

Supplementary Table 3. The 15 most abundant genes overexpressed in embryonic disc (ED) or extraembryonic membranes (EM).

Accession number	Name	Mean intensity		Fold change
		ED	EM	
Overexpressed in embryonic disc				
NM_001034790	Stathmin 1 (<i>STMN1</i>)	39876.8	8984.0	4.4
NM_001166505	Tubulin, alpha 1a (<i>TUBA1A</i>)	39837.2	4416.9	9.0
NM_175801	Follistatin (<i>FST</i>)	29163.8	13194.4	2.4
XM_001251618	GL12416-like (<i>TUBA3D</i>)	26547.3	2820.9	9.4
NM_176646	Serpin peptidase inhibitor, clade A, member 5 (<i>SERPINA5</i>)	18250.3	1213.3	15.0
NM_174580	POU class 5 homeobox 1 (<i>POU5F1</i>)	17887.4	489.3	29.2
NM_001098378	Transmembrane protein 88 (<i>TMEM88</i>)	17535.0	7907.4	2.2
NM_205802	Lysosomal protein transmembrane 4 beta (<i>LAPTM4B</i>)	13950.3	2251.5	6.1
NM_001075171	Coiled-coil domain containing 109B (<i>CCDC109B</i>)	12955.7	3284.5	3.9
NM_001034231	Inhibitor of DNA binding 2 (<i>ID2</i>)	12754.3	4141.6	3.0
NM_001097568	Inhibitor of DNA binding 1 (<i>ID1</i>)	11206.3	2432.3	4.6
NM_174438	Protein S-alpha (<i>PROS1</i>)	9820.1	2079.4	4.7
NM_001114857	Metallothionein 1E (<i>MT1E</i>)	9815.9	393.8	18.9
NM_001101149	Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2 (<i>PLOD2</i>)	9500.8	4296.1	2.2
NM_001035046	Microsomal glutathione S-transferase 3 (<i>MGST3</i>)	8855.9	1347.2	6.6
Overexpressed in extraembryonic membranes				
XM_580572	Dickkopf homolog 1 (<i>DKK1</i>)	887.3	2519.1	-2.9
NM_001045901	Growth arrest and DNA-damage-inducible, gamma (<i>GADD45G</i>)	611.8	2178.1	-3.6
XM_581232	Rho GTPase activating protein 21 (<i>ARHGAP21</i>)	392.4	841.2	-2.2
NW_877106.1	Retrovirus-related Pol polyprotein from transposon 297 (<i>LOC608201</i>)	339.9	783.9	-2.3
NM_174239	Aldehyde dehydrogenase 1 family, member A1 (<i>ALDH1A1</i>)	151.5	457.1	-3.0

Supplementary Table 3 (Continued)

Accession number	Name	Mean intensity		Fold change ^a
		ED	EM	
XM_581155	Filamin A interacting protein 1-like (<i>FILIP1L</i>)	144.8	440.1	-3.0
NM_174824	Protein phosphatase 1, regulatory (inhibitor) subunit 16B (<i>PPP1R16B</i>)	182.9	386.4	-2.1
XM_612376	Centromere protein F, 350/400ka (<i>CENPF</i>)	130.7	345.3	-2.6
NM_001675.2	ATF4 activating transcription factor 4 (<i>ATF4</i>)	131.4	342.1	-2.6
XM_614458	CAP-GLY domain containing linker protein 1 (<i>CLIP1</i>)	131.6	333.2	-2.5
XM_585315	Biorientation of chromosomes in cell division 1-like (<i>BOD1L</i>)	109.4	296.3	-2.7
NM_001102181	Chromodomain helicase DNA binding protein 2 (<i>CHD2</i>)	102.1	287.5	-2.8
NM_001083753	SH3 domain containing ring finger 2 (<i>SH3RF2</i>)	115.5	236.3	-2.1
XM_589712	Tetratricopeptide repeat domain 17 (<i>TTC17</i>)	94.6	219.6	-2.4
NM_001103246	N-acetyltransferase 9 (<i>NAT9</i>)	82.4	202.2	-2.5

^a Embryonic disc/trophoblast