4,IL1B,IL4R,IL7,INPP4A,ITGAX,KLHL21,LYZ,LZTS1,MAPRE2,MCM6,MDM2,MIR22HG,MTHFD1,PERP,RAD17,RRM2B,RTN4,SAT1,SERPINA1,SERPINA5,SERPINB6,SYNE2,TBL1X,TGFB2,TIMP1,TIMP3,TNFAIP2,TNFRSF1B,TP53I11,TP53I3,TPX2,TSHZ2,UBE2C,VDR,VEGFA,VMP1,WNT10A,XRCC6 |
| IL17A | cytokine | 0.00153 | turquoise | BIRC5,CCL5,CD14,CD163,CEBPB,CEBPD,COTL1,CXCL2,CXCL8,CXCR4,CYTH3,FAS,GADD45A,GUSB,HBEGF,HEXB,IL16,IL1B,IL1RN,IL32,ITPR1,PLXNB2,PODXL,PTGS2,S100A8,S100A9,STEAP4,TGFBR2,TIMP1,TIMP2,TLR2,TLR4,TNF,TNFRSF1B,TP63,TYMP,VEGFA |
| carbon monoxide | chemical - endogenous mammalian | 0.00161 | turquoise | CAV1,CD14,CFLAR,HMOX1,IL1B,IRF8,ITGB1,PLAUR,PRDX1,PTGS2,TLR4,TNF,VEGFA,XBP1 |
| epoxomicin | chemical - protease inhibitor | 0.00162 | turquoise | CFLAR,CXCL8,FOXO1,H2AFZ,HSPA5,IRS2,PSMA2,PSMA6,PSMB3 |
| PLN | transporter | 0.00165 | turquoise | ALDOA,ANXA2,ATP1A1,CALU,ENO1,HSP90B1,ITGB1,MYL6,PGK1,PRKCB,PRKCE,SGCB,SOD1,TPI1,VCP,VIM |
| cytokine | group | 0.00165 | turquoise | ALOX5,ANG,BIRC5,C5AR1,CCL5,CD27,CD4,CD69,CD80,CD86,CD93,CRH,CXCL8,FAS,HMOX1,PLAUR,PTGS2,RARRES3,S100A4,SOCS2,TGFB2,TIMP1,TLR2,TLR4,TNFRSF1B,TYMP,UPP1 |
| adalimumab | biologic drug | 0.00169 | turquoise | CD86,FCGR2B,TNF |
| CACTIN | other | 0.00169 | turquoise | CCL5,CXCL8,TNF |
| SIRT4 | enzyme | 0.00169 | turquoise | ADGRE1,IL1B,TNF |
| 17alpha-hydroxyprogesterone caproate | chemical drug | 0.00169 | turquoise | CRH,PTGS2,VEGFA |
| miR-515-3p (and other miRNAs w/seed AGUGCCU) | mature microRNA | 0.00169 | turquoise | BCL11B,BCOR,BTG1 |
| miR-424-3p (miRNAs w/seed AAAACGU) | mature microRNA | 0.00169 | turquoise | CHEK1,LGALS3,WEE1 |
| lansoprazole | chemical drug | 0.00169 | turquoise | CD14,CXCL8,PTGS2 |
| glyphosate | chemical toxicant | 0.00169 | turquoise | ITPR1,S100A9,SOD1 |
| epiallopregnanolone | chemical - endogenous mammalian | 0.00169 | turquoise | LGALS3,PTGS2,TNF |
| TSC22D3 | transcription regulator | 0.00172 | turquoise | ANXA1,CCL3,CCL5,CD80,CD86,CEBPA,CXCL8,DPPA4,IL1B,PTGS2,RUNX2,TLR2,TNF |
| RRP1B | transcription regulator | 0.00174 | turquoise | AURKA,BIRC5,CCNA2,CDC6,CEBPB,CHEK1,CREBBP,EIF4B,FOXO1,GADD45A,HSP90AB1,KIF11,MCM4,MCM6,MDM2,PERP,PRKCD,RABIF,RARG,RPL13,RPS8,TOP2A,TUBG1,VDR |
| mir-210 | microRNA | 0.00174 | turquoise | ABCB9,ARG1,CDCA7L,CPEB2,DDOST,ELK3,FAM3C,FCER2,GDE1,H2AFY,IL16,KIAA0930,LASP1,MRPL36,NUP210,P4HB,PDXK,PSAP,SETD2,SIPA1L3,TP53I11 |
| Nfat (family) | group | 0.00175 | turquoise | ACP5,BAK1,CALCR,CCL3,CFLAR,CXCL8,DAAM1,EHD4,ELL2,FAS,FCER2,GRIA1,HAVCR2,HBEGF,IRF4,ITPR1,NCOA7,PTGS2,TCF7,TGFB2,TNF,TUBB3 |
| BTK | kinase | 0.00175 | turquoise | CCND2,CD38,CD69,CD86,CDK4,CEBPA,CEBPB,CTSA,CXCL8,CXCR4,FABP5,FOXO1,HMOX1,IGLL1/IGLL5,IL1B,IL21R,IRF4,ITGAV,ITGAX,MDM2,MTHFD2,SPN,TNF |
| tosedostat | chemical drug | 0.00177 | turquoise | ATF5,CARS,CEBPB,CLEC7A,CXCL8,GADD45A,PSAT1,SARS,VEGFA,WARS |
| proteasome inhibitor PSI | chemical - protease inhibitor | 0.00177 | turquoise | CCL3,CD55,CXCL2,FAS,HMOX1,HSPA5,MMP11,PRKCE,RUNX2,SMAD3 |
| NPC1 | transporter | 0.00179 | turquoise | ABCG1,CAV1,GUSB,ITGAX,LDLR,LGALS3,PTGS2,S100A8,STAT4,TLR4,TNF,XBP1 |
| ZNF106 | other | 0.00179 | turquoise | FGFR1OP2,GADD45GIP1,GLRX,LGALS1,LGALS3,LYZ,NDUFB10,RTN4,S100A8,SLC11A1,SSPN,TMEM106B |
| phenacetin | chemical drug | 0.00179 | turquoise | ANXA1,ANXA2,BIRC3,IER3,LGALS3,PLA1A,S100A10,S100A11,TES,TIMP1,UPP1,VIM |
| CLDN7 | other | 0.00191 | turquoise | ABLIM1,APLP2,CKAP4,CLIP4,CXCL8,FADS3,HLA-B,IGFBP7,LGALS3,MAGED1,MLEC,MRPL36,MRPS15,MT1X,MT2A,NCOA7,NETO2,PHGDH,PLA2G16,RRAS2,SERP1,SLC35B1,TEAD2,TIMP2,TMCO1,WIPI1 |
| BCOR | transcription regulator | 0.00194 | turquoise | ARID3A,BANK1,CD74,CIITA,IRF4,LSP1,PRDM1,TLR4 |
| FBXO32 | enzyme | 0.00194 | turquoise | ABCC4,BHLHA15,CADM1,CCND2,CXCL2,DNAJC3,FGF9,GADD45A,GCLC,HSPA5,HYOU1,IL1B,NANS,PTGS2,RPN1,SELENOS,SERP1,STT3A,XBP1 |
| CLEC4G | other | 0.00198 | turquoise | CDK4,PRF1,RUNX3,TBX21,TNF |
| Traj18 | other | 0.00198 | turquoise | CCL5,CD80,CD86,CXCL2,TNF |
| PDK2 | kinase | 0.00198 | turquoise | ARG1,IL1B,IRF4,IRF8,TNF |
| HLA-G | other | 0.00198 | turquoise | CD8A,CXCR4,CXCR5,FAS,LILRB2 |
| CD5 | transmembrane receptor | 0.00198 | turquoise | CCL3,CD4,CD69,CD70,CD72,CD80,CD86,CEBPB,GZMB,IL13RA1,IL5RA,LDLR,RUNX3,WNT10A |
| tyrphostin AG 1296 | chemical - kinase inhibitor | 0.00198 | turquoise | CD14,CD38,FCAR,ITGAM,PTGS2 |
| desmopressin | biologic drug | 0.00199 | turquoise | AHNAK,ANK3,ATP1A1,CRH,EIF4B,ENO1,ESAM,FLNA,GAPDH,HSPA8,LDHB,PLXDC2,PPIA,PXN,RPL23,S100A11,SEC61B,STX7,TUBB,VDAC1 |
| PRKCE | kinase | 0.00211 | turquoise | ABCB1,BIRC3,BIRC5,CAV1,CD55,CEBPB,CXCL8,HSP90AB1,HSPA5,IL1B,IL2RB,LDLR,PDCD4,PRKCE,PTGS2,TNF,VEGFA |
| EGR2 | transcription regulator | 0.00211 | turquoise | ACVR1,BAK1,BNIP3L,CAMK4,CBLB,CSF1R,CYP51A1,ELOA,EPHA4,FCER2,GATA3,HSPA5,ID2,IL1B,IL6R,IL7R,MIR17HG,MYB,PCDHGC3,PDE7A,PRDM1,PRKCD,RABGGTA,RORA,SLC16A1,TBX21,TFRC,TGFBR3,VEGFA,ZBTB16 |
| rosiglitazone | chemical drug | 0.00212 | turquoise | ABCG1,ACAA2,ACSL1,ADA,ADGRE1,ALOX5,APOA2,AQP3,ARG1,ATL1,ATP1A1,CAV1,CCL5,CD36,CD80,CD86,CEBPA,CFD,CIITA,CLEC7A,COX5A,CXCL8,ETFA,FABP5,FDX1,FFAR1,GAPDH,GATA3,GRIA1,GYG1,HCAR3,HMOX1,HSPA5,HSPA9,IL1B,IL1RN,IL21R,IL7R,IRS2,ITGAL,ITGAM,MCM6,MDH2,MGLL,NCK2,NR1D1,PLIN2,PPARGC1B,PTGS2,RORA,RUNX2,S100A8,S100A9,SAMHD1,SLC27A3,SOD1,SPN,TBX21,TIMP1,TLR4,TNF,TSHR,VEGFA,YWHAE |
| CpG ODN 2006 | chemical reagent | 0.00213 | turquoise | BIRC3,CCL5,CD80,CD86,CLEC2D,CXCL8,FCER2,GZMB,IL1B,TLR4,TNF,TNFRSF13B,TNFRSF17 |
| SOD1 | enzyme | 0.0022 | turquoise | ASL,ATP1A1,AURKAIP1,BAG3,BID,C5AR1,CCNC,CD14,CD36,CDK4,CDK5,CFLAR,CNR1,CREBBP,CSF1R,CYB561,ETS2,FOSL2,GCLC,GNAS,GNG5,GSTM1,GUK1,HMOX1,HSPA8,IL1B,JPT1,LIMK1,MINK1,NETO2,NFIL3,PAWR,PITPNA,PRKCE,PTGS2,RDX,RUNX2,SOD1,STAT4,TFRC,TGFBR2,TNF |
| HCAR2 | G-protein coupled receptor | 0.00221 | turquoise | AVEN,IL1B,KIF20A,PTGS2,TNF,TRIM8,WEE1 |
| TRAF2 | enzyme | 0.00221 | turquoise | AURKA,BIRC3,CCL5,CCR1,CD80,CFLAR,CR2,CXCL8,FAS,IL9R,IRF4,ITGB1,PBX3,PLBD1,PPFIBP2,PTPN14,TNF,WEE1 |
| mir-223 | microRNA | 0.00221 | turquoise | ABCB1,C5AR1,CD36,CD93,FAM198B,FBXW7,FGL2,FNIP2,HLA-DOB,ID2,IL1B,IL1RN,LY96,MCTP2,MEF2C,MLKL,MT1E,MYO1D,MYOF,NLRP3,S100A6,S100A9,SLC16A7,TGFBI,TLR4 |
| FGF1 | growth factor | 0.00221 | turquoise | ADGRE1,AHR,CCL3,COX5A,CR2,DUSP6,FZD1,GCLC,GPX1,GSTM1,HMOX1,IKZF2,IL1B,ITGAM,ITGAX,MKI67,PMEPA1,PRICKLE1,PTGS2,RFLNB,RHOU,TGFB2,TIMP3,TNF,VEGFA |
| ITGAM | transmembrane receptor | 0.00221 | turquoise | CCL3,CD80,CD86,CXCL8,IL1B,PTGS2,TNF |
| TBK1 | kinase | 0.00221 | turquoise | APOBEC3B,CCL5,CD70,CD80,CD86,CXCL2,CXCL8,FGL2,IL15RA,IL1B,PLA1A,PTGS2,SH3BP5,SLCO3A1,SLFN13,TLR2,TNF,VEGFA |
| HELLS | enzyme | 0.00221 | turquoise | CCNA2,CDC6,MCM4,RALGPS2,RNF146,SLC44A1,ZNF76 |
| FCER1G | transmembrane receptor | 0.00222 | turquoise | CCL3,CCL5,CD69,CXCL8,GATA3,IL1B,IL1RN,PTGS2,TNF |
| PRKCA | kinase | 0.00226 | turquoise | APOBEC3G,ARPC2,BCL11A,BNIP3L,CAV1,CD55,CIITA,CSTA,CXCL2,DIAPH1,DTX1,GBA,ID2,NOTCH4,PEG10,PLA2G6,PRKCD,PTGS2,RUNX2,S100A8,S100A9,TGFB2,TNF,VEGFA |
| S-nitrosoglutathione | chemical toxicant | 0.00226 | turquoise | BIRC3,CCL5,CD86,CD8A,CNR1,DDX5,IRS2,ITGAM,PTGS2,S100A10,SOD1,TNF |
| maslinic acid | chemical - endogenous non-mammalian | 0.00227 | turquoise | ACTN1,ARPC4,BID,CCND2,CDK4,CEBPB,CFL1,EIF4G1,IGHM,IRAK1,LIMK2,PLAUR,PPM1G,PRKCB,PRKCE,PRKCI,PTGS2,PXN,YWHAE |
| cryptotanshinone | chemical drug | 0.00231 | turquoise | BIRC5,CD14,CHEK1,GCLC,MTDH,TLR4 |
| AIMP1 | cytokine | 0.00231 | turquoise | CCL3,CCL5,CXCL2,CXCL8,IL1B,TNF |
| LBP | transporter | 0.00231 | turquoise | CD14,CXCL8,IL1B,IL1RN,TLR2,TNF |
| ATXN1 | transcription regulator | 0.00231 | turquoise | ATXN1,GFI1,ICMT,INPP5A,ITPR1,VEGFA |
| NRP1 | transmembrane receptor | 0.00231 | turquoise | CD86,IL1B,MCL1,PTK2,SLC27A3,TNF |
| MVP | other | 0.00231 | turquoise | CD1A,CD86,CXCL2,CXCL8,IL1B,TNF |
| ACTB | other | 0.00231 | turquoise | ACTG1,AURKA,DSTN,LIMK2,RACGAP1,SLC11A1 |
| PDK4 | kinase | 0.00231 | turquoise | ARG1,IL1B,IRF4,IRF8,PKM,TNF |
| NFATC1 | transcription regulator | 0.00232 | turquoise | ACP5,AHR,CALCR,CCND2,CDK4,CX3CR1,CXCR5,CYP1B1,FAS,IL1B,ITGAV,MYH11,NFATC3,PAG1,POU2AF1,PRDM1,PTGS2,SELPLG,TBX21,TNF,UTRN |
| ERK | group | 0.00233 | turquoise | ACP5,ACTN1,APOBEC3G,ARPC2,CAV1,CCR1,CDK4,CEBPD,CFLAR,CXCL2,CXCL8,DPYSL2,ESR1,EZH2,FAS,FOSL2,FOXO1,GCLC,HBEGF,HMGA1,HMOX1,IER3,IFNAR2,IL1B,ITGAM,ITGAV,KLF10,KYNU,LDLR,MAFB,MCL1,PRDM1,PTGS2,RUNX2,S100A12,TBX21,TIMP1,TNF,TYMP,VCAN,VEGFA |
| BCL3 | transcription regulator | 0.00234 | turquoise | CCL5,CD69,CD80,CD86,CXCL8,GATA3,ID2,IGHM,IL1B,PLAUR,TNF |
| ARHGAP21 | other | 0.00234 | turquoise | CD70,CITED2,CXCL2,FGL2,IL15RA,IRGM,PLA1A,PTGS2,SH3BP5,SLCO3A1,TNF |
| FASLG | cytokine | 0.00234 | turquoise | BIRC5,CFLAR,CXCL8,FAS,IL1B,RUNX2,STAT4,TGFB2,TNF,VEGFA |
| N-(3-(aminomethyl)benzyl)acetamidine | chemical reagent | 0.00234 | turquoise | BAK1,BIRC5,CD70,CFLAR,CHEK1,CKAP4,FAS,MDM2,TNFRSF1B,TP63 |
| ethionine | chemical toxicant | 0.00234 | turquoise | ANXA1,CD14,IER3,LGALS3,PLA1A,PSMB10,S100A10,S100A11,TES,TIMP1,UPP1 |
| etoposide | chemical drug | 0.00239 | turquoise | ABCB1,ABCG1,BIRC3,BIRC5,CCL3,CD80,CD86,CDK4,CEBPA,CFLAR,CREG1,CXCL8,DUSP4,EEF1B2,FAS,FBXW7,GADD45A,GZMB,ID2,IER3,IL1B,MCL1,MDM2,PEBP1,PRF1,REL,SVIL,TNF,TOP2A,TP53I3,TP63,TRADD,UHRF1,ZNF281 |
| KCNE3 | ion channel | 0.00242 | turquoise | BCAT1,CHL1,COCH,DUSP6,ERG28,FABP5,IGHM,IRF4,JCHAIN,NFIL3,PRDM1,PTGS2,SLC2A5,STAT4 |
| PHLPP2 | enzyme | 0.00247 | turquoise | PRKCB,PRKCD,PRKCE,TNF |
| MEFV | other | 0.00247 | turquoise | CXCL8,IL1B,LYZ,MDM2 |
| ABCD2 | transporter | 0.00247 | turquoise | ALOX5,IL1B,PTGS2,TNF |
| CCL-34 | chemical reagent | 0.00247 | turquoise | CD4,CD8A,ITGAM,ITGAX |
| cyclic guanosine monophosphate-adenosine monophosphate | chemical - endogenous non-mammalian | 0.00247 | turquoise | CD86,CXCL8,IL1B,TNF |
| EGTA acetoxymethyl ester | chemical reagent | 0.00247 | turquoise | CXCL8,PTGS2,TNF,VEGFA |
| palmitoyl-Cys((RS)-2,3-di(palmitoyloxy)-propyl)-Ala-Gly-OH | chemical reagent | 0.00247 | turquoise | CXCL8,PTGS2,TLR2,TNF |
| UDP-D-glucose | chemical - endogenous mammalian | 0.00247 | turquoise | HSP90B1,HSPA5,HYOU1,PDIA4 |
| IRF8 | transcription regulator | 0.0025 | turquoise | ADGRE1,BANK1,BCOR,CCL5,CD14,CD4,CD74,CD80,CD86,CEBPA,CIITA,CSF1R,CSF3R,FAS,IL1B,IRF4,IRF8,ITGAM,LSP1,MAFB,MDM2,PRDM1,TLR4,TNF,TYROBP |
| IKBKB | kinase | 0.00254 | turquoise | BIRC3,CALCR,CBLB,CCL3,CCL5,CCNA2,CCR1,CDC6,CEBPB,CEBPD,CFLAR,CSF1R,CXCL2,CXCL8,CXCR4,CYP1B1,DUSP6,ECT2,EZH2,FAS,FOXO1,GADD45A,HMOX1,IGFBP7,IL1B,IL1RN,KIF20A,LMNB1,MYO1D,PLD3,POU2AF1,PTGS2,REL,S100A4,SOCS2,TGFBR2,TIMP2,TIMP3,TNF,TNFAIP2,TNFRSF1B,TP63,UACA,VCAN,VEGFA |
| EPO | cytokine | 0.00258 | turquoise | BNIP3L,BTG1,CCND2,CD36,CLIC1,CREG1,CRH,CXCR4,FABP5,FAS,FECH,FPR1,GATA3,GBA,GLUL,GSPT1,H2AFY,H2AFZ,ITGB1,KPNA2,LDLR,MCL1,MID1IP1,MYB,NACA,NR3C1,PDCD4,PIK3IP1,PLCL2,PRKCB,PRKCD,PTGS2,PTPRB,RPL7,RPLP0,SAMSN1,SLC4A1,SOCS2,SOD1,TFRC,TLR4,TNF,TPI1,TXNIP,VEGFA,WDR1 |
| CAT | enzyme | 0.00263 | turquoise | BAK1,CAV1,CD36,CD69,CFLAR,CXCL8,CYP1B1,GCLC,HMOX1,MCL1,PTGS2,TIMP1,VIM |
| MAPK7 | kinase | 0.00263 | turquoise | BCL2L2,CXCL2,CXCL8,HMOX1,IL1B,MCL1,MEF2C,PTGS2,STEAP4,TNF,TP63,VEGFA,VIM |
| docetaxel | chemical drug | 0.00267 | turquoise | AURKA,BIK,BIRC5,CCNC,CCND2,CTNND1,EPS8,FAS,IL1B,ITGAV,MCL1,MCM4,NDC80,PTGS2,TFDP1,TGFB2,TNF,TUBB3,TUBB4B,TYMS |
| epicatechin gallate | chemical drug | 0.00273 | turquoise | ARG1,CXCL8,LYN,MDM2,PERP,PTGS2,TP53I11,VEGFA |
| VHL | transcription regulator | 0.00274 | turquoise | AIF1,ALDH1A1,CAV1,CFL1,CXCR4,FILIP1L,GPX1,HMOX1,IER3,MIF,MXI1,NEK8,NREP,PFKFB3,PPIL1,RAP1B,RHOF,SEC61G,SLC16A3,TFRC,TMED3,TNF,TYMS,UQCRQ,VEGFA,VIM |
| Pkc(s) | group | 0.00285 | turquoise | AHR,AQP3,ARNT,BCL11B,BIK,CD36,CD4,CD55,CDC6,CXCL8,CXCR4,DNAJC3,ERN1,FAS,GADD45A,HMOX1,HSP90B1,HSPA5,ID2,IL1B,ITGB1,MAP3K5,MAPK1,NOTCH4,NR1D1,P4HB,PDIA4,PLA2G6,PTGS2,PTPRE,RBL2,S100A8,TNF,VDR,VEGFA,XBP1 |
| Sb202190 | chemical - kinase inhibitor | 0.0029 | turquoise | ABCB1,ALOX5,BIRC5,CCL3,CCND2,CD55,CD86,CEBPB,CXCL8,FCER2,HMOX1,HSPA5,IL1B,LDLR,PPARGC1B,PRDX1,PTGS2,S100A8,TIMP2,TNF,TP63,TYMP,VDR,VEGFA |
| F2RL1 | G-protein coupled receptor | 0.00294 | turquoise | CAV1,CXCL2,CXCL8,DUSP6,FAS,GBP4,HBEGF,IL1B,IRF8,PTGS2,RARG,TNF,TXNIP,VEGFA |
| Collagen(s) | complex | 0.00297 | turquoise | C5AR1,CD55,CD63,CR2,EDEM1,GZMA,ITGAM,PLA2G6,PRF1,PSAT1,PXN |
| dichlorovinylcysteine | chemical toxicant | 0.00298 | turquoise | CDK4,ENO1,HBEGF,HSPA9,MDH2,PKM,PPA2,PRDX5,PSMA1 |
| CCL2 | cytokine | 0.00302 | turquoise | ABCG1,BIRC5,CCL5,CD80,CD86,CEBPA,CEBPB,CEBPD,CFLAR,CXCL8,FOLR2,IL1B,ITGAL,MKI67,PTGS2,SLC11A1,TIMP1,TNF |
| Sn50 peptide | chemical toxicant | 0.00317 | turquoise | BCL2L2,BIRC3,BIRC5,CXCL2,CXCL8,FAS,GZMB,HMOX1,IL1B,MIF,MTDH,PTGS2,SLC8A1,TNF,TYMP |
| Nr1h | group | 0.00318 | turquoise | ABCG1,ALDH1A1,AQP3,ATP1B1,BMP6,CAV1,CCL3,CCL5,CCND2,CXCL8,FECH,FLT1,HLA-DOA,HLA-DOB,ICOSLG/LOC102723996,IL1B,ITGAL,ITPR1,MARCKSL1,NLRP3,PTGS2,RUNX3,SLC8A1,SYT7,TIMP3,TLR4,TNF,ZBTB16 |
| MPZ | other | 0.00324 | turquoise | CDK2AP1,DERL3,DNAJC3,ERO1B,HSPA5,ID2,SDF2L1 |
| IDO1 | enzyme | 0.00324 | turquoise | CD80,CD86,GATA3,ITGAX,SLC1A4,SLC3A2,TNF |
| PTAFR | G-protein coupled receptor | 0.00324 | turquoise | BIRC5,CXCL2,CXCL8,IL1B,PTGS2,TNF,VIM |
| TMBIM6 | other | 0.00324 | turquoise | EDEM1,ERN1,ERO1B,HMOX1,HSPA5,SEC61A1,XBP1 |
| RARRES2 | transmembrane receptor | 0.00324 | turquoise | CCL5,CCNA2,CCND2,CD55,CXCL2,IL1B,TNF |
| PD 169316 | chemical - kinase inhibitor | 0.00324 | turquoise | BIRC3,BIRC5,CCND2,PPARGC1B,PTGS2,TIMP3,VIM |
| 2-(4-amino-1-isopropyl-1H-pyrazolo[3,4-d]pyrimidin-3-yl)-1H-indol-5-ol | chemical reagent | 0.00333 | turquoise | AURKA,BBS4,BIRC5,CDC6,CDCA2,CFLAR,E2F2,KNL1,KPNA2,MTHFD2,NCAPG,PAXX,TOP2A,TROAP,TXNIP,ZNF296 |
| IFNB1 | cytokine | 0.00333 | turquoise | ANXA5,BAK1,CALCR,CAPN2,CCL3,CCL5,CD14,CD38,CD80,CD86,CXCL2,CXCL8,GBP4,GZMH,ICOSLG/LOC102723996,IDI1,IL1B,IRGM,ITGAV,ITGAX,MCM6,MGST2,NDUFA13,PTGS2,RARRES3,RASSF1,REL,RNASE4,SIRPB1,SLFN13,SPRY1,STARD4,STAT4,TIMP1,TIMP2,TNF,TRIM14,TRIM38,UBE2E2,UCHL1,VCL,VDR |
| PI3K (family) | group | 0.00336 | turquoise | ABCG1,BIRC3,BIRC5,CFLAR,CXCL8,CXCR4,ESR1,FBXO32,FOXO1,GCLC,HMOX1,HSPA5,IL1B,ITGB1,MCL1,PKM,PTGS2,PXN,RDH10,SKIL,TNF,TXNIP,VEGFA |
| MAP2K1 | kinase | 0.00337 | turquoise | ABCB1,AHR,APOBEC3G,ASGR2,BIRC3,CAPN3,CCL5,CEBPA,CFLAR,CSTA,CXCL8,DUSP6,ENO1,FLNA,FURIN,GUSB,HSPA5,ITGB1,ITPR1,LDLR,LGALS3,NUDT19,PLAUR,PTGS2,RAP2B,RRAGD,RUNX2,SERPINA1,SIRPA,SMAD3,TNF,VEGFA,ZWINT |
| PRNP | other | 0.00345 | turquoise | ABCB1,AHR,CCL5,EPS8,ETS2,FGF9,HSP90B1,HSPA5,HSPA8,HSPA9,ID2,IL1B,MDM2,MMP11,PLAUR,TCF7,TNF |
| MAPK3 | kinase | 0.00351 | turquoise | B4GALT5,CCL3,CD69,CD86,CSTA,CXCL8,DUSP4,ESR1,FOSL2,FURIN,ITGB1,MCL1,PLAUR,PTGS2,SMAD3,SOD1,TIMP1,TNF |
| bee venom | chemical - endogenous non-mammalian | 0.00353 | turquoise | CCL5,CREBBP,CXCL8,EHD1,ETS2,FYB1,GADD45A,IL1B,ITGAV,LCP2,MKI67,NFIL3,NLRP3,NUSAP1,PTGS2,TNF,TNFAIP2,TOP2A,YBX3,ZBTB7A |
| FOXO4 | transcription regulator | 0.00353 | turquoise | CAV1,CCND2,CDC42EP3,CERS5,CYP51A1,ELOVL5,FABP5,FLNB,GADD45A,IDI1,IER3,IGFBP7,ITGAM,LCP2,NAMPT,PRKCD,PTPRB,RBL2,VEGFA,ZFAND5 |
| KIT | transmembrane receptor | 0.00353 | turquoise | BIRC5,CCND2,CD63,CSF2RB,CXCR4,HMOX1,HSD17B10,IL15RA,IL4R,ITGAM,ITGAX,LGALS3,MCL1,MGST2,PSTPIP2,PTPN18,RAB32,SH3BP2,SOCS2,TNF |
| Fcer1 | complex | 0.00354 | turquoise | CCL3,CCL5,CD1A,CD4,CFLAR,CXCL8,DUSP6,FCGR2B,IL16,IL1B,IL1RN,ITPR1,KMO,TNF |
| RELA | transcription regulator | 0.00354 | turquoise | ABCB1,ACTN4,AHR,ARFGAP3,BACH2,BIRC3,BIRC5,BLVRA,BNIP3L,CAV1,CCL3,CCL5,CD14,CD59,CD69,CD80,CEBPB,CIITA,CITED2,CR2,CXCL2,CXCL8,CXCR4,ELMO1,FAS,HLA-B,HMOX1,HSP90B1,IER3,IGHM,IGKC,IL15RA,IL1B,IL1RN,IL32,IL7R,IRF4,KLF10,LYN,MDM2,MIF,MYB,NAMPT,PKM,POU2AF1,PRDM1,PRKCD,PSMB10,PTGS2,PXN,S100A6,SCO2,SLC2A5,TBX21,TLR2,TNF,TNFAIP2,TP63,TREM1,TUBB3,UBE2H,VEGFA,VIM |
| MUC1 | other | 0.00354 | turquoise | ALDH1A1,ARG1,CCND2,CD1A,CD86,CHEK1,CXCL8,GCLC,MGST1,MKI67,MT1G,SOD1,TNF,VIM |
| phenylbutazone | chemical drug | 0.00354 | turquoise | ANXA1,ANXA2,FCGR2A,FXYD5,IER3,LGALS3,PLA1A,PTGS2,S100A10,S100A11,TIMP1,TUBB,UPP1,VIM |
| NOS2 | enzyme | 0.00357 | turquoise | BIRC5,CD14,CD80,CD86,CFD,CLEC4D,CSF3R,CTSC,CXCL2,CXCL8,FAS,FOXO1,HMOX1,IL1B,IL1RN,IL32,IRAK1,IRS2,PERP,PRF1,PTGS2,S100A8,TERF2,TIMP1,TKT,TLR4,TNF,TOR3A,TYROBP,VEGFA |
| highly active antiretroviral therapy | chemical drug | 0.00358 | turquoise | CD4,CXCR4,IL7,IL7R,TNF |
| LINC01139 | other | 0.00358 | turquoise | ALDOA,LDHA,MAPK1,PKM,SLC16A3 |
| B4GALT6 | enzyme | 0.00358 | turquoise | CCL5,IL1B,PTGS2,TLR2,TNF |
| BMS-754807 | chemical drug | 0.00358 | turquoise | BIRC5,CCNA2,EPHA4,MKI67,TGFBR2 |
| PELI1 | enzyme | 0.00358 | turquoise | CCL5,CFLAR,CXCL8,IL1B,TNF |
| miR-150-5p (and other miRNAs w/seed CUCCCAA) | mature microRNA | 0.00358 | turquoise | CEBPB,CSF1R,MIAT,MYB,VEGFA |
| azetidyl-2-carboxylic acid | chemical reagent | 0.00358 | turquoise | EDEM1,HSP90B1,HSPA5,HSPA8,HSPA9 |
| cortistatin A | chemical reagent | 0.00358 | turquoise | CEBPA,FOSL2,GFI1,IRF8,JARID2 |
| nickel chloride | chemical toxicant | 0.00358 | turquoise | GAPDH,IL1B,PTGS2,TNF,VEGFA |
| Z-DEVD-FMK | chemical - protease inhibitor | 0.00358 | turquoise | BLMH,CXCL2,FCER1G,MCL1,MEF2C |
| THRAP3 | transcription regulator | 0.00363 | turquoise | APLP2,CFD,DDX17,NR3C1,PEG10,TXNIP |
| PADI2 | enzyme | 0.00363 | turquoise | CXCL2,CXCL8,MKI67,PTGS2,TNFRSF1B,VIM |
| E2F7 | transcription regulator | 0.00363 | turquoise | CCNA2,CDC6,CHEK1,E2F2,ECT2,RACGAP1 |
| CFB | peptidase | 0.00363 | turquoise | C5AR1,CR2,CXCL2,HSPA5,ITGAM,TGFB2 |
| ARNT2 | transcription regulator | 0.00363 | turquoise | ABCG1,ANG,CCR1,CD86,COPZ2,CPXM2,CXCR5,ELL2,FCGR2A,FNBP1,GLUL,GZMH,ICMT,IGFBP4,IL6R,LRRFIP1,MDM4,NACA,NAP1L4,NDUFA1,OAZ1,PGK1,PLCB1,POLD4,RBL2,RGS10,SERPINA5,SMAD3,SYT7,TCL1A,THRB,TNF,TYROBP,VEGFA,WNT7B |
| TNFRSF13B | transmembrane receptor | 0.00363 | turquoise | CD19,CFLAR,FAS,IGHM,PRDM1,XBP1 |
| Z-551 | chemical reagent | 0.00363 | turquoise | ADGRE1,CD36,IL1B,ITGAM,TLR4,TNF |
| lith-O-Asp | chemical reagent | 0.00363 | turquoise | CFL1,PGK1,PTK2,PXN,RNH1,WDR1 |
| phenyl-N-tert-butylnitrone | chemical reagent | 0.00363 | turquoise | CD80,CD86,CXCL8,HMOX1,PTGS2,TNF |
| chlorogenic acid | chemical drug | 0.00363 | turquoise | HMOX1,NFATC3,NINJ1,PTGS2,TLR4,TNF |
| hydrogen sulfide | chemical - endogenous mammalian | 0.00363 | turquoise | CD69,CXCL8,HMOX1,HSPA5,PTGS2,TXN |
| manganese | chemical - endogenous mammalian | 0.00363 | turquoise | C5AR1,GAPDH,GOLIM4,HSP90B1,HSPA5,PTGS2 |
| E2f | group | 0.00369 | turquoise | CAV1,CBX5,CCNA2,CDC6,DLEU2,E2F2,GINS2,GMNN,HIST1H3B,ITGB1,MCM4,MCM6,MIR17HG,MTHFD1,MYB,NUSAP1,PCYT1A,PRR11,RRM2,SKA2,TPX2,TYMS,UBE2C,YBX3 |
| Hsp70 | group | 0.00374 | turquoise | CD14,CD86,CXCL8,FBXO32,GAPDH,GZMB,HCST,IL1B,TCL1A,TNF,TYROBP |
| miR-27a-3p (and other miRNAs w/seed UCACAGU) | mature microRNA | 0.00374 | turquoise | CYP1B1,FBXW7,FOXO1,MEF2C,PXN,RXRA,SMAD3,SRM,THRB,WEE1,ZBTB10 |
| CTSS | peptidase | 0.00375 | turquoise | BID,COL4A3,FAS,IL1B,ITGB1,PRKCD,TNF,UTRN |
| miR-30c-5p (and other miRNAs w/seed GUAAACA) | mature microRNA | 0.0038 | turquoise | ACVR1,ADPGK,FRG1,GALNT1,IRS2,LRRC8C,NT5E,NUCB1,PGM1,PTPRK,RBMS1,RUNX2,SEC62,SLC38A1,STX7,THEM4,TMCO1,TMED2,TMED3,TMED7,TNF,TNFAIP2,UAP1 |
| Creb | group | 0.00387 | turquoise | ALOX5,ANK3,ARG1,BAK1,BMP6,CD14,CD59,CEBPA,CEBPD,CFLAR,CLMN,CRH,CSF1R,CSRP1,CXCL8,CYP51A1,DCTN3,DPY19L3,DUSP4,EIF4EBP2,FAS,FCER1G,FGFR1OP2,FLNB,GABBR1,GIMAP8,GNAS,GRK3,IER3,IL1B,ITGAM,LASP1,LDLR,MCL1,MIF,MYB,NDFIP2,NR3C1,OSBPL3,PGK1,POU2AF1,PPFIBP1,PTGS2,SKIL,SLC8A1,SOD1,TNF,TSHR,VEGFA |
| black raspberry extract | chemical drug | 0.0039 | turquoise | ACTN4,AHNAK,ANXA2,ARPC2,ATP6V0E1,CASD1,CCNC,DDX5,GATD3A/GATD3B,H2AFZ,HMMR,HMOX1,KLF10,MCL1,PCLAF,PHGDH,PIAS2,PSMA6,SLC30A1,TMED2,UBE2C,USP14 |
| alvocidib | chemical drug | 0.00391 | turquoise | AEN,AIF1,BIRC3,BIRC5,CFLAR,ITGAM,MCL1,TXN,VEGFA,XRCC6 |
| obeticholic acid | chemical drug | 0.00394 | turquoise | ABCB1,ABCB4,CEBPA,CXCL2,IL1B,NR3C1,TIMP1,TIMP2,TNF |
| SRF | transcription regulator | 0.00418 | turquoise | ACTG1,ARHGAP20,CCL5,CD19,CDK4,CEBPD,CSRP1,CXCR4,DSTN,EYA2,FCN1,FILIP1L,FLNA,FLT1,GADD45A,GFI1,HMOX1,IGHM,ITGAM,ITGB1,LDLR,MAP3K14,MBD2,MCL1,MGAT4A,MGST1,MGST2,MYB,MYH11,MYO1B,NCOA7,NLRP1,PDLIM7,PGM1,PKHD1L1,PPIA,PTGS2,RNH1,S100A8,S100A9,SEMA3A,SLC8A1,SMTN,SND1,SVIL,TBXAS1,TCF7,TST,TTN,TUBB4B,VCAN,VCL,ZYX |
| trichloroethylene | chemical toxicant | 0.00423 | turquoise | ARHGAP18,ATF5,CD63,CHP1,CITED2,GSTO1,ID2,IL13RA1,MDM2,RTN4,SLC16A1,SLC9A3R1,SOS2,TXNIP |
| NUPR1 | transcription regulator | 0.00423 | turquoise | AEN,ANK3,APOBEC3B,ASPM,ATP6V0A1,AURKA,B3GNT5,BTG1,BUB1B,CAMK2N1,CCDC77,CCNA2,CD63,CDCA2,CDCA3,CDK4,CEBPB,CITED2,CREB5,CROT,CXCL8,CXCR4,CYSTM1,ELL2,FAM111B,FCHSD2,GABBR1,GADD45A,GPCPD1,GRAMD2B,HBEGF,HIST1H2AL,HIST1H2BM,HIST1H3B,HIST1H3C,HIST1H3F,IL13RA1,IL6R,IRS2,KIF11,KIF20A,KIF2C,KNL1,LMNB1,LRP8,MGLL,MKI67,MKKS,MMD,MRS2,MT1X,NAAA,NFIL3,NR1D1,PFKFB3,PPFIBP2,PPWD1,RAB20,RAB32,RBMS1,RILPL2,RNF19B,SAMHD1,SAT1,SHCBP1,SIGMAR1,SKA2,SLC16A6,SLF1,SPC24,SYNE2,TRERF1,TRIB1,UAP1,UPP1,VANGL1,XBP1,ZNF296 |
