

Table S5: Result of GO analysis. Significant clusters in the category 'cellular components' are listed according to ascending p-values.

No.	Cluster name	Gene symbols	p-value	FDR
1	Mitochondrion	<i>Mrpl3, Ttc19, Slc25a34, Abcb1b, Rpl10a, Hsp90ab1, Mthfd1, Elac2, Gstz1, Prodh, Dap3, Aldh1l1, Mff, Acaa2, Gstk1, Ccbl2, Gcdh, Nt5dc3, Mrpl10</i>	6.0×10^{-4}	0.071
2	Mitochondrial matrix	<i>Prodh, Dap3, Acaa2, Gstk1, Gcdh</i>	2.7×10^{-3}	0.173
3	SCF ubiquitin ligase complex	<i>Fbxo2, Fbxo6</i>	6.3×10^{-3}	0.202
4	Mitochondrial large ribosomal subunit	<i>Mrpl3, Mrpl10</i>	7.4×10^{-3}	0.202
5	SNARE complex	<i>Stx8, Vti1a</i>	9.2×10^{-3}	0.202
6	Membrane	<i>Tbc1d9b, Ankle2, Slc43a3, Ehd3, Golt1b, Tmem138, Abcc10, Tmem132d, Tmtc2, Slc25a34, Tmem82, Abcb1b, Folh1, Ugt1a10, Loc100044204, Darc, Glp2r, Slc1a2, Adora2b, Atp8b1, Stx8, Sh3gl2, Itgae, Dcxr, Cd97, Hgs, Alox5ap, Slco1c1, Chl1, Spast, Adam22, Als2, Emb, G6pc3, Pvr13, Tmf1, Mff, Gabrg2, Vti1a, Pex6, Slc35b2, Chst10, Cyp4f16, Slc37a1, Nrn1l, Sec22c, Cdc42se2</i>	1.1×10^{-2}	0.202
7	Dendritic spine	<i>Slc1a2, Als2, Fbxo2</i>	1.1×10^{-2}	0.202
8	Sarcomere	<i>Timp4, Acta1</i>	1.3×10^{-2}	0.212
9	Nuclear membrane-endoplasmic Reticulum network	<i>Nploc4</i>	1.5×10^{-2}	0.217
10	Cytosol	<i>Rpl10a, Loc100044204, Cbs, Sh3gl2, Tyms, Bub3, Hgs, Acy1, Gstz1, Nploc4, Aldh1a3, Als2, Fbxo2, Pex6, Nt5dc3</i>	1.7×10^{-2}	0.217
11	Golgi membrane	<i>Golt1b, Abcb1b, Tmf1, Vti1a, Slc35b2, Chst10</i>	2.1×10^{-2}	0.241
12	Cytosolic large ribosomal subunit	<i>Rpl10a, Fxr2</i>	2.4×10^{-2}	0.246
13	Multivesicular body membrane	<i>Hgs</i>	2.6×10^{-2}	0.246
14	Endoplasmic reticulum	