**Supplementary table 2:** 640 anoikis-related genes

|  |
| --- |
| ID |
| BMF  |
| DAPK2  |
| E2F1  |
| STK11  |
| TFDP1  |
| ABHD4  |
| AFAP1L1  |
| AKT1  |
| AKT2  |
| ANGPTL4  |
| BAX  |
| BCAR1  |
| BCL2  |
| BCL2L11  |
| BIRC3  |
| BMF  |
| BRAF  |
| BRCA2  |
| BSG  |
| CALR  |
| CASP2  |
| CASP3  |
| CASP8  |
| CAV1  |
| CCAR2  |
| CD63  |
| CDCP1  |
| CDH1  |
| CDH2  |
| CDKN2A  |
| CEACAM6  |
| CEBPB  |
| CHUK  |
| CLDN1  |
| CLU  |
| CMA1  |
| COPS5  |
| CSNK2A1  |
| CSPG4  |
| CTNND1  |
| CTTN  |
| CXCL12  |
| DAP3  |
| DAPK1  |
| DLG1  |
| EDA2R  |
| EEF1A1  |
| EEF2K  |
| EGFR  |
| EIF2AK3  |
| ERBB4  |
| FER  |
| FGF2  |
| FN1  |
| HGF  |
| HK2  |
| HMCN1  |
| HMGA1  |
| HOXA10  |
| HTRA1  |
| IGF1R  |
| IKZF3  |
| ITGA2  |
| ITGA3  |
| ITGA4  |
| ITGA5  |
| ITGA6  |
| ITGA8  |
| ITGAV  |
| ITGB1  |
| KDR  |
| KL  |
| KRAS  |
| LGALS1  |
| LRP1  |
| LTB4R2  |
| MAPK1  |
| MAPK3  |
| MAVS  |
| MCL1  |
| MDM2  |
| MET  |
| MGAT5  |
| MIR200C  |
| MMP11  |
| MMP13  |
| MMP2  |
| MTA1  |
| MTOR  |
| MYBBP1A  |
| NRP1  |
| NTF3  |
| NTRK2  |
| OLFM3  |
| PAK1  |
| PAK4  |
| PECAM1  |
| PIK3CA  |
| PIK3CG  |
| PLK1  |
| PRKCA  |
| PRKD1  |
| PTEN  |
| PTHLH  |
| PTK2  |
| PTK2B  |
| PTK6  |
| PTPN11  |
| PTRH2  |
| RAD9A  |
| RHOA  |
| RHOC  |
| RIPK1  |
| ROCK1  |
| S100A4  |
| SCRIB  |
| SH3GLB1  |
| SIK1  |
| SIRPA  |
| SIRT3  |
| SKP2  |
| SLCO1B3  |
| SMAD4  |
| SNAI2  |
| SRC  |
| STAT3  |
| STK11  |
| TAGLN  |
| TGFB1  |
| THBS1  |
| TIMP1  |
| TP53  |
| TPM1  |
| UCHL1  |
| USP9X  |
| WISP3  |
| WNT2  |
| XIAP  |
| YWHAZ  |
| BRMS1 |
| PTK2 |
| NTRK2 |
| BCL2L11 |
| SRC |
| CEACAM6 |
| CAV1 |
| AKT1 |
| ITGB1 |
| CEACAM5 |
| EGFR |
| BCL2 |
| CASP8 |
| SIK1 |
| PTRH2 |
| STAT3 |
| TLE1 |
| DAPK2 |
| CTNNB1 |
| ZNF304 |
| MAPK1 |
| BMF |
| ITGA5 |
| TP53 |
| MCL1 |
| BCL2L1 |
| CASP3 |
| CDH1 |
| BAD |
| PIK3CA |
| PAK1 |
| ITGAV |
| FN1 |
| MAPK3 |
| PTGS2 |
| BAX |
| BCAR1 |
| PTEN |
| ERBB2 |
| ANGPTL4 |
| PDK4 |
| CYCS |
| BRAF |
| YAP1 |
| ANKRD13C |
| ITGA2 |
| ANXA5 |
| BIRC5 |
| MTOR |
| TIMP1 |
| BDNF |
| CSPG4 |
| BSG |
| AKT2 |
| STK11 |
| IGF1 |
| IGF1R |
| ITGA6 |
| ILK |
| CFLAR |
| RHOA |
| HIF1A |
| DAP3 |
| MYBBP1A |
| TLE5 |