| hydroxyurea | chemical drug | 0.00423 | turquoise | ABCB1,CCND2,CDC6,CHEK1,E2F2,GADD45A,GINS2,GMNN,GPX1,MARCKS,MDM2,PDE4A,RRM2,UHRF1 |
| CpG ODN 1668 | chemical reagent | 0.00431 | turquoise | CD200,CD69,CD80,CD86,CFLAR,CXCL8,IL1B,PRDM1,PTGS2,TLR4,TNF,XBP1 |
| TP63 | transcription regulator | 0.00432 | turquoise | ABCB1,ABI2,ADA,ADA2,AEN,AHR,ARG1,ATG4A,BRAF,CCNA2,CCND2,CEBPA,CFLAR,CITED2,COL4A3,CSTA,CXCL8,CXCR4,DNM2,DST,DUSP6,FAS,GADD45A,GAPDH,GFI1,HBEGF,HBP1,HSPA8,IER3,IGFBP7,IL1B,ITGB1,KCNG1,LYN,MDM2,MRPL41,MYB,NT5E,PERP,PIK3CA,PTPN12,RACGAP1,RAP2A,REL,RUNX2,S100A4,S100A8,SMAD3,SSPN,TGFB2,TGFBR2,TIMP3,TMBIM6,TP53I3,TP63,UBE2H,VDR,VEGFA,VIM,VMP1,WEE1 |
| NR3C2 | ligand-dependent nuclear receptor | 0.00441 | turquoise | ARPC2,ATP1B1,BID,CNN3,CXCL8,CYFIP2,FKBP1A,FKBP5,GPX1,HMOX2,HSPA9,IL1B,KLF9,MSRB1,NR3C1,PPIB,PTGS2,ST3GAL3,TNF,TUBA4A,TUBB3,VEGFA |
| carbon tetrachloride | chemical toxicant | 0.00446 | turquoise | ABCC4,APOA2,CCL5,CCNC,CCR1,CD38,CNR1,CREBBP,FKBP1A,GADD45A,GCLC,GLUD1,GSTK1,GSTM1,HDGF,HMOX1,IL13RA1,IL1B,ITGB1,MGLL,PDGFD,PTAFR,PTGS2,S100A6,SKIL,SLC8A1,SMAD3,TGFB2,TGFBR2,TIMP1,TIMP2,TIMP3,TNF |
| MAPK14 | kinase | 0.00455 | turquoise | ACP5,CCL5,CCNA2,CD80,CD86,CEBPD,CXCL8,CYP51A1,DUSP6,FAS,FLT1,FOSL2,GADD45A,GNAS,HMOX1,IL1B,LDLR,MEF2C,MYH11,PLAUR,PPARGC1B,PRDX1,PTGS2,SOD1,TBX21,TIMP1,TIMP2,TNF,TOP2A,VDR,VEGFA |
| peoniflorin | chemical drug | 0.00462 | turquoise | ATP5F1A,COX5A,ENO1,HMOX1,PSMB7,TUBB,UBE2N |
| ERVW-1 | other | 0.00462 | turquoise | CCL5,CCNA2,CNP,CXCL8,HSPA5,SLC1A4,XBP1 |
| IgG1 | complex | 0.00462 | turquoise | CD14,CD80,CD86,CXCL8,ITGAV,MCL1,TNF |
| SOCS6 | other | 0.00462 | turquoise | CEBPD,CXCL2,HBEGF,IL1B,PLA1A,PTGS2,TNF |
| MNT | transcription regulator | 0.00462 | turquoise | CCND2,CDK4,E2F2,FBXO32,KLF10,TNF,TXNIP |
| ABCA1 | transporter | 0.00466 | turquoise | ABCG1,ANXA1,APOA2,CYP51A1,HSPA5,IL1B,LDLR,NAMPT,PTGS2,TLR4,TNF |
| ADRB2 | G-protein coupled receptor | 0.00466 | turquoise | ATP1A1,ATP1B1,CD86,CYP1B1,GNAI3,GNAS,GRK3,IDE,POU2AF1,RAB1B,TNF |
| NS-398 | chemical reagent | 0.00469 | turquoise | BIRC5,CAPN2,CCL5,CXCL8,CXCR4,DNM2,IL1B,MCL1,PDCD4,PRDX1,PTGS2,S100A8,S100A9,TFRC,TNF,TREM1,VEGFA,XRCC6 |
| E2F3 | transcription regulator | 0.0048 | turquoise | BIRC5,CCNA2,CDC6,CDCA3,COL18A1,CTNND1,CXCR3,E2F2,EED,EZH2,L3MBTL4,MCM4,MCM6,MIR17HG,MT1G,MT1X,MYB,NEAT1,PCLAF,PTTG1,RALGPS2,RNF146,RRM2,S100A8,TIMP3,TM9SF2,TNFAIP2,TPX2,UBE2C,ZNF76 |
| quercetin | chemical drug | 0.00482 | turquoise | ACAA2,BIRC5,CAV1,CD63,CRH,CXCL8,ESR1,GNAI3,HMOX1,HSPA5,IL32,ITGAL,LDLR,MCL1,MKI67,NFE2L1,PLAUR,PRDX3,PRDX5,PRICKLE1,PTGS2,SOD1,TNF |
| MAPK9 | kinase | 0.00483 | turquoise | BAK1,BIRC3,CAV1,CCL5,CD70,CDT1,CEBPB,CXCL8,FAS,FGL2,FOSL2,GADD45A,GAPDH,GSTM1,HMGA1,IL15RA,IL1B,MARCKSL1,MIF,PLA1A,PLIN2,SELPLG,SEM1,SERPINA1,TBX21,TNF,VDR,ZYX |
| Hsp27 | group | 0.00495 | turquoise | CD14,CD163,CD1A,CD86,CSF1R,CXCL8,FBXO32,GBA,IL6R,PTGS2 |
| topotecan | chemical drug | 0.00503 | turquoise | ACSL1,ARPC1B,AURKA,BTG1,CD200,CFLAR,CHD3,CITED2,ENO1,FAM3C,FAS,GPX1,HMMR,HS3ST1,HSPA8,JMJD1C,KIAA0040,MCL1,MDM2,MGST2,MYB,NFATC4,NINJ1,PCDH9,PLCB1,PTGS2,PTK2,PTPRK,RCBTB2,TOP2A,TP53I3,TST,VCL,VEGFA |
| MSC | transcription regulator | 0.00504 | turquoise | ASB2,CD19,CHL1,FCRL2,GPAT3,HAVCR2,IGH,JCHAIN,PAG1,PAX5,PCED1B,SLC51B,SYNE2,TRIB1 |
| SIN3A | transcription regulator | 0.00504 | turquoise | ARID4B,CCND2,E2F2,ESR1,FBXO32,KLF10,MAP4,MXI1,PMM1,PTGS2,RBL2,S100A9,TGFBR2,TXNIP |
| CHRNA7 | transmembrane receptor | 0.00505 | turquoise | CXCL2,IL1B,IL1RN,ITGAM,MAPK1,TIMP2,TIMP3,TNF |
| TRB | transmembrane receptor | 0.00505 | turquoise | CD4,CD8A,CXCR3,FAS,GATA3,NT5E,SELPLG,TNF |
| LTB4R | G-protein coupled receptor | 0.00505 | turquoise | ALOX5,CLEC7A,CXCL2,CXCL8,FLT1,LDLR,TNF,VEGFA |
| THBS4 | other | 0.00505 | turquoise | CRELD2,HSPA5,HYOU1,MANF,MTHFD2,P4HB,SDF2L1,TGFB2 |
| let-7a-5p (and other miRNAs w/seed GAGGUAG) | mature microRNA | 0.00506 | turquoise | ATP6V0A1,BCL7A,BIRC5,BSG,CCND2,CEMIP2,CHMP2A,DAD1,DOCK5,DSP,HMGA1,HMOX1,HYOU1,MRPS24,PRDM1,PTGS2,RDH10,S100A4,SIGMAR1,SLC1A4,SLC38A1,SMC1A,SMOX,SPCS3,TGFBR3,TLR4,TYMS,UHRF1,VIM |
| TNFSF13 | cytokine | 0.00512 | turquoise | CCND2,CDC6,CDK4,IGHA1,IRF4,MCM4,MCM6,PRDM1,XBP1 |
| ramipril | chemical drug | 0.00512 | turquoise | CRH,DDR1,LAMC1,PTGS2,TIMP1,TIMP2,TLR4,TNF,VEGFA |
| N-methyl-L-arginine | chemical - endogenous mammalian | 0.00512 | turquoise | CD8A,FAS,HMOX1,PLAUR,PRDX1,PTGS2,SOD1,TNF,VEGFA |
| N-acetyl-L-cysteine | chemical drug | 0.00516 | turquoise | ABCB1,ADGRE1,ATP1A1,BIRC3,BSG,CAV1,CCL5,CCND2,CD36,CD80,CD86,CFLAR,CXCL8,CXCR4,DUSP6,FAS,FBXO32,GCLC,GZMB,HAX1,HBEGF,HMOX1,HSPA5,IL1B,ITGAM,LY96,MYH11,NLRP3,PLAUR,PTGS2,SLC16A1,TGFBR2,TNF,TXN,VEGFA |
| PNPLA8 | enzyme | 0.00521 | turquoise | FBXO32,HMOX1,HSP90B1,HSPA5 |
| RUNX3 | transcription regulator | 0.00521 | turquoise | AGTRAP,BIRC5,CD4,CFLAR,CIITA,COL4A4,CPVL,CXCL8,DIP2C,EXT1,FGF9,FLNA,GNAQ,IL1B,ITGAL,ITGAM,ITGAX,LILRB3,RTN1,SGPP1,TBC1D12,TGFB2,TNF,VIM |
| U1 snRNP | complex | 0.00521 | turquoise | CCL3,CCL5,SLAMF7,TNF |
| CTSZ | peptidase | 0.00521 | turquoise | CD80,CD86,LILRB2,TNF |
| FALEC | other | 0.00521 | turquoise | CYFIP2,FAS,FBXW7,TP53I3 |
| CLIC4 | ion channel | 0.00521 | turquoise | CCL5,CXCL2,IL1B,TNF |
| benzoic acid | chemical - endogenous mammalian | 0.00521 | turquoise | IL1B,ITGAM,ITGAX,TNF |
| TPCA-1 | chemical - kinase inhibitor | 0.00521 | turquoise | BACH2,CXCL8,IL1B,TNF |
| lemairamin | chemical reagent | 0.00521 | turquoise | IL1B,PTGS2,TLR4,TNF |
| gliotoxin | chemical toxicant | 0.00521 | turquoise | BIRC3,BIRC5,IER3,TNF |
| tin protoporphyrin IX | chemical reagent | 0.00521 | turquoise | CD86,FLT1,HMOX1,TNF |
| sanguinarine | chemical - endogenous non-mammalian | 0.00521 | turquoise | BIRC5,HMOX1,TIMP1,TIMP2 |
| CEBPE | transcription regulator | 0.00525 | turquoise | CCND2,CD14,CDK4,CEBPB,CSF1R,CSF3R,IL1RN,IL5RA,ITGAM,LYZ,PTGS2,TNF |
| IL12B | cytokine | 0.00525 | turquoise | CCL5,CD86,CEBPD,CXCL8,ERN1,GZMB,IL1B,S100A8,S100A9,SELPLG,STAT4,TNF |
| fenretinide | chemical drug | 0.00536 | turquoise | AFDN,BAK1,BID,CFLAR,DIAPH1,ENAH,GZMB,IGFBP7,IL1B,MKI67,PRF1,PTGS2,RARG,RBL2,RXRA,VEGFA |
| LEP | growth factor | 0.00539 | turquoise | ADGRE1,APOA2,AQP3,AQP9,ASL,ATP5F1A,BAK1,BID,BIRC5,CAV1,CCL5,CCNA2,CD14,CD36,CD63,CEBPB,CFD,CRH,CROT,DUSP6,ELOVL5,ESR1,ESR2,FAS,FDX1,FLT1,FMO5,GADD45A,GAPDH,GCLC,GNAS,GOT2,GPX1,GRIA1,HSPA5,IL1B,IL1RN,IRS2,ITGAM,ITGAX,KISS1R,LDLR,MCL1,MDM2,MLX,NAMPT,NR3C1,PLIN2,PPARGC1B,PRDX1,PRF1,PSMB3,PTGS2,RUNX2,SLC16A1,SOD1,STEAP4,TIMP1,TIMP3,TMED9,TNF,VEGFA,VIM |
| MAFB | transcription regulator | 0.0054 | turquoise | ACTN1,ADA,ADGRE1,CD163,CD38,CXCL2,FCGBP,FPR1,GATM,HS3ST1,IL18BP,IL7R,LGMN,MAFB,MARCKS,MTSS1,PRDM1,STAB1 |
| mycophenolic acid | chemical drug | 0.0054 | turquoise | BIRC3,CCND2,CD55,CD59,CD63,CXCL8,CXCR4,HBEGF,HSPA5,ID2,IL1B,LDLR,MYL12A,PDLIM5,PTGS2,RUNX2,SLC30A1,USP53 |
| Iga | complex | 0.00545 | turquoise | CCL3,CD80,CD86,CXCL8,FCGR2B,TNF |
| Cyp2c23 | enzyme | 0.00545 | turquoise | CCNA2,CD86,CX3CR1,ITGAM,PLXDC2,TGFB2 |
| IL2RA | transmembrane receptor | 0.00545 | turquoise | CCND2,CD86,GZMA,IL15RA,PRF1,TNF |
| TCF7L2 | transcription regulator | 0.00545 | turquoise | ABHD17B,ACSL1,ALOX5,ANKIB1,ANLN,ANXA1,AQP3,AQP9,ARHGEF10,BIRC5,CAMK2N1,CCND2,CD4,CEMIP2,CNP,CREB5,CSRP1,CYP51A1,EVI2A,FA2H,FBXO32,FKBP1A,GAB1,GLUL,GRAMD2B,HIPK2,ID2,IRS2,KMT5A,LDLRAP1,MAN1A1,MAP7,NINJ2,OTUD7B,PAPSS1,PICALM,PKD1,PLEKHA1,PLEKHG1,PRICKLE1,QKI,RAB31,RAB33A,RAP2A,RFFL,RNASE4,SECISBP2L,SLC44A1,TAF10,TGIF1,TP63,UBE2G1,VEGFA |
| mir-1 | microRNA | 0.00561 | turquoise | ADPGK,ANXA2,ATP6V0A1,CCND2,CEBPB,CNN3,CXCL8,EIF4E3,EML4,ESR1,FBXO32,HNRNPA3,HSP90B1,LASP1,PDCD4,PICALM,PPIB,SEC61A1,SERP1,TAGLN2,UTRN,VEGFA |
| Ap1 | complex | 0.00562 | turquoise | BAK1,CALM1 (includes others),CCL3,CCL5,CCNA2,CXCL8,DUSP6,GZMB,HMOX1,HSP90B1,IL1B,KCNN4,MT2A,NOTCH4,NR3C1,PRDM1,PTGS2,S100A4,SLC8A1,TIMP1,TLR4,TNF,UFD1,UTRN,VDR,VEGFA,XYLT1 |
| CD3 group | group | 0.00567 | turquoise | CBLB,GATA3,HAVCR2,IL1B,LDHA,LPCAT2,LPCAT4,MBOAT1,PLA2G6,SLC16A3,TBX21,TFRC,TNF |
| rotenone | chemical toxicant | 0.00567 | turquoise | BIRC3,BSG,CFLAR,CXCL2,HMOX1,IL1B,ITGAM,PTGS2,SLC16A1,TIMP1,TIMP2,TNF,TXNIP |
| HBEGF | growth factor | 0.00575 | turquoise | ALDOA,CCND2,CSF1R,CXCR4,ITGB1,LDHA,MAPK1,PKM,PTGS2,SLC16A3,VEGFA |
| aldesleukin | biologic drug | 0.00575 | turquoise | CANX,CD86,FCGR2A,FCGR2B,FCGR3A/FCGR3B,GLUL,HLA-B,IFI30,IGKC,PSMB6,TNFRSF10C |
| RNA polymerase II | complex | 0.00579 | turquoise | ALAS1,ARG1,ATP6V0A1,CBX5,CCL5,CCND2,CD14,CD4,CD80,CEBPA,CIITA,CXCL2,CXCL8,CXCR4,CXCR5,CYP1B1,DLGAP5,ENO1,ESR1,FLT1,FOSL2,GADD45A,GAPDH,HCST,IL1B,IL1RN,KPNA2,LDLR,MAPK1,MEF2C,MINOS1,NBPF10 (includes others),NCOA3,PBX3,PCDHGC3,PPARGC1B,PTGS2,PTK2,RUNX2,TNF,TOP2A,TXN,WNT7B |
| clobetasol propionate | chemical drug | 0.00592 | turquoise | CD80,CD86,FABP5,FAS,GCLC |
| coal tar | chemical drug | 0.00592 | turquoise | CYP1B1,GCLC,GPX1,HMOX1,PTGS2 |
| E2F8 | transcription regulator | 0.00592 | turquoise | CCNA2,CDC6,CHEK1,ECT2,RACGAP1 |
| TIA1 | other | 0.00592 | turquoise | CALM1 (includes others),CCNA2,PTGS2,TNF,VEGFA |
| AK1 | kinase | 0.00592 | turquoise | ENO1,GAPDH,GLUD1,LDHA,PKM |
| ADAM15 | peptidase | 0.00592 | turquoise | CCL5,FLT1,ITGAV,TNF,VEGFA |
| SIRPA | phosphatase | 0.00592 | turquoise | CCL5,CD63,CXCL8,IL1B,TNF |
| SR 144528 | chemical reagent | 0.00592 | turquoise | CCR1,CXCL8,IL1B,IL1RN,TNF |
| biochanin A | chemical toxicant | 0.00592 | turquoise | ACP5,CD86,CXCL8,RUNX2,TNF |
| Fe2+ | chemical - endogenous mammalian | 0.00592 | turquoise | BMP6,GCLC,HMOX1,TFRC,TLR4 |
| FOXP3 | transcription regulator | 0.00595 | turquoise | ANXA1,DUSP4,DUSP6,EZH2,FGL2,ID2,IKZF2,IL7R,IRAK1,IRF4,MGAT1,NFIL3,NT5E,PDCD4,PRDM1,RRM2B,SATB1,TBX21,TNF,VEGFA |
| miR-21-5p (and other miRNAs w/seed AGCUUAU) | mature microRNA | 0.00596 | turquoise | CD69,FAM3C,FAS,GLCCI1,IL6R,IRAK1,LRRFIP1,MARCKS,PDCD4,SPRY1,TGFB2,TGFBR2,TIMP3,TNF |
| 2-deoxyglucose | chemical drug | 0.00596 | turquoise | ABCB1,BID,CFLAR,CRH,CSF1R,GPX1,HSP90B1,HSPA5,IL1B,IRF8,MCL1,PTGS2,TP63,TXNIP |
| delta-9-tetrahydrocannabinol | chemical drug | 0.00596 | turquoise | BCL2L2,BID,CD69,CEBPA,CFLAR,CNR1,COL4A3,CXCR4,DUSP6,ERG28,GRIA1,IL1B,TNF,TRIM38 |
| KLF6 | transcription regulator | 0.00614 | turquoise | ARG1,BAK1,CXCL2,CXCL8,IL1B,MCL1,MKI67,NR1D1,NR2F1,PRDM1,PTGS2,RARG,TNF,VAV3,VEGFA |
| calphostin C | chemical - kinase inhibitor | 0.00614 | turquoise | ABCB1,APOBEC3G,BIRC5,CD36,CXCL8,HSP90B1,HSPA5,LDLR,P4HB,PDIA4,PTGS2,RAP1B,S100A8,TNF,VEGFA |
| delta-12-prostaglandin J2 | chemical - endogenous mammalian | 0.00615 | turquoise | CCL3,CFLAR,TNF |
| Rsk | group | 0.00615 | turquoise | CEBPB,CXCL2,CXCL8 |
| ITPR | group | 0.00615 | turquoise | CYP1B1,IL1B,MAPK1 |
| LY75 | transmembrane receptor | 0.00615 | turquoise | CD80,CD86,FCER2 |
| TLR10 | transmembrane receptor | 0.00615 | turquoise | CXCL8,IL1B,TNF |
| HCAR1 | G-protein coupled receptor | 0.00615 | turquoise | BSG,SLC16A1,SLC16A3 |
| B3GNT2 | enzyme | 0.00615 | turquoise | CD14,IL1B,TNF |
| TRIL | other | 0.00615 | turquoise | CCL5,CXCL8,TNF |
| betulin | chemical - endogenous non-mammalian | 0.00615 | turquoise | PTGS2,TIMP1,TIMP2 |
| Tlr12 | other | 0.00615 | turquoise | CXCL8,IL1B,TNF |
| ALDH3A2 | enzyme | 0.00615 | turquoise | GCLC,HMOX1,SOD1 |
| MUC2 | other | 0.00615 | turquoise | IL1B,PTGS2,TNF |
| crocin | chemical drug | 0.00615 | turquoise | HSPA5,TNF,XBP1 |
| SWAP70 | other | 0.00615 | turquoise | CD86,IRF4,ITGAM |
| WFS1 | enzyme | 0.00615 | turquoise | ERO1A,HSPA5,XBP1 |
| CD163 | transmembrane receptor | 0.00615 | turquoise | HMOX1,IL1B,TNF |
| AP2A1 | transporter | 0.00615 | turquoise | CEBPA,MT2A,TALDO1 |
| ITGAX | transmembrane receptor | 0.00615 | turquoise | CCL3,CXCL8,IL1B |
| LY86 | other | 0.00615 | turquoise | CD14,CD80,CD86 |
| SKLB023 | chemical reagent | 0.00615 | turquoise | IL1B,PTGS2,TNF |
| PELI2 | kinase | 0.00615 | turquoise | CXCL2,CXCL8,TNF |
| CDC20 | other | 0.00615 | turquoise | CDK4,CFLAR,UBE2C |
| IGKC | other | 0.00615 | turquoise | IL13RA1,IL4R,VDR |
| CAY10397 | chemical reagent | 0.00615 | turquoise | IL1B,PTGS2,TNF |
| (+)-epicatechin | chemical drug | 0.00615 | turquoise | IL1B,PTGS2,TNF |
| BO-653 | chemical drug | 0.00615 | turquoise | PSMA1,PSMA2,PSMA3 |
| ascomycin | chemical reagent | 0.00615 | turquoise | CD80,CD86,CXCL8 |
| dimaprit | chemical drug | 0.00615 | turquoise | CD80,LDLR,TNF |
| 1-chloro-2,4-dinitrobenzene | chemical drug | 0.00615 | turquoise | HMOX1,IL1B,TNF |
| erucic acid | chemical - endogenous non-mammalian | 0.00615 | turquoise | ALOX5,IL1B,TNF |
| rubitecan | chemical drug | 0.00615 | turquoise | CFLAR,FAS,PEBP1 |
| 6-hydroxydopamine | chemical toxicant | 0.00618 | turquoise | BCL2L2,BNIP3L,CCL5,CNR1,CRH,HSP90AB1,HSPA5,HSPA8,HSPA9,IL1B,MAPK1,MDM2,P4HB,PPIB,PSMB2,SERP1,TIMP2,VCP |
| panobinostat | chemical drug | 0.00621 | turquoise | BIRC5,CCND2,CEBPD,CITED2,FLNA,MCL1,PTGS2,SLC9A3R1,TP63,VIM |
| thalidomide | chemical drug | 0.00621 | turquoise | BIRC3,CAV1,CD80,CFLAR,CXCL8,IL1B,ITGAM,PLAUR,TNF,VEGFA |
| EPAS1 | transcription regulator | 0.00623 | turquoise | ACP5,ARG1,BIRC3,CAV1,CEBPB,CITED2,CNKSR2,CXCL2,CXCR4,CXorf40A/CXorf40B,CYP51A1,DMXL1,DTX1,DUSP7,ENO1,FLT1,FMO5,GPX1,HSPA5,IRS2,ITGAV,ITPR1,LDHA,LDLR,MANF,MIF,NAMPT,NEAT1,NEK8,NFIL3,PFKFB3,PIK3CA,PLIN2,RASSF1,SOD1,VEGFA |
| GW3965 | chemical reagent | 0.00623 | turquoise | ABCG1,ABHD5,CAV1,CCL5,CD80,CD86,CXCL8,HCAR3,IL1B,IL1RN,LDLR,NR1D1,PLIN2,PTGS2,TNF,VEGFA |
| R5020 | chemical reagent | 0.00624 | turquoise | BIRC3,CEBPA,CEBPB,DUSP4,FAM89B,FKBP5,HBEGF,IER3,IRS2,MT1X,MT2A,NAGA,RARG,STAT5B,TIMP2,TXNIP,ZBTB16 |
| CD24 | other | 0.0063 | turquoise | APOBEC3B,ASPM,BIK,CAV1,CXCL8,FRYL,HMMR,HOMER3,JMJD1C,LPP,NCOA3,NRIP1,PHF10,PLCB1,RANBP2,SLC30A1,SMC4,SYNE2,TOP2A,TRIM8,TTC3,VDR |
| BCL11B | transcription regulator | 0.00635 | turquoise | CCL3,CXCL8,GRIA1,ID2,IL4R,IL7R,MDM2,PLXND1,SPRY1,TBX21,TNF,ZBTB16 |
| wortmannin | chemical - kinase inhibitor | 0.00636 | turquoise | AQP3,ARRB1,BIRC5,CCL5,CCND2,CD14,CD36,CEBPD,CFLAR,CXCL8,E2F2,ESR1,GCLC,HMOX1,IDE,IL1B,IRF8,IRS2,ITGAM,MCL1,MT2A,MYH11,NT5E,PTGS2,PXN,SAMSN1,SOCS2,TFRC,TNF,TPI1,TYMP,VEGFA,VIM |
| gefitinib | chemical drug | 0.00637 | turquoise | ALDH1A1,AURKA,BIRC5,CDC6,CEBPB,CEBPD,CFLAR,CHEK1,CTSA,CXCL8,DUSP4,ECT2,ETV4,FLT1,HMOX1,HSP90B1,IL7,KIF11,MKI67,MMP11,PLAUR,PTGS2,PTTG1,S100A9,TIMP2,TIMP3,TLR2,TOP2A,VEGFA,VIM |
| SIN3B | transcription regulator | 0.00638 | turquoise | CDK4,FBXO32,KLF10,LDHA,RRM2,TXNIP,TYMS |
| EDN1 | cytokine | 0.00651 | turquoise | ANXA1,ANXA5,CST3,CTNND1,CXCL8,CXCR4,ENAH,HBEGF,HSPA5,HSPA8,ITGAM,ITGAV,ITGB1,MARCKSL1,MPRIP,MYL6,NFATC3,PDIA6,PLAUR,PRKCB,PRKCD,PRKCE,PTGS2,PXN,SLC8A1,SOD1,TIMP1,TIMP3,TTN,VCAN,VCL,VEGFA,VIM,YWHAE |
| 5-N-ethylcarboxamido adenosine | chemical reagent | 0.00653 | turquoise | ARG1,BAG3,CEBPD,CIITA,CSF2RB,CXCL8,DAD1,FZD1,GADD45A,GCLC,HMOX1,IL1B,MMP11,NFIL3,NT5E,SRXN1,TNF,TXNIP,VCAN,VDR,VEGFA |
| ADORA2B | G-protein coupled receptor | 0.00655 | turquoise | ARG1,CD86,CXCL2,CXCL8,IL1B,RUNX2,TIMP1,TNF,VEGFA |
| MTA3 | enzyme | 0.00666 | turquoise | AURKAIP1,CCL3,CD19,CIITA,MDM2,NCOA3,PRDM1,XBP1 |
| COMMD1 | transporter | 0.00666 | turquoise | ALDOA,BIRC3,LDHA,LGALS2,PFKFB3,PGK1,TFRC,VEGFA |
| Tcf7 | transcription regulator | 0.00666 | turquoise | BCL11B,CD4,GATA3,IL7R,PRDM1,TBX21,TCL1A,TNF |
| lactic acid | chemical - endogenous mammalian | 0.00666 | turquoise | BSG,CXCL8,IL1B,LY96,PRF1,SLC16A1,SLC16A3,TXN |
| Mapk | group | 0.00674 | turquoise | ABCB1,ADA,CEBPB,CFLAR,CXCL8,ESR1,FURIN,GZMB,HMOX1,IL1B,ITGB7,NR3C1,PRF1,PTGS2,RUNX2,S100A8,SOD1,TNF,TUBB3,VEGFA |
| FGF10 | growth factor | 0.00676 | turquoise | AHNAK,ANXA1,ANXA2,BMPR1A,CEBPB,CYP1B1,CYP51A1,LDLR,LRPAP1,PERP,PTGS2,S100A6,TIMP3 |
| ritonavir | chemical drug | 0.00686 | turquoise | ABCB1,ABHD2,ALAS1,BIRC5,C12orf42,CARS,CCND2,CD36,CD59,CDCA7L,CFL1,CXCL8,ECT2,GRK3,HMGB3,HMMR,IDI1,IL1B,LDLR,MT1G,MYB,NCAPH,RACGAP1,RGS10,TNF,VEGFA,WNT7B |
| UCP1 | transporter | 0.00698 | turquoise | ADGRE1,ALAS1,ASB2,ATF5,CAPN3,CCDC6,ERN1,FBXO32,GADD45A,GSTM1,GSTO1,HMBOX1,IL1B,ITPR1,MTHFD1,MTHFD2,NDUFB8,NUDT19,PGD,PHGDH,PSAT1,SDHB,SLC3A2,SMOX,SMS,SND1,SRM,TNF,TXN2,UQCRC1 |
| TLR4 | transmembrane receptor | 0.00703 | turquoise | APOBEC3B,BBX,CCL3,CCL5,CCND2,CD14,CD163,CD200,CD38,CD70,CD80,CD86,CEBPD,CERS5,CERS6,CFLAR,CITED2,CXCL2,CXCL8,FAS,FBXO32,FCGR2B,FGL2,HBEGF,HMOX1,HSPA5,IDH2,IL15RA,IL18BP,IL1B,IL2RB,IRF8,IRGM,ITGAM,MCOLN2,MIF,PLA1A,PLEK,PRDM1,PTGS2,REL,RXRA,SH3BP5,SLCO3A1,SMPDL3A,TFRC,TLR2,TLR4,TNF,TNFRSF13B,TREM1,TRIM38,XBP1 |
| CBL | transcription regulator | 0.00703 | turquoise | CFLAR,CSF2RB,CXCL2,EPHA4,GBA,IL1B,LAT,LYN,PXN,RUNX2,TNF |
| 2-amino-1-methyl-6-phenylimidazo-4-5-b-pyridine | chemical toxicant | 0.00703 | turquoise | BTN1A1,CCT8,CDK4,HSPA5,HSPA8,HSPE1,PSMA2,PSMA6,PSMB2,RAB11A,RAP1B |
| Ro31-8220 | chemical - kinase inhibitor | 0.00703 | turquoise | CD55,CXCL8,DUSP4,HMOX1,IL1B,ITGB1,LAT,MDM2,PDCD4,PTGS2,ST6GAL1 |
| TNFSF12 | cytokine | 0.00706 | turquoise | BCL2L2,CCL3,CCL5,CCR1,CLEC4D,CXCL2,CXCL8,CXCR5,FBXO32,IL1B,ITGAM,MAP3K14,MEF2C,S100A8,S100A9,SDHA,TIMP1,TNF |
| plicamycin | chemical drug | 0.00706 | turquoise | AHR,B4GALT5,BAK1,BNIP3L,CAMKK2,EPS8,FBXW7,HMOX1,IER5,IGFBP4,MDM2,MIF,NAPA,PLAUR,PRDM1,PRKCD,TESC,TGFBR2,TIMP1,TYMP,VDR,XYLT1 |
| TGFA | growth factor | 0.00716 | turquoise | BIRC3,BIRC5,CCL5,CEBPB,CXCL2,CXCL8,DDX5,ESR1,FOSL2,IGFBP4,ITGAM,PTGS2,PTTG1,S100A10,SERPINA1,VEGFA,VIM |
| PAX7 | transcription regulator | 0.00716 | turquoise | AHR,ATP11A,CAMK1D,CXCR4,DHX40,ID2,IL13RA1,LIX1,LRPAP1,MDFIC,MYO1D,PARM1,RNH1,SLC44A1,SYNE2 |
| TBX2 | transcription regulator | 0.00716 | turquoise | ANLN,ATF5,AURKA,CCNA2,CDC6,CDCA3,CDCA5,CDKN2C,CDT1,CHEK1,E2F7,ELK3,EZH2,MCM4,MCM6,NFIL3,TGFB2 |
| thapsigargin | chemical toxicant | 0.00719 | turquoise | ABCB1,BIRC3,C5AR1,CAPN5,CAV1,CD80,CD86,CEBPB,COX5B,CXCL2,CXCL8,EIF1,ERN1,EVI2A,GADD45A,HMOX1,HSP90B1,HSPA5,HSPA9,IL1B,LMAN2,MCL1,MEF2C,NFIL3,PAWR,PLA2G6,SRI,TLR2,TNF,VCL,XBP1 |
| MAP4K4 | kinase | 0.00756 | turquoise | ACAA2,AGPAT3,ALG14,ATP6V0E1,CBLB,CEBPA,CEBPB,CHPT1,GLUL,IMPDH1,LDHB,MAFB,MGLL,NDUFA11,NDUFAB1,NDUFB7,NDUFS4,PGAM1,PGM1,PLA2G6,PMM1,SUCLG1,UQCRC1 |
| hyaluronic acid | chemical - endogenous mammalian | 0.0076 | turquoise | ABCB1,BIRC5,CCL5,CD80,CD86,CSF1R,CXCL2,CXCL8,CXCR4,HMMR,IL1B,LY96,PDCD4,PTGS2,TGFB2,TIMP1,TIMP2,TLR2,TLR4,TNF |
| PDGF BB | complex | 0.00762 | turquoise | ADARB1,BMP6,CALM1 (includes others),CBX4,CDK4,CEBPB,CEBPD,CSF1R,CXCL2,CXCL8,DBNDD1,DUSP6,EIF4G1,ETS2,FLNA,FLT1,FXYD5,FZD1,GADD45A,GLUL,HBEGF,HMOX1,HOMER2,IER3,IGFBP4,IL1B,ITGB1,KLF10,KLHL21,LDLR,LGALS3,MCL1,MCM6,MGST1,MGST2,MYH11,NAMPT,NDUFB8,NFIL3,OSBPL2,PAWR,PTGS2,RPL13,RPN2,SAT1,SLC25A11,TIMP1,TRIB1,VCAN,VEGFA |
| 3-nitropropionic acid | chemical toxicant | 0.00762 | turquoise | ATP1B1,ATP5PF,ATP6V0E1,CNR1,COX6B1,GAPDH,GCLC,GPI,GYG1,LDHA,LDHB,TPI1 |
| carboplatin | chemical drug | 0.00762 | turquoise | ABCB1,FCGR2A,FXYD5,IER3,LGALS3,PLA1A,PNKD,TGIF1,TIMP1,TUBB,UPP1,VIM |
| RUNX1 | transcription regulator | 0.00764 | turquoise | ANXA2,CD4,CD72,CEBPA,CSF1R,CSF2RB,CST7,CYB561,FAS,GATA3,ID2,IL1B,IL6R,IL7R,ITGAL,ITGAV,ITGB1,LCP2,MIR17HG,NFIL3,PLXND1,PRKCB,RUNX2,S100A9,SGPP1,TIMP1,UPP1,VEGFA,ZBTB16,ZCCHC18 |
| deferoxamine | chemical drug | 0.00769 | turquoise | AK3,ALDOA,ANXA2,ARNT,CCND2,CD14,CD300A,CD59,CFLAR,CITED2,CXCL8,ENO1,FLT1,GADD45A,HMOX1,IGFBP4,IL32,ITGAM,ITGB7,LDHA,MDM2,MS4A6A,NFATC4,NFIL3,PFKFB3,PGK1,PIP5K1B,PKM,PLAUR,TFRC,TGFB2,TREML2,VDR,VEGFA |
| IL4R | transmembrane receptor | 0.0077 | turquoise | ACSL1,ARG1,CD14,FAS,FCER1G,FCER2,GATA3,IGHE,IL1B,RUNX2 |
| zVAD-FMK | chemical - protease inhibitor | 0.0077 | turquoise | ANXA5,BIRC3,BIRC5,CAMK4,CD80,CDK4,GATA3,IL1B,MCL1,MDM2 |
| epothilone B | chemical drug | 0.00785 | turquoise | BUB3,FAS,MCL1,MDM2,MKI67,TOP2A |
| TFEC | transcription regulator | 0.00785 | turquoise | BBX,BCL11A,CSF3R,LGALS2,PSMA6,S100A9 |
| LCP2 | other | 0.00785 | turquoise | CD69,FYB1,ITGAM,MAPK1,TNF,ZBTB16 |
| PPP1R15A | other | 0.00785 | turquoise | CEBPA,CEBPB,GADD45A,HSPA5,TNF,XBP1 |
| Go6983 | chemical - kinase inhibitor | 0.00785 | turquoise | CD36,FLT1,PRDX1,PRKCD,PRKCE,PTGS2 |
| curdlan | chemical - endogenous non-mammalian | 0.00785 | turquoise | CD69,CXCL8,IL1B,IL2RB,STAT5B,TNF |
| tetrachlorodibenzodioxin | chemical toxicant | 0.00789 | turquoise | ABCB1,ACTN1,AHR,AQP3,ARNT,BACH2,BCAT1,BTG1,CAMK2N1,CCL5,CCNA2,CD36,CD86,CEBPB,COL18A1,CXCL8,CYP1B1,DMXL2,EIF4EBP2,ESR1,ETS2,FAS,FGF9,HDAC9,HMOX1,HSPA8,IGHM,IL1B,INPP5A,ITGAL,ITGAX,ITGB7,KIF1B,MANF,MYB,MYH11,NR3C1,PAX5,PERP,PMM1,PRDM1,PTGS2,S100A4,S100A8,S100A9,SLCO3A1,SOCS2,SOD1,STEAP4,TGFB2,TGFBR2,TNF,TXN,VEGFA |
| MECP2 | transcription regulator | 0.0079 | turquoise | ABCB1,ANXA1,CRH,DPYSL2,ESR1,EZH2,FKBP5,GRIA1,GSTO1,HSPA5,IGHM,IRAK1,MT1G,PLA2G16,PTGS2,RASSF1,S100A4,SPN,SYN3,UQCRC1,VEGFA,VIM |
