



Group 7 main functional clusters

- ECM-receptor interaction
Itgb1, Col6a1, Tnxb, Pdgfrb, Nid2, Col28a1, Col4a4, Hspg2, Col4a5, Lama4, Adamts2, Col5a3, Sparc, Ptk2, Lamc1, Nid1, Itga9, Itga6, Itgb8, Lama2, Lamb1, Col15a1, Col5a1, Col4a2, Itgav, Col4a1, Col3a1, Col6a3, Angptl4, Vtn, Bmp1, Col4a3, Ddr2, Loxl2, Parva, Prrx1, Fap, Spon2, Fras1, Lgals8, Pla2r1, Gm19410
- Digestive system development
Pdgfra, Pten, Ctnnb1, Hif1a, Igf1, Prkci, Apcdd1, Psmc6, Lin54, Wls, Pkd1, Gli3, Wnt5b, Tjp2, Dchs1, Cdh13, Zeb1, Nr5a2, Magi1, Amer1, Ctnnbip1, Frk, Klf8
- Mixed, incl. cellular response to interferon- β , and antiviral mechanism by IFN-stimulated genes
Ifnar1, Cmpk2, Dtx3l, Gbp6, Rnf213, Parp14, Znfx1, Ddx60, Ifi44, Ifih1, Ifnlr1, Ifi203, Morc3, Ro60
- Regulation of RAS by GAPs
Kras, Nf1, Vav3, Spred1, Rasa1, Erbin, Ptpn12, Ppp1r15b, Shoc2, Rgl1, Dab2ip, Stag2, Il17rd, Rps6ka3
- Smooth muscle cell differentiation
Ednrb, Mrtfb, Slpr3, Gna13, Arhgef12, Gpsm2, Grm7, F2rl3, Aplnr, Lpar4, Acker3
- Striated muscle contraction
Tmod3, Dmd, Utrn, Casq1, Klhl41, Myot, Myl1, Dysf, Tmod2, Sntb2
- Small-subunit processome, and positive regulation of rRNA processing
Utp20, Ppic, Dhx33, Dhx32, Pus7, Dimt1, Mdn1, Utp6, Wdr75
- COPI-independent Golgi-to-ER retrograde traffic
Rab6a, Galnt1, Bicd1, Tmf1, Vps33b, Dennd5a, Lca5, B4galnt3
- Clathrin coat assembly
Eps15, Tbc1d8b, Cpd, Picalm, Snap91, Cltc, Ap1s2, Ror1
- Apoptosis - multiple species
Casp3, Nos2, Apaf1, Papss2, Casp2, Map2, Cast, Gas2