| ITGA3 |
| PTK2B |
| CCND1 |
| CTTN |
| CALR |
| ATF4 |
| CDCP1 |
| PLAUR |
| SKP2 |
| CHEK2 |
| HGF |
| E2F1 |
| EGF |
| PIK3CG |
| ITGB4 |
| DAPK1 |
| MAPK8 |
| PIK3R1 |
| PIK3R3 |
| MAP2K1 |
| CXCL12 |
| LGALS3 |
| FBXW7-AS1 |
| BAK1 |
| ABHD4 |
| CD44 |
| ITGA4 |
| FADD |
| PHLDA2 |
| TGFB1 |
| HMCN1 |
| MMP2 |
| CEBPB |
| CEMIP |
| CDKN3 |
| CBL |
| CASP9 |
| SFN |
| MTDH |
| PRKCA |
| TNFRSF10B |
| CXCL8 |
| MIR200C |
| AR |
| CDKN2A |
| CPT1A |
| PIK3CB |
| CLDN1 |
| MIR204 |
| MIR26A1 |
| CDKN1A |
| CDKN1B |
| KLF12 |
| NTRK1 |
| PLAU |
| MYC |
| SMAD4 |
| PLK1 |
| MUC1 |
| LGALS1 |
| PYCARD |
| SESN2 |
| ITGB3 |
| KRAS |
| THBS1 |
| BID |
| HRAS |
| CDK11B |
| CDK11A |
| XIAP |
| PPARG |
| IL6 |
| MIR145 |
| CCR7 |
| MSLN |
| RAC1 |
| GRHL2 |
| BIRC3 |
| NOTCH1 |
| RHOG |
| CCAR2 |
| NQO1 |
| MMP13 |
| FAS |
| MTA1 |
| MYO5A |
| EDA2R |
| CCN6 |
| MMP9 |
| ABL1 |
| MAPK11 |
| SOD2 |
| PTHLH |
| PDGFB |
| GLI2 |
| EZH2 |
| RIPK1 |
| CXCR4 |
| HMGA1 |
| SIK2 |
| TNFSF10 |
| ANGPTL2 |
| S100A4 |
| NTF3 |
| ETV4 |
| MIR21 |
| MIR124-1 |
| HTRA1 |
| LATS1 |
| CEACAM3 |
| EIF2AK3 |
| LAMC2 |
| LAMA3 |
| LAMB3 |
| CDH2 |
| CSNK2A1 |
| EDIL3 |
| ZEB2 |
| TLN1 |
| EPHA2 |
| SIRT3 |
| OLFM3 |
| CLU |
| SPINK1 |
| CPEB2 |
| NAT1 |
| TSG101 |
| MIR200A |
| MIR6744 |
| SERPINA1 |
| AKT3 |
| RELA |
| TNFRSF1A |
| FASLG |
| AFP |
| ITGA8 |
| NOX4 |
| PBK |
| SATB1 |
| CD63 |
| EEF1A1 |
| LTB4R2 |
| MAVS |
| HRC |
| CCN2 |
| RHOB |
| PPP1R13B |
| PLG |
| MET |
| RAF1 |
| PARP1 |
| PRKCQ |
| BRCA2 |
| RB1 |
| SP1 |
| HAVCR2 |
| DOCK1 |
| VTN |
| INHBB |
| PDCD4 |
| PRPF4B |
| RANBP9 |
| SESN1 |
| SESN3 |
| CD24 |
| ZBTB7A |
| MIR141 |
| ELANE |
| KDR |
| MDM2 |
| NFE2L2 |
| ZEB1 |
| KL |
| PRKCI |
| CRYAB |
| EPHB6 |
| FGF2 |
| HK2 |
| LTF |
| IQGAP1 |
| MGAT5 |
| SDCBP |
| ABHD2 |
| SPIB |
| TRIM31 |
| MIR1827 |
| PDGFRB |
| PLAT |
| TLR3 |
| NRAS |
| ROCK1 |
| PAK4 |
| VEGFA |
| CASP10 |
| PIN1 |
| IL1RAP |
| UBE2C |
| YWHAZ |
| TWIST1 |
| BMP6 |
| BNIP3L |
| ELK1 |
| KDM3A |
| PRDX4 |
| BNIP3 |
| LMO3 |
| ZNF32 |
| MIR200B |
| MIR525 |
| MIR363 |
| TUBB3 |
| HSP90B1 |
| SLC2A1 |
| HMOX1 |
| PTPN11 |
| PRKACA |
| PAK3 |
| CD36 |
| PIK3R2 |
| PPP2CA |