| EIF4E | translation regulator | 0.00798 | turquoise | ATOX1,BAK1,BIK,BIRC5,CAPZB,CD70,CDK4,CDT1,CEBPA,CEBPB,HMOX1,HMOX2,IGFBP4,IL15RA,MCL1,NCK2,NOP10,PA2G4,PLAUR,POP7,PRDX5,PTGES3,SRXN1,SVIL,UBE2C,UPP1 |
| CYR61 | other | 0.00804 | turquoise | CCND2,CXCL2,CXCL8,ESR1,FCER1G,IL1B,ITGAV,ITGB1,MCL1,MIF,PTGS2,RBL2,TIMP1,TIMP2,TLR4,TNF,VEGFA,WNT7B |
| GW9662 | chemical reagent | 0.00804 | turquoise | CAV1,CD14,CD1A,CD36,CD86,CEBPA,ESR2,FADS3,FFAR1,HSPA5,IRS2,MID1IP1,NR1D1,PLIN2,PTGS2,RORA,TNF,YWHAE |
| PRKAG3 | other | 0.00811 | turquoise | ACVR1,ALAS1,ATP1B1,ATP6V1A,C16orf70,CD36,CD55,CD93,EID1,EIF4B,ELL2,GLRX,HSPA5,IFI30,JPT1,MAP4,MID1IP1,MMD,NAMPT,NAP1L1,NR3C1,NRIP1,PAM,PDE7A,RHOU,SELENOS,SH3KBP1,SMS,TFRC |
| uric acid | chemical - endogenous mammalian | 0.0082 | turquoise | ANXA1,CCL3,CCL5,CD80,CD86,CXCL2,CXCL8,HMOX1,IL1B,ITGAV,MDM2,PTGS2,PTTG1,TNF,TREM1,TYMS,UBE2N |
| mir-15 | microRNA | 0.00822 | turquoise | BCL2L2,BIRC5,CCL5,CCND2,CD69,CHEK1,IL1B,MCL1,MYB,PLAUR,PTGS2,TIMP1,TNF,WEE1 |
| seocalcitol | chemical drug | 0.00822 | turquoise | ACTR3,BAK1,BIRC5,GADD45A,LGALS2,MCL1,NINJ1,PAPOLA,PDLIM7,PTGS2,SLC9A3R1,SSPN,VDR,VEGFA |
| GH1 | growth factor | 0.00823 | turquoise | ACVR1,CD19,CEBPA,CEBPB,CEBPD,CUX1,CXCR4,DBI,GADD45A,ID2,IL4R,LDLR,MGST1,MYB,PRDX1,SATB1,SOCS2,SOD1,TKT,VIM,XRCC6 |
| IL17RA | transmembrane receptor | 0.00827 | turquoise | CCR1,CSF3R,CXCL2,CXCL8,IL1B,S100A8,S100A9,TIMP1,TNF |
| dinoprost | chemical - endogenous mammalian | 0.00829 | turquoise | ATP1A1,CCND2,CD36,ESR1,FOSL2,GSTM1,ID2,IL1B,MGST1,NFIL3,PDIA4,PTGS2,RUNX2,TIMP3,VEGFA,YWHAE |
| sulindac sulfide | chemical drug | 0.00829 | turquoise | AGTPBP1,ARPC1B,CEBPB,CYP1B1,DYNLL1,GADD45A,LDHA,MTHFD2,NUP133,PGAM1,PTGS2,RERE,RRM2B,TUBA4A,XRCC6,YWHAE |
| histamine | chemical - endogenous mammalian | 0.00829 | turquoise | BIRC5,CCL3,CCL5,CD80,CD86,CRH,CXCL2,CXCL8,CXCR4,HBEGF,IL16,IL1B,LDLR,PTGS2,SEMA3A,TNF |
| PTPN11 | phosphatase | 0.00831 | turquoise | BSG,CD14,CEBPA,CSF1R,CSF3R,CXCL8,GAB1,MCL1,MDM2,MEF2C,PERP,PLAUR,TNF,TP53I11,TP63 |
| miR-1-3p (and other miRNAs w/seed GGAAUGU) | mature microRNA | 0.00834 | turquoise | ADPGK,AGMAT,ANKIB1,ANXA2,AP3B1,AP3D1,ARF4,ARHGEF18,ATP6V0A1,CNN3,CSRP1,CTSC,DDX5,EML4,ESR1,FAM81A,HIST1H3B,LASP1,MMD,MTHFD2,NETO2,PDCD4,PDLIM7,PICALM,PPIB,RBM47,SERP1,SHTN1,SLC44A1,SRXN1,TAGLN2,TIMP3,UHRF1,UTRN |
| SMARCB1 | transcription regulator | 0.00835 | turquoise | ABCB1,ACSL1,ATP1B1,AURKA,BAG3,BNIP3L,BTG1,CCNA2,CDC6,CDKN2C,CDT1,COL18A1,CXCR4,DAPK1,ETS2,FAS,FCGR2A,GADD45A,GMNN,HBEGF,IFNAR2,IL15RA,KIF11,MCM4,MDM2,PLXNB2,SMARCB1,SMC4,TBX21,TFDP1 |
| trans-hydroxytamoxifen | chemical drug | 0.00841 | turquoise | BAK1,BIK,CALCR,CBX6,CYP1B1,DUSP4,FMO5,GCLC,GNS,IER3,IFI30,IGFBP4,KYNU,LITAF,MMD,MYO1B,RAB30,RAB31,SLC39A6,SMAD3,TGFB2,TMEM131L,TOP2A |
| INSIG1 | other | 0.00855 | turquoise | ABCG1,CCL5,CLEC4D,CLEC7A,CXCL2,CXCR4,CYP51A1,FABP5,IDI1,IRF8,IRS2,LDLR,PLIN2,PMVK,PRF1,S100A8,S100A9,SELPLG,STARD4,STAT4 |
| RAF1 | kinase | 0.00857 | turquoise | ANXA1,BTG1,CD74,CDC6,CSTA,CXCR5,DUSP4,DUSP6,ESR1,FAS,HBEGF,HMGB3,IER3,IL1B,ITGAM,ITGB1,KIAA0391,LDHA,MGAT5,MGLL,MKI67,NINJ1,PLAUR,PRDM1,PTGS2,RFFL,RRM2,SH2D1A,SLC16A7,TIAM1,TIMP1,TNF,TUBA4A,TUBG1,TXNIP,VEGFA |
| ALDH2 | enzyme | 0.0086 | turquoise | ATF5,GCLC,MTHFD2,PHGDH,PSAT1,SLC1A4,SLC3A2 |
| fucoidin | chemical reagent | 0.0086 | turquoise | BAK1,CCL5,CXCL8,IL1B,MCL1,TNF,XBP1 |
| CARD9 | other | 0.00864 | turquoise | C5AR1,CCL5,CCR1,CLEC7A,CXCL2,IL1B,TLR2,TNF |
| NAMPT | cytokine | 0.00864 | turquoise | CXCL2,CXCL8,IL16,NAMPT,PEG10,SOCS2,TGFB2,TNF |
| ECSIT | transcription regulator | 0.00864 | turquoise | CFLAR,CXCL8,HMOX1,IER3,IL1B,IL1RN,PLAUR,PTGS2 |
| APOE | transporter | 0.0087 | turquoise | ACSL1,ADGRE1,ANK3,C5AR1,CAPNS1,CAV1,CCL5,CCND2,CD36,CD80,CD86,COL18A1,CSRP1,ESR1,FCGR2B,FKBP5,GATA3,GLUL,GRIA1,HMMR,HMOX1,HSP90AB1,HSP90B1,HSPA5,IL1B,IL1RN,ITGAM,ITGAX,LDLR,LRP8,MYO1B,P4HB,PCDH9,PMEPA1,PPARGC1B,PPFIBP2,PRKCB,PTGS2,S100A8,S100A9,SOD1,STAT4,TIAM1,TIMP1,TNF,TXNIP,VCP,XBP1,ZYX |
| 4-hydroxytamoxifen | chemical drug | 0.00874 | turquoise | ABCB1,AQP3,CAPNS1,CD55,CDCA7,CEBPA,CEBPB,CEBPD,CYP1B1,DUSP4,DYNLL1,ESR1,FOSL2,FOXO1,GLRX,HDGF,IER3,IL7R,MKI67,MT1G,MT1X,MT2A,NCOA3,PDCD5,POLD4,PTTG1,RPS6KA4,S100A9,SLC25A4,THRB,TNF,VDR |
| estrogen | chemical drug | 0.00886 | turquoise | ABI2,AP3D1,APOA2,ATP5PF,AURKA,COL18A1,CRH,ESR1,ESR2,FAS,FLT1,GRIA1,HBEGF,IGFBP4,IL1B,ITGB1,LDLR,LGALS1,MCM4,MDM2,MYB,NAMPT,NCOA3,NFIL3,NRIP1,PRDM15,PSMA2,PTAFR,PTGS2,PTTG1,RAB11A,RRM2,SMAD3,SOD1,SRM,TBX21,TGFB2,TNF,TOP2A,TYMS,UHRF1,VDR,VEGFA,XBP1 |
| Vegf | group | 0.00904 | turquoise | ABCB1,AHR,AKAP13,ARHGAP18,ARNTL,AURKA,BIRC5,BTN1A1,BUB1B,CALM1 (includes others),CD93,CDC6,CDKN2C,CFLAR,COL4A3,CXCL8,CXCR4,DUSP4,DUSP6,EPHA4,FAM198B,FAS,FKBP5,FLNA,FLT1,GAB1,GMNN,HBEGF,HID1,HMMR,HMOX1,IGFBP4,IL15RA,IL5RA,ITGB1,ITPR1,KIF11,KIF2C,LDLR,LRP8,LYN,MCL1,MEF2C,MGST2,MIF,MIR17HG,MKI67,MT1G,NAMPT,NDC80,NEK3,NOTCH4,NPL,NRCAM,OVOS2,P2RY14,PABPN1,PDE7B,PLAUR,PRKCB,PTGS2,PTK2,SOCS2,TGFBR2,TIMP1,TNF,TNFRSF10C,TPX2,TRAF5,TRIB1,TSHZ1,UBE2C,VAV3,VEGFA,VIM |
| 5-O-mycolyl-beta-araf-(1->2)-5-O-mycolyl-alpha-araf-(1->1')-glycerol | chemical - endogenous non-mammalian | 0.00912 | turquoise | ACSL1,AQP9,CX3CR1,CXCL2,CXCL8,GPAT3,HBEGF,IER3,IL1B,KYNU,MGLL,NAMPT,NT5E,PCSK5,PTGS2,SLAMF7,STAT4,TNF |
| IgG2a | complex | 0.00917 | turquoise | CXCL8,HMOX1,IL1B,PRDM1,TNF |
| TRAF5 | transporter | 0.00917 | turquoise | CD80,CD86,FAS,FCER2,TNF |
| 2'3'-cyclic guanosine monophosphate-adenosine monophosphate | chemical - endogenous mammalian | 0.00917 | turquoise | AIM2,CD86,IL1B,NLRP3,TNF |
| cytochalasin B | chemical toxicant | 0.00917 | turquoise | BIRC5,CD63,PTTG1,SELPLG,TNF |
| erythromycin | chemical drug | 0.00917 | turquoise | CD86,CXCL8,IL1B,TLR2,TNF |
| thermozymocidin | chemical reagent | 0.00917 | turquoise | ADGRE1,CD86,IL1B,NLRP3,PYCARD |
| lauric acid | chemical - endogenous mammalian | 0.00917 | turquoise | CD80,CD86,CXCL8,PTGS2,TNF |
| auranofin | chemical drug | 0.00917 | turquoise | CXCL8,GCLC,HMOX1,PTGS2,TNF |
| MAP3K8 | kinase | 0.0093 | turquoise | ARG1,BIRC3,CCR1,CD70,CEBPD,CIITA,CXCL2,CXCL8,DUSP6,FLNB,GAB1,GFI1,GPR160,IER3,IER5,IL1B,IRGM,PPARGC1B,PTGS2,RHOF,ST3GAL3,STAT4,TBX21,TNF,TXNIP |
| H89 | chemical - kinase inhibitor | 0.0093 | turquoise | BAK1,CAMKK2,CCL3,CCL5,CD14,CD55,CD80,CEBPB,CREBBP,CRH,CXCL8,EZH2,HMOX1,IL1B,MKI67,NFIL3,POU2AF1,PTGS2,S100A8,SIGMAR1,SMAD3,TNF,TREM1,TXN,VEGFA |
| PLA2G10 | enzyme | 0.00935 | turquoise | ARG1,CD36,CD8A,DYNLL1,ETS2,FAS,GATA3,IL1B,KPNA2,MKI67,NABP1,PTGS2,SLA2,SRM,TNF,VEGFA,ZCCHC7 |
| BCL2L1 | other | 0.00942 | turquoise | BAK1,CD19,CDC6,CFLAR,CXCL8,FAS,IL1B,ITPR1,MCL1,SPN,TIMP1,TNF,TUBB3 |
| SQ 22536 | chemical reagent | 0.00944 | turquoise | PTGS2,TNF,TXN,VEGFA |
| SLAMF1 | transmembrane receptor | 0.00944 | turquoise | CXCL8,SH2D1A,TBX21,TNF |
| FCER2 | transmembrane receptor | 0.00944 | turquoise | CCL3,CXCL8,IGHE,TNF |
| CD180 | other | 0.00944 | turquoise | CD80,CD86,IRF4,TNF |
| TNFSF8 | cytokine | 0.00944 | turquoise | IGHG3,PRDM1,SWAP70,XRCC6 |
| DIABLO | other | 0.00944 | turquoise | BIRC3,BIRC5,CFLAR,MKI67 |
| DEK | transcription regulator | 0.00944 | turquoise | BIRC3,CSF3R,CXCL8,MCL1 |
| domoic acid | chemical toxicant | 0.00944 | turquoise | CEBPB,IL1B,PTGS2,TNF |
| N-chlorotaurine | chemical - kinase inhibitor | 0.00944 | turquoise | HMOX1,PRDX1,TNF,TXN |
| nitrofen | chemical toxicant | 0.00945 | turquoise | AGTRAP,ENO1,HYOU1,PLD3,RTN4,TGFBR2,TGFBR3,TIMP2,TIMP3,VEGFA |
| PLAUR | transmembrane receptor | 0.00945 | turquoise | ANG,C5AR1,CCL5,CDK4,ITGAM,ITGAV,ITGB1,PLAUR,TNF,VIM |
| GABPA | transcription regulator | 0.00945 | turquoise | AURKA,DCLRE1C,FAS,FCAR,HMOX1,IL16,IL7R,TSHR,UTRN,XRCC6 |
| PP2/AG1879 tyrosine kinase inhibitor | chemical - kinase inhibitor | 0.00951 | turquoise | BIRC3,CD38,CXCL8,DSP,GRIA1,HMOX1,IL1B,IL32,ITGAM,LYN,PRDX3,PTGS2,PTTG1,RRM2,VEGFA,VIM |
| CBFB | transcription regulator | 0.00951 | turquoise | CD4,CEBPA,COCH,CSF1R,IGLL1/IGLL5,IKZF2,IL2RB,ITGAL,LGMN,RUNX2,RUNX3,SOCS2,STAT4,TBX21,TGFBR2,TGFBR3 |
| isotretinoin | biologic drug | 0.00951 | turquoise | ABCG1,CD19,CD38,CXCL8,CYP1B1,GATA3,PSMB10,PTGS2,RARG,RARRES3,RUNX3,S100A9,SPN,TFRC,TLR2,TNFAIP2 |
| 12-(3-adamantan-1-yl-ureido) dodecanoic acid | chemical reagent | 0.00957 | turquoise | BCL2L2,BID,BIK,BIRC3,BIRC5,CFLAR,DAD1,FAS,MCL1,PYCARD,TNF,TNFRSF1B,TP63,TRADD |
| RETNLB | other | 0.0096 | turquoise | CCL5,CCR1,CD86,E2F7,FZD1,IL13RA1,IL1B,IL4R,IRS2,LMNB1,PLA1A,SOCS2,TIMP1,TLR2,UBE2C |
| mir-155 | microRNA | 0.0096 | turquoise | ANXA2,CCL5,CD69,CEBPB,CXCL8,DHX40,FCER2,HMOX1,IL13RA1,IL1B,IL7,IRF4,IRF8,JARID2,MYB,PDCD4,PTGS2,RORA,TNF,WEE1 |
| VIP | other | 0.00997 | turquoise | CCL5,CD80,CD86,CEBPB,CEBPD,CREBBP,CXCL2,CXCL8,GATA3,IL1B,IRAK1,IRAK2,LGALS1,LYZ,PRF1,PTGS2,TLR4,TNF,VIM |
| DICER1 | enzyme | 0.0101 | turquoise | AGO2,APOBEC3G,ARID3A,ARID3B,CAMK2D,CCND2,CD226,CD86,COL18A1,CPEB2,CRH,CRYM,CXCL8,CXCR4,FCGR2A,GREB1L,GZMB,IL1B,IL7R,IRF8,ITGAV,ITGAX,ITGB1,MT2A,PBX3,PDCD4,PELI2,PRF1,PRKCD,RASGRP1,RTN1,SERPINA1,SPN,TNF,VIM,ZC3HAV1L,ZNF550 |
| HDAC1 | transcription regulator | 0.0102 | turquoise | ABCB1,CCL5,CCNA2,CCND2,CD27,CD4,CDC6,CDT1,CEBPA,COL9A1,CSF1R,CXCL8,DCLRE1C,E2F2,ESR1,FAS,FLT1,GLUL,GNAS,LAT,MDM2,MEF2C,MT1G,MYO1F,PCYT1A,PFKFB3,PTGS2,RGS10,RRM2,RRM2B,RUNX2,S100A9,SATB1,SLC8A1,TGFBR2,TNF,TOP2A,TUBB3,TYMS,UHRF1,VDR |
| SCARB1 | transporter | 0.0103 | turquoise | ABCG1,CCL5,CXCL2,FBXO32,FOXO1,IL1B,IL1RN,LDLR,NLRP3,PTGS2,TNF |
| CSF1R | kinase | 0.0103 | turquoise | ARG1,CCND2,CD163,CSF1R,GAB3,HMOX1,IDE,IL4R,MYB |
| AHR | ligand-dependent nuclear receptor | 0.0103 | turquoise | ABCC4,ACTN1,ADGRE1,AFMID,ARNT,CAMK2N1,CCL5,CCNA2,CD14,CD36,CD38,CDK4,CDKN2C,CEBPA,COX8A,CYP1B1,DMXL2,DUSP6,EHD1,EMILIN2,ENO1,EPB41L5,ESR1,FAS,FGF9,GADD45A,HDAC9,HSPA5,IGHM,IL1B,IL9R,ITGAM,LDHA,MT2A,PMM1,PTGS2,SEMA3A,SLC1A4,SLC22A7,SOD1,STEAP4,TGFB2,TGFBI,TGFBR2,TIMP2,TIMP3,TNF,TXN,VCL,VEGFA,VIM |
| FOSB | transcription regulator | 0.0103 | turquoise | CDK5,CEBPA,CEBPB,CRH,FOLR2,MT2A,RUNX2,SMAD3,TIMP1 |
| paraquat | chemical toxicant | 0.0103 | turquoise | ADGRE1,BAK1,BID,CEBPD,CFLAR,CXCL8,DIP2B,FAS,GCLC,GPX1,HMOX1,ITGAM,KIF1B,PTGS2,SLC8A1,SOD1,STRBP,TIMP1,TXN,VEGFA,ZBTB44 |
| ZFP36 | transcription regulator | 0.0106 | turquoise | BIRC3,CD36,CDC6,CLMP,CXCL2,IER3,IL1B,KIF11,PLAUR,PRDM1,PTGS2,S100A8,S100A9,TFRC,TLR4,TNF,TOP2A |
| SIM1 | transcription regulator | 0.0106 | turquoise | ABCG1,ANG,CCR1,CD86,COPZ2,CPXM2,CRH,CXCR5,ELL2,FCGR2A,FNBP1,GLUL,GZMH,ICMT,IGFBP4,IL6R,LRRFIP1,MDM4,NACA,NAP1L4,NDUFA1,OAZ1,PLCB1,POLD4,RBL2,RGS10,SERPINA5,SMAD3,SYT7,TCL1A,THRB,TNF,TYROBP,WNT7B |
| ELAVL1 | other | 0.0107 | turquoise | CALM1 (includes others),CDC6,EIF4G1,FLNA,GATA3,HMOX1,HOMER2,KIF11,NCAPG,NDUFB8,OSBPL2,PTGS2,RPL13,RPN2,SAT1,SLC25A11,TOP2A,TP63,VEGFA,WEE1 |
| LGALS1 | other | 0.0108 | turquoise | AHR,ANG,CCND2,CD69,CXCL2,HBEGF,IGHM,IL1B,LAT,LGALS1,LGALS3,TNF |
| LMNB1 | other | 0.0108 | turquoise | ACTN4,ATP5F1B,CRIP1,CYP51A1,HBEGF,LDLR,MGST1,PLIN2,POLM,REEP5,TGFB2,TGFBI |
| PTGES | enzyme | 0.0108 | turquoise | ANXA1,ANXA2,BIRC5,CDK5,FLT1,IL1B,ITGAL,PPA1,PTGS2,RPS3A,TNF,VIM |
| STAP2 | other | 0.0109 | turquoise | CCR1,CXCL2,CXCR3,CXCR4,PTK2,TNF |
| ROR2 | kinase | 0.0109 | turquoise | AURKA,BIRC5,CCND2,CEBPA,CREG1,HSCB,MCM4,MDM2,MYB,PIP5K1B,RBL2,SLF1,SMC1A,TEAD2,TFDP1,WEE1 |
| SREBF2 | transcription regulator | 0.0109 | turquoise | ACAA2,ACSL1,APOA2,CAMK1D,CYP51A1,DBI,FABP5,GTF2I,IDI1,IRS2,LDLR,NLRP3,PCYT1A,PLIN2,PMVK,STARD4 |
| antimycin A | chemical - endogenous non-mammalian | 0.0109 | turquoise | CFLAR,TIMP1,TIMP2,TLR4,TNF,TXNIP |
| superoxide | chemical - endogenous mammalian | 0.0109 | turquoise | CAV1,HMOX1,IL1B,MARCKSL1,PTGS2,TIMP1 |
| S-(2,3-bispalmitoyloxypropyl)-cysteine-GDPKHPKSF | chemical reagent | 0.0109 | turquoise | CCL5,CD80,CD86,CXCL8,PTGS2,TNF |
| neuroprotectin D1 | chemical - endogenous mammalian | 0.0109 | turquoise | BIK,HMOX1,IL1B,PTGS2,TNF,TNFAIP2 |
| zinc | chemical drug | 0.0109 | turquoise | BLMH,CD86,CDK4,ENO1,FAS,HMOX1,IDI1,IL1B,KPNA2,MT2A,NDUFB8,PDE4A,PTGS2,SLC30A1,TFRC,TNF |
| miR-22-3p (miRNAs w/seed AGCUGCC) | mature microRNA | 0.011 | turquoise | ARID3B,ARRB1,CYTH3,ESR1,FBXO46,MTHFD2,PPP1R9A,ZNF618 |
| SUB1 | transcription regulator | 0.011 | turquoise | GADD45A,KCNA6,KCNG1,MDM2,NDUFAB1,NDUFB10,NDUFB8,VEGFA |
| ELANE | peptidase | 0.011 | turquoise | CD14,CXCL2,CXCL8,HSPA5,IL1B,SERPINA1,TLR4,TNF |
| benzene | chemical toxicant | 0.011 | turquoise | ARHGAP18,ATF5,CD63,CHP1,CITED2,ID2,IL13RA1,MDM2,RTN4,SLC16A1,SLC9A3R1,SOS2,TXNIP |
| sulindac | chemical drug | 0.0111 | turquoise | ABCB1,BIRC5,CCL5,CCNA2,CDC6,CDK5,CYP1B1,E2F2,GCLC,IL1B,NAP1L1,PTGS2,VEGFA,WEE1 |
| RBL2 | other | 0.0112 | turquoise | AURKA,BUB1B,CAMKK2,CCNA2,CDC6,FAS,KLF10,KPNA2,MAP3K14,MT1G,PA2G4,PPM1G,PSMB2,RBL2,RRM2,TNF,TRAF5,TYMS,VEGFA |
| Jnk | group | 0.0113 | turquoise | ADARB1,ANXA5,BIRC3,BIRC5,BTG1,CCL3,CCL5,CD55,CD69,CD80,CD86,CDK4,CFLAR,CXCL8,CXCR4,FAS,FBXO32,GADD45A,GRIA1,HMOX1,HSPA5,IL1B,ITGB7,MCL1,PLAUR,PTGS2,RARG,RXRA,S100A12,TGFBR2,TIMP1,TNF,VCAN |
| IPMK | kinase | 0.0113 | turquoise | CAPNS1,CSRP1,FLNA,HSP90AB1,MYL6,PDLIM5,TAGLN2 |
| IGF2 | growth factor | 0.0113 | turquoise | APOA2,BIRC5,CD36,CDC6,CORO2B,CXCR4,CYP1B1,GADD45A,HBEGF,IER3,IGFBP4,KLF9,MCM4,MDM2,MMP11,MXI1,PDCD4,PTGS2,RNF103,RRM2,SAT1,SATB1,SLC30A1,TGFBI,TGIF1,UHRF1,VEGFA,ZFAND5 |
| ZC3H12A | enzyme | 0.0113 | turquoise | CEBPA,CEBPB,CEBPD,IL1B,REL,TNF,TNFRSF1B |
| BCL2L11 | other | 0.0113 | turquoise | CCL5,CD36,CXCL2,HDAC9,IL1B,MCL1,TNF |
| CCR1 | G-protein coupled receptor | 0.0113 | turquoise | CCL5,CCR1,ITGAM,ITGAV,RUNX2,TNF,VIM |
| kaempferol | chemical toxicant | 0.0113 | turquoise | BIRC5,CD69,HMOX1,IL32,PTGS2,RUNX2,TNF |
| evodiamine | chemical - endogenous non-mammalian | 0.0113 | turquoise | ABCB1,BIRC3,BIRC5,CFLAR,CXCL8,MCL1,PTGS2 |
| hydroxypropyl-beta-cyclodextrin | chemical drug | 0.0113 | turquoise | ABCG1,CR1,GUSB,IL1B,ITGAX,LDLR,TNF |
| sulforafan | chemical drug | 0.0114 | turquoise | ABCB1,ALDH1A1,BAK1,BIRC5,CXCL8,FAS,GATA3,GCLC,GPX1,GSTM1,HMOX1,IGHE,IL1B,KEAP1,PTGS2,SOD1,TALDO1,TKT,TNF,VEGFA,VIM |
| oleic acid | chemical - endogenous mammalian | 0.0114 | turquoise | ACSL1,ALOX5,AQP3,AQP9,ARG1,CD36,CXCL8,FFAR1,GADD45A,GAPDH,GCLC,HMOX1,HSPA5,IL1B,LDLR,PIK3IP1,PLIN2,PTGS2,RXRA,TLR2,TNF |
| lipid A | chemical toxicant | 0.0115 | turquoise | CCL5,CD14,CD36,CD86,CXCL8,FCGR2B,IL1B,LYN,PRKCD,TNF |
| thymoquinone | chemical - endogenous non-mammalian | 0.0115 | turquoise | BIK,BIRC5,CD14,CDK4,CXCR4,HMOX1,PKM,SAT1,TLR4,TNF |
| C3AR1 | G-protein coupled receptor | 0.0115 | turquoise | CCL5,CD55,CD80,CD86,CXCL8,HSPA5,IL1B,TGFB2,TGFBR2,TNF |
| ABL1 | kinase | 0.0115 | turquoise | CAV1,CCNA2,CCND2,FAS,GADD45A,IER3,MDM2,TGFB2,TP63,VEGFA |
| tamoxifen | chemical drug | 0.0116 | turquoise | AHNAK,ANG,AQP9,ATP5F1B,BID,BIRC5,CAV1,CCNA2,CD36,CFLAR,CXCL8,CXCR4,EPHA4,ESR1,ESR2,ETV4,FLOT1,GAPDH,HSP90AB1,HSP90B1,IER3,IGFBP4,IL1RN,LDLR,MDM2,MIF,MKI67,NFATC4,NRCAM,PTGS2,RBL2,SLC5A3,SLC9A3R1,SMAD3,TGFBR2,TLR4,TNF,TXN,TYMP,VDR,VEGFA,WIPI1 |
| gentamicin | chemical drug | 0.0117 | turquoise | ABAT,ALDH1A1,ASL,ATP6V1D,CEBPB,DDX50,EED,GADD45A,GATM,GUK1,HMOX1,HSP90B1,HSPA5,HYOU1,IL1B,KMO,KYNU,LITAF,MAPKAPK3,MCM6,MDM2,MRPL23,MYO1G,NAA15,NR1D1,PDIA4,PHGDH,PLIN2,PSAT1,RPS27L,TANGO2,TARS,TFRC,TIMP1,TNF,TTC36,TUBB,YBX3 |
| TET2 | enzyme | 0.0121 | turquoise | AFF3,AHNAK,ANXA2,C5AR1,CLEC4D,FAM129A,FCN1,FGL2,FOSL2,HIST1H3B,IL1B,ITGAX,JAML,MTSS1,S100A8,SEC14L1,SGPP1,SORL1,TCL1A,TIMP1,XYLT1,ZBTB16 |
| MYBL2 | transcription regulator | 0.0122 | turquoise | AURKA,BIRC3,BIRC5,CBX4,CCNA2,CEBPA,HSPA8,ITGB1,TFEC,TOP2A,UBE2C |
| AKT2 | kinase | 0.0122 | turquoise | CEBPB,ESR1,GCLC,ITGB1,MYH11,PALLD,PDCD4,SPRY1,TIMP1,TNF,VIM |
| HSPA5 | enzyme | 0.0122 | turquoise | BCL2L2,BIRC5,CCL5,ERN1,ESR1,HSP90B1,HSPA5,HSPA8,IDI1,P4HB,XBP1 |
| MED1 | transcription regulator | 0.0123 | turquoise | ANAPC5,AURKA,BCL11A,BCL7A,BIRC5,CCND2,CDC6,CDK4,CEBPA,CFD,EDF1,FAM89B,FOXO1,GADD45A,ID2,IGLL1/IGLL5,IL2RB,IRF4,IRF8,MCL1,MDM2,NR3C1,PODXL,PRDM1,TBX21,VDR,XBP1,ZMYND11 |
| SMAD7 | transcription regulator | 0.0124 | turquoise | ACVR1,BMPR1A,CCL5,CCNA2,CDKN2C,CFLAR,CITED2,FAS,FURIN,GADD45A,HBEGF,HDAC9,HMOX1,ID2,IL1B,PMEPA1,SMAD3,TGFB2,TGFBI,TGFBR2,TIMP1,TIMP3,TNF,TXN,VEGFA |
| SPP1 | cytokine | 0.0125 | turquoise | ARG1,AURKA,CAPNS1,CCL3,CCL5,CD163,CXCL2,CXCL8,DSP,ETS2,HMOX1,HMOX2,HOMER2,IL1B,ITGAV,NDUFA9,NDUFS4,NRCAM,PGD,PTGS2,RUNX2,S100A4,S100A6,SELENOW,TGFBR2,TIMP1,TNF,VEGFA,VIM |
| PDLIM2 | other | 0.0126 | turquoise | CHPF,CITED2,CLCN4,CRISPLD2,CXCL8,GSTM1,GSTM2,HBEGF,HLA-DOB,IL7,KCTD12,KYNU,NR2F1,PRUNE2,RTN1,SLC43A3,SRGAP1,STAT4,TXNIP |
| losartan potassium | chemical drug | 0.0126 | turquoise | ATP1A1,ATP5PD,CAV1,CD36,CST3,CXCL8,HSPA5,IL1B,ITGAV,PLCB1,PTGS2,TBX21,TGFB2,TGFBR2,TIMP1,TNF,TUBB3,VEGFA,XBP1 |
| Histone h3 | group | 0.0127 | turquoise | ABCB1,ARSG,ATF7IP,BIRC5,CAV1,CCL5,CCNA2,CCND2,CD69,CDC6,CDK4,CDKN2C,CEBPA,CFLAR,CIITA,CKAP4,CRH,CSF1R,CXCL8,ESR1,FAM49A,FKBP5,FLT1,GAPDH,GATA3,GFI1,ID2,IGFBP4,IL1B,IL6R,LARP1B,MCM4,MDM2,MGLL,MT1G,NDUFA7,NDUFB4,NDUFB7,NDUFC2,NDUFS4,NDUFS5,PALLD,PAX5,PCBD2,POLD4,PRDM1,PSMA2,PTGS2,RASSF1,RGS10,RUNX2,S100A8,S100A9,SLC16A6,SYNE2,TBX21,TGFBR2,TLR2,TOP2A,TRIB1,UPP1,UQCRC1,VEGFA,WDR1,XBP1,ZBTB44,ZDHHC11 |
| LGR4 | transmembrane receptor | 0.0127 | turquoise | AHR,AQP9,CD14,ESR1,GLUL,IL1B,PLBD1,SLC13A3,TNF |
| PKM | kinase | 0.0127 | turquoise | ENO1,IL1B,ITGB1,LDHA,NDUFB8,PKM,PTK2,SDHB,SLC35D2 |
| Cdc42 | enzyme | 0.0127 | turquoise | ATP6V1A,BID,CD86,CEBPA,CTSA,FAS,FLNA,GFI1,TNF |
| C5 | cytokine | 0.0127 | turquoise | C5AR1,CCL3,CCL5,CD55,CD59,CD63,CD86,CXCL2,CXCL8,ERN1,FCGR2A,FCGR2B,FLT1,HSPA5,IL1B,ITGAM,SF1,ST6GAL1,TNF,TNFAIP2,VEGFA |
| methylmercury | chemical toxicant | 0.0128 | turquoise | ARHGAP18,ATF5,CD63,CHP1,CITED2,HMOX1,ID2,IL13RA1,MDM2,RTN4,SLC16A1,SLC9A3R1,SOS2,TXNIP |
| FOXM1 | transcription regulator | 0.0131 | turquoise | ANXA1,BIRC5,BRIP1,BUB1B,CAV1,CCNA2,CCND2,CDCA2,CXCR3,ESR1,FLT1,FZD1,IL1RN,KIF20A,LDHA,MKI67,PGK1,PLAUR,PTTG1,TGFBR2,TOP2A,VCAN,VEGFA,VIM |
| ATF3 | transcription regulator | 0.0131 | turquoise | AURKA,BHLHE41,BIRC3,CCL5,CD69,CDK4,GBP4,HSPA5,IL1B,LDLR,MDM2,MT2A,SLC11A1,SRI,TLR2,TNF,TP53I3,XBP1 |
| monophosphoryl lipid A | chemical drug | 0.0135 | turquoise | CD80,CD86,IL1B,IL1RN,TNF |
| amphotericin B | chemical drug | 0.0135 | turquoise | CXCL8,IL1B,IL1RN,TIMP1,TNF |
| mir-204 | microRNA | 0.0135 | turquoise | CXCL2,CXCL8,IL1B,MCL1,RUNX2 |
| FCGR1A | transmembrane receptor | 0.0135 | turquoise | IL1B,IL1RN,ITGAM,LSP1,TNF |
| GNA13 | enzyme | 0.0135 | turquoise | CXCL8,MAP3K5,MYH11,PTGS2,VEGFA |
| VIPR1 | G-protein coupled receptor | 0.0135 | turquoise | CCL5,CD80,CD86,CXCL2,TNF |
| CBFA2T3 | transcription regulator | 0.0135 | turquoise | CD4,EPB42,ID2,ITGAM,PFKFB3 |
| N-(3-oxododecanoyl)-homoserine lactone | chemical reagent | 0.0135 | turquoise | CXCL2,CXCL8,IL1B,PTGS2,TYMS |
| muromonab-CD3 | biologic drug | 0.0135 | turquoise | CD69,GZMB,TBX21,TFRC,TNF |
| amlodipine | chemical drug | 0.0135 | turquoise | ANXA2,ENO1,LDLR,PTGS2,S100A10 |
| calpeptin | chemical reagent | 0.0135 | turquoise | ESR1,GRK3,PTK2,TLR4,VIM |
| noscapine | chemical drug | 0.0135 | turquoise | BIRC3,BIRC5,CFLAR,MCL1,PTGS2 |
| nocodazole | chemical reagent | 0.0136 | turquoise | AURKA,BRAF,CAV1,CDK4,CFLAR,DUSP4,FLNA,GRK3,MAPK1,MCL1,MDM2,PRKCB,PRKCE,PTGS2,PTK2,PTPN12,UHRF1 |
| N-nitro-L-arginine methyl ester | chemical drug | 0.0136 | turquoise | CD80,CD86,CXCL2,CXCL8,FAS,HMOX1,IL1B,ITGAV,LDLR,PERP,PTGS2,SOD1,TIMP1,TLR2,TLR4,TNF,VEGFA |
| ethanol | chemical - endogenous mammalian | 0.0137 | turquoise | ABCG1,ALOX5,C5AR1,CAMK4,CAPN5,CCL5,CD14,CEBPA,CEBPB,CEBPD,CNR1,CRH,CXCL8,CXCR4,DUSP6,ESR1,FAS,FOSL2,GADD45A,GDE1,GNAS,GZMB,HIST1H3B,HMOX1,HOMER2,HSD17B10,HSP90AB1,HSP90B1,HSPA5,IGHM,IL16,IL1B,IL1RN,ITGAM,ITGAX,LGALS1,NR3C1,PRF1,PTGS2,RAB3D,RORA,SERPINA1,SRXN1,STAT5B,TGFB2,TIMP1,TIMP2,TLR2,TLR4,TNF,TTC3,WEE1 |
| fish oils | chemical drug | 0.0138 | turquoise | ACSL1,CEBPA,CEBPB,CRH,IL1B,NRIP1,NUCB2,PTGS2,RXRA,TLR4 |
| RCE1 | peptidase | 0.0138 | turquoise | ACTN4,ATP5F1B,CRIP1,HBEGF,MGST1,PLIN2,POLM,REEP5,TGFB2,TGFBI |
| carrageenan | chemical - endogenous non-mammalian | 0.0138 | turquoise | CCL5,CXCL2,CXCL8,ESR1,FOSL2,IL1B,NR3C1,PTGS2,TNF,VEGFA |
| D-fructose | chemical - endogenous mammalian | 0.0138 | turquoise | CEBPA,CXCL2,IL1B,ITGAM,SLC2A5,TIMP1,TIMP3,TKT,TNF,TXN2 |
| lipoxin A4 | chemical - endogenous mammalian | 0.0139 | turquoise | CXCL8,ESR1,HMOX1,IL1B,PTGS2,TIMP1,TIMP2,TNF |
| dithiothreitol | chemical reagent | 0.0139 | turquoise | ERO1B,GADD45A,HMOX1,HSP90B1,HSPA5,SEL1L,TLR2,VEGFA |
| R-WIN 55,212 | chemical reagent | 0.0139 | turquoise | CCND2,CDK4,CXCL8,E2F2,IL1B,TFDP1,TFDP2,TNF |
| 8-hydroxyguanine | chemical - endogenous mammalian | 0.014 | turquoise | CXCL2,IL1B,TNF |
