

Term

positive regulation of heterotypic cell-cell adhesion (GO:0034116)

mesonephros development (GO:0001823)

regulation of heterotypic cell-cell adhesion (GO:0034114)

steroid hormone mediated signaling pathway (GO:0043401)

positive regulation of calcium ion transmembrane transport (GO:1904427)

Genes	P-value
THY1;BMP7	6.88E-04
ZBTB16;BMP7	6.88E-04
THY1;BMP7	0.00210052
MED16;BMP7	0.00232849
F2R;THY1	0.00363409

Term

phosphorylase activity (GO:0004645)

GPI anchor binding (GO:0034235)

ribosomal protein S6 kinase activity (GO:0004711)

choline transmembrane transporter activity (GO:0015220)

intracellular cAMP activated cation channel activity (GO:0005222)

intracellular cyclic nucleotide activated cation channel activity (GO:0005221)

thioesterase binding (GO:0031996)

BMP receptor binding (GO:0070700)

tRNA (guanine) methyltransferase activity (GO:0016423)

ionotropic glutamate receptor binding (GO:0035255)

vitamin D receptor binding (GO:0042809)

protein serine/threonine/tyrosine kinase activity (GO:0004712)

potassium channel activity (GO:0005267)

Genes	P-value
TYMP	0.02140903
THY1	0.024933
RPS6KA2	0.024933
SLC44A5	0.024933
HCN2	0.03194344
HCN2	0.03890418
HAUS7	0.03890418
BMP7	0.04236602
TRMT1	0.04236602
SHANK2	0.04581557
MED16	0.04925286
RPS6KA2	0.04925286
KCNK9;HCN2	0.05046378

Term	Genes	P-value
axolemma (GO:0030673)	THY1	0.02140903
MICOS complex (GO:0061617)	APOOL	0.02140903
pi-body (GO:0071546)	PIWIL2	0.024933
manchette (GO:0002177)	RIMBP3	0.024933
chromatoid body (GO:0033391)	PIWIL2	0.02844445
HAUS complex (GO:0070652)	HAUS7	0.02844445
platelet alpha granule (GO:0031091)	APOOL;THBS2	0.0417711
neurotransmitter receptor complex (GO:0098878)	SHANK2	0.04236602
U4 snRNP (GO:0005687)	SNRPN	0.04236602
germ plasm (GO:0060293)	PIWIL2	0.04581557

Term	Genes	P-value
Hippo signaling pathway	FZD7;WTIP;BMP7	0.02004152
cAMP signaling pathway	VIPR2;F2R;HCN2	0.04107983
Pathways in cancer	RASSF5;GNA11;FZD7;ZBTB16;F2R	0.04213377
Aldosterone synthesis and secretion	KCNK9;GNA11	0.04867657

Term

UBTF (human)

Zfx (mouse)

TFAP2A (mouse)

KLF4 (human)

TEAD2 (human)

ELF3 (human)

Genes

COL18A1;LYL1;PGLYRP2;SNRPN;RPS6KA2;RASSF5;FZD7;ZBTB16;SNURF;GUCA1A;BMP7;FBX6;GNA11;THY1
RNF144A;COL18A1;NEURL1B;CKM;RASSF5;F2R;THY1;MED16;KRT86;ASS1;TYMP
UEVLD;COL18A1;LYL1;RASSF5;ZBTB16;GUCA1A;SHANK2;TBX3;HCN2;FBXL6
KCNK9;CKM;RASSF5;GNA11;FZD7;BMP7;SHANK2;TBX3;TYMP;FBXL6
COL18A1;NEURL1B;CKM;HAUS7;BGN;GUCA1A;ODF3B;THY1;BMP7;FBXL6

P-value

0.00670097

0.01049179

0.03487393

0.0394185

0.03957208

0.0398805