| CASP6 |
| CDH3 |
| EEF2K |
| LRP1 |
| PAK2 |
| PTK6 |
| LPAR1 |
| TCF7L2 |
| CEACAM1 |
| GDF2 |
| GLO1 |
| IL17A |
| RBL2 |
| SIRPA |
| TRAF2 |
| ADCY10 |
| VPS37A |
| TNFRSF12A |
| APOBEC3G |
| BAG1 |
| COL13A1 |
| MNX1 |
| RAD9A |
| IFI27 |
| MEGF11 |
| ITPRIP |
| BCL2L15 |
| SNAI2 |
| PTPN1 |
| NOTCH3 |
| GLUD1 |
| SIRT1 |
| FASN |
| MYH9 |
| RPS6KB1 |
| TPM1 |
| PPP2R1A |
| COL4A2 |
| CTNND1 |
| CD151 |
| MMP11 |
| ARHGEF7 |
| PPP2R2A |
| SEMA7A |
| PPP2R5A |
| BST2 |
| CCN1 |
| PPP2R2D |
| CCDC178 |
| MIR10A |
| MIR30B |
| MIR30C1 |
| SHC1 |
| BUB1 |
| CDC25C |
| CDK1 |
| ITGB5 |
| SETD2 |
| BUB3 |
| FER |
| TP73 |
| SLCO1B3 |
| TDGF1 |
| DLG1 |
| EDAR |
| MAD2L1 |
| BCL2L2 |
| PDCD6IP |
| SH3GLB1 |
| SCRIB |
| DYNLL2 |
| TSC2 |
| BAG4 |
| MAP3K7 |
| F10 |
| F3 |
| ADAMTSL1 |
| SERPINB1 |
| MIR181A1 |
| MAP3K1 |
| CTBP1 |
| CEACAM4 |
| PXN |
| MALAT1 |
| GSTP1 |
| PRDX1 |
| IKBKG |
| TFDP1 |
| CRYBA1 |
| SERPINE1 |
| FOXO3 |
| ACTG1 |
| ARHGDIA |
| EZR |
| SLC39A6 |
| BIN1 |
| TIAM1 |
| PDPK1 |
| SMAD7 |
| NTRK3 |
| RHOC |
| CASP2 |
| TNC |
| IRF6 |
| HOTAIR |
| GNE |
| XAF1 |
| SFRP1 |
| MAP2K2 |
| CSK |
| PIK3C2B |
| TAGLN |
| ENDOG |
| FOXC2 |
| RACK1 |
| ARHGDIB |
| FBLIM1 |
| CCDC80 |
| PRKD1 |
| LDHA |
| ANXA2 |
| SPP1 |
| SMARCE1 |
| QSOX1 |
| RBFOX2 |
| RPS6KA3 |
| CDC42 |
| MAOA |
| PIP5K1C |
| ATF2 |
| JUP |
| NDRG1 |
| NKX2-1 |
| OCLN |
| CRABP2 |
| ID2 |
| CEACAM8 |
| PITPNC1 |
| AFAP1L1 |
| INSR |
| HSPB1 |
| NGF |
| PCNA |
| GSK3B |
| TP63 |
| KRT14 |
| SPHK1 |
| CTNNA1 |
| EHMT2 |
| OGT |
| RAC3 |
| SIRT6 |
| ACP1 |
| FOXA1 |
| STK38 |
| RHOQ |
| ONECUT1 |
| S100A7 |
| SRSF3 |
| MUC4 |
| GKN1 |
| MIR107 |
| MIR630 |
| DNMT1 |
| LCK |
| MERTK |
| UCHL1 |
| CDK2 |
| MMP3 |
| ACTB |
| BRCA1 |
| SLC2A2 |
| NOS2 |
| USP9X |
| ROR1 |
| FYN |
| HSPA1A |
| HTRA2 |
| SNAI1 |
| C5AR1 |
| LATS2 |
| PRDM1 |
| SKI |
| TPP2 |
| XRCC5 |
| CLDN18 |
| SPTA1 |
| THY1 |
| TJP1 |
| CDX2 |
| CENPF |
| DOK2 |
| S100A11 |
| SERPINB5 |
| CLIC4 |
| IKZF3 |
| SNCG |
| USP11 |
| ELAVL1 |
| HOXA10 |
| LGALS8 |
| SRPX2 |
| SLPI |
| HTRA3 |
| EFHD2 |
| IRX1 |
| CXCL14 |
| KIF18A |
| ZG16B |
| SBSN |
| MIR223 |
| MIR503 |
| MIR99A |
| MIR451A |
| MIR7-1 |
| SNORA80E |