| glutamine | chemical - endogenous mammalian | 0.014 | turquoise | ADA,ATF5,BCAT1,BSG,CARS,CEBPB,CXCL8,FABP5,GADD45A,HSPA5,MCL1,OAZ1,PTGS2,SLC16A1,TNF,VEGFA,VIM,WARS,XBP1 |
| eritoran | chemical drug | 0.014 | turquoise | CXCL8,IL1B,TNF |
| inositol | chemical drug | 0.014 | turquoise | CD55,CD59,PAM |
| 1-palmitoyl-2-oleoylglycero-3-phosphoglycerol | chemical reagent | 0.014 | turquoise | CXCL8,IL1B,TNF |
| CD300LF | other | 0.014 | turquoise | CALCR,CXCL8,IL1B |
| [Lys15,Arg16,Leu27]VIP(1-7)GRF(8-27) | chemical reagent | 0.014 | turquoise | CD80,CD86,CXCL8 |
| (+)-catechin | chemical drug | 0.014 | turquoise | HSPA5,RUNX2,SLC16A1 |
| Tlr11 | transmembrane receptor | 0.014 | turquoise | CXCL8,IL1B,TNF |
| PRDM5 | transcription regulator | 0.014 | turquoise | APOBEC3B,ARID3B,CD99,CKLF,COL19A1,EED,ETS2,ID2,IL6R,MYB,NCOA7,NREP,PAX5,PHC1,RUNX2,UBL7 |
| SFRP5 | transmembrane receptor | 0.014 | turquoise | CXCR4,IL1B,TNF |
| CREB3L4 | transcription regulator | 0.014 | turquoise | ANG,AQP9,ID2 |
| PDGFD | growth factor | 0.014 | turquoise | CXCR4,PTGS2,VEGFA |
| AP2M1 | transporter | 0.014 | turquoise | ATP6V0E1,CD4,CD74 |
| FES | kinase | 0.014 | turquoise | CSF3R,ITGAM,ITGAX |
| TLN1 | other | 0.014 | turquoise | ITGAL,ITGB1,MCL1 |
| miR-183-5p (miRNAs w/seed AUGGCAC) | mature microRNA | 0.014 | turquoise | FOXO1,IDH2,PDCD4 |
| miR-292b-5p (and other miRNAs w/seed CUCAAAA) | mature microRNA | 0.014 | turquoise | BCL11A,BCL11B,BTG1 |
| TDO2 | enzyme | 0.014 | turquoise | AHR,PTGS2,SLC1A4 |
| PSAP | enzyme | 0.014 | turquoise | BIRC3,ESR1,GBA |
| PTMA | other | 0.014 | turquoise | CCL3,IL1B,TNF |
| sulfinosine | chemical reagent | 0.014 | turquoise | ABCB1,GCLC,VEGFA |
| CD226 | other | 0.014 | turquoise | BIRC5,CD69,GZMB |
| Cxcl3 | cytokine | 0.014 | turquoise | CEBPA,CEBPB,CEBPD |
| PILRA | other | 0.014 | turquoise | CXCL2,IL1B,TNF |
| equol | chemical - endogenous non-mammalian | 0.014 | turquoise | CTNND1,EIF4G1,ESR2 |
| atrasentan | chemical drug | 0.014 | turquoise | BIRC5,PTGS2,VEGFA |
| famotidine | chemical drug | 0.014 | turquoise | CD80,CXCL2,TNF |
| roflumilast | chemical drug | 0.014 | turquoise | CXCL2,IL1B,TNF |
| grepafloxacin | chemical drug | 0.014 | turquoise | CXCL8,IL1B,TNF |
| FC-99 | chemical reagent | 0.014 | turquoise | CD69,CD80,CD86 |
| palmitoylethanolamide | chemical drug | 0.014 | turquoise | IL1B,TNF,TNFRSF1B |
| mannan | chemical - endogenous mammalian | 0.014 | turquoise | PTGS2,TLR2,TLR4 |
| N-acetylglucosamine | chemical - endogenous mammalian | 0.014 | turquoise | FFAR1,PTGS2,TNF |
| allosamidin | chemical reagent | 0.014 | turquoise | ABCG1,CD36,TNF |
| 1,4-glucan | chemical - endogenous mammalian | 0.0142 | turquoise | CXCL8,TNF |
| syringin | chemical - endogenous non-mammalian | 0.0142 | turquoise | IL1B,TNF |
| diphosphoryl lipid A | chemical toxicant | 0.0142 | turquoise | IL1B,TNF |
| C1QTNF12 | other | 0.0142 | turquoise | IL1B,TNF |
| 4',6,7-trihydroxyisoflavone | chemical - endogenous non-mammalian | 0.0142 | turquoise | ESR1,ESR2 |
| 6-hydroxy-enterolactone | chemical reagent | 0.0142 | turquoise | ESR1,ESR2 |
| SFTPA2 | other | 0.0142 | turquoise | HSPA5,XBP1 |
| PIK3AP1 | kinase | 0.0142 | turquoise | CEBPA,IRF8 |
| POPDC2 | other | 0.0142 | turquoise | IL1B,TNF |
| VRK2 | kinase | 0.0142 | turquoise | PTGS2,TCP1 |
| MSRA | enzyme | 0.0142 | turquoise | HMOX1,MSRB2 |
| SEMA4A | other | 0.0142 | turquoise | TBX21,VEGFA |
| ZNF385B | other | 0.0142 | turquoise | FAS,PERP |
| NAAA | enzyme | 0.0142 | turquoise | IL1B,TNF |
| soy isoflavones | chemical drug | 0.0142 | turquoise | MKI67,PTGS2 |
| dinaciclib | chemical drug | 0.0142 | turquoise | HSPA5,XBP1 |
| BIIB021 | chemical drug | 0.0142 | turquoise | CDKN2C,MDM2 |
| pycnogenols | chemical drug | 0.0142 | turquoise | CXCL8,PTGS2 |
| ORC | complex | 0.0142 | turquoise | CDC6,CDT1 |
| ARFGEF2 | other | 0.0142 | turquoise | FLNA,TNF |
| STXBP4 | other | 0.0142 | turquoise | ITGB1,TP63 |
| LYZ | enzyme | 0.0142 | turquoise | IL1B,LYZ |
| ARIH2 | enzyme | 0.0142 | turquoise | GFI1,IL1B |
| miR-16-1-3p (miRNAs w/seed CAGUAUU) | mature microRNA | 0.0142 | turquoise | CHEK1,WEE1 |
| miR-511-5p (miRNAs w/seed UGUCUUU) | mature microRNA | 0.0142 | turquoise | CD80,TLR4 |
| SGCA | other | 0.0142 | turquoise | SGCB,SSPN |
| HPS1 | other | 0.0142 | turquoise | LGALS3,TNF |
| sulfurbutylether-beta-cyclodextrin | chemical reagent | 0.0142 | turquoise | ABCG1,LDLR |
| SLC7A11 | transporter | 0.0142 | turquoise | IL1B,TNF |
| DISC1 | other | 0.0142 | turquoise | DTNBP1,ITGB1 |
| STAG2 | transcription regulator | 0.0142 | turquoise | CD69,TNF |
| ZFP36L1 | transcription regulator | 0.0142 | turquoise | TNF,VEGFA |
| CD8B | other | 0.0142 | turquoise | IL1B,TNF |
| GPBP1 | transcription regulator | 0.0142 | turquoise | ADA,TOP2A |
| 3-hydroxydodecanoic acid | chemical - endogenous mammalian | 0.0142 | turquoise | CXCL8,TNF |
| 6-n-octylaminouracil | chemical - kinase inhibitor | 0.0142 | turquoise | CXCL8,TNF |
| PDIA6 | enzyme | 0.0142 | turquoise | HSP90B1,HSPA5 |
| CASP8AP2 | transcription regulator | 0.0142 | turquoise | CFLAR,MCL1 |
| RAN | enzyme | 0.0142 | turquoise | MCL1,TNF |
| Acp5 | phosphatase | 0.0142 | turquoise | IL1B,TNF |
| VTX-2337 | chemical drug | 0.0142 | turquoise | FCGR2B,GZMB |
| ATB-346 | chemical drug | 0.0142 | turquoise | IL1B,TNF |
| RPS19 | other | 0.0142 | turquoise | CD74,MIF |
| BAI | chemical - kinase inhibitor | 0.0142 | turquoise | CFLAR,MCL1 |
| PX-12 | chemical drug | 0.0142 | turquoise | CYP1B1,SAT1 |
| palytoxin | chemical toxicant | 0.0142 | turquoise | ABCB1,DUSP6 |
| SK & F 86002 | chemical - kinase inhibitor | 0.0142 | turquoise | FCER2,TNF |
| cilomilast | chemical drug | 0.0142 | turquoise | CXCR4,TNF |
| dimethyl succinate | chemical - endogenous mammalian | 0.0142 | turquoise | BSG,SLC16A1 |
| desethylamiodarone | chemical - endogenous mammalian | 0.0142 | turquoise | CXCL8,TNF |
| hexaarginine-neomycin B conjugate | chemical reagent | 0.0142 | turquoise | CD8A,CXCR4 |
| LFM-A13 | chemical - kinase inhibitor | 0.0142 | turquoise | CCND2,HMOX1 |
| incyclinide | chemical drug | 0.0142 | turquoise | PTGS2,TYMS |
| biliverdine | chemical - endogenous mammalian | 0.0142 | turquoise | BLVRA,TLR4 |
| cadmium sulfate | chemical toxicant | 0.0142 | turquoise | HMOX1,PTGS2 |
| all-trans-4-Oxo-retinoic acid | chemical - endogenous mammalian | 0.0142 | turquoise | CD38,ITGAX |
| Z-YVAD-FMK | chemical reagent | 0.0142 | turquoise | CXCL8,IL1B |
| D-JNK inhibitor I | chemical drug | 0.0142 | turquoise | CSF1R,CXCL8 |
| bacitracin | biologic drug | 0.0142 | turquoise | ANXA5,TNF |
| ingenol-dibenzoate | chemical reagent | 0.0142 | turquoise | CD36,CD55 |
| tetrahydropalmatine | chemical - endogenous non-mammalian | 0.0142 | turquoise | CXCL8,PTGS2 |
| strychnine | chemical drug | 0.0142 | turquoise | IL1B,TNF |
| epoxyeicosatrienoic acid | chemical - other | 0.0142 | turquoise | ALOX5,PTGS2 |
| glycoconjugate | chemical - other | 0.0142 | turquoise | MGAT3,MGAT5 |
| mir-17 | microRNA | 0.0144 | turquoise | ARID4B,BIRC3,CXCL8,ESR1,FAS,FBXW7,FGF9,MAP3K5,MDM2,NCOA3,PKD1,PSMD13,RBL2,TXNIP,ZBTB7A |
| NTRK2 | kinase | 0.0144 | turquoise | ABCB1,BID,CCNA2,CCND2,CDC6,CDCA3,CDCA5,CDK4,CDKN2C,DAPK1,DNM2,PYCARD,TNF,VEGFA,VIM |
| MOG | other | 0.0145 | turquoise | ARG1,C5AR1,CCL5,CCR1,CD80,CD86,CIITA,CXCL2,ITGAL,MKI67,TNF |
| plumbagin | chemical toxicant | 0.0147 | turquoise | BAK1,BIRC3,BIRC5,CFLAR,ESR1,PRKCE,PTGS2 |
| TIRAP | other | 0.0147 | turquoise | CCL5,CD86,CXCL2,CXCL8,IL1B,PTGS2,TNF |
| BAK1 | other | 0.0147 | turquoise | CCL5,EDEM1,ERO1A,IFNAR2,PDIA6,TNF,XBP1 |
| CCL3 | cytokine | 0.0147 | turquoise | APOBEC3G,CCL3,CCR1,IL1B,ITGAM,ITGB1,TNF |
| TNIP1 | other | 0.0147 | turquoise | CCR1,CD4,CXCL2,IL1B,S100A8,S100A9,TNF |
| methamphetamine | chemical drug | 0.0147 | turquoise | ADGRE1,BID,FAS,FOSL2,HMOX1,HOMER2,IL1B,LGALS1,NDUFB8,SIGMAR1,TIMP2,TNF,TNFRSF1B,TXN |
| rimonabant | chemical drug | 0.0147 | turquoise | CNR1,CXCL8,HSPA5,IL1B,IL1RN,PTGS2,TNF |
| medroxyprogesterone acetate | chemical drug | 0.0147 | turquoise | ANLN,ASPM,BIRC5,BRIP1,CAMK4,CCL3,CCL5,COL4A3,CXCR4,DLGAP5,ESR1,FAS,FOXO1,IL1B,IL6R,ITGB1,KIF11,NCAPG,NUSAP1,TNF,VCAN,VEGFA |
| Fibrinogen | complex | 0.0148 | turquoise | CXCL8,FCGR3A/FCGR3B,IL1B,ITGAM,TLR2,TNF |
| Pde4 | group | 0.0148 | turquoise | CD14,CD163,CRH,CYP51A1,LDLR,TNF |
| TERT | enzyme | 0.0148 | turquoise | BIRC5,CALU,CAV1,CTSC,CXCL8,DUSP6,ELK3,HLA-B,IGFBP4,IL13RA1,IL1B,IQGAP2,ITGAV,PCDHGC3,PTGS2,PXN,RRM2,SERP1,SMAD3,SPON1,SSR3,TERF2,TOX2,VIM,XBP1 |
| LRPAP1 | other | 0.0148 | turquoise | IL1B,LDLR,MAPK1,PTGS2,SORL1,TNF |
| SAA1 | transporter | 0.0148 | turquoise | ARG1,CEBPA,CXCL8,IL1B,IL1RN,TNF |
| PPP1R13L | transcription regulator | 0.0148 | turquoise | CCND2,DSP,ITGAV,ITGB1,PERP,TP63 |
| GABPB1 | transcription regulator | 0.0148 | turquoise | AURKA,FCAR,IL16,IL7R,TSHR,UTRN |
| EPHB6 | kinase | 0.0148 | turquoise | BMPR1A,EIF4EBP2,FKBP1A,FKBP5,TNF,TRIB1 |
| ITGAL | transmembrane receptor | 0.0148 | turquoise | CD69,CD80,CD86,GATA3,ITGAL,TNF |
| TERF2IP | other | 0.0148 | turquoise | CXCL8,EPB41L4A,FAM198B,HS3ST1,NUDT6,TNF |
| sulfasalazine | chemical drug | 0.0148 | turquoise | CXCL8,GZMB,IER3,IL1B,NR3C1,TYMP |
| dipyridamole | chemical drug | 0.0148 | turquoise | HMOX1,PTGS2,RASSF1,TIMP1,TIMP2,TNF |
| acetaldehyde | chemical - endogenous mammalian | 0.0148 | turquoise | CEBPB,CNR1,KLF9,SMOX,TIMP1,TNF |
| PS-1145 | chemical - kinase inhibitor | 0.0148 | turquoise | CCL5,CDK4,CXCL8,HSPA5,PTGS2,UACA |
| nickel | chemical toxicant | 0.0148 | turquoise | CD80,CD86,CXCL8,ESR1,GAPDH,IL1RN |
| rifampin | chemical drug | 0.0152 | turquoise | ABCB1,ABCB4,ABCG1,ABHD2,ALAS1,C12orf42,CARS,CD14,CD36,CD59,CDCA7L,CFL1,ECT2,FMO5,GRK3,HMGB3,HMMR,IL1B,ITGAM,MT1G,MYB,NCAPH,RACGAP1,RGS10,TBC1D9,TLR2 |
| clarithromycin | chemical drug | 0.0154 | turquoise | CXCL8,IL1B,PTAFR,TNF |
| RUNX1T1 | transcription regulator | 0.0154 | turquoise | CCL3,CCND2,CD69,CSF1R |
| cytidylyl-3'-5'-guanosine | chemical reagent | 0.0154 | turquoise | CD86,IL1B,PRDM1,TNF |
| TLR2/3/4/9 | group | 0.0154 | turquoise | CD58,CD80,CD86,FCGR2B |
| TCF/LEF | group | 0.0154 | turquoise | BIRC5,ITGB1,PTGS2,RUNX2 |
| ABCD1 | transporter | 0.0154 | turquoise | ALOX5,IL1B,PTGS2,TNF |
| PF-3084014 | chemical drug | 0.0154 | turquoise | BAK1,BIRC5,MCL1,NR3C1 |
| TRG | other | 0.0154 | turquoise | CAV1,FCER1G,IL1B,NT5E |
| HSP90AA1 | enzyme | 0.0154 | turquoise | BIRC5,CFLAR,CYP1B1,GRK3 |
| PPP3CB | phosphatase | 0.0154 | turquoise | FBXO32,GADD45A,KLRD1,RBL2 |
| BLNK | other | 0.0154 | turquoise | CCND2,CDK4,FOXO1,MDM2 |
| IL1R2 | transmembrane receptor | 0.0154 | turquoise | CXCL2,CXCL8,IL1B,TNF |
| LUM | other | 0.0154 | turquoise | CXCL2,FAS,IL1B,TNF |
| FANCD2 | other | 0.0154 | turquoise | GPX1,SOD1,TNF,TP63 |
| NELFA | other | 0.0154 | turquoise | BSG,CYP1B1,DLGAP5,TOP2A |
| ENTPD1 | enzyme | 0.0154 | turquoise | CD86,CXCL2,CXCL8,TNF |
| 2-[[9-isopropyl-6-[[4-(2-pyridyl)phenyl]methylamino]purin-2-yl]amino]butan-1-ol | chemical reagent | 0.0154 | turquoise | CCNA2,CD86,CDK4,TNF |
| NELFE | other | 0.0154 | turquoise | BSG,CXCL8,DLGAP5,TOP2A |
| raltitrexed | chemical drug | 0.0154 | turquoise | ANXA2,FAS,SAT1,TYMS |
| D-sphingosine | chemical - endogenous mammalian | 0.0154 | turquoise | CXCL2,IL4R,PTGS2,TNF |
| enterolactone | chemical - endogenous mammalian | 0.0154 | turquoise | ESR1,ESR2,IL1RN,MKI67 |
| BQ-788 | chemical drug | 0.0154 | turquoise | AQP9,CTNND1,CXCL2,TNF |
| tyrphostin AG 127 | chemical - kinase inhibitor | 0.0154 | turquoise | IL1B,IRAK1,PTGS2,TNF |
| 3,5-diiodothyronine | chemical - endogenous mammalian | 0.0154 | turquoise | CD36,ENO1,GAPDH,PGM1 |
| L-N6-(1-iminoethyl)-lysine | chemical reagent | 0.0154 | turquoise | HMOX1,ITGAM,PTGS2,VEGFA |
| TGFB2 | growth factor | 0.0156 | turquoise | AHR,CD36,CD59,CD86,CFLAR,CIITA,FAS,FURIN,HBEGF,HMOX1,PTAFR,S100A8,SMAD3,TGFB2,TGFBR3,TIMP1,VCAN,VDR,VEGFA |
| FGF2 | growth factor | 0.0158 | turquoise | AGAP3,ANG,AQP3,BIRC5,CAV1,CCND2,CFLAR,CNP,CXCL2,CXCR4,DAD1,DUSP6,ENO1,EPHA4,ETV4,FAS,FDX1,FLNA,FLT1,FOXO1,GADD45A,GRIA1,HBEGF,ID2,IGFBP4,IL1B,ITGB1,MDM2,MIF,MKI67,MMD,NOTCH4,NR3C1,PGK1,PLAUR,PRKCD,PRKCE,PTGS2,PTPRE,PTTG1,RUNX2,S100A10,S100A4,S100A8,SPRY1,ST3GAL3,TGFB2,TGFBR3,TIMP1,TIMP3,TNF,TOP2A,TSHR,TUBB3,VEGFA,VIM,XRCC6 |
| EGR1 | transcription regulator | 0.0162 | turquoise | ABCB1,CAV1,CCND2,CCR1,CXCL2,CXCL8,DUSP4,FAS,FLT1,GADD45A,GNAS,GRIA1,HBEGF,HMOX1,IL1B,IL6R,ITGAM,LDLR,LYZ,MYB,PEG10,PTGS2,SF1,SOD1,TGFBR2,TIAM1,TIMP1,TLR4,TNF,VEGFA |
| E. coli serotype 0127B8 lipopolysaccharide | chemical - endogenous non-mammalian | 0.0163 | turquoise | ANXA1,AQP9,BRIP1,CAV1,CCL5,CD14,CXCL2,CXCR4,DNAJC3,EDEM1,FZD1,GLUL,HMOX1,HSPA5,IL1B,IL7,LAMC1,LGALS3,P2RY14,PRDX3,PRDX5,PTGS2,SEMA4A,SLC52A2,SMAD3,TGFBR2,TGFBR3,TLR2,TLR4,TNF,VEGFA |
| captopril | chemical drug | 0.0164 | turquoise | ANXA1,BIRC5,FCGR2A,GNAI3,HMOX1,IER3,IL1RN,LGALS3,PTGS2,S100A10,S100A11,SLC8A1,TGFB2,TIMP1,UPP1 |
| PTPN6 | phosphatase | 0.0165 | turquoise | CD86,CDK4,CXCL8,IGHM,IL1B,LYN,TBX21,TIMP1,TNF,VIM |
| TCF7 | transcription regulator | 0.0165 | turquoise | BCL11B,CD4,CEBPA,CEBPD,GATA3,HAVCR2,LAT,PRDM1,RORA,TCF7 |
| methapyrilene | chemical drug | 0.0168 | turquoise | ABAT,ACTG1,ALDOA,ANXA2,ANXA5,APOA2,CD36,CST3,DBI,GADD45A,GCLC,GSTM1,HMOX1,HSPA5,ITGB1,KYNU,PLCB1,PRKCB,RPS8,SERP1,SLC3A2,SULT1A1,TUBB |
| miR-122-5p (miRNAs w/seed GGAGUGU) | mature microRNA | 0.0168 | turquoise | ALDOA,ATP11A,BACH2,BCKDK,BCL2L2,CERS6,FAM117B,FOXP1,P4HB,PKM,RABIF,TMED3,TRIB1,VIM |
| CYLD | transcription regulator | 0.0172 | turquoise | CD80,CD86,CR2,CXCL8,FCER1G,IL1B,IL7R,REL |
| MAX | transcription regulator | 0.0172 | turquoise | CBX5,CCND2,CDK4,DLEU2,DUSP7,E2F2,EED,EZH2,FBXO32,GADD45A,HMGA1,ID2,JARID2,KLF10,MTHFD1,TXNIP,UBE2C |
| miR-133a-3p (and other miRNAs w/seed UUGGUCC) | mature microRNA | 0.0172 | turquoise | ARL3,BCL2L2,CMTM6,LASP1,MCL1,NFATC4,PKM,PTPRK,QKI,RUNX2,TBL1X,TNF |
| FHIT | enzyme | 0.0172 | turquoise | BAK1,FBXW7,RAB11A,RAB31,RABAC1,RABIF,RANBP2,VIM |
| MAP3K1 | kinase | 0.0172 | turquoise | BIRC3,CSTA,CXCL8,FAS,HMOX1,LDLR,PLAUR,PRDX1,PTGS2,TIMP1,TNF,TOP2A |
| sildenafil | chemical drug | 0.0172 | turquoise | AIF1,CEBPB,CFLAR,FLT1,HMOX1,PTGS2,TNF,VEGFA |
| methylnitronitrosoguanidine | chemical toxicant | 0.0172 | turquoise | BAK1,BTG1,CEBPA,FAS,GADD45A,KLF10,MDM2,TP53I3 |
| staurosporine | chemical - kinase inhibitor | 0.0172 | turquoise | ABCB1,ANXA5,CDK4,CREG1,CSF3R,CXCL8,FAS,FCGR2A,HMOX1,IL1B,KLF10,MCL1,PRDM1,PRDX1,PTGS2,RPS11,SMAD3,STAT4,TGFBR3,VDR,VEGFA |
| decitabine | chemical drug | 0.0172 | turquoise | ABCB1,AIM2,ALOX5,ANXA2,BCL2L2,BIRC3,BTG1,CADM1,CAV1,CCL5,CCNA2,CCND2,CD226,CD8A,CELA3B,CX3CR1,CXCR3,CXCR4,CYP1B1,DAPK1,DST,EEF1B2,ESR1,ESR2,FAS,FECH,FILIP1L,GLRX,GPX1,HBEGF,HLA-B,HMMR,IGFBP7,IL1B,IL7R,ITGAV,LDLR,LGALS3,LY96,MAFB,MKI67,NR3C1,NSD2,PAWR,PCDH9,PTGS2,RASSF1,REL,RNASE4,RPS27,RRM2B,RUNX3,S100A10,SAT1,SLC30A1,SMARCA2,SNRPN,STAT4,TFRC,TGFB2,TGFBI,TGFBR2,TIMP2,TIMP3,TNF,TNFRSF10C,TNFRSF25,TOP2A,TP63,TUBA4A,UCHL1,VCAN,VIM |
| DNMT3B | enzyme | 0.0175 | turquoise | BEX5,BIK,CAMK4,CBX5,CCL5,CD36,CNR1,CYP1B1,EMILIN2,ESR1,FBXL16,GRK3,HDAC9,LINC00674,MGST1,MYL6,NFATC3,PLA2G16,PLP2,POLD4,PRKCB,PRUNE2,RASSF1,RPL13,RPP25,SEC62,SH2D1A,SLC30A1,SLC8A1,TIMP3 |
| MITF | transcription regulator | 0.0176 | turquoise | ACP5,ACSL1,ATP1A1,CAPN3,CDCA3,CDT1,CEP55,CXCL8,DAPK1,DIAPH1,ECT2,FAM53B,FBXO32,GZMB,IL6R,IRF4,ITPKB,KIF20A,LGALS3,MCM4,MCM6,MGAT4B,NR3C1,PHACTR1,PIF1,PLA1A,POLM,PRF1,RRAGD,SHTN1,SPC24,ST3GAL6,STX7,TBC1D16,TPX2,TXNIP,UBE2C,UPP1 |
| TREM1 | transmembrane receptor | 0.0177 | turquoise | ATP1B1,CCL3,CCL5,CD14,CD1A,CD86,CEBPB,CXCL2,CXCL8,CXCR4,DTL,DTNBP1,DUSP4,E2F7,ETS2,HBEGF,IL15RA,IL1B,IL6R,ITGAX,LRRC8C,MCOLN2,MT1E,NT5E,PTGS2,RHOU,RIN2,SLAMF7,STARD4,TARP,TLR2,TLR4,TNF |
| NRG1 | growth factor | 0.0177 | turquoise | ACTN1,ARPC4,BAK1,CAV1,CCND2,CXCL8,CXCR3,CXCR4,DAD1,DUSP4,DUSP6,ELOA,ESR2,FABP5,GPI,HMGA1,HMOX1,IDI1,IER3,ITGAM,ITGAV,LIMK2,MCL1,MGLL,PDCD4,PLAUR,PTGS2,PXN,SDHA,TNFRSF25,TOB2,UTRN,VCL,VEGFA,VIM,XRCC6 |
| SMAD3 | transcription regulator | 0.0177 | turquoise | ABI2,APOA2,ARID3A,BMP6,CCND2,CD59,CDK4,CIITA,DAPK1,DUSP4,ESR1,ESR2,GATA3,GZMA,GZMB,HBEGF,HMOX1,ID2,IL1B,ITGB1,PMEPA1,PTGS2,PTPRK,RUNX2,SKIL,SLC25A4,SLC51B,SMAD3,TBX21,TGFB2,TIMP1,TIMP3,TNF,VEGFA,VIM,ZYX |
| TO-901317 | chemical reagent | 0.0177 | turquoise | ABCG1,ACSL1,AGPAT3,ALAS1,CDK4,COX17,ELOVL5,ENO1,FABP5,FMO5,GPI,HSD17B8,IGFBP4,IL1B,LDLR,LGALS3,MCM6,MGLL,MID1IP1,NR1D1,PFKFB3,PSMA5,PSMA7,PSMB2,PTGS2,SIGMAR1,SMAD3,TIMP1,TIMP3,TKT,TLR4,TNF,TSHR,VEGFA |
| SAMSN1 | other | 0.0179 | turquoise | BBX,CCND2,CD70,CITED2,CXCL2,FCER2,FGL2,HBEGF,IL15RA,IRGM,PLA1A,PTGS2,SH3BP5,SLCO3A1,TNF,XBP1 |
| 4-phenylbutyric acid | chemical - endogenous mammalian | 0.0179 | turquoise | CCL5,CDV3,CFLAR,CNP,CXCL8,ERN1,GUSB,HSP90B1,HSPA5,PRKCE,PSMA3,PTGS2,SERPINA1,TIMP2,TNF,XBP1 |
| RCAN1 | transcription regulator | 0.0186 | turquoise | CCNA2,CD36,CDK4,CXCL8,PTGS2,SOD1,TNF |
| mercuric chloride | chemical toxicant | 0.0186 | turquoise | GADD45A,GCLC,GSTM1,HBEGF,HMOX1,HSPA9,TXN |
| SGPP2 | phosphatase | 0.0186 | turquoise | DNAJC3,HSPA5,HSPA8,HSPA9,IL1B,TNF,XBP1 |
| homocysteine | chemical - endogenous mammalian | 0.0186 | turquoise | ANXA2,CCL5,CXCL8,FOSL2,GADD45A,HMOX1,HSPA5,IDI1,IL1B,ITGAM,PRDX1,PTGS2,TIMP1,VEGFA,XBP1 |
| xanthohumol | chemical - endogenous non-mammalian | 0.0187 | turquoise | ANXA1,BIRC3,BIRC5,HMOX1,IL1B,LY96,RUNX2,TLR4,TNF |
| ICAM1 | transmembrane receptor | 0.0187 | turquoise | CCL5,CD69,CD80,CD86,CXCL2,IL1B,ITGAL,TNF,VEGFA |
| PGF | growth factor | 0.0187 | turquoise | ALOX5,BIRC5,CXCL8,CXCR4,E2F2,ETS2,FLT1,IL1B,TNF |
| ALB | transporter | 0.0187 | turquoise | CCL5,CXCL8,ERN1,HSPA5,IL1B,PTGS2,TNF,VEGFA,XBP1 |
| fluoride | chemical - endogenous mammalian | 0.0189 | turquoise | FAS,GADD45A,HSPA5,RUNX2,XBP1 |
| trastuzumab | biologic drug | 0.0189 | turquoise | BNIP3L,CEBPB,CXCL8,PDCD4,TOP2A |
| 3M-002 | chemical reagent | 0.0189 | turquoise | CD86,IL1B,IRF4,PTGS2,TNF |
| SIGIRR | transmembrane receptor | 0.0189 | turquoise | CXCL2,IL1B,IRAK1,TLR4,TNF |
| CYB5R4 | enzyme | 0.0189 | turquoise | CD36,GCLC,HMOX1,HSPA5,XBP1 |
| CD209 | other | 0.0189 | turquoise | CCL3,CD80,CD86,PTGS2,TNF |
| SRSF3 | other | 0.0189 | turquoise | CXCL8,E2F7,HIPK2,PDCD4,VEGFA |
| SMAD4 | transcription regulator | 0.0189 | turquoise | AIM2,APOA2,CAB39,CCND2,CDC42EP3,CITED2,COCH,CYB561,DAPK1,GADD45A,HMOX1,HRH2,ID2,IER3,IL1B,ITGB1,ITGB7,MDM2,NAMPT,PILRA,PTGS2,PTPRK,RASSF1,RUNX2,RUNX3,SELPLG,SKIL,SLC25A4,SMAD3,TBX21,TGFB2,TIMP1,TIMP3,TNF,VEGFA,VIM |
| CSF3R | transmembrane receptor | 0.0189 | turquoise | CD14,CSF3R,GFI1,ITGAM,LYZ |
| CXCL2 | cytokine | 0.0189 | turquoise | CCL5,CXCL2,IL1B,ITGAM,TNF |
| LGALS9 | other | 0.0189 | turquoise | CXCR4,FCGR3A/FCGR3B,HAVCR2,IL1B,TNF |
| KLK5 | peptidase | 0.0189 | turquoise | CXCL2,IL1B,S100A8,S100A9,TNF |
| pomalidomide | chemical drug | 0.0189 | turquoise | BCL11A,CCL3,CDKN2C,CEBPB,IRF4 |
| isopentenyl diphosphate | chemical - endogenous mammalian | 0.0189 | turquoise | CCL3,CCR1,FCGR3A/FCGR3B,TNF,VDR |
| zearalenone | chemical toxicant | 0.0189 | turquoise | ESR1,ESR2,IL1B,TLR4,TNF |
| TGAL copolymer | chemical drug | 0.0189 | turquoise | CCL5,CXCL8,IL1B,IL1RN,TNF |
| caffeic acid | chemical drug | 0.0189 | turquoise | AHR,CXCL8,PTGS2,TLR4,TNF |
| diacylglycerol | chemical - endogenous mammalian | 0.0189 | turquoise | CD36,PRKCB,PRKCD,PRKCE,RASGRP1 |
| cobalt | chemical toxicant | 0.0189 | turquoise | ESR1,LDHA,PFKFB3,PGK1,TNF |
| RUNX2 | transcription regulator | 0.019 | turquoise | ABCB1,BIRC5,CEBPA,CEBPD,CIITA,CREB3,CXCL8,GFI1,GNAS,ITGAL,LGALS3,MKI67,MYH11,PTK2,RUNX2,SELPLG,SGPP1,SVIL,TCF7,TIMP1,VEGFA |
| TLR3 | transmembrane receptor | 0.019 | turquoise | AIM2,BAK1,CCL3,CCL5,CD38,CD69,CD70,CD80,CD86,CFLAR,CXCL2,CXCL8,FAS,FURIN,GBP4,HMOX1,IER3,IL1B,IL1RN,LIX1,LMNB1,N4BP1,PFKFB3,PTGS2,S100A8,SPRY1,TIMP1,TLR4,TNF,TNFRSF1B,TP63,TREM1,TREML2,TRIM38,ZBTB32 |
| EIF2AK2 | kinase | 0.0192 | turquoise | ARG1,BIRC5,BRIP1,CEBPB,CEBPD,CFLAR,CXCL8,EGOT,FAS,GABBR1,IL1B,IRS2,PSMB10,REC8,SAMHD1,TNF,ZNF532 |
| AG490 | chemical - kinase inhibitor | 0.0192 | turquoise | BIRC3,BIRC5,CCL5,CXCL8,ESR1,ESR2,IL1B,IL7,LY96,MCL1,MYH11,PTGS2,PTTG1,S100A10,TIMP1,TNF,VEGFA |
| N-cor | group | 0.0193 | turquoise | ACSL1,ARNTL,CCL5,CCR1,CD36,CR2,CXCL2,ELOVL5,ESR1,FZD1,HBEGF,IL1B,MGA,PLIN2,PTGS2,RAB20,SLC44A1,TRERF1,XYLT1 |
| TFAP2A | transcription regulator | 0.0193 | turquoise | ANXA1,BIRC3,BIRC5,CEBPA,CXCL2,ESR1,MT2A,PAG1,PLA2G16,PLAUR,PODXL,PRDX1,PSAP,RBL2,RPL7,RPLP0,STX7,TIMP1,VEGFA |
| pyrrolidine dithiocarbamate | chemical reagent | 0.0193 | turquoise | ANXA1,BIRC3,CCL5,CD80,CXCL2,CXCL8,CXCR4,GCLC,GZMB,HMOX1,IL1B,PGK1,PRF1,PTGS2,SAMSN1,TLR2,TLR4,TNF,VEGFA |
| L-tryptophan | chemical - endogenous mammalian | 0.0195 | turquoise | CD80,CXCL8,LILRB2,S100A6,SLC1A4,TNF |
| resolvin D2 | chemical - endogenous mammalian | 0.0195 | turquoise | CXCL8,HMOX1,IL1B,LY96,TLR4,TNF |
| miR-23a-3p (and other miRNAs w/seed UCACAUU) | mature microRNA | 0.0195 | turquoise | FBXO32,GATD3A/GATD3B,IL6R,LMNB1,MDH2,SMAD3 |
| miR-486-5p (and other miRNAs w/seed CCUGUAC) | mature microRNA | 0.0195 | turquoise | ADARB1,AFF3,ARID4B,FOXO1,FOXP1,RFFL |
| HRG | other | 0.0195 | turquoise | CD74,CXCR4,FCGR3A/FCGR3B,ITGAX,TIMP1,TIMP3 |
| 2-mercaptoacetate | chemical - endogenous non-mammalian | 0.0195 | turquoise | ANXA2,CXCL2,ENO1,IL1B,S100A10,TREML2 |
| PD 153035 | chemical drug | 0.0195 | turquoise | CXCL8,HSPA5,MCL1,PTGS2,VEGFA,XBP1 |
| BSCL2 | other | 0.0196 | turquoise | ACSL1,CD36,CD74,CEBPA,CFD,CYFIP2,GRIA1,HMGA1,IER3,MGLL,PPARGC1B,PTGS2,TIMP1 |
| DOCK8 | other | 0.0196 | turquoise | BBX,CCND2,CD70,CITED2,FGL2,IL15RA,IRGM,PLA1A,PTGS2,REL,SH3BP5,SLCO3A1,TNF |
| NR1H4 | ligand-dependent nuclear receptor | 0.0196 | turquoise | ABCB4,ABCC4,ABHD5,BAK1,CEBPA,CEBPB,FABP5,FAS,GPX1,HSPA5,IL1B,ITGAM,LDHA,NR3C1,PGAM1,PGM1,PPARGC1B,PTGS2,RXRA,SDHA,SLC51B,TIMP1,TIMP2,TNF,TPI1,TXNIP |
| CCR2 | G-protein coupled receptor | 0.0196 | turquoise | ARG1,CCL5,CCR1,CD163,CD86,CXCL2,CXCR4,IL1B,ITGAL,TGFB2,TIMP1,TIMP2,TNF |
| U73122 | chemical reagent | 0.0196 | turquoise | CCND2,CRH,E2F2,HSPA5,ITGAM,PLCB1,PTGS2,TLR4,TNF,XBP1 |
| WNT3A | cytokine | 0.0198 | turquoise | AHR,ARHGAP18,ATP1B1,BCL9L,CAMK4,CCND2,CD300A,CEBPA,CEBPB,CEMIP2,CFD,CLEC11A,FZD1,IKZF2,IRS2,KCTD12,MEF2C,MMD,MT1X,NEK6,PMEPA1,PRDM1,PRICKLE1,PTGS2,RFLNB,RHOU,RUNX2,SPRY1,TCF7,TCL1A,TGFB2,TIMP3,TNF,TUBB3,TXNIP,VEGFA,VIM,WNT7B,XBP1 |
| fenofibrate | chemical drug | 0.0198 | turquoise | ABCB4,ACAA2,ACSL1,APOA2,ATP11A,CD200,CD36,CEBPB,CHEK1,CSF1R,CXCL8,DBI,EIF3E,FBXO32,GADD45A,GAPDH,GLUL,GOT2,GYG1,HMOX1,HSPA5,ID2,IRF8,LDHB,LDLR,MAN1A1,MGLL,NR3C1,PTAFR,PTGS2,RORA,SOD1,SUCLG1,THRB,TIAM1,TIMP1,TNF,TXNIP,VPS29 |
| mir-27 | microRNA | 0.0199 | turquoise | ABCB1,BIRC5,BMPR1A,ESR1,FBXW7,FLT1,IL1B,PSAP,PTGS2,TNF,ZBTB10 |
| N-acetylmuramyl-L-alanyl-D-isoglutamine | chemical - endogenous non-mammalian | 0.0199 | turquoise | CCL3,CD200,CD80,CD86,CXCL2,CXCL8,IL1B,ITGAV,PTGS2,TNF,TREM1 |
| Ins1 | other | 0.0201 | turquoise | ALAS1,ARF1,ASGR2,ATP1A1,CCL5,CEBPA,CEBPB,CEBPD,CFD,COL18A1,COX7A2,DYNLL1,GAPDH,GATA3,IDE,IGFBP4,IL1B,IRS2,LDHA,LDHB,LDLR,MAPK1,MIF,NDUFS4,PLIN2,PPIB,PRKCB,PTGS2,RBL2,RRM2,RUNX2,RXRA,SDHB,SOCS2,TBX21,TIMP1,TIMP2,TIMP3,TNF,TSHR,UQCRC1,VAMP5,VEGFA,VIM |
| PARP1 | enzyme | 0.0201 | turquoise | CCL5,FAS,FKBP5,GBP4,HMOX1,IL18BP,IL1B,IRGM,ITGAL,ITPR1,MDM2,PEG10,PLA1A,PTGS2,SDK1,SH3BP2,SOCS2,TIMP2,TLR4,TNF |
| GNAQ | enzyme | 0.0201 | turquoise | ABCB1,ARG1,BNIP3L,CITED2,CXCL8,GADD45A,GNAQ,HIGD1A,IL1RN,MGST1,NFIL3,PLAUR,PLCB1,PRKCD,PRKCE,PTGS2,SH3BP5,SLC8A1,TGFB2,VEGFA |
| GNA15 | enzyme | 0.0201 | turquoise | ADARB1,ARG1,CD69,CDS1,CEBPD,CXCL2,CXCL8,FXYD5,GADD45A,GLUL,HMOX1,IL1RN,LGALS3,MGST1,MGST2,MYH11,PAWR,PTGS2,TIMP1,VCAN |
| DMD | other | 0.0204 | turquoise | ABI2,ACTG1,APLP2,ARHGAP20,CAPN3,CLIP4,CNKSR1,CYFIP2,DDX50,FBXO32,GATM,HERC1,HSPA8,KCNN3,LRCH1,LYZ,MAP3K9,MAP7,MEF2C,MSI2,OBSCN,PKM,PSTPIP2,S100A10,SERPINA1,SH3GLB1,SLC9A7,ST3GAL6,TNRC6B,TPI1,TRIM44,UTRN,VIM,XK |
| ANXA2 | other | 0.021 | turquoise | ANG,FAS,GADD45A,MDM2,PTGS2,S100A10,TNF,TP53I3 |
| ZBTB7B | transcription regulator | 0.021 | turquoise | AHR,CD4,CD8A,GATA3,IL2RB,PRF1,RUNX3,TNF |
| 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine | chemical toxicant | 0.0217 | turquoise | ADGRE1,AIF1,CCL5,CDK5,CNR1,HMOX1,IDH2,IL1B,ITGAM,PAWR,PTGS2,TLR4,TNF,TNFRSF1B |
| flutamide | chemical drug | 0.0217 | turquoise | AQP9,CRH,CXCL2,CYP1B1,ESR1,ESR2,GSTM1,MKI67,NR3C1,SERPINA5,SLCO3A1,TNF,TUBB3,VIM |
| ANGPT2 | growth factor | 0.0219 | turquoise | ADA,CCL5,CEBPB,CRH,EEF1B2,EIF1,FAS,FKBP2,HMOX1,HSPA5,IL1B,KIF1C,KPNA2,LYN,MGST1,MIF,P4HB,PDCD4,PDIA5,PDIA6,PTGS2,RDH10,SOD1,SRXN1,STK17A,TGFBR2,TNIK,TUBB3,TXNIP,VIM,YIPF5 |
| roscovitine | chemical drug | 0.0224 | turquoise | BIRC5,CD63,CDK5,CEBPA,CFLAR,CHEK1,MCL1,MDM2,PCYT1A |
| VEGFB | growth factor | 0.0224 | turquoise | BAK1,BID,BIK,GPX1,PRDX1,PRDX5,SLC27A3,SOD1,TNF |
| MAP3K14 | kinase | 0.0224 | turquoise | BIRC3,CCL5,CFLAR,CXCL2,CXCL8,FAS,GADD45A,ICOSLG/LOC102723996,IL7R,PTGS2,REL,TNF,XBP1 |
| F7 | peptidase | 0.0224 | turquoise | CXCL2,CXCL8,GADD45A,HBEGF,IL1B,PAPOLA,PLAUR,PTGS2,VEGFA |
| IFNA4 | cytokine | 0.0224 | turquoise | ATP2B4,CD69,CD86,JAML,PMEPA1,RARRES3,SLCO3A1,STAT4,TREML2 |
| GNB1 | enzyme | 0.0224 | turquoise | AHR,CD80,FOSL2,IER3,IL1B,MAFB,MXI1,MYH11,PRDM1 |
| ITGB3 | transmembrane receptor | 0.0224 | turquoise | APLP2,CD36,HSP90B1,IL1B,ITGAV,LDLR,LIMS1,PLAUR,PTGS2,RUNX2,SMAD3,TGFBR2,TIMP1 |
| ouabain | chemical drug | 0.0224 | turquoise | ABCB1,ANXA5,ATP1A1,FLT1,HSPA5,HSPA8,HSPA9,MAPK1,VIM |
| PTGS2 | enzyme | 0.0228 | turquoise | ANG,ANXA1,ANXA2,BIRC3,CCL5,CD163,CDK5,CDKN2C,CXCL8,CXCR4,CYP1B1,DYNLL1,FLT1,GRIA1,IL1B,ITGAL,ITGAV,MCL1,MKI67,PPA1,PTGS2,RPS3A,RUNX2,TNF,VEGFA |
| EGLN | group | 0.023 | turquoise | BBX,BCKDK,BCL11B,DHX40,FAM117B,FOSL2,GAPDH,GATA3,GPI,HLA-B,IFI27L1,IKBIP,LDHA,MIF,PAM,PGAM1,PGK1,PGM1,RAB20,RNASE4,RRAGD,S100A9,SLC16A3,TPI1,VEGFA,ZNF511 |
| EP400 | other | 0.0231 | turquoise | CCNA2,CDC6,CDCA3,E2F2,E2F7,H2AFZ,MCM4,RASSF1,TBX21,UHRF1 |
| CD14 | transmembrane receptor | 0.0231 | turquoise | CCL3,CCL5,CXCL2,CXCL8,IL13RA1,IL1B,ITGB1,PTGS2,TLR2,TNF |
| SAHM1 | chemical reagent | 0.0231 | turquoise | ABLIM1,CD300A,CR2,DOCK5,DTX1,ELMO1,FLNA,PFKFB3,RHOU,VARS |
| brefeldin A | chemical - endogenous non-mammalian | 0.0232 | turquoise | CEBPB,COX5B,GRIA1,HLA-B,HMOX1,HSPA5,HSPA9,PTGS2,TFDP1,TIMP1,TNF |
| salicylic acid | chemical drug | 0.0232 | turquoise | CCL3,CFLAR,CXCL8,EIF3A,FCER2,FKBP5,IL1B,MCL1,PTGS2,TLR4,TNF |
| nitroglycerin | chemical drug | 0.0233 | turquoise | CXCL8,FLT1,HMOX1,PLAUR |
| resatorvid | chemical drug | 0.0233 | turquoise | APOBEC3B,CXCL8,IL1B,TNF |
| T 0070907 | chemical reagent | 0.0233 | turquoise | CEBPA,HMOX1,PTGS2,TNF |
| TRIM38 | other | 0.0233 | turquoise | CCL5,CXCL8,IL1B,TNF |
| DANCR | other | 0.0233 | turquoise | RUNX2,TIMP2,TIMP3,VIM |
| TXK | kinase | 0.0233 | turquoise | IL2RB,TBX21,TNF,ZBTB16 |
| ADCY7 | enzyme | 0.0233 | turquoise | IRAK1,IRAK2,TLR4,TNF |
| MST1 | growth factor | 0.0233 | turquoise | BIRC5,FAS,IL1RN,IRF8,PTGS2,PTK2,TNF |
| ITGA4 | transmembrane receptor | 0.0233 | turquoise | IL1B,IL1RN,ITGAV,TNF |
| APOH | transporter | 0.0233 | turquoise | CD36,CD80,CD86,TNF |
| NCF4 | enzyme | 0.0233 | turquoise | CCR1,IL1B,ST3GAL6,TNF |
| CTSB | peptidase | 0.0233 | turquoise | ARG1,CDK4,CXCL2,IL1B,PLAUR,TNF,VEGFA |
| PIM3 | kinase | 0.0233 | turquoise | IL1B,STAT4,TBX21,TNF |
| DOK1 | kinase | 0.0233 | turquoise | CD69,STAT4,TBX21,TNF |
| CNR2 | G-protein coupled receptor | 0.0233 | turquoise | CXCL8,IL1B,ITGAL,TNF |
| DEFB103A/DEFB103B | other | 0.0233 | turquoise | BID,CD80,CD86,PTGS2 |
| MAP3K11 | kinase | 0.0233 | turquoise | BIRC5,CXCL8,MAP3K9,SH3RF1 |
| cantharidin | chemical drug | 0.0233 | turquoise | BAG3,MCL1,RXRA,TNF |
| edaravone | chemical drug | 0.0233 | turquoise | FAS,HSPA5,PTGS2,TNF |
| hydroquinone | chemical - endogenous mammalian | 0.0233 | turquoise | GCLC,HMOX1,IL1B,TNF |
| clodronic acid | chemical drug | 0.0233 | turquoise | ARG1,CD36,CD80,CD86,HMOX1,IL1B,TNF |
| gossypol | chemical drug | 0.0233 | turquoise | CXCL8,MCL1,NCOA3,SAT1 |
| bardoxolone methyl | chemical drug | 0.0233 | turquoise | BIRC3,BIRC5,CFLAR,HMOX1,IL1B,PTGS2,TNF |
| allopregnanolone | chemical - endogenous mammalian | 0.0233 | turquoise | CRH,LGALS3,PTGS2,TNF |
| HDAC3 | transcription regulator | 0.0238 | turquoise | ALOX5,BIRC3,CD36,CD55,CXCL2,CXCL8,DANCR,E2F2,ELOVL5,FCER2,HMOX1,PLIN2,PRDM1,PTGS2,SMARCA2,TNF,VIM |
| LEPR | transmembrane receptor | 0.0249 | turquoise | ABCG1,ADGRE1,ANXA5,APOA2,BTG1,CD63,CNR1,DNAJC7,EIF3A,FYB1,H2AFV,ID2,IL18BP,IL1RN,IRS2,ITGAM,LDLR,LGMN,NFATC3,SMARCD3,SOCS2,STUB1,TGFBR2,TIMP1,TIMP3,TNF |
| PAX3 | transcription regulator | 0.025 | turquoise | ANXA1,ATP2B4,CDC6,CNR1,CST3,CTSA,CXCR4,CYP1B1,ECPAS,EXOSC9,EYA2,FGF9,FILIP1L,FKBP1A,GLDC,HNRNPA3,ID2,IL6R,IL7R,MDM2,PCDHGC3,PHGDH,PPIB,PTPN12,PTPN14,RAB31,RUNX3,SRGN,TGFB2,TIMP3,TRIM14,VCAN,YWHAE |
| leukotriene B4 | chemical - endogenous mammalian | 0.0251 | turquoise | CRH,CXCL2,CXCL8,IL1B,ITGAM,TNF |
| IL36B | cytokine | 0.0251 | turquoise | CD1A,CD80,CD86,CXCL8,IL1B,TNF |
| MAPK13 | kinase | 0.0251 | turquoise | CITED2,IL1B,PRDX1,TNF,VDR,VEGFA |
| mir-486 | microRNA | 0.0251 | turquoise | ADARB1,AFF3,ARID4B,FOXO1,FOXP1,RFFL |
| PPIF | enzyme | 0.0251 | turquoise | BMP6,CCL5,CCR1,CITED2,CMTM6,COPS8,CSRP1,CX3CR1,CXCL2,CXCR3,CXCR4,IL16,MCM6,PIF1,TNF,ZCCHC18 |
| CISH | other | 0.0251 | turquoise | BACH2,CSF3R,PRDM1,PRF1,TBX21,TNF |
| W7 | chemical reagent | 0.0251 | turquoise | BIRC3,CD14,CD80,CD86,CXCL8,DUSP4 |
| MAPK1 | kinase | 0.0254 | turquoise | ATP1B1,AURKA,BCL11A,BIRC5,CAPN2,CAV1,CCL5,CD69,COX17,CPPED1,CSTA,CXCL8,EHD1,ESR1,FOSL2,GATA3,GMNN,H2AFV,HLA-B,HLA-DMA,HMOX1,HRASLS2,IGFBP7,IL1B,IL1RN,ITGAV,LGALS1,LGALS3,MCL1,MKI67,MNS1,NKG7,NT5E,OLFML2A,OSBPL3,PSME2,PTGS2,PTPRK,QKI,SAMHD1,SECTM1,SETD2,SHCBP1,SOCS2,TBX21,TNF,TNFRSF1B,TRIM14,TRIM38,UBE2C,VDR,VIM,ZNF318 |
| 3'-O-(4-benzoyl)benzoyladenosine 5'-triphosphate | chemical reagent | 0.0255 | turquoise | IL1B,PTGS2,TNF |
| (R)-limonene | chemical toxicant | 0.0255 | turquoise | CD69,IL1B,TNF |
| PI3Kγ | group | 0.0255 | turquoise | IL1B,TLR4,TNF |
| 5R-hydroxytriptolide | chemical drug | 0.0255 | turquoise | CD14,LY96,TLR4 |
| Tlr13 | other | 0.0255 | turquoise | CXCL8,IL1B,TNF |
| urotensin II | biologic drug | 0.0255 | turquoise | ALOX5,CXCL8,SMAD3 |
| AZD8055 | chemical drug | 0.0255 | turquoise | CCL5,MCL1,TNF |
| vaccenic acid | chemical - endogenous mammalian | 0.0255 | turquoise | IL1B,PLIN2,TNF |
| CSE1L | transporter | 0.0255 | turquoise | RASSF1,RRM2B,TP53I3 |
| CXCL5 | cytokine | 0.0255 | turquoise | ITGAL,ITGAM,TNF |
| KHSRP | enzyme | 0.0255 | turquoise | IL1B,LDLR,RPL3 |
| entolimod | biologic drug | 0.0255 | turquoise | CXCL2,HMOX1,IL1B |
| miR-219a-5p (and other miRNAs w/seed GAUUGUC) | mature microRNA | 0.0255 | turquoise | ALOX5,CD14,TNFRSF1B |
| TP53RK | kinase | 0.0255 | turquoise | CDKN2C,PSMA3,PSMB7 |
| CTSE | peptidase | 0.0255 | turquoise | CD80,CD86,IL1B |
| DNAJA3 | other | 0.0255 | turquoise | CXCL8,STAT5B,VEGFA |
| LY9 | other | 0.0255 | turquoise | CD19,CR2,ZBTB16 |
| IL18RAP | transmembrane receptor | 0.0255 | turquoise | CXCL8,IL32,PTGS2 |
| PSMD4 | other | 0.0255 | turquoise | CD14,CD36,CD69 |
| IL18BP | other | 0.0255 | turquoise | CXCL8,TNF,VEGFA |
| UXT | transcription regulator | 0.0255 | turquoise | BRIP1,CCNA2,CDC6,CHEK1,CXCL8,FKBP5,PMEPA1,SEC24D |
| glaucocalyxin A | chemical - endogenous non-mammalian | 0.0255 | turquoise | IL1B,PTGS2,TNF |
| CAPNS1 | peptidase | 0.0255 | turquoise | CAPN2,CCND2,PIK3CA |
| ABCB7 | transporter | 0.0255 | turquoise | FECH,TFRC,TXN |
| CXCL16 | cytokine | 0.0255 | turquoise | CD38,CXCL8,TNF |
| IL27RA | transmembrane receptor | 0.0255 | turquoise | CD69,CD80,CD86,FAS,IL1B,PRDM1,TBX21,TNF |
| Immunoglobulin Lambda Light Chain | group | 0.0255 | turquoise | ERN1,HSPA5,XBP1 |
| perifosine | chemical drug | 0.0255 | turquoise | BAK1,CFLAR,MCL1 |
| coumestrol | chemical toxicant | 0.0255 | turquoise | ESR2,HSP90AB1,HSP90B1 |
| propyl gallate | chemical toxicant | 0.0255 | turquoise | CXCL8,PTGS2,TNF |
| [Ac-His1,D-Phe2,Lys15,Arg16,Leu27]VIP-(3-7)-GRF-(8-27) | chemical reagent | 0.0255 | turquoise | CD80,CD86,CREBBP |
| murabutide | chemical reagent | 0.0255 | turquoise | CD80,CD86,CEBPB |
| ingenol mebutate | chemical drug | 0.0255 | turquoise | PRKCB,PRKCD,PRKCE |
| 3',4',7-trihydroxyisoflavone | chemical - endogenous non-mammalian | 0.0255 | turquoise | CDK4,ESR1,ESR2 |
| vinpocetine | chemical drug | 0.0255 | turquoise | CXCL8,IL1B,TNF |
| Cr6+ | chemical reagent | 0.0255 | turquoise | MT2A,SLC30A1,VEGFA |
| PURA | transcription regulator | 0.0257 | turquoise | CDK5,ITGAL,ITGAM,ITGAX,SPN |
| miR-128-3p (and other miRNAs w/seed CACAGUG) | mature microRNA | 0.0257 | turquoise | AFF1,DBI,LDLR,TXNIP,WEE1 |
| NT5E | phosphatase | 0.0257 | turquoise | IL13RA1,IL1B,MKI67,TIMP1,TNF |
| CREB3 | transcription regulator | 0.0257 | turquoise | ANXA1,CANX,HSPA5,MBTPS2,XBP1 |
| IL1RL1 | transmembrane receptor | 0.0257 | turquoise | CXCL8,ITGAM,PAWR,TLR4,TNF |
| C5 | other | 0.0257 | turquoise | C5AR1,CXCL2,IL1B,ITGB1,TNF |
| clenbuterol | chemical drug | 0.0257 | turquoise | FBXO32,IL1B,IL1RN,SLC16A1,VDR |
| N-carbobenzyloxy-leucine-leucine-norvalinal | chemical - protease inhibitor | 0.0257 | turquoise | CFLAR,CXCL8,MCL1,RARG,RXRA |
| chitin | chemical - endogenous non-mammalian | 0.0257 | turquoise | ARG1,CCL5,IL1B,TLR4,TNF |
| peroxynitrite | chemical toxicant | 0.0257 | turquoise | CXCL8,LYN,MARCKSL1,PTGS2,TNF |
| PPARGC1A | transcription regulator | 0.0259 | turquoise | ALAS1,ATP5F1A,ATP5F1B,ATP5PD,CALM1 (includes others),CD36,CEBPB,CEBPD,COX5A,COX5B,COX6C,COX7B,FBXO32,GOT2,GPX1,IL1RN,IRS2,LDHA,LDLR,MCM4,MCM6,MDH2,PGAM1,PLIN2,PPARGC1B,PRDX3,PRDX5,PTGS2,RUNX2,RXRA,SCO2,SDHA,SOD1,TNF,TXN2,UQCRH,VEGFA |
| PML | transcription regulator | 0.0261 | turquoise | ACSM1,ACTG1,BIRC5,CACYBP,CFL1,CIITA,FAS,GADD45A,HLA-DMB,HMOX1,ID2,IL1B,LDLR,LYZ,MAPK1,MCM6,NR3C1,PRDX1,RRAS2,RXRA,TXN,TXN2,VIM |
| CUX1 | transcription regulator | 0.0262 | turquoise | ARHGAP32,CCL5,CCNA2,ECT2,FLNA,HLA-B,LILRB3,MARCKS,PTK2,RACGAP1,VIM,WNT10A |
| gemcitabine | chemical drug | 0.0262 | turquoise | AQP3,BIRC5,CXCR4,FAS,HMOX1,IL1B,IL32,PEBP1,PKM,PTGS2,VEGFA,VMP1 |
| mir-122 | microRNA | 0.0264 | turquoise | ALDOA,BCL2L2,CACYBP,CSRP1,CUX1,FKBP1A,FOSL2,LAMC1,MAP4,MTHFD2,PKM,PTPN14,PXN,SERPINB6,VAV3,VIM,WARS |
| IL23 | complex | 0.0266 | turquoise | AHR,CXCL8,HSPA5,IRF4,RORA,TBX21,TLR2,TLR4,TNF |
| PTGS1 | enzyme | 0.0266 | turquoise | ARG1,CEBPB,GZMH,IL1B,JCHAIN,NUP133,PTGS2,TNF,VEGFA |
| PTPRC | phosphatase | 0.0266 | turquoise | CCL5,CCND2,CCR1,CXCR3,IGHM,IL1B,IL7,MCL1,TNF |
| IFNLR1 | transmembrane receptor | 0.0266 | turquoise | CCL5,CLEC4D,CXCL2,IL1B,ITGAV,PTGS2,TLR2,TNF,TNFAIP2 |
| platelet activating factor | chemical - endogenous mammalian | 0.0268 | turquoise | CD69,ITGAM,PLAUR,PTAFR,PTGS2,SELPLG,TIMP1,TIMP2,TNF,VEGFA,VIM |
| deoxycholate | chemical - endogenous mammalian | 0.0268 | turquoise | CAV1,CFLAR,CXCL8,GLUL,HSPA5,LDLR,MCL1,PLAUR,PTGS2,TNF,TP63 |
| EBI3 | cytokine | 0.0268 | turquoise | CCND2,CD80,CD86,CDK4,CIITA,HAVCR2,HLA-B,HLA-DMA,HLA-DMB,HLA-DOB,TBX21 |
| chloroquine | chemical drug | 0.0268 | turquoise | ATP1A1,CCL5,CD69,CD86,CXCL8,FOXO1,IL1B,NT5E,STAT4,TNF,TXN |
| inosine | chemical - endogenous mammalian | 0.0269 | turquoise | AIF1,ANXA1,ANXA2,ANXA5,ARPC1B,CD63,CFD,TIMP1,TNF,VIM |
| MTORC1 | complex | 0.0269 | turquoise | AHR,IDI1,LDHA,NFE2L1,NFIL3,PKM,PRF1,PTGS2,TNF,UCHL1 |
| HOXA3 | transcription regulator | 0.0269 | turquoise | ALOX5,ANXA2,CEBPB,EVI2A,ITGAV,ITGB1,PLEK,PLXND1,PRKCD,TNFRSF1B |
| APOA1 | transporter | 0.0269 | turquoise | APOA2,CAV1,HSPA5,IL1B,ITGAM,PCYT1A,PTGS2,TLR2,TLR4,TNF |
| niacinamide | chemical - endogenous mammalian | 0.0269 | turquoise | AGTRAP,CD14,CXCL8,GAPDH,H2AFZ,ITGAM,MCL1,PTGS2,RUNX3,TNF |
| BRCA1 | transcription regulator | 0.0271 | turquoise | BAK1,BIRC5,CCL5,COL18A1,CYP1B1,ESR1,FAS,FKBP5,FOXO1,GADD45A,HMOX1,MDM2,NR3C1,PERP,RBL2,RRM2B,SAT1,SMAD3,STAT5B,TNF,TNFAIP2,TP53I3,TP63,VCAN,VEGFA,VIM,WEE1,XRCC6 |
| 10E,12Z-octadecadienoic acid | chemical - endogenous mammalian | 0.0277 | turquoise | CAV1,CD36,CEBPA,CREB5,CXCL8,IL1B,IL1RN,LDLR,NAMPT,NOTCH4,PLIN2,PTGS2,TNF,XBP1 |
| AMPK | complex | 0.0285 | turquoise | BIRC5,CCND2,CIITA,CXCL8,DUSP4,FBXO32,GSTK1,HMOX1,IL1RN,LDHB,LITAF,PFKFB3,PTGS2,RUNX2,SDHA,SOD1,TNF,VEGFA,VIM |
| arsenite | chemical toxicant | 0.0285 | turquoise | ABCB1,AHR,ARL6IP5,CAV1,CXCL8,CYP1B1,FZD1,GADD45A,GCLC,HMOX1,HSPA9,IER3,MCL1,MDM2,PLCB1,PTGS2,RNH1,TGFB2,VEGFA |
| RNASEL | enzyme | 0.0287 | turquoise | CTNND1,IL1B,NR3C1,PCDH9,PTGS2,TIAM1,TNF |
| RPSA | translation regulator | 0.0287 | turquoise | CCL5,GBP4,IL1B,PTGS2,REL,TLR4,TNF |
| rosuvastatin | chemical drug | 0.0287 | turquoise | CYP51A1,HMOX1,IDI1,LDLR,NAB1,PMVK,TNF |
| vitamin K3 | chemical drug | 0.0287 | turquoise | BID,BMP6,CFLAR,FAS,HMOX1,HSPA5,NAMPT |
| stearic acid | chemical - endogenous mammalian | 0.0287 | turquoise | BAK1,IL1B,MCL1,PLIN2,PPARGC1B,PTGS2,TNF |
| enterotoxin B | biologic drug | 0.0288 | turquoise | BNIP3L,CCL5,CD69,CD80,CSF2RB,CXCL2,CXCR4,DCAF12,IL1B,SLC25A37,SRXN1,TNF,UCHL1 |
| Rb | group | 0.0288 | turquoise | BIRC5,CCNA2,CDC6,CDT1,E2F2,ECT2,EED,EZH2,GMNN,PA2G4,PCYT1A,TOP2A,TYMS |
| PDX1 | transcription regulator | 0.0291 | turquoise | ACTG1,ANXA2,ATP5PD,ATP5PF,CAMK2N1,CRELD2,CROT,CXCL2,CXCR4,DUSP6,ERO1A,ERO1B,FFAR1,GNAS,GUSB,HSPA5,ID2,IER3,IL1B,IRS2,KLF10,MAN1A1,PDIA4,PDIA6,PHGDH,SDHA,SSBP3,TGFBR3,TXNIP |
| eicosapentenoic acid | chemical drug | 0.0293 | turquoise | CD36,CD80,CD86,CEBPB,CEBPD,CSF1R,HMOX1,IL1B,LDLR,PLIN2,PSMB3,PSMC2,PTGS2,TGFB2,TGFBR2,TNF,TNFRSF1B |
| NKX2-3 | transcription regulator | 0.0302 | turquoise | AGAP3,ANLN,APOBEC3G,BTG1,CD36,CD38,CENPW,CEP55,CXCL8,DANCR,EIF4B,FAM198B,GIMAP7,HLA-B,HMMR,IL18BP,IL7R,LGMN,MYH11,NETO2,NR2F1,PAWR,PHGDH,PLA1A,PLCB1,PSAT1,PTGS2,PTPRE,RPL23,SEMA3A,SYT11,TTC3,TYMP,UACA |
| mir-25 | microRNA | 0.0305 | turquoise | E2F2,ESR2,FBXW7,GADD45A,MCL1,MDM2,TNF,TP63 |
| miR-16-5p (and other miRNAs w/seed AGCAGCA) | mature microRNA | 0.0305 | turquoise | ANLN,BCL2L2,CADM1,CCND2,CDC14B,CHEK1,FNDC3B,HMGA1,HMOX1,HSP90B1,KCNN4,LAMC1,LYPLA2,MCL1,MGAT4A,MRPL20,MYB,NAA15,PDCD4,PSAT1,PTGS2,RAB30,RTN4,SEC24A,SLC16A3,SLC38A1,SRPRB,TPI1,TXN2,VEGFA,VTI1B,WEE1,ZYX |
| zoledronic acid | chemical drug | 0.0305 | turquoise | BID,CXCL8,CXCR4,FLT1,PTGS2,RUNX2,TNF,VEGFA |
| IL32 | cytokine | 0.0307 | turquoise | CCL3,CD36,CXCL8,FAS,IL1B,IL32,ITGAM,MCL1,PTGS2,TNF,VIM |
| DETA-NONOate | chemical reagent | 0.0307 | turquoise | BIRC3,CAV1,CCL3,CXCL8,FAS,HMOX1,PTGS2,S100A8,TIMP1,TNF,TXNIP |
| chromium | chemical drug | 0.0307 | turquoise | AGTPBP1,C14orf119,CDK2AP2,CXCL8,ESR1,GCLC,PGD,SLC1A4,TNFAIP2,UBL7,ZWINT |
| NCOA3 | transcription regulator | 0.031 | turquoise | AHR,CCNA2,CDC6,CEBPA,HMOX1,LDHA,MAPK1,MYH11,NCOA3,PGK1,PLIN2,PSMA2,PTGS2,SLC16A3 |
| PPP3CA | phosphatase | 0.031 | turquoise | CDK4,CSRP1,LITAF,MAGT1,MGST1,NFATC3,POU2AF1,PRDX5,PSAP,PTGS2,RUNX2,S100A4,TNF,VIM |
| okadaic acid | chemical toxicant | 0.031 | turquoise | ANXA1,CCND2,CDK4,CXCL2,CXCL8,CYP1B1,ESR1,FAM89B,FOSL2,IL1B,IL1RN,IL21R,MCL1,PTGS2,RXRA,TNF |
| conjugated linoleic acid | chemical drug | 0.0313 | turquoise | CALCR,CEBPA,CXCL8,CXCR4,FCGR2B,GCLC,IL1RN,PTGS2,TNF |
| RBM5 | other | 0.0313 | turquoise | ANXA1,ATP5MC3,BIRC3,CD69,IL32,MCL1,MYO1B,NCOA3,STAT5B,TNFRSF10C |
| mir-181 | microRNA | 0.0313 | turquoise | CD163,CD69,DUSP6,EZH2,IRF8,MCL1,PBX3,PRKCD,RUNX2,TIMP3 |
| TFEB | transcription regulator | 0.0313 | turquoise | ATP6V0E1,ATP6V1A,CCL5,CTSA,GBA,GNS,IL1B,PSAP,VEGFA |
| KDR | kinase | 0.0313 | turquoise | ANXA2,CD38,CREBBP,HAVCR2,HMOX1,MESD,NDC80,PTGS2,XBP1 |
| CCR5 | G-protein coupled receptor | 0.0313 | turquoise | BID,CCL3,CCL5,CXCL2,FAS,IL1B,SERPINA1,TNF,TNFRSF1B |
| FAM3B | cytokine | 0.0317 | turquoise | CAV1,DAPK2,IER3,IGFBP4,LDHA,LGALS1 |
| oxymatrine | chemical drug | 0.0317 | turquoise | CREBBP,HMOX1,SMAD3,SOD1,TLR4,TNF |
| mir-33 | microRNA | 0.0317 | turquoise | ABCG1,CEBPA,CFD,CROT,FRS2,IRS2 |
| UCN | other | 0.0317 | turquoise | CCL5,GNAS,IL1B,PLA2G6,TLR4,TNF |
| VAV1 | transcription regulator | 0.0317 | turquoise | CCND2,CD69,PTGS2,REL,TNF,VEGFA |
| CD69 | transmembrane receptor | 0.0317 | turquoise | CCL5,CD69,IL1B,S100A9,TGFB2,TNF |
| RNASE1 | enzyme | 0.0317 | turquoise | CCL3,CCL5,FCER2,IL16,IL7,TNF |
| CETP | enzyme | 0.0317 | turquoise | HSPA5,LDLR,P4HB,PDIA4,PLIN2,TNF |
| PIK3CD | kinase | 0.0317 | turquoise | CCL3,CCNA2,CCND2,CXCL8,PRDM1,TNF |
| STAT5B | transcription regulator | 0.032 | turquoise | ABCB1,AHNAK,ARNT,BIRC3,CCND2,CD70,CFLAR,CHEK1,DAPK1,DIP2B,ESR1,ESR2,FAS,FOSL2,GAB3,GADD45A,IL2RB,MCL1,MDH2,MDM2,MTMR11,MZB1,NT5E,NUCB1,PAX5,PCSK5,PMM1,PVT1,RAB30,RABIF,SLC51B,SOCS2,STAMBPL1,STAT5B,TLR2,TNF,TNFRSF25,TOX,WARS |
| Tlr | group | 0.0323 | turquoise | ARG1,CCL3,CCL5,CD80,CD86,CLEC2B,CXCL8,GNAI3,HBEGF,ID2,IL1B,IRF4,PAX5,PTGS2,SEMA3A,TNF,TREM1 |
| benzo(a)pyrene | chemical toxicant | 0.0324 | turquoise | ABCB1,AGTPBP1,AHR,ANXA1,ARL6IP5,BIRC5,BRAF,C14orf119,CDK2AP2,CYP1B1,ECT2,FGF9,FZD1,GCLC,GNAQ,GSTM1,HMOX1,IER3,IL1B,ITPR1,LIMK2,MDM2,PGD,PLCB1,PTGS2,SERPINA1,SLC1A4,TGFB2,TKT,TNFAIP2,UBL7,VEGFA,ZWINT |
| IRS1 | enzyme | 0.0325 | turquoise | ACTR3,ATP5F1A,BMP6,CDKN2C,CEBPA,CEBPB,CEBPD,FBXO32,GATA3,HMOX1,ID2,IGFBP4,IRS2,LDLR,MEF2C,NR2F1,PPARGC1B,RHOU,TGFBI,VEGFA,WNT10A |
| ATM | kinase | 0.0325 | turquoise | CD70,CDK4,CFLAR,CHEK1,CXCL8,FAS,GADD45A,GPHN,HMOX1,HSP90AB1,HSPE1,PSME2,RRM2 |
| PIN1 | enzyme | 0.0325 | turquoise | CXCL8,ESR1,FBXW7,IL1B,MCL1,MDM2,NCAPH,NFE2L1,PTGS2,RUNX3,TIMP1,TNF,TP53I3 |
| SLC13A1 | transporter | 0.0328 | turquoise | ACTG1,ALDH1A1,CD163,CHD3,EDEM1,HLA-DMB,HSPA5,HSPA8,KLF9,MKKS,RPN1,SDF2L1,SLC16A1,TUBA1C,XBP1 |
| PPARD | ligand-dependent nuclear receptor | 0.033 | turquoise | ACAA2,APOA2,AQP3,BIRC5,CCND2,CD36,CDK4,CEBPB,CFAP54,CLEC7A,CYB561A3,FLT1,GOT2,IL1B,LDHA,LDHB,LGALS4,MAPK1,PLIN2,PPARGC1B,PTGS2,RASGRP1,RUNX2,S100A6,SAT1,SCARB2,TBX21,TNF,VEGFA,YWHAE,ZBED5 |
| glycerol | chemical - endogenous mammalian | 0.0332 | turquoise | HMOX1,LDLR,NR3C1,TLR4 |
| teriflunomide | chemical drug | 0.0332 | turquoise | BSG,FAS,IL1B,TNF |
| SYK/ZAP | group | 0.0332 | turquoise | CD69,PTGS2,TIMP1,TNF |
| shikonin | chemical drug | 0.0332 | turquoise | CCL5,CXCL8,TIMP1,TNF |
| Il8r | group | 0.0332 | turquoise | CR2,CXCL8,ITGAM,ITGAX |
| N(2)-(gamma-D-glutamyl)-meso-2,2'-diaminopimelic acid | chemical reagent | 0.0332 | turquoise | CCL3,CCL5,CXCL8,IL1B |
| PRAME | other | 0.0332 | turquoise | DNM2,IL13RA1,S100A4,TOP2A |
| RLN2 | other | 0.0332 | turquoise | CD36,TGFB2,TIMP1,VEGFA |
| LIMA1 | other | 0.0332 | turquoise | ID2,VCAN,VDR,VIM |
| MMP8 | peptidase | 0.0332 | turquoise | CXCL8,NR3C1,PDCD4,S100A8 |
| TIGIT | other | 0.0332 | turquoise | FGL2,GATA3,IRF4,TBX21 |
| HNRNPD | transcription regulator | 0.0332 | turquoise | CR2,FLT1,LDLR,TNF |
| CACNA1A | ion channel | 0.0332 | turquoise | BTG1,IL1B,ITGAM,TNF |
| RGS1 | other | 0.0332 | turquoise | CITED2,CXCL2,IL15RA,IRGM |
| RFX5 | transcription regulator | 0.0332 | turquoise | CD74,CR2,HLA-B,HLA-DMB |
| spermine nitric oxide complex | chemical toxicant | 0.0332 | turquoise | CXCL8,DDX5,HMOX1,S100A10 |
| E64d | chemical - protease inhibitor | 0.0332 | turquoise | CD74,HLA-DMA,ITGAM,ITGB1 |
| CREM | transcription regulator | 0.0335 | turquoise | CAMK4,CCND2,CD86,CD8A,CDK5,CEBPB,CXCL8,CYP51A1,DUSP4,IDI1,IRAK1,IRS2,LDLR,MCL1,MIDN,MNS1,NFIL3,PDXK,PGK1,SLC16A1,SMC4,TNF,TSHR,VEGFA |
| CTNNB1 | transcription regulator | 0.0335 | turquoise | ABCB1,ACTN4,ACTR3,AHR,AKAP13,ALDH1A1,ALG3,ANXA1,APCDD1,ARFGAP3,ATP6V0A1,AURKA,BIRC5,CADM1,CALM1 (includes others),CAPNS1,CAPZB,CCL3,CCNA2,CCND2,CD36,CD4,CD99,CEBPA,CEMIP2,CFD,CNR1,CREG1,CRIP1,CXCL2,CXCL8,CYFIP2,CYP1B1,CYP51A1,DDX17,DDX50,DTX1,EHD1,ELMO1,ESR2,ETV4,EYA2,FAS,FCER1G,FGF9,GATA3,GLUL,HDGF,HSCB,HSPE1,ID2,IGHM,IL1B,IL7,IRF4,IRF8,ITGAL,ITGB1,ITGB7,JCHAIN,LGALS3,LSP1,MAP3K5,MAP4,MCL1,MIR17HG,NRCAM,PCDH9,PIP5K1B,PKD1,PLAUR,PRDM1,PSAP,PTGS2,QPCT,RASSF4,RUNX2,S100A4,S100A8,SCRN1,SEC61A1,SELENOW,SERPINA1,SERPINA5,SLF1,SMS,STAT5B,TBX21,TCF7,TCL1A,TEAD2,TGIF1,TIMP1,TIMP3,TNF,TNIK,TOB2,TP63,VCAN,VEGFA,VIM,WNT7B,ZBTB7A |
| GAS2L3 | other | 0.0337 | turquoise | CCND2,FAS,PTPN14,PVT1,SAT1 |
| CDK5R1 | kinase | 0.0337 | turquoise | CD14,CD63,CXCL8,IL1B,TNF |
| MDM4 | enzyme | 0.0337 | turquoise | HIPK2,LGALS3,MDM2,P4HB,VIM |
| mir-194 | microRNA | 0.0337 | turquoise | GYG1,MDM2,PLAUR,RAP2B,SOCS2 |
| HFE | transmembrane receptor | 0.0337 | turquoise | BMP6,FURIN,HSP90B1,HSPA5,TFRC |
| BIRC2 | enzyme | 0.0337 | turquoise | BIRC3,CCNA2,CXCL8,MAP3K14,TNF |
| TEK | kinase | 0.0337 | turquoise | S100A8,S100A9,TNF,TUBB3,VEGFA |
| TLR1 | transmembrane receptor | 0.0337 | turquoise | CXCL8,IL15RA,IL1B,TNF,VDR |
| magnolol | chemical - endogenous non-mammalian | 0.0337 | turquoise | CLEC11A,CXCL8,PTGS2,TLR4,TNF |
| PIK3CA | kinase | 0.0339 | turquoise | ATP1A1,BIRC5,CD14,CEBPB,CEBPD,EZH2,HSP90AB1,IRS2,ITGAM,ITGB1,TP63,VIM |
| CD247 | transmembrane receptor | 0.0339 | turquoise | ALAS1,ANG,ETFA,FCGR2A,ITPR1,MTHFD2,QPCT,RNF103,RPS17,SSR4,SYT7,TFEC |
| mir-10 | microRNA | 0.0343 | turquoise | AGO2,ALOX5,ARG1,BAK1,BCL2L2,CD80,CD86,IL6R,IRF4,MCL1,PRDM1,PSMD8,PTPN18,RAP2A,TNF,VEGFA |
| indican | chemical - endogenous mammalian | 0.0348 | turquoise | CITED2,CXCR4,GATA3,HMOX1,IL1B,PTGS2,SMAD3 |
| CASP3 | peptidase | 0.0348 | turquoise | BIRC5,CAMK4,CAPN2,IL16,MCL1,RUNX2,TNF |
| SND1 | enzyme | 0.0348 | turquoise | APOBEC3G,CDC6,IGHE,KYNU,NR2F1,PTGS2,QPCT |
| CFLAR | other | 0.0348 | turquoise | BID,CFLAR,CXCL8,GATA3,HMOX1,IL1B,TNF |
| rolipram | chemical drug | 0.0348 | turquoise | CD80,CD86,CXCR4,GRIA1,IL1B,PTGS2,TNF |
| crocidolite asbestos | chemical toxicant | 0.0348 | turquoise | BCAT1,CXCL2,FOSL2,GADD45A,GCLC,PRKCD,ZYX |
| deoxynivalenol | chemical toxicant | 0.0348 | turquoise | CXCL8,DNAJC3,ERN1,HSPA5,IL1B,TNF,XBP1 |
| bufalin | chemical reagent | 0.0348 | turquoise | CBLB,CDK4,HSPA5,MCL1,RPLP0,TIAM1,TYMS |
| OSMR | transmembrane receptor | 0.0351 | turquoise | ADGRE1,BIRC3,BIRC5,CD4,CFLAR,CXCL2,GBP4,IL6R,ITGAX,SERPINA1,TIMP1 |
| pravastatin | chemical drug | 0.0351 | turquoise | CAV1,COTL1,HMOX1,IL1B,LDLR,RHOU,SLC16A7,TLR4,TNF,VEGFA,ZIK1 |
| ETV5 | transcription regulator | 0.0356 | turquoise | AHNAK,CAV1,COL4A3,CXCR4,DPYSL2,FXYD5,ITGB1,LGALS3,LYZ,MID1IP1,MYB,NRCAM,QKI,S100A6,SAMHD1,TIMP3,VEGFA |
| Tnf (family) | group | 0.0357 | turquoise | BIRC3,BIRC5,CCL3,CCL5,CD163,CD4,CD72,CD86,CDK4,CFLAR,CRH,CXCL8,FBXO32,GFI1,IL1B,NT5E,PTGS2,RPS6KA4,RUNX2,TLR2,TNFRSF1B,TYMP |
| RGS10 | other | 0.0361 | turquoise | CCR1,CXCL2,CXCR3,FAS,IL1B,IL2RB,IL5RA,ITGAM,TNF,TNFRSF1B |
| MAPK8 | kinase | 0.0362 | turquoise | ABCB1,ADARB1,B4GALT5,BIRC3,CCL5,CCNA2,CEBPB,CSTA,CXCL8,DUSP4,DUSP6,FOSL2,FOXO1,GADD45A,GSTM1,HMOX1,IL1B,MAP3K9,MIF,PLAUR,PPARGC1B,PTGS2,TBX21,TLR2,TNF,VDR |
| S-nitroso-N-acetylpenicillamine | chemical reagent | 0.0363 | turquoise | CXCL8,FAS,LDLR,MARCKSL1,PTGS2,S100A10,TNF,VEGFA |
| Ca2+ | chemical - endogenous mammalian | 0.0364 | turquoise | ABCB1,AHR,CCND2,CD19,CD80,CD86,CDK4,CEBPB,CEBPD,CSRP1,CXCL8,CXCR4,CYP1B1,E2F2,FABP5,FOSL2,HBEGF,HSPA5,ICOSLG/LOC102723996,IL1B,IL6R,IRS2,ITPR1,KCNG1,MYB,NR1D1,PEBP1,PTGS2,PTTG1,RUNX2,S100A8,S100A9,TIMP2,TLR4,TNF,TSHR,VDR,VEGFA |
| Laminin (complex) | complex | 0.0365 | turquoise | BIRC3,ETS2,ID2,ITGB1,PTGS2,PXN,RUNX2,TGFB2,VIM |
| GNA14 | enzyme | 0.0365 | turquoise | ABCB1,ARG1,CXCL8,FCGR3A/FCGR3B,GADD45A,HBEGF,IL1RN,KCNK6,MGST1,NFIL3,PDLIM5,PLAUR,PTGS2 |
| KLF1 | transcription regulator | 0.0365 | turquoise | BCL11A,BSG,CD55,CDKN2C,E2F2,EPB42,KCNN4,SLC3A2,TFRC |
| CEACAM1 | transporter | 0.0365 | turquoise | ALDH1A1,ANG,CD80,CD86,COL18A1,CXCL8,CXCR4,IL2RB,VEGFA |
| PPARG | ligand-dependent nuclear receptor | 0.0372 | turquoise | ABCG1,ACAA2,ACSL1,APOA2,AQP3,ARG1,ATP6V1D,BIRC5,CAV1,CCL5,CD36,CDKN2C,CEBPA,CEBPB,CFD,CR2,CXCL2,CXCL8,ERO1A,FABP5,FFAR1,FZD1,GAPDH,HMOX1,HYOU1,IGFBP7,IL1B,IRS2,LDLR,MGLL,MGST1,MKI67,NR1D1,OLAH,PFKFB3,PLIN2,PMM1,PMVK,PPARGC1B,PRDM1,PTGS2,RAB20,RUNX2,S100A8,SAT1,SERPINA1,SLC27A3,SLC44A1,SOD1,STAT5B,TBXAS1,TGFBR2,TKT,TLR4,TNF,TRERF1,TUBB,VAMP5,VDR,VEGFA,VIM,XYLT1,YWHAE |
| bisindolylmaleimide I | chemical - kinase inhibitor | 0.0373 | turquoise | AQP3,ARNT,BIRC3,CCND2,CD55,CXCL8,E2F2,HMOX1,HSP90AB1,HSPA5,MAPK1,PDCD4,PRKCD,PRKCE,PTGS2,PTTG1,SAMSN1,TNF,VEGFA |
| RAS | group | 0.0379 | turquoise | AURKA,B4GALT5,CAV1,CEBPA,CSF3R,CXCL8,HMGA1,HMOX1,LDLR,MIR17HG,MYH11,PDCD4,PLAUR,PRDM1,PRDX1,PTGS2,TNF,UPP1,VEGFA,VIM |
| POMC | other | 0.0379 | turquoise | CRH,CXCR4,CYP1B1,FOSL2,GAPDH,GCLC,GNAQ,GZMB,HMOX1,LDLR,PCSK5,PRF1,SLC9A3R1,SMAD3,TIMP2,TNF |
| CLOCK | transcription regulator | 0.0379 | turquoise | ADPGK,ARHGEF10,CD86,CEBPA,CLIP1,CYP51A1,DTX4,EEF2K,FAM84B,FKBP5,GADD45A,GIMAP4,GPR3,HSD17B8,IL18BP,ITM2C,KCNN3,KIF20A,KRR1,LIX1,MGAT2,MID1IP1,NAA15,NFIL3,NR1D1,PA2G4,PICALM,PRDX3,PTAFR,PTPN14,RABGAP1,RAP2A,RAP2B,SEL1L,SOS2,THUMPD1,TMED3,WEE1,WWC3 |
| CALCA | other | 0.0379 | turquoise | AHNAK,AKAP13,ANK3,CALCR,CD86,CXCL8,CXCR4,EIF4B,ESAM,FLT1,MKI67,PLXDC2,PXN,RUNX2,SEC61B,TNF |
| NRAS | enzyme | 0.0382 | turquoise | BUB3,CCL5,CD48,CD86,CDC6,CLEC11A,CX3CR1,DUSP6,FCER2,HOMER3,IGHM,IL13RA1,IL1RN,JCHAIN,KCTD12,KIF2C,LGALS1,LIMK1,LSP1,MCL1,MKI67,PCBD2,PERP,PTGS2,TULP4,UBE2C,VEGFA,WEE1,YIF1A |
| 3-deazaneplanocin | chemical drug | 0.0383 | turquoise | CEBPB,DUSP4,EZH2,FAS,FBXO32,IRF8,MAP3K14,SEL1L,SELENOS,TIMP3,TRIM14,USP53 |
| silibinin | chemical drug | 0.0383 | turquoise | BIRC5,CCNC,CD38,CDK4,CXCL8,FLT1,MCL1,PLAUR,PTGS2,TIMP2,VEGFA,VIM |
| gemfibrozil | chemical drug | 0.0383 | turquoise | ANXA7,CHEK1,CNP,FURIN,GADD45A,IL1B,LDLR,NAP1L1,PCSK5,PDCD4,RTN4,TNF |
| NLRP3 | other | 0.0386 | turquoise | CCL5,CD69,CXCL2,CXCR3,GATA3,HMOX1,IL1B,MDM2,PTTG1,TBX21,TNF,TYMS,UBE2N,VIM |
| choline plasmalogens | chemical - endogenous mammalian | 0.0392 | turquoise | CAV1,CDK4 |
| treprostinil | chemical drug | 0.0392 | turquoise | IL1B,TNF |
| galactosylceramide | chemical - endogenous mammalian | 0.0392 | turquoise | CD86,PAX5 |
| HCFC1 | transcription regulator | 0.0392 | turquoise | KMT5A,PPARGC1B |
| Cyclin B | group | 0.0392 | turquoise | BIRC5,CFLAR |
| chitinase | group | 0.0392 | turquoise | CCL5,CXCL8 |
| chlormethiazole | chemical drug | 0.0392 | turquoise | IL1B,TNF |
| Cbp/p300-Maf-Nfe2l2 | complex | 0.0392 | turquoise | GCLC,HMOX1 |
| 1,2,5,6-dibenzanthracene | chemical toxicant | 0.0392 | turquoise | CYP1B1,FGF9 |
| cardamomin | chemical - endogenous non-mammalian | 0.0392 | turquoise | PTGS2,TNF |
| DEFA1 (includes others) | other | 0.0392 | turquoise | CD4,CXCL8 |
| irisolidone | chemical - endogenous non-mammalian | 0.0392 | turquoise | IL1B,TNF |
| dietary fat derivative | chemical drug | 0.0392 | turquoise | ITGAM,TNF |
| Vacuolar H+ ATPase | complex | 0.0392 | turquoise | TMEM106B,TNF |
| PRMT7 | enzyme | 0.0392 | turquoise | IRF4,PRDM1 |
| C1QTNF1 | other | 0.0392 | turquoise | IL1B,TNF |
| CCDC134 | other | 0.0392 | turquoise | PRF1,TNF |
| SPRED2 | cytokine | 0.0392 | turquoise | CRH,VIM |
| EDEM1 | enzyme | 0.0392 | turquoise | HSPA5,XBP1 |
| SPATA2 | other | 0.0392 | turquoise | IL1B,TNF |
| HLA-DR | complex | 0.0392 | turquoise | IGHM,IL1B |
| MYLIP | enzyme | 0.0392 | turquoise | LDLR,LRP8 |
| SLCO1C1 | transporter | 0.0392 | turquoise | ALDH1A1,VEGFA |
| COQ7 | enzyme | 0.0392 | turquoise | ARG1,TNF |
| FERMT3 | enzyme | 0.0392 | turquoise | ITGAL,VEGFA |
| SDF4 | other | 0.0392 | turquoise | HSPA5,XBP1 |
| CNDP2 | peptidase | 0.0392 | turquoise | CXCR3,MMP11 |
| bis(4-hydroxycinnamoyl)methane | chemical - endogenous non-mammalian | 0.0392 | turquoise | TLR2,TLR4 |
| Eif2 | complex | 0.0392 | turquoise | HSPA5,PTGS2 |
| Eotaxin | group | 0.0392 | turquoise | ITGAM,MAPK1 |
| TH17 Cytokine | group | 0.0392 | turquoise | CXCL8,LGALS1 |
| Cr3 | complex | 0.0392 | turquoise | CD86,FOXP1 |
| pinoresinol | chemical - endogenous non-mammalian | 0.0392 | turquoise | PTGS2,TNF |
| DCB 3503 | chemical reagent | 0.0392 | turquoise | IL1B,TNF |
| satratoxin G | chemical toxicant | 0.0392 | turquoise | IL1B,TNF |
| DAPK1 | kinase | 0.0392 | turquoise | CXCL8,IL1B |
| APBA3 | transporter | 0.0392 | turquoise | PGK1,TNF |
| AHSG | other | 0.0392 | turquoise | CXCL8,TNF |
| GNLY | other | 0.0392 | turquoise | CCL5,TNF |
| PSMC5 | transcription regulator | 0.0392 | turquoise | CCND2,LYN |
| MC3R | G-protein coupled receptor | 0.0392 | turquoise | HMOX1,TNF |
| Pvr | other | 0.0392 | turquoise | CCND2,GATA3 |
| TRD | other | 0.0392 | turquoise | FCER1G,NT5E |
| miR-127-3p (miRNAs w/seed CGGAUCC) | mature microRNA | 0.0392 | turquoise | PRDM1,XBP1 |
| miR-153-3p (miRNAs w/seed UGCAUAG) | mature microRNA | 0.0392 | turquoise | FOXO1,MCL1 |
| miR-139-3p (miRNAs w/seed GGAGACG) | mature microRNA | 0.0392 | turquoise | MMP11,PRF1 |
| miR-125b-1-3p (miRNAs w/seed CGGGUUA) | mature microRNA | 0.0392 | turquoise | IL1B,TNF |
| mir-574 | microRNA | 0.0392 | turquoise | QKI,TP63 |
| P4HB | enzyme | 0.0392 | turquoise | AGO2,PDIA4 |
| HADHA | enzyme | 0.0392 | turquoise | IL1B,TNF |
| FGA | other | 0.0392 | turquoise | IL1B,TNF |
| SNX17 | transporter | 0.0392 | turquoise | CD69,ITGAL |
| SUMO1P3 | other | 0.0392 | turquoise | VEGFA,VIM |
| EIF2AK1 | kinase | 0.0392 | turquoise | IL1B,TNF |
| TPP2 | peptidase | 0.0392 | turquoise | PRF1,TBX21 |
| MEP1A | peptidase | 0.0392 | turquoise | CXCL8,IL1B |
| SNAP23 | transporter | 0.0392 | turquoise | MYH11,SMTN |
| PPP1R1A | phosphatase | 0.0392 | turquoise | ERN1,HSPA5 |
| AZU1 | peptidase | 0.0392 | turquoise | IL1B,TNF |
| CRT-0066101 | chemical - kinase inhibitor | 0.0392 | turquoise | CXCL8,TNF |
| LSS | enzyme | 0.0392 | turquoise | ABCG1,LDLR |
| GJC1 | ion channel | 0.0392 | turquoise | IL1B,TNF |
| NLRC3 | other | 0.0392 | turquoise | IL1B,TNF |
| ACS84 | chemical reagent | 0.0392 | turquoise | GCLC,HMOX1 |
| AKAP13 | other | 0.0392 | turquoise | FKBP5,MEF2C |
| MATK | kinase | 0.0392 | turquoise | CXCR4,LYN |
| cetuximab/radiotherapy | biologic drug | 0.0392 | turquoise | FLT1,TYMS |
| ERC1 | other | 0.0392 | turquoise | CXCL8,PTGS2 |
| Prl3b1 | growth factor | 0.0392 | turquoise | ESR1,ESR2 |
| CD300LD | other | 0.0392 | turquoise | CD300LF,TNF |
| EEF1A1 | translation regulator | 0.0392 | turquoise | CCNA2,S100A4 |
| Prl3d1 (includes others) | other | 0.0392 | turquoise | ESR1,ESR2 |
| SRSF5 | other | 0.0392 | turquoise | NR3C1,VEGFA |
| TWSG1 | other | 0.0392 | turquoise | ID2,PAX5 |
| ZKSCAN3 | transcription regulator | 0.0392 | turquoise | CCND2,VEGFA |
| 14-oxoDHA | chemical - endogenous mammalian | 0.0392 | turquoise | IL1B,TNF |
| tempo | chemical reagent | 0.0392 | turquoise | CFLAR,HMOX1 |
| fomepizole | chemical drug | 0.0392 | turquoise | CCL5,HMOX1 |
| clomiphene | chemical drug | 0.0392 | turquoise | ESR1,LDLR |
| dihydrosphingosine 1-phosphate | chemical - endogenous mammalian | 0.0392 | turquoise | ERN1,TNF |
| oenothein B | chemical - endogenous non-mammalian | 0.0392 | turquoise | CXCL2,TNF |
| lomefloxacin | chemical drug | 0.0392 | turquoise | HMOX1,MDM2 |
| 1-heptanol | chemical reagent | 0.0392 | turquoise | CD80,CD86 |
| spiperone | chemical drug | 0.0392 | turquoise | SDHA,SDHB |
| phloretin | chemical - endogenous non-mammalian | 0.0392 | turquoise | HMOX1,TXNIP |
| 4-amino-6-hydrazino-7-beta-D-ribofuranosyl-7H-pyrrolo[2,3-d]-pyrimidine-5-carboxamide | chemical reagent | 0.0392 | turquoise | BIRC5,MCL1 |
| potassium cyanide | chemical reagent | 0.0392 | turquoise | TIMP1,TIMP2 |
| nickel subsulfide | chemical toxicant | 0.0392 | turquoise | CXCL8,VEGFA |
| chlorophyllin | chemical toxicant | 0.0392 | turquoise | CXCL8,HMOX1 |
| L-JNK inhibitor I | chemical reagent | 0.0392 | turquoise | BMP6,HMOX1 |
| TAPI | chemical - protease inhibitor | 0.0392 | turquoise | CXCL8,IL6R |
| glutathione diethyl ester | chemical reagent | 0.0392 | turquoise | GCLC,PLAUR |
| 5R,11R-diethyl-5,6,11,12-tetrahydrochrysene-2,8-diol | chemical reagent | 0.0392 | turquoise | ESR1,TGFBR3 |
| R-etodolac | chemical drug | 0.0392 | turquoise | MCL1,RXRA |
| cannabinoid drugs | chemical drug | 0.0392 | turquoise | CNR1,CXCR4 |
| ampelopsin | chemical drug | 0.0392 | turquoise | HMOX1,HSPA5 |
| CpG ODN 2216 | chemical reagent | 0.0393 | turquoise | CD38,CD69,CD80,CD86,IL1B,TNF |
| zidovudine | chemical drug | 0.0393 | turquoise | BID,CCL3,CCND2,CXCL8,FOXP1,IL1B |
| pregna-4,17-diene-3,16-dione | chemical - endogenous non-mammalian | 0.0393 | turquoise | BIRC5,CEBPA,CFLAR,MCL1,PTGS2,VEGFA |
| NfkB-RelA | complex | 0.0393 | turquoise | CCL3,CCL5,CXCL8,IL1B,PTGS2,TNF |
| CTR9 | other | 0.0393 | turquoise | HRASLS2,IGFBP4,RAB31,RASGRP1,TIAM1,USP53 |
| OXT | other | 0.0393 | turquoise | CREBBP,CRH,ESR1,MEF2C,NR3C1,PTGS2 |
| DTX1 | transcription regulator | 0.0393 | turquoise | CEP55,DUSP6,HIGD1A,MCL1,TGFB2,VEGFA |
| XIAP | enzyme | 0.0393 | turquoise | BIRC5,CDK4,CXCL8,PTGS2,TNF,TXN2 |
| WAS | other | 0.0393 | turquoise | CD69,IL1B,SELPLG,TBX21,TNF,TNFAIP2 |
| CASR | G-protein coupled receptor | 0.0393 | turquoise | BIRC5,GABBR1,PTGS2,PTTG1,TYMS,VDR |
| TNFSF15 | cytokine | 0.0393 | turquoise | BIRC3,CD80,CD86,CXCL2,CXCL8,IL2RB |
| CYP7A1 | enzyme | 0.0393 | turquoise | ABCG1,IL1B,LDLR,PTGS2,TIMP1,TNF |
| suramin | chemical drug | 0.0393 | turquoise | ACTR3,CD80,CD86,CXCL8,HMOX1,PTGS2 |
| FBXW7 | enzyme | 0.0399 | turquoise | ATP5F1A,BIRC5,CD36,DTX1,HSPA8,HSPE1,MTHFD2,NOTCH4,NR3C1,RUNX2,TLR4 |
| ZAP70 | kinase | 0.0399 | turquoise | ALAS1,ANG,ANXA1,CD69,ETFA,FKBP5,ITPR1,QPCT,SEC14L1,SSR4,TFEC |
| luteolin | chemical - endogenous non-mammalian | 0.0399 | turquoise | BIRC5,CDK4,CDK5,FAS,GCLC,HMOX1,MTDH,PTGS2,TLR4,TNF,VEGFA |
| Ifn | group | 0.04 | turquoise | APOBEC3A,CD58,CD69,CD80,CD86,CXCR3,FAS,IL15RA,IL32,IL7,IRF8,PTAFR,RARRES3,S100A8,SECTM1,TFRC,TLR2,TYMP |
| corticosterone | chemical - endogenous mammalian | 0.0407 | turquoise | ANXA1,ATP1A1,ATP1B1,CAV1,CDK4,CRH,FKBP5,GLUL,GZMB,HSPA5,IDE,ITGB1,KLF9,NR3C1,PTGS2,TLR2,TNF,WNT7B,XBP1 |
| PRKAA2 | kinase | 0.0407 | turquoise | ALAS1,ATP5MC2,CAMK4,CEBPA,DUSP4,ERN1,GATA3,HIGD1A,HSPA5,IGFBP4,LDHA,MGST1,P4HB,SLC16A1,SMAD3,SORL1,TNF,VIM,ZYX |
| tributyrin | chemical drug | 0.0408 | turquoise | BIRC3,CD55,CXCL8,CXCR4,HBEGF,HSPA5,ID2,IL1B,MYL12A,PDLIM5,PTGS2,SLC30A1,USP53 |
| ganglioside GD1a | chemical - endogenous mammalian | 0.0408 | turquoise | CD80,PTGS2,TNF |
| atrazine | chemical toxicant | 0.0408 | turquoise | CLEC11A,NR3C1,PTGS2 |
| C8 | complex | 0.0408 | turquoise | CFLAR,CXCL2,IL1B |
| Cyp4a14 | enzyme | 0.0408 | turquoise | CD36,IL1B,TNF |
| ZNF652 | other | 0.0408 | turquoise | TGFB2,TGFBR2,VIM |
| QRFP | other | 0.0408 | turquoise | ACSL1,CD36,CEBPA |
| TNFAIP8L2 | other | 0.0408 | turquoise | CXCL2,IL1B,TNF |
| NELFCD | other | 0.0408 | turquoise | BSG,DLGAP5,TOP2A |
| SMAD1/5 | group | 0.0408 | turquoise | CEBPB,ID2,PLAUR |
| IL26 | cytokine | 0.0408 | turquoise | CXCL8,IL1B,TNF |
| SRT1720 | chemical drug | 0.0408 | turquoise | CXCL8,IL1B,TNF |
| SELL | transmembrane receptor | 0.0408 | turquoise | CXCR4,IL1B,TNF |
| PDE6B | enzyme | 0.0408 | turquoise | GPX1,HMOX1,SOD1 |
| PDGF (family) | group | 0.0408 | turquoise | EEF1B2,P4HB,VIM |
| mir-320 | microRNA | 0.0408 | turquoise | BIRC5,MCL1,TFRC |
| miR-346 (and other miRNAs w/seed GUCUGCC) | mature microRNA | 0.0408 | turquoise | AGO2,CFLAR,NRIP1 |
| CD83 | transmembrane receptor | 0.0408 | turquoise | CD80,CD86,PTGS2 |
| PTGDR | G-protein coupled receptor | 0.0408 | turquoise | IL1B,PTGS2,TNF |
| MYCBP | transcription regulator | 0.0408 | turquoise | CCND2,CDK4,LDHA |
| FYB1 | other | 0.0408 | turquoise | CD69,ITGAM,SKAP1 |
| GABBR2 | G-protein coupled receptor | 0.0408 | turquoise | GABBR1,GLUL,GRIA1 |
| PROK1 | growth factor | 0.0408 | turquoise | CXCL8,MCL1,PTGS2 |
| SH3RF1 | enzyme | 0.0408 | turquoise | MAP3K9,TBX21,TNF |
| ZNF143 | transcription regulator | 0.0408 | turquoise | CEBPA,TALDO1,TCP1 |
| TSG101 | transcription regulator | 0.0408 | turquoise | FAM89B,MDM2,NR3C1 |
| C9 | other | 0.0408 | turquoise | CFLAR,CXCL2,IL1B |
| MAP3K10 | kinase | 0.0408 | turquoise | CXCL8,MAP3K9,SH3RF1 |
| CHGA | other | 0.0408 | turquoise | BIRC5,HSPA5,IL1B |
| PLA2G2A | enzyme | 0.0408 | turquoise | CD69,CXCL8,PTGS2 |
| casticin | chemical - endogenous non-mammalian | 0.0408 | turquoise | BIRC5,CFLAR,IL1B |
| CYP3A4 | enzyme | 0.0408 | turquoise | GCLC,HMOX1,SLC51B |
| MS4A1 | other | 0.0408 | turquoise | CD69,CD86,MCL1 |
| C7 | other | 0.0408 | turquoise | CFLAR,CXCL2,IL1B |
| STMN1 | other | 0.0408 | turquoise | BIRC5,CFLAR,TUBA1B |
| triacetyl-3-hydroxyphenyladenosine | chemical reagent | 0.0408 | turquoise | ABCG1,ARG1,TNF |
| dacarbazine | chemical drug | 0.0408 | turquoise | CCL5,CXCL8,VEGFA |
| trovafloxacin | chemical drug | 0.0408 | turquoise | BIRC3,CEBPA,CXCL2,ETS2,GCLC,HMOX1,LDLR,MDM2,PSMA5,RDX,SOCS2,TGIF1,VEGFA |
| diacerein | chemical drug | 0.0408 | turquoise | IL1B,IL6R,TNF |
| tyrphostin | chemical drug | 0.0408 | turquoise | ARG1,CFLAR,CXCL2 |
| phospholipid | chemical - endogenous mammalian | 0.0408 | turquoise | ALOX5,CCL5,PTGS2 |
| poly-L-lysine | chemical reagent | 0.0408 | turquoise | CXCL8,IL1RN,ITGAM |
| isatoribine | chemical reagent | 0.0408 | turquoise | CD80,CD86,TNF |
| PTGER4 | G-protein coupled receptor | 0.0417 | turquoise | CD69,CITED2,CXCL8,CXCR4,FAM49A,GAB1,GBP4,HAVCR2,IL1B,IRGM,MAFB,MXI1,NXPE3,PDCD4,PTGS2,RUNX2,SLC13A3,SLFN13,ST6GAL1,TAGAP,TNF,TOR3A |
| prostaglandin D2 | chemical - endogenous mammalian | 0.0418 | turquoise | CCL3,CCL5,CXCL8,HMOX1,ITGAM,PTGS2,TNF |
| Fc gamma receptor | group | 0.0418 | turquoise | CCL3,CCNA2,CD86,CFLAR,CXCL8,IRF8,TNF |
| ACTL6A | other | 0.0418 | turquoise | CCNA2,CCND2,ETS2,FAS,HMOX1,MCL1,TBX21 |
| APOB | transporter | 0.0418 | turquoise | BIVM,CD36,PPARGC1B,PSMA7,PSMB7,PSME2,RUNX2 |
| TWIST1 | transcription regulator | 0.0418 | turquoise | ALDH1A1,ASPM,CHAD,CXCL8,ESR1,EZH2,FAS,FCGBP,FOXO1,IGFBP4,IL1B,KCNN4,NT5E,PAM,RUNX2,RUNX3,TBX21,TGFBI,TGFBR2,TIMP3,TNF,VCAN,VEGFA,VIM,ZYX |
| MTTP | transporter | 0.0418 | turquoise | CD36,CFD,ERN1,HSPA5,RUNX2,TNF,XBP1 |
| PF4 | cytokine | 0.0418 | turquoise | CCL3,CD1A,CD86,CXCL8,IL1B,ITGAM,TNF |
| mitoxantrone | chemical drug | 0.0418 | turquoise | CXCL8,FAS,IL1B,MCL1,PERP,TP63,VEGFA |
| betulinic acid | chemical drug | 0.0418 | turquoise | BIRC5,LMNB1,PKM,PTGS2,TIMP1,TIMP2,TLR4 |
| parthenolide | chemical drug | 0.0418 | turquoise | CCL5,CXCL2,CXCL8,HMOX1,IL1B,PTGS2,TNF |
| IL1 | group | 0.0421 | turquoise | AHR,CCL3,CCL5,CD1A,CD55,CD59,CEBPD,CLEC7A,CRH,CSF1R,CSF2RB,CTSC,CXCL8,FAS,FPR1,GGT1,HMOX1,IL1B,IL1RN,IL2RB,IL4R,IL5RA,IL7,IRF4,ITGAM,KYNU,LDLR,LYZ,MAPK1,PTGS2,RORA,RUNX2,RXRA,S100A9,TIMP1,TLR2,TLR4,TNF,TNFRSF1B,TYMP,VCAN,VEGFA |
| GNB2 | enzyme | 0.0426 | turquoise | AHR,CD80,FOSL2,IER3,IL1B,MAFB,MXI1,PRDM1 |
| ACVRL1 | kinase | 0.0426 | turquoise | CXCL8,CXCR4,ID2,PLAUR,PXN,TLR4,VEGFA,ZYX |
| HSF2 | transcription regulator | 0.0426 | turquoise | CCT8,IL1B,PSMA1,PSMA5,PSMB2,TCP1,TNF,TXN |
| FLT3 | kinase | 0.0426 | turquoise | BAK1,BIRC5,CCND2,CEBPB,LYZ,MCL1,TNF,XRCC6 |
| bardoxolone | chemical drug | 0.0426 | turquoise | CEBPA,CEBPB,CFLAR,GCLC,HMOX1,HSPA9,MDH2,UBE2H |
| F2R | G-protein coupled receptor | 0.0428 | turquoise | CD55,CXCL8,DSP,ESR1,FLT1,HMOX1,IGFBP7,IL1B,LDHB,MIF,PLAUR,PTAFR,PTGS2,S100A4,TGFB2,VEGFA,VIM |
| CEBPD | transcription regulator | 0.0428 | turquoise | BIRC5,CD14,CEBPB,CEBPD,CRH,CSF1R,CSF3R,CXCL8,CXCR4,FBXW7,IL1B,ITGAM,ITGAX,PTAFR,PTGS2,TNF,XBP1 |
| erlotinib | chemical drug | 0.043 | turquoise | BAK1,CD14,CXCL8,ENAH,FCER2,IL1B,TLR2,TLR4,TNF,TNFRSF1B,TRADD,TYMS |
| L-dopa | chemical - endogenous mammalian | 0.0431 | turquoise | ABI2,AIF1,ARL3,ATXN1,C1GALT1C1,CD200,CD63,CDC42EP3,CLIP4,CNR1,COCH,CORO2B,COTL1,CRYM,CTSC,DAAM1,DCTN3,DDOST,DUSP6,EIF4EBP2,ETS2,FAM189A1,FAM81A,FKBP5,FNIP1,FOXO1,FXYD5,GAPDH,GNAS,GNS,GOLIM4,GSTM1,HBEGF,HCST,HEXB,HVCN1,IER3,IFNAR2,IL18BP,KCNA6,KLF9,LASP1,LIX1,LPP,MEF2C,MSRB1,MYO1B,NDUFS4,NFATC3,NT5E,PA2G4,PARM1,PDCD4,PLEK,PLEKHA2,PRICKLE1,PSAP,RAB3D,RAB8A,RASGRP1,RBL2,RC3H2,RELL1,ROMO1,S100A10,SATB1,SCRN1,SEC14L1,SERPINB6,SFXN3,SIPA1L3,SKAP1,SMIM14,SNX9,SRM,SRPRB,STAB1,SUB1,TIAM1,TMEM199,TMEM70,TRERF1,VAMP1,VDAC1,VMP1,VTI1B,WDR1,WNT7B,YLPM1,ZNF281,ZNF76 |
| glycine | chemical - endogenous mammalian | 0.0433 | turquoise | IL1B,ITGAM,TLR4,TNF,VEGFA |
| KDM6B | enzyme | 0.0433 | turquoise | CCL5,ITGAL,PPIA,TP63,VIM |
| hemoglobin | complex | 0.0433 | turquoise | CD163,CXCL8,HMOX1,MGST1,TFRC |
| NOD1 | other | 0.0433 | turquoise | CCL5,CXCL2,CXCL8,IL1B,TNF |
| YWHAZ | enzyme | 0.0433 | turquoise | HSP90B1,HSPA5,MCL1,SMAD3,XBP1 |
| AXIN1 | other | 0.0433 | turquoise | APCDD1,CCND2,CEBPA,MDM2,TUBB3 |
| MAFK | transcription regulator | 0.0433 | turquoise | ABCC4,GCLC,HMOX1,PRDM1,TXN |
| PAEP | other | 0.0433 | turquoise | CCL5,CXCR3,GATA3,HBEGF,VEGFA |
| LIPG | enzyme | 0.0433 | turquoise | CD36,IL1B,LDLR,TNF,VEGFA |
| KLRC4-KLRK1/KLRK1 | transmembrane receptor | 0.0433 | turquoise | CD69,RXRA,TCF7,TNF,VEGFA |
| Gm21596/Hmgb1 | transcription regulator | 0.0433 | turquoise | CXCR4,IL1B,PKM,TLR4,TNF |
| IL37 | cytokine | 0.0433 | turquoise | CXCL2,IL1B,IL1RN,TIMP1,TNF |
| hemocyanin | biologic drug | 0.0433 | turquoise | CD14,CD80,CD86,ITGAX,TNF |
| lisinopril | biologic drug | 0.0433 | turquoise | IL1B,LDLR,S100A6,TNF,VEGFA |
| leptomycin B | chemical drug | 0.0433 | turquoise | CEBPA,IL1B,MDM2,PTGS2,TNF |
| creatine | chemical - endogenous mammalian | 0.0433 | turquoise | CXCL2,GATM,TLR2,TLR4,TTN |
| estrogen receptor | group | 0.0444 | turquoise | ABCG1,AGO2,ANXA1,CAV1,CCND2,CD59,CD99,CNKSR1,CXCL8,CXCR4,DSP,GATA3,HBEGF,ITGB1,KISS1R,KLF10,LDLR,LYN,MAN1A1,NRIP1,NT5E,PDGFD,PLAUR,SAT1,SLC9A3R1,SMAD3,TGFB2,TGFBR2,TGFBR3,TIMP1,TIMP2,TIMP3,TLR4,VEGFA,VIM,XBP1 |
| ADRB | group | 0.045 | turquoise | ANXA5,ARG1,ATF5,BAK1,BNIP3L,CCNA2,CDK4,CFLAR,CLEC4D,CXCL2,CYP51A1,FAS,GADD45A,HMOX1,PKD1,PTGS2,RBL2,SLC8A1,SMC1A,SRM,SRXN1,WEE1,WNT7B |
| TLR7 | transmembrane receptor | 0.045 | turquoise | CCL3,CCL5,CD38,CD69,CD70,CD80,CD86,CEBPB,CPEB2,CREB5,CXCL2,CXCL8,DENND4C,DMXL2,ETS2,FCER1G,IER3,IL1B,IL21R,MCOLN2,TNF,TRIM38 |
| IKZF1 | transcription regulator | 0.045 | turquoise | CCND2,CD8A,CTNND1,DTX1,EIF4E3,EPB42,FOXO1,GATA3,IGLL1/IGLL5,IL2RB,IL7R,LILRB3,LYN,MYO1B,PAX5,PPP1R9A,SH3BP5,SLC27A3,SPN,TBX21,TSHZ1,TYROBP,UACA |
| SP110 | transcription regulator | 0.045 | turquoise | ANXA5,AQP3,ARRB1,CD74,EEF2K,IL4R,IL6R,ITGAV,ITGB1,LY96,MCL1,NFIL3,PERP,PTAFR,PTPN12,RXRA,SERPINA1,SMARCD3,TCF7,TGFBR3,TIMP1,TXNIP |
| Mmp | group | 0.0452 | turquoise | CSF1R,FAS,ITGAM,VEGFA |
| Actin | group | 0.0452 | turquoise | FLNA,GRIA1,IL1B,LPP |
| Integrin | complex | 0.0452 | turquoise | AHR,ESR1,TGFB2,VEGFA |
| CHRNA1 | transmembrane receptor | 0.0452 | turquoise | CD69,CD80,CD86,FAS |
| CSF2RA | transmembrane receptor | 0.0452 | turquoise | ADGRE1,CCND2,IL5RA,ITGAM |
| HAVCR2 | other | 0.0452 | turquoise | CD80,CXCR4,IL1B,TNF |
| MAP2K7 | kinase | 0.0452 | turquoise | BIRC3,CCL5,CSTA,CXCL8,DUT,FAS,HSPA5,ITGB1,LSP1,TNF,VDR |
| BIRC5 | other | 0.0452 | turquoise | BIRC5,CD74,FCGR2B,IGHM,JCHAIN,LYZ,MCL1,MDM2,PTTG1,TP63,VIM |
| ELN | other | 0.0452 | turquoise | CD86,IL1B,PTK2,TNF |
| dimethyl fumarate | chemical drug | 0.0452 | turquoise | HMOX1,PTGS2,VEGFA,VIM |
| 1,10-phenanthroline | chemical toxicant | 0.0452 | turquoise | FLT1,HMOX1,MDM2,SPN |
| albuterol | chemical drug | 0.0452 | turquoise | CCL5,GNAS,TNF,VEGFA |
| ethylenediaminetetraacetic acid | chemical drug | 0.0452 | turquoise | CXCL8,IL1B,SELPLG,TNF |
| triptolide | chemical drug | 0.0452 | turquoise | BID,BIRC5,CXCL8,FAS,MCL1,MKI67,PTGS2,TLR2,TLR4,TNF,UACA |
| irinotecan | chemical drug | 0.0452 | turquoise | FAS,IL1B,TNF,TYMS |
| loxoribine | chemical drug | 0.0452 | turquoise | CXCL8,PTGS2,TLR4,TNF |
| buthionine sulfoximine | chemical drug | 0.0452 | turquoise | CXCR4,HBEGF,HMOX1,PTGS2 |
| ADAM10 | peptidase | 0.0458 | turquoise | ABAT,AGTPBP1,BID,BRAF,CD74,GNAQ,GZMH,ICOSLG/LOC102723996,IRAK1,MDM4,MEF2C,MKKS,QKI,RABEP1,S100A9,USP14 |
| SNCA | enzyme | 0.0466 | turquoise | AIF1,ALDH1A1,BCL11B,CD74,CDC42EP3,CFL1,CHL1,CIITA,CRYM,EPS8,FAM81A,GLDC,HOMER2,HSP90B1,HSPA5,IL13RA1,IL1B,KCNG1,KIF1B,LDHB,MDH2,PDIA5,PLXNC1,PRKCD,PSMA3,SNX22,SYN3,TNF,TPI1,TUBB3,TUBG1,UCHL1,YWHAE |
| caffeic acid phenethyl ester | chemical drug | 0.0468 | turquoise | ABCB1,BCL2L2,BIRC3,BIRC5,CCNC,CXCL8,ESR1,HMOX1,IL1B,MKI67,PTGS2,RXRA,S100A6,TCP1,TLR2,TNF,VIM |
| THRB | ligand-dependent nuclear receptor | 0.0472 | turquoise | APOA2,ATP5MG,CCND2,CCR1,CDCA7L,CDK4,CEBPA,CFD,CSNK1A1,CXCL2,CXCR4,DAD1,FZD1,IGHM,IL7,KLF9,LDLR,LYZ,PAM,PGD,PTAFR,PTGS2,PTTG1,RUNX2,STAT5B,TGFBI,THRB,TLE2,TNF,TREM1,TSHR,YWHAE |
| testosterone | chemical - endogenous mammalian | 0.0474 | turquoise | ACSL1,ALDOA,ANXA1,ATP1B1,CAMK4,CAV1,CCNC,CDK4,COX5A,CYP51A1,ELOC,ESR1,ESR2,FAM89B,FAS,FOSL2,FOXO1,GADD45A,GGT1,GRIA1,GUSB,HSP90AB1,IL1B,IRS2,ITGB1,KISS1R,LGALS1,MGST1,PDIA4,PRKCB,PRKCE,PSMA1,PSMA2,PTGS2,PXN,RARG,RPS11,SERPINA5,SYT11,TARP,TBXAS1,TGFB2,TGFBR2,TLR4,TOP2A,TUBB3,VCAN,YWHAE |
| lithocholic acid | chemical - endogenous mammalian | 0.048 | turquoise | LDLR,PLAUR,SLC22A7,SLC51B,TGFBR2,TNF |
| NODAL | growth factor | 0.048 | turquoise | ARG1,CCL5,CD80,CD86,ITGAX,TNF |
| miR-181a-5p (and other miRNAs w/seed ACAUUCA) | mature microRNA | 0.048 | turquoise | CD69,ESR1,EZH2,NOTCH4,TCL1A,TIMP3 |
| BGN | other | 0.048 | turquoise | CXCL8,IL1B,RUNX2,SMAD3,TNF,UTRN |
| COL4A3 | other | 0.048 | turquoise | COL4A4,DDR1,LAMC1,PTGS2,TIMP1,TIMP2 |
| BAG1 | other | 0.048 | turquoise | FKBP5,GADD45A,MT2A,NR3C1,PTGS2,UAP1 |
| piceatannol | chemical - endogenous non-mammalian | 0.048 | turquoise | FAS,HMOX1,IL1B,PTGS2,TIMP2,TNF |
| cannabidiol | chemical drug | 0.048 | turquoise | BIRC5,ID2,IL1B,PTGS2,TNF,TRPV2 |
| Collagen type I | complex | 0.0482 | turquoise | BIK,CCL5,HDGF,ITGAV,ITGB1,MCL1,PTGS2,RUNX2,S100A10,TIMP2,TNF,VIM |
| Alpha catenin | group | 0.0483 | turquoise | BIRC3,CXCL2,DIAPH1,ELK3,IGFBP4,IGFBP7,IL1B,ITGAM,LYN,LYZ,MMP11,PTGS2,S100A8,S100A9,STEAP4,TIMP1,TNF,TNFAIP2,VIM,ZYX |
| morphine | chemical drug | 0.0483 | turquoise | ABCB1,AIF1,ARRB1,CDK5,CNR1,CXCL8,FAS,FOSL2,GATA3,GNAS,GRIA1,IL1B,ITGAM,MAPK1,NR3C1,PTGS2,TLR2,TLR4,TNF,TXN |
| PITX2 | transcription regulator | 0.0485 | turquoise | ATP1A1,ATP1B1,CCND2,FOXO1,GADD45A,IDH2,ITGAV,ITGB1,LDHA,MGA,NDUFA13,NDUFB3,NDUFB4,NDUFB7,NDUFB8,NDUFC2,SATB1,SOD1,TXN2,UQCRQ,VIM |
| TAL1 | transcription regulator | 0.0485 | turquoise | AFDN,AP4B1,ASPM,BCOR,CD1A,CD69,EPB42,FBXW7,FCRL1,FRG1,GATA3,HLA-B,HMGB3,ID2,KIF20A,MARCKS,MCM4,MYB,NCAPG,NFYA,RAB33A,REL,RPS3A,SSH2,STK17A,TCF7,TOX,TSHR,TTC3,TUBB4B,UBE2H,XRCC6,ZNF677,ZNF827 |
| Insulin | group | 0.0486 | turquoise | ACSL1,ALDOA,AQP9,ARRB1,ATP5MC2,BIRC5,CCNC,CD36,CEBPA,CEBPB,CFLAR,CRH,DBI,DUSP4,ERO1A,FBXO32,FOXO1,GCLC,HMOX1,HSP90B1,HSPA5,IDE,IGFBP4,IRS2,MCM6,MDH2,NDUFA1,NFE2L1,NFIL3,NR3C1,NUCB2,PFKFB3,PGK1,PKM,PLA2G16,PLCB1,PPARGC1B,PRKCD,PTK2,SLC25A11,SLC2A5,SOD1,TBX21,TGFBI,TLR2,TNF,TSHR,VEGFA,XBP1 |
| IL25 | cytokine | 0.0487 | turquoise | CCL3,CCL5,CXCL8,FLT1,GATA3,GFI1,IL1B,PLIN2,TNF |
| SAA | group | 0.0497 | turquoise | ARG1,CXCL8,IL1B,IL1RN,IRF4,PTGS2,TLR2 |
| PRKCQ | kinase | 0.0497 | turquoise | CD69,GATA3,ITGAL,ITGB1,PRKCB,PRKCE,TBX21,TNF |
| S100A6 | transporter | 0.0497 | turquoise | AURKA,CXCL2,CXCL8,HS3ST1,NCAPH,TYMS,YBX3 |
| sodium orthovanadate | chemical reagent | 0.0497 | turquoise | CCNA2,CEBPA,CXCL8,IL4R,PLAUR,SLC2A5,TNF |
| andrographolide | chemical drug | 0.0497 | turquoise | CNR1,GATA3,HMOX1,IL1B,PTGS2,TIMP1,TNF |
| TAL1 | transcription regulator | 0.0016 | grey | HIVEP3,IKZF3,RPS3A,TTC3 |
| oligomycin A | chemical - endogenous non-mammalian | 0.00236 | grey | TXNIP |
| allose | chemical - endogenous mammalian | 0.00236 | grey | TXNIP |
| MLXIP | transcription regulator | 0.00472 | grey | TXNIP |
| iberdomide | chemical drug | 0.00472 | grey | IKZF3 |
| KLF3 | transcription regulator | 0.00659 | grey | C19orf44,FAM126A,PATJ,TMPO |
| DTNB | other | 0.00707 | grey | SNTB1 |
| phloretin | chemical - endogenous non-mammalian | 0.00707 | grey | TXNIP |
| sodium azide | chemical toxicant | 0.00942 | grey | TXNIP |
| CSRP3 | other | 0.0118 | grey | TXNIP |
| CBFB | transcription regulator | 0.0125 | grey | IKZF3,RAB3IP |
| sapanisertib | chemical drug | 0.0141 | grey | RPS3A |
| ATF5 | transcription regulator | 0.0164 | grey | TXNIP |
| myxothiazol | chemical toxicant | 0.0164 | grey | TXNIP |
| HDAC10 | transcription regulator | 0.0187 | grey | TXNIP |
| MMP3 | peptidase | 0.0224 | grey | PAPOLA,THOC6 |
| MKNK1 | kinase | 0.0229 | grey | TTC3,TXNIP |
| cortistatin A | chemical reagent | 0.0234 | grey | RREB1 |
| CBX5 | transcription regulator | 0.0302 | grey | SNTB1,TXNIP |
| phytohemagglutinin | chemical drug | 0.032 | grey | IKZF3,PAPOLA,TMPO |
| THRAP3 | transcription regulator | 0.0326 | grey | TXNIP |
| miR-128-3p (and other miRNAs w/seed CACAGUG) | mature microRNA | 0.0349 | grey | TXNIP |
| MLX | transcription regulator | 0.0394 | grey | TXNIP |
| NFASC | other | 0.0394 | grey | DYNLT3 |
| antimycin A | chemical - endogenous non-mammalian | 0.0394 | grey | TXNIP |
| DCAF1 | kinase | 0.0417 | grey | TXNIP |
| LIN9 | other | 0.0417 | grey | TMPO |
| TNFRSF11A | transmembrane receptor | 0.0417 | grey | AKAP13 |
| MNT | transcription regulator | 0.044 | grey | TXNIP |
| SIN3B | transcription regulator | 0.0462 | grey | TXNIP |
| DUSP5 | phosphatase | 0.0462 | grey | HIVEP3 |
| tranilast | chemical drug | 0.0462 | grey | TXNIP |
| HNF4A | transcription regulator | 0.0479 | grey | ABHD6,AKAP13,C19orf44,COQ10B,PAPOLA,PATJ,THOC6,TXNIP,ZNF277 |
| methylselenic acid | chemical reagent | 0.00000563 | brown | ABCA5,ACKR3,CD44,CDC14B,PTEN,RAB31,RGS10,RHOB,WASF1 |
| IL2 | cytokine | 0.000162 | brown | CD44,CD9,IKZF2,MME,NT5E,PTPRJ,RHOB,TNFRSF10B,TNFRSF21,TRIB2,XBP1 |
| CXCR4 | G-protein coupled receptor | 0.000209 | brown | ACKR3,CD44,CD9,TNFRSF10B |
| miR-873-5p | mature microRNA | 0.000268 | brown | CD44,PTEN |
| MAP3K14 | kinase | 0.000274 | brown | CD44,PON2,PTEN,XBP1 |
| mir-193 | microRNA | 0.00033 | brown | CD2AP,MYO1C,PTEN |
| ERBB2 | kinase | 0.000335 | brown | CD9,CDC14B,CDC42EP3,JUP,MME,PTEN,RAB31,RAB34,RHOB,SOX4,TNFRSF10B,XBP1 |
| ZFPM1 | transcription regulator | 0.000418 | brown | ALOX5,CECR2,IKZF2,SLC50A1 |
| phytohemagglutinin | chemical drug | 0.000887 | brown | CD44,CPM,NT5E,PON2,PTPRJ,SOX4,XBP1 |
| HDAC3 | transcription regulator | 0.00107 | brown | ALOX5,GDF11,JUP,PTEN |
| tacrolimus | chemical drug | 0.00109 | brown | IKZF2,NT5E,PRKACB,PTPRJ,TLE1,TLE3 |
| CD38 | enzyme | 0.00115 | brown | CD44,GLIPR2,IGHG1,NT5E,XBP1 |
| RARA | ligand-dependent nuclear receptor | 0.00116 | brown | ALOX5,CD44,CD9,JUP,TNFRSF10B,XBP1,YPEL1 |
| cetuximab | biologic drug | 0.00173 | brown | TNFRSF10B,XBP1 |
| GPS2 | transcription regulator | 0.00179 | brown | ASAP1,RHOB,RNF144B |
| miR-199a-3p (and other miRNAs w/seed CAGUAGU) | mature microRNA | 0.00237 | brown | CD44,PON2 |
| WISP2 | growth factor | 0.00241 | brown | CD44,JUP,XBP1 |
| trichostatin A | chemical drug | 0.00266 | brown | CD44,CD9,GDF11,JUP,MME,PTEN,TNFRSF10B,WASF1,XBP1 |
| miR-19b-3p (and other miRNAs w/seed GUGCAAA) | mature microRNA | 0.00272 | brown | ALOX5,PTEN |
| lenalidomide | chemical drug | 0.0028 | brown | FCHO2,PTEN,TNFRSF10B,TNFRSF21,XBP1 |
| BCL2L1 | other | 0.00283 | brown | CD44,TNFRSF10B,TNFRSF21 |
| Sb202190 | chemical - kinase inhibitor | 0.00283 | brown | ALOX5,HRK,RHOB,TNFRSF10B |
| CTBP2 | transcription regulator | 0.0031 | brown | JUP,PTEN |
| GLI1 | transcription regulator | 0.00322 | brown | JUP,RAB34,RGS10,RHOB,TNFRSF10B |
| Ctbp | group | 0.0035 | brown | ACKR3,JUP |
| PTP4A3 | phosphatase | 0.0035 | brown | JUP,PTEN |
| SEL1L | other | 0.0035 | brown | PTEN,XBP1 |
| AXIN1 | other | 0.0035 | brown | APCDD1,JUP |
| MIR17HG | other | 0.00352 | brown | APCDD1,GDF11,PTEN,SOX4 |
| ATN1 | transcription regulator | 0.00352 | brown | BMP3,JUP,PRKACB,SOX4 |
| erlotinib | chemical drug | 0.00365 | brown | MME,PTEN,TNFRSF10B |
| MYC | transcription regulator | 0.00445 | brown | ALOX5,APCDD1,CD44,CD9,COBLL1,MYO1C,PEG10,PRKACB,PTEN,RHOB,TLE1,TNFRSF10B |
| curcumin | chemical drug | 0.00475 | brown | ALOX5,CD44,CDC14B,PTEN,TNFRSF10B,YPEL1 |
| hexacosanoyl-coenzyme A | chemical - endogenous non-mammalian | 0.00523 | brown | ALOX5 |
| pivalyloxymethyl butyrate | chemical drug | 0.00523 | brown | ATP2A3 |
| toyocamycin | chemical - endogenous non-mammalian | 0.00523 | brown | XBP1 |
| bovine testicular hyaluronidase | biologic drug | 0.00523 | brown | CD44 |
| OTUD3 | peptidase | 0.00523 | brown | PTEN |
| NLRP10 | other | 0.00523 | brown | ALOX5 |
| RND2 | enzyme | 0.00523 | brown | RHOB |
| APPL2 | other | 0.00523 | brown | HRK |
| TNRC6B | other | 0.00523 | brown | PTEN |
| MLLT11 | other | 0.00523 | brown | CD44 |
| PTENP1 | other | 0.00523 | brown | PTEN |
| DSC2 | other | 0.00523 | brown | CD44 |
| 2700046G09Rik | other | 0.00523 | brown | PTEN |
| HMGA1 | transcription regulator | 0.00523 | brown | CD44,CTSH,RHOB,SOX4 |
| Rho gdi | group | 0.00523 | brown | RHOB |
| 5-fluorouracil/irinotecan/leucovorin | chemical drug | 0.00523 | brown | XBP1 |
| ABI2 | other | 0.00523 | brown | WASF1 |
| miR-216a-5p (miRNAs w/seed AAUCUCA) | mature microRNA | 0.00523 | brown | PTEN |
| EMILIN1 | other | 0.00523 | brown | PTEN |
| PPM1L | phosphatase | 0.00523 | brown | XBP1 |
| KPNB1 | transporter | 0.00523 | brown | TNFRSF10B |
| PDPN | other | 0.00523 | brown | CD44 |
| CDKL2 | kinase | 0.00523 | brown | CD44 |
| ZNF433 | transcription regulator | 0.00523 | brown | ALOX5 |
| SRRM1 | other | 0.00523 | brown | CD44 |
| BGLT3 | other | 0.00523 | brown | PTEN |
| dihydrotanshinone I | chemical reagent | 0.00523 | brown | TNFRSF10B |
| SLC25A5 | transporter | 0.00523 | brown | TNFRSF10B |
| CGP 52608 | chemical reagent | 0.00523 | brown | ALOX5 |
| MKC-3946 | chemical reagent | 0.00523 | brown | XBP1 |
| astragalus saponin | chemical reagent | 0.00523 | brown | XBP1 |
| phenylpropanoic acid | chemical - endogenous mammalian | 0.00523 | brown | ATP2A3 |
| isobutyric acid | chemical - endogenous non-mammalian | 0.00523 | brown | ATP2A3 |
| kenpaullone | chemical reagent | 0.00523 | brown | TNFRSF10B |
| isovaleric acid | chemical - endogenous mammalian | 0.00523 | brown | ATP2A3 |
| EP300 | transcription regulator | 0.00534 | brown | CDC42EP3,JUP,LIG4,MME,PTEN,TNFRSF10B,XBP1 |
| RBPJ | transcription regulator | 0.00581 | brown | BMP3,CD44,SOX4,WASF1 |
| tretinoin | chemical - endogenous mammalian | 0.00593 | brown | ALOX5,APCDD1,ATP2A3,CD44,CD9,DAZL,HMCES,MYO1C,PEG10,PTEN,SOX4,TLE1,TNFRSF10B,XBP1,YPEL1 |
| CXCL8 | cytokine | 0.00613 | brown | ACKR3,CD44,TNFRSF10B |
| CDH1 | other | 0.00613 | brown | CD44,JUP,PTEN |
| mir-183 | microRNA | 0.00638 | brown | JUP,PTEN |
| ceruletide | biologic drug | 0.00638 | brown | MME,XBP1 |
| L-dopa | chemical - endogenous mammalian | 0.00641 | brown | ATP2A3,BTBD3,CDC42EP3,FAM81A,NT5E,PARM1,PLD4,TLE1,VANGL2 |
| TRB | transmembrane receptor | 0.00693 | brown | CD44,NT5E |
| SOX11 | transcription regulator | 0.00713 | brown | CD9,MSI2,YPEL1 |
| TWIST1 | transcription regulator | 0.00742 | brown | CD44,MME,NT5E,TNFRSF21 |
| HNRNPA2B1 | other | 0.00742 | brown | JUP,PEG10,RIMKLB,TLE1 |
| mir-19 | microRNA | 0.00751 | brown | ALOX5,PTEN |
| E. coli B5 lipopolysaccharide | chemical - endogenous non-mammalian | 0.00757 | brown | ACKR3,CD44,FMO1,PTEN,RHOB |
| filgrastim | biologic drug | 0.00799 | brown | ALOX5,CD44,CDC42EP3,MME,PLAG1,PLD4,XBP1 |
| CDH11 | other | 0.00811 | brown | CD9,JUP |
| TIMP1 | cytokine | 0.00811 | brown | CD44,MME |
| HOXA7 | transcription regulator | 0.00811 | brown | MSI2,SOX4 |
| HDAC1 | transcription regulator | 0.0084 | brown | CD44,MME,PTEN,RGS10,RHOB |
| TGFB1 | growth factor | 0.00849 | brown | ALOX5,CD44,CDC42EP3,CTSH,JUP,MGAT4A,MIA2,MYO1C,NT5E,PTEN,RAB31,RHOB,SOX4,TBC1D1,TTC28,XBP1 |
| mir-132 | microRNA | 0.00873 | brown | PTEN,SOX4 |
| Immunoglobulin | complex | 0.00887 | brown | CD44,IKZF2,JUP,NT5E,RAB31,XBP1 |
| caspase | group | 0.00937 | brown | HRK,PTEN |
| miR-26a-5p (and other miRNAs w/seed UCAAGUA) | mature microRNA | 0.00937 | brown | PLAG1,PTEN |
| 4-hydroxynonenal | chemical toxicant | 0.00937 | brown | MME,PTEN |
| mir-10 | microRNA | 0.00942 | brown | ALOX5,CD44,TBC1D1 |
| POU2F2 | transcription regulator | 0.00942 | brown | ALOX5,TNFRSF21,XBP1 |
| miR-155-5p (miRNAs w/seed UAAUGCU) | mature microRNA | 0.00993 | brown | MSI2,NT5E,PTPRJ,RAB34 |
| beta-estradiol | chemical - endogenous mammalian | 0.01 | brown | ACKR3,APCDD1,BACE2,CD44,CPM,CTSH,FMO1,HRK,MME,MPPED2,PITPNM2,PON2,PTEN,RAB31,SOX4,TRIB2,XBP1 |
| TNFSF13 | cytokine | 0.01 | brown | IGHG1,XBP1 |
| gentamicin C1 | chemical drug | 0.0104 | brown | CD44 |
| H. carbonum toxin | biologic drug | 0.0104 | brown | ATP2A3 |
| chartreusin | chemical reagent | 0.0104 | brown | TNFRSF10B |
| SFTPA2 | other | 0.0104 | brown | XBP1 |
| MBNL3 | transcription regulator | 0.0104 | brown | CD44 |
| GSDMB | other | 0.0104 | brown | ALOX5 |
| MLXIP | transcription regulator | 0.0104 | brown | ARRDC4 |
| OIP5-AS1 | other | 0.0104 | brown | PTEN |
| dinaciclib | chemical drug | 0.0104 | brown | XBP1 |
| olaparib | chemical drug | 0.0104 | brown | TNFRSF10B |
| mir-3473 | microRNA | 0.0104 | brown | PTEN |
| lanatoside C | chemical - endogenous non-mammalian | 0.0104 | brown | TNFRSF10B |
| NCKAP1 | other | 0.0104 | brown | WASF1 |
| ABI1 | other | 0.0104 | brown | WASF1 |
| RBM3 | other | 0.0104 | brown | CD44 |
| DOCK3 | other | 0.0104 | brown | WASF1 |
| verticillin A | chemical reagent | 0.0104 | brown | TNFRSF10B |
| buformin | chemical drug | 0.0104 | brown | XBP1 |
| inostamycin | chemical reagent | 0.0104 | brown | TNFRSF10B |
| hexanoic acid | chemical - endogenous mammalian | 0.0104 | brown | ATP2A3 |
| epoxyeicosatrienoic acid | chemical - other | 0.0104 | brown | ALOX5 |
| digitoxin | chemical drug | 0.0104 | brown | TNFRSF10B |
| ANXA2 | other | 0.0107 | brown | PTEN,TNFRSF10B |
| hymecromone | chemical drug | 0.0107 | brown | ACKR3,CD44 |
| miR-291a-3p (and other miRNAs w/seed AAGUGCU) | mature microRNA | 0.011 | brown | CD44,PRKACB,TMEM14A |
| HRAS | enzyme | 0.0113 | brown | ASAP1,CD44,JUP,MYO1C,PTEN,RHOB,SOX4,TNFRSF10B |
| SP600125 | chemical - kinase inhibitor | 0.0118 | brown | ALOX5,CD2AP,CD44,CPM,TNFRSF10B |
| MEIS1 | transcription regulator | 0.0121 | brown | IKZF2,TRIB2 |
| INHBA | growth factor | 0.0127 | brown | MPPED2,PTEN,SOX4,VANGL2 |
| CD4 | transmembrane receptor | 0.0129 | brown | MME,TNFRSF10B |
| LY294002 | chemical - kinase inhibitor | 0.0131 | brown | ACKR3,CD2AP,CD44,JUP,PTEN,PTPRJ,TRIB2 |
| hyaluronic acid | chemical - endogenous mammalian | 0.0136 | brown | ACKR3,CD44,PTEN |
| SETD2 | enzyme | 0.0136 | brown | PTEN,RHOB |
| ESR1 | ligand-dependent nuclear receptor | 0.0141 | brown | ACKR3,ALOX5,ATP2A3,CDC42EP3,CPM,HDGFL3,MME,PRKACB,PTEN,RAB31,SOX4,XBP1,YPEL1 |
| N-cor | group | 0.0143 | brown | ASAP1,RHOB,RNF144B |
| ALB | transporter | 0.0144 | brown | IGHG1,XBP1 |
| CTBP1 | enzyme | 0.0144 | brown | ACKR3,JUP |
| KMT2D | transcription regulator | 0.0153 | brown | ADGRA3,IKZF2,NT5E,RIMKLB |
| glycodeoxycholic acid | chemical - endogenous mammalian | 0.0156 | brown | TNFRSF10B |
| Beta Secretase | group | 0.0156 | brown | MME |
| ATOH7 | other | 0.0156 | brown | SOX4 |
| EDEM1 | enzyme | 0.0156 | brown | XBP1 |
| LEO1 | other | 0.0156 | brown | SOX4 |
| DERL1 | other | 0.0156 | brown | XBP1 |
| ITGBL1 | other | 0.0156 | brown | CD44 |
| NAA30 | enzyme | 0.0156 | brown | TNFRSF10B |
| SDF4 | other | 0.0156 | brown | XBP1 |
| CNDP2 | peptidase | 0.0156 | brown | CD44 |
| TTR | transporter | 0.0156 | brown | XBP1 |
| RAB27A | enzyme | 0.0156 | brown | CD44 |
| TRD | other | 0.0156 | brown | NT5E |
| miR-127-3p (miRNAs w/seed CGGAUCC) | mature microRNA | 0.0156 | brown | XBP1 |
| IGF2BP3 | translation regulator | 0.0156 | brown | CD44 |
| RPS5 | other | 0.0156 | brown | PTEN |
| MAGI2 | kinase | 0.0156 | brown | PTEN |
| NPHS2 | other | 0.0156 | brown | CD2AP |
| ATP2B4 | transporter | 0.0156 | brown | ATP2A3 |
| 8-butyl-10-[(3-methoxy-5-pyrrol-2-ylidenepyrrol-2-ylidene)methyl]-11-azabicyclo[7.2.1]dodeca-1(12),9-diene | chemical reagent | 0.0156 | brown | TNFRSF10B |
| 4-ethylsulfanylphenylmethylene hydantoin | chemical reagent | 0.0156 | brown | CD44 |
| 4-hydroxyphenylmethylene hydantoin | chemical reagent | 0.0156 | brown | CD44 |
| beta-lapachone | chemical drug | 0.0156 | brown | TNFRSF10B |
| oleandrin | chemical drug | 0.0156 | brown | TNFRSF10B |
| lactacystin | chemical - protease inhibitor | 0.0159 | brown | ATP2A3,CD9,PTEN,TNFRSF10B |
| Jnk | group | 0.0162 | brown | CD44,PON2,PTEN,TNFRSF10B |
| CD44 | other | 0.0162 | brown | ABCA5,ACKR3,CD44,LIMS2 |
| ID2 | transcription regulator | 0.0162 | brown | CD44,IKZF2,SOX4,VANGL2 |
| CD2 | transmembrane receptor | 0.0168 | brown | CD44,PTEN |
| GNA15 | enzyme | 0.0173 | brown | ACKR3,BMP3,FMO1 |
| ibuprofen | chemical drug | 0.0177 | brown | TNFRSF10B,TNFRSF21 |
| PI3K (family) | group | 0.0186 | brown | PTEN,SOX4,TNFRSF10B |
| celecoxib | chemical drug | 0.0186 | brown | ALOX5,HRK,TNFRSF10B |
| NR3C1 | ligand-dependent nuclear receptor | 0.0187 | brown | CDC42EP3,PRKACB,PTEN,RHOB,SOX4,TLE3,TNFRSF10B,TNFRSF21 |
| ID3 | transcription regulator | 0.0192 | brown | CD44,IKZF2,SOX4,VANGL2 |
| palmitic acid | chemical - endogenous mammalian | 0.0192 | brown | MGAT4A,PTEN,TNFRSF10B,XBP1 |
| PAX3 | transcription regulator | 0.0196 | brown | P2RX1,RAB31,RHOB,SOX4 |
| IL4 | cytokine | 0.02 | brown | ALOX5,CD44,CLEC4C,COBLL1,GLIPR2,IGHG1,LIG4,TLE1,XBP1 |
| quercetin | chemical drug | 0.02 | brown | ARRDC4,PON2,TNFRSF10B |
| PDGF BB | complex | 0.0201 | brown | ACKR3,BMP3,CD44,FMO1,RHOB |
| BCL6 | transcription regulator | 0.0202 | brown | CD44,HNRNPLL,PTEN,XBP1 |
| CD36 | transmembrane receptor | 0.0204 | brown | TNFRSF10B,XBP1 |
| ETS1 | transcription regulator | 0.0205 | brown | ATP2A3,CD44,IKZF2,PEG10 |
| tyrosine kinase | group | 0.0208 | brown | CD44 |
| Hbb | other | 0.0208 | brown | GDF11 |
| IGF2BP2 | translation regulator | 0.0208 | brown | LIMS2 |
| ATF6B | transcription regulator | 0.0208 | brown | XBP1 |
| USE1 | other | 0.0208 | brown | XBP1 |
| TRIM65 | other | 0.0208 | brown | PTEN |
| VLDL | complex | 0.0208 | brown | PON2 |
| NXF1 | other | 0.0208 | brown | CD44 |
| MBNL1 | other | 0.0208 | brown | PTEN |
| RPS11 | other | 0.0208 | brown | PTEN |
| BCAP31 | transporter | 0.0208 | brown | CD9 |
| miR-328-3p (and other miRNAs w/seed UGGCCCU) | mature microRNA | 0.0208 | brown | CD44 |
| crocin | chemical drug | 0.0208 | brown | XBP1 |
| WFS1 | enzyme | 0.0208 | brown | XBP1 |
| PTP4A2 | phosphatase | 0.0208 | brown | PTEN |
| RPS18 | other | 0.0208 | brown | PTEN |
| NDFIP2 | other | 0.0208 | brown | PTEN |
| PLK3 | kinase | 0.0208 | brown | PTEN |
| HLA-B | transmembrane receptor | 0.0208 | brown | XBP1 |
| RPL5 | other | 0.0208 | brown | PTEN |
| RPS12 | other | 0.0208 | brown | PTEN |
| RPS15 | other | 0.0208 | brown | PTEN |
| phenformin | chemical drug | 0.0208 | brown | XBP1 |
| tipifarnib | chemical drug | 0.0208 | brown | TNFRSF10B |
| pentamidine | chemical drug | 0.0208 | brown | TNFRSF10B |
| (-)-isoproterenol | chemical drug | 0.0208 | brown | CD44 |
| bupropion | chemical drug | 0.0208 | brown | TNFRSF10B |
| butylphen | chemical toxicant | 0.0208 | brown | TNFRSF10B |
| retinaldehyde | chemical - endogenous mammalian | 0.0208 | brown | CD44 |
| aclarubicin | chemical drug | 0.0208 | brown | TNFRSF10B |
| emetine | chemical toxicant | 0.0208 | brown | PTEN |
| triacylglycerol | chemical - endogenous mammalian | 0.0208 | brown | PON2 |
| pentanoic acid | chemical - endogenous mammalian | 0.0208 | brown | ATP2A3 |
| erucic acid | chemical - endogenous non-mammalian | 0.0208 | brown | ALOX5 |
| POU5F1 | transcription regulator | 0.0212 | brown | APCDD1,COBLL1,HRK,TNFRSF10B,TNFRSF21 |
| triamcinolone acetonide | chemical drug | 0.0219 | brown | CD44,SOX4,TBC1D1,TRIB2 |
| forskolin | chemical toxicant | 0.022 | brown | CD44,CD9,NT5E,PEG10,PTEN,RAB31,RHOB,TLE3 |
| BAX | transporter | 0.0222 | brown | CTSH,XBP1 |
| HSPA5 | enzyme | 0.0222 | brown | PTEN,XBP1 |
| APC | enzyme | 0.0225 | brown | APCDD1,CD44,PTEN |
| trans-hydroxytamoxifen | chemical drug | 0.0225 | brown | CTSH,MPPED2,RAB31 |
| BCR (complex) | complex | 0.023 | brown | CD44,IGHG1,XBP1 |
| IL24 | cytokine | 0.0232 | brown | LIG4,XBP1 |
| arsenic trioxide | chemical drug | 0.0234 | brown | CD44,PTEN,RAB31,TNFRSF10B,XBP1 |
| cisplatin | chemical drug | 0.0237 | brown | AHNAK2,CD44,CDC14B,HDGFL3,PCNX2,PTEN,RNF144B,TNFRSF10B |
| IL3 | cytokine | 0.0239 | brown | CLEC4C,HRK,MYO1C,SOX4,XBP1 |
| mir-8 | microRNA | 0.0245 | brown | PLAG1,PTEN,XBP1 |
| CLEC11A | growth factor | 0.0251 | brown | ALOX5,HRK |
| indomethacin | chemical drug | 0.0252 | brown | ALOX5,CD44,TNFRSF10B,TNFRSF21 |
| Histone h3 | group | 0.0253 | brown | ACKR3,CD9,PTEN,RGS10,WASF1,XBP1 |
| globotriaosylceramide | chemical - endogenous mammalian | 0.0259 | brown | CD44 |
| C9orf116 | other | 0.0259 | brown | PTEN |
| Erm | group | 0.0259 | brown | CD44 |
| edratide | biologic drug | 0.0259 | brown | CD44 |
| ESRP1 | other | 0.0259 | brown | CD44 |
| TRIM29 | transcription regulator | 0.0259 | brown | CD44 |
| ZMIZ2 | transcription regulator | 0.0259 | brown | CD44 |
| ZDHHC2 | enzyme | 0.0259 | brown | CD9 |
| CRBN | enzyme | 0.0259 | brown | XBP1 |
| ERN2 | kinase | 0.0259 | brown | XBP1 |
| KRT19 | other | 0.0259 | brown | PTEN |
| LOC102724788/PRODH | enzyme | 0.0259 | brown | TNFRSF10B |
| UTRN | transmembrane receptor | 0.0259 | brown | MYBPC2 |
| MSH2 | enzyme | 0.0259 | brown | IGHG1 |
| MYCT1 | other | 0.0259 | brown | CD9 |
| VCAM1 | transmembrane receptor | 0.0259 | brown | CD44 |
| enzastaurin | chemical drug | 0.0259 | brown | TNFRSF10B |
| AR-A014418 | chemical reagent | 0.0259 | brown | CD44 |
| paxilline | chemical - endogenous non-mammalian | 0.0259 | brown | TNFRSF10B |
| chlorine | chemical toxicant | 0.0259 | brown | ALOX5 |
| acetyl-11-keto-beta-boswellic acid | chemical reagent | 0.0259 | brown | TNFRSF10B |
| ethanol | chemical - endogenous mammalian | 0.027 | brown | ACKR3,ALOX5,MME,PTEN,RHOB |
| fluocinolone acetonide | chemical drug | 0.0272 | brown | BMP3,TMEM14A |
| AR | ligand-dependent nuclear receptor | 0.0279 | brown | ADGRA3,MME,P2RX1,PTEN,RHOB,XBP1 |
| IFNA2 | cytokine | 0.0288 | brown | ALOX5,NT5E,TNFRSF10B,XBP1 |
| miR-133a-3p (and other miRNAs w/seed UUGGUCC) | mature microRNA | 0.0303 | brown | BTBD3,TNFRSF10B |
| FGF10 | growth factor | 0.0303 | brown | CTSH,PTEN |
| miR-124-3p (and other miRNAs w/seed AAGGCAC) | mature microRNA | 0.0304 | brown | CDC14B,FCHO2,SLC50A1,TNFRSF21 |
| BLVRA | enzyme | 0.031 | brown | TNFRSF10B |
| PROP1 | transcription regulator | 0.031 | brown | TLE3 |
| LOC100288798 | other | 0.031 | brown | CD9 |
| urotensin II | biologic drug | 0.031 | brown | ALOX5 |
| VCL | enzyme | 0.031 | brown | PTEN |
| ABCD2 | transporter | 0.031 | brown | ALOX5 |
| SEMA4D | transmembrane receptor | 0.031 | brown | IGHG1 |
| GNB5 | enzyme | 0.031 | brown | TNFRSF10B |
| HAS1 | enzyme | 0.031 | brown | CD44 |
| miR-219a-5p (and other miRNAs w/seed GAUUGUC) | mature microRNA | 0.031 | brown | ALOX5 |
| ATP2B2 | transporter | 0.031 | brown | XBP1 |
| AFF1 | transcription regulator | 0.031 | brown | PTEN |
| MFAP2 | other | 0.031 | brown | CDC42EP3 |
| Immunoglobulin Lambda Light Chain | group | 0.031 | brown | XBP1 |
| perifosine | chemical drug | 0.031 | brown | TNFRSF10B |
| 2-morpholin-4-yl-6-thianthren-1-yl-pyran-4-one | chemical reagent | 0.031 | brown | TNFRSF10B |
| chlorambucil | chemical drug | 0.031 | brown | TNFRSF10B |
| lacto-N-fucopentaose III | chemical - endogenous mammalian | 0.031 | brown | IGHG1 |
| estrogen receptor | group | 0.0313 | brown | CD44,JUP,NT5E,XBP1 |
| PLAG1 | transcription regulator | 0.0325 | brown | P2RX1,PLAG1 |
| TERT | enzyme | 0.0333 | brown | ASAP1,JUP,XBP1 |
| trichloroethylene | chemical toxicant | 0.0336 | brown | PTEN,RHOB |
| benzene | chemical toxicant | 0.0336 | brown | PTEN,RHOB |
| PRKAA1 | kinase | 0.0339 | brown | ACKR3,CDC42EP3,PRKACB |
| lipopolysaccharide | chemical drug | 0.0341 | brown | ACKR3,ALOX5,ASAP1,CD2AP,CD44,CD9,CDC42EP3,CLEC4C,HDGFL3,IGHG1,MME,PLD4,RHOB,XBP1 |
| SYVN1 | transporter | 0.0345 | brown | CD44,PTPRJ,RAB34 |
| WNT3A | cytokine | 0.0349 | brown | ARRDC4,CD44,IKZF2,XBP1 |
| FAS | transmembrane receptor | 0.0355 | brown | CD44,MME,P2RX1,RAPGEF5,TBC1D1 |
| mir-21 | microRNA | 0.0358 | brown | IGHG1,PTEN,RHOB,TBC1D1 |
| 5-azacytidine | chemical drug | 0.0358 | brown | CD44,RHOB,TNFRSF10B |
| BRAF | kinase | 0.0359 | brown | TNFRSF10B,XBP1 |
| 16,16-dimethylprostaglandin E2 | chemical - endogenous mammalian | 0.0361 | brown | CD44 |
| flavokawain B | chemical - endogenous non-mammalian | 0.0361 | brown | TNFRSF10B |
| CTSV | peptidase | 0.0361 | brown | CD2AP |
| TEAD | group | 0.0361 | brown | CD44 |
| SLC5A8 | transporter | 0.0361 | brown | TNFRSF10B |
| MFN2 | enzyme | 0.0361 | brown | XBP1 |
| DLG1 | kinase | 0.0361 | brown | PTEN |
| REV1 | enzyme | 0.0361 | brown | TNFRSF10B |
| miR-494-3p (miRNAs w/seed GAAACAU) | mature microRNA | 0.0361 | brown | PTEN |
| KHDRBS1 | transcription regulator | 0.0361 | brown | CD44 |
| CSNK2A2 | kinase | 0.0361 | brown | JUP |
| PLA2G2A | enzyme | 0.0361 | brown | CD44 |
| casticin | chemical - endogenous non-mammalian | 0.0361 | brown | TNFRSF10B |
| TNRC6A | other | 0.0361 | brown | PTEN |
| RBFOX2 | transcription regulator | 0.0361 | brown | PTEN |
| PCBP1 | translation regulator | 0.0361 | brown | CD44 |
| brimonidine | chemical drug | 0.0361 | brown | JUP |
| phospholipid | chemical - endogenous mammalian | 0.0361 | brown | ALOX5 |
| silibinin | chemical drug | 0.037 | brown | CD44,TNFRSF10B |
| lomustine | chemical drug | 0.037 | brown | CD44,TNFRSF10B |
| HOXD10 | transcription regulator | 0.0382 | brown | CD44,RHOB |
| 3,3'-diindolylmethane | chemical drug | 0.0382 | brown | PTEN,TNFRSF10B |
| IRF4 | transcription regulator | 0.0391 | brown | IKZF2,RHOB,XBP1 |
| RHO | G-protein coupled receptor | 0.0394 | brown | CD44,NT5E |
| genistein | chemical drug | 0.0402 | brown | ALOX5,CD44,CTSH,PTEN,TICAM2 |
| decitabine | chemical drug | 0.0404 | brown | ADAM23,ALOX5,CD44,CD9,JUP,NEIL1 |
| FOXL2 | transcription regulator | 0.0406 | brown | CPM,SOX4 |
| ATF6 | transcription regulator | 0.0406 | brown | TNFRSF10B,XBP1 |
| HIC1 | transcription regulator | 0.0406 | brown | ACKR3,AHNAK2 |
| TCIRG1 | enzyme | 0.0411 | brown | CD44 |
| SAV1 | other | 0.0411 | brown | SOX4 |
| (±)-2-hydroxyoleic acid | chemical drug | 0.0411 | brown | XBP1 |
| CNOT6L | enzyme | 0.0411 | brown | PTEN |
| MALT1 | peptidase | 0.0411 | brown | CD44 |
| mir-217 | microRNA | 0.0411 | brown | PTEN |
| HAS2 | enzyme | 0.0411 | brown | CD44 |
| CR2 | transmembrane receptor | 0.0411 | brown | IGHG1 |
| CCX771 | chemical reagent | 0.0411 | brown | CD44 |
| DDB1 | other | 0.0411 | brown | PTEN |
| capsazepine | chemical toxicant | 0.0411 | brown | TNFRSF10B |
| pepstatin | chemical - protease inhibitor | 0.0411 | brown | CD9 |
| arachidic acid | chemical - endogenous mammalian | 0.0411 | brown | XBP1 |
| TAZ | enzyme | 0.0418 | brown | AHNAK2,CD44 |
| methylmercury | chemical toxicant | 0.0418 | brown | PTEN,RHOB |
| romidepsin | biologic drug | 0.0418 | brown | RHOB,TNFRSF10B |
| Igm | complex | 0.043 | brown | CD44,XBP1 |
| CREBBP | transcription regulator | 0.0431 | brown | CD44,CDC42EP3,JUP,LIG4,TNFRSF10B |
| STAT6 | transcription regulator | 0.0433 | brown | COBLL1,IGHG1,TLE1,XBP1 |
| TP63 | transcription regulator | 0.0435 | brown | MRPL41,NT5E,PCNX2,PTEN,TNFRSF10B |
| androgen | chemical drug | 0.0441 | brown | CD44,PTEN,SOX4 |
| mifepristone | chemical drug | 0.0449 | brown | MME,RHOB,TNFRSF10B,XBP1 |
| tributyrin | chemical drug | 0.0455 | brown | ATP2A3,MME |
| Akt | group | 0.0459 | brown | CD44,RHOB,SOX4,XBP1 |
| 8,9-epoxyeicosatrienoic acid | chemical - endogenous mammalian | 0.0461 | brown | CD44 |
| APC/APC2 | group | 0.0461 | brown | JUP |
| TGFBR | group | 0.0461 | brown | CD44 |
| Bcl9-Cbp/p300-Ctnnb1-Lef/Tcf | complex | 0.0461 | brown | CD44 |
| ABCD1 | transporter | 0.0461 | brown | ALOX5 |
| TRG | other | 0.0461 | brown | NT5E |
| PRF1 | transporter | 0.0461 | brown | CD44 |
| TPM3 | other | 0.0461 | brown | TNFRSF10B |
| MAPKAP1 | other | 0.0461 | brown | PTEN |
| ENTPD1 | enzyme | 0.0461 | brown | P2RX1 |
| IL21R | transmembrane receptor | 0.0461 | brown | IGHG1 |
| pevonedistat | chemical drug | 0.0461 | brown | TNFRSF10B |
| prodigiosin | chemical toxicant | 0.0461 | brown | TNFRSF10B |
| terbutaline | chemical drug | 0.0461 | brown | IGHG1 |
| tridecanoic acid | chemical - endogenous mammalian | 0.0461 | brown | PTEN |
| JUND | transcription regulator | 0.0481 | brown | IKZF2,SOX4 |
| vorinostat | chemical drug | 0.0493 | brown | ATP2A3,HRK,TNFRSF10B |
| SOX11 | transcription regulator | 0.00000946 | blue | CD58,MSI2,NREP,SOCS5,VPREB3,YPEL1 |
| SOX4 | transcription regulator | 0.000701 | blue | CTNNA1,EVL,NREP,STAG3,TBXA2R,TMEM131L |
| BRD1 | other | 0.00115 | blue | ZC3H15,ZNF226 |
| PRDM5 | transcription regulator | 0.00146 | blue | EVL,GADD45B,NREP,PPIL2 |
| RCE1 | peptidase | 0.00208 | blue | AEBP1,RCN2,SP1 |
| LMNB1 | other | 0.00401 | blue | AEBP1,RCN2,SP1 |
| DPH5 | enzyme | 0.00477 | blue | SMAD3,SP1 |
| camptothecin | chemical drug | 0.00544 | blue | GADD45B,H3F3A/H3F3B,MICAL3,PIK3C2B,PIK3CA,PSD4,RASGRP2,RBMS1,SPTBN1,TBC1D1 |
| GRSF1 | other | 0.00653 | blue | AGO2 |
| boldine | chemical - endogenous non-mammalian | 0.00653 | blue | NCF1 |
| KHK | kinase | 0.00653 | blue | SLC2A5 |
| PJA1 | enzyme | 0.00653 | blue | SPTBN1 |
| mir-184 | microRNA | 0.00653 | blue | AGO2 |
| RAB11A | enzyme | 0.00653 | blue | SLC2A5 |
| ANK2 | other | 0.00653 | blue | SPTBN1 |
| P4HA1 | enzyme | 0.00653 | blue | AGO2 |
| matrine | chemical reagent | 0.00653 | blue | SP1 |
| pectin | chemical drug | 0.00653 | blue | SMAD3 |
| oxymatrine | chemical drug | 0.00817 | blue | SMAD3,SP1 |
| NADPH oxidase | complex | 0.00895 | blue | NCF1,TBXA2R |
| ID3 | transcription regulator | 0.00908 | blue | ADGRG1,GADD45B,PIK3C2B,PIK3R5,SOCS5 |
| SP3 | transcription regulator | 0.0107 | blue | AEBP1,PCYT1A,PGK1,RASGRP2,SP1 |
| HOXA7 | transcription regulator | 0.0124 | blue | ADGRG1,MSI2 |
| 4-hexylresorcinol | chemical reagent | 0.013 | blue | SP1 |
| SLC4A5 | transporter | 0.013 | blue | SPTBN1 |
| RNU7-1 | other | 0.013 | blue | H3F3A/H3F3B |
| TRIM32 | transcription regulator | 0.013 | blue | DTNBP1 |
| cyproconazole | chemical drug | 0.013 | blue | GADD45B |
| NUP98 | transporter | 0.013 | blue | YWHAH |
| miR-421-3p (and other miRNAs w/seed UCAACAG) | mature microRNA | 0.013 | blue | RBMXL1 |
| mir-383 | microRNA | 0.013 | blue | RBMS1 |
| DISC1 | other | 0.013 | blue | DTNBP1 |
| ADD2 | other | 0.013 | blue | ADD1 |
| imidapril | chemical drug | 0.013 | blue | NCF1 |
| oxazepam | chemical drug | 0.013 | blue | GADD45B |
| ICMT | enzyme | 0.0174 | blue | AEBP1,RCN2 |
| KLF3 | transcription regulator | 0.018 | blue | CTNNA1,GALNT1,SMAD3,SSBP2,VPREB3,ZC2HC1A |
| CTBP1-DT | other | 0.0194 | blue | SMAD3 |
| kahweol | chemical - endogenous non-mammalian | 0.0194 | blue | SP1 |
| APBA3 | transporter | 0.0194 | blue | PGK1 |
| P4HB | enzyme | 0.0194 | blue | AGO2 |
| Ank2 | other | 0.0194 | blue | SPTBN1 |
| ITGB8 | other | 0.0194 | blue | SMAD3 |
| ST3GAL5 | enzyme | 0.0194 | blue | PIK3CA |
| salsalate | chemical drug | 0.0194 | blue | NCF1 |
| tempol | chemical drug | 0.0195 | blue | NCF1,SP1 |
| SATB1 | transcription regulator | 0.0196 | blue | CTNNA1,GADD45B,RASGRP2,SMAD3 |
| Insulin | group | 0.0198 | blue | AEBP1,GUCY2C,NCF1,PGK1,SLC2A5,SP1 |
| beta-estradiol | chemical - endogenous mammalian | 0.0208 | blue | AEBP1,AGO2,AP1B1,COA1,FGD6,GADD45B,GALNT1,LHFPL2,NFATC3,PGK1,PIK3C2B,RASGRP2,RCN2,SMAD3,SP1,SSBP2,TMEM131L,YWHAH,ZBTB20 |
| miR-155-5p (miRNAs w/seed UAAUGCU) | mature microRNA | 0.0208 | blue | MSI2,PTPRJ,RCN2,SYPL1 |
| HTT | transcription regulator | 0.0208 | blue | ARHGEF7,CYFIP2,EVL,MPRIP,NREP,PIK3CA,RASGRP2,SP1,ST3GAL2 |
| APR-246 | chemical drug | 0.0218 | blue | GADD45B,MAP4 |
| CRNDE | other | 0.023 | blue | GADD45B,RASGRP2 |
| SP1 | transcription regulator | 0.0235 | blue | AEBP1,CD79B,PCYT1A,PGK1,RASGRP2,SMAD3,SP1,TBXA2R |
| olomoucine | chemical - kinase inhibitor | 0.0258 | blue | PCYT1A |
| S-18886 | chemical drug | 0.0258 | blue | NCF1 |
| ANKRD13C | other | 0.0258 | blue | TBXA2R |
| NEAT1 | other | 0.0258 | blue | EIF4G3 |
| miR-515-5p (and other miRNAs w/seed UCUCCAA) | mature microRNA | 0.0258 | blue | PIK3C2B |
| TXN2 | enzyme | 0.0258 | blue | NCF1 |
| FAS | transmembrane receptor | 0.0263 | blue | PIK3C2B,PIK3CA,PSD4,RASGRP2,SPTBN1,TBC1D1 |
| forskolin | chemical toxicant | 0.0285 | blue | ADGRG1,CYFIP2,GADD45B,H3F3A/H3F3B,PGK1,SLC2A5,SMAD3,SP1,SSBP1 |
| ZMPSTE24 | peptidase | 0.0293 | blue | GADD45B,SOCS5 |
| POU2AF1 | transcription regulator | 0.0307 | blue | CD79B,CTNNA1 |
| mir-1 | microRNA | 0.0314 | blue | ADD1,H3F3A/H3F3B,TMEM243 |
| G6PC3 | phosphatase | 0.0322 | blue | NCF1 |
| MRPL12 | other | 0.0322 | blue | SYPL1 |
| ST8SIA4 | enzyme | 0.0322 | blue | PIK3CA |
| TFDP2 | transcription regulator | 0.0322 | blue | STAG3 |
| NEDD4L | enzyme | 0.0322 | blue | PIK3CA |
| malondialdehyde | chemical toxicant | 0.0322 | blue | SP1 |
| ID2 | transcription regulator | 0.0331 | blue | GADD45B,PIK3C2B,PIK3R5,SOCS5 |
| miR-30c-5p (and other miRNAs w/seed GUAAACA) | mature microRNA | 0.0337 | blue | GALNT1,RBMS1,SYPL1 |
| Cyclin A | group | 0.0385 | blue | PCYT1A |
| urotensin II | biologic drug | 0.0385 | blue | SMAD3 |
| LIMS2 | other | 0.0385 | blue | CTNNA1 |
| CARD14 | other | 0.0385 | blue | PIK3CA |
| CAPNS1 | peptidase | 0.0385 | blue | PIK3CA |
| esculetin | chemical - endogenous non-mammalian | 0.0385 | blue | SP1 |
| curcuminoids | chemical drug | 0.0385 | blue | SP1 |
| trans-hydroxytamoxifen | chemical drug | 0.0395 | blue | LHFPL2,SMAD3,TMEM131L |
| DCN | other | 0.0422 | blue | SMAD3,TCHP |
| glucosylceramide | chemical - endogenous mammalian | 0.0448 | blue | PCYT1A |
| flavokawain B | chemical - endogenous non-mammalian | 0.0448 | blue | SP1 |
| Pki | group | 0.0448 | blue | SP1 |
| MED28 | other | 0.0448 | blue | AEBP1 |
| EEF1A2 | translation regulator | 0.0448 | blue | NCF1 |
| miR-346 (and other miRNAs w/seed GUCUGCC) | mature microRNA | 0.0448 | blue | AGO2 |
| FALEC | other | 0.0448 | blue | CYFIP2 |
| ZNF423 | transcription regulator | 0.0448 | blue | CD79B |
| nicorandil | chemical drug | 0.0448 | blue | NCF1 |
| Cu2+ | chemical - endogenous mammalian | 0.0448 | blue | SP1 |
| Hif1 | complex | 0.0469 | blue | BHLHE41,PGK1 |
| Pln | other | 0.0485 | blue | PGK1,RAB1A |
| PTGER4 | G-protein coupled receptor | 0.0495 | blue | FBXL20,LHFPL2,NCF1 |
| NTNG2 | other | 0.00191 | green | LRRC4 |
| miR-615-3p | mature microRNA | 0.00573 | green | LCOR |
| HIC1 | transcription regulator | 0.00605 | green | SFXN3,TNFAIP8 |
| PIP5K1A | kinase | 0.00763 | green | PIP5K1B |
| VLDL | complex | 0.00763 | green | PON2 |
| PIP5K1C | kinase | 0.00763 | green | PIP5K1B |
| triacylglycerol | chemical - endogenous mammalian | 0.00763 | green | PON2 |
| N-butyldeoxynojirimycin | chemical drug | 0.00763 | green | PAWR |
| HOXC11 | transcription regulator | 0.0114 | green | PAWR |
| ADAM21 | peptidase | 0.0133 | green | DHX32 |
| mir-503 | microRNA | 0.0133 | green | SMURF2 |
| CCR9 | G-protein coupled receptor | 0.0152 | green | DHX32 |
| CD53 | other | 0.0171 | green | DHX32 |
| L1CAM | other | 0.0208 | green | IDI1 |
| NPPC | other | 0.0208 | green | XYLT1 |
| PEX5L | ion channel | 0.0227 | green | IDI1 |
| NCOA1 | transcription regulator | 0.0263 | green | CHD9,PAWR |
| mir-322 | microRNA | 0.0265 | green | SMURF2 |
| miR-199a-3p (and other miRNAs w/seed CAGUAGU) | mature microRNA | 0.0265 | green | PON2 |
| IL1RL1 | transmembrane receptor | 0.0283 | green | PAWR |
| SIRT2 | transcription regulator | 0.0302 | green | IDI1 |
| SALL4 | transcription regulator | 0.0357 | green | LRRC4 |
| MFSD2A | transporter | 0.0376 | green | IDI1 |
| ezetimibe | chemical drug | 0.0376 | green | IDI1 |
| PBX3 | transcription regulator | 0.0394 | green | CHD9 |
| thapsigargin | chemical toxicant | 0.04 | green | KPNA1,PAWR |
| pitavastatin | chemical drug | 0.0413 | green | IDI1 |
| PKD1 | ion channel | 0.0445 | green | SFXN3,TNFAIP8 |
| TRIM37 | enzyme | 0.0486 | green | PAWR |
| rosuvastatin | chemical drug | 0.0486 | green | IDI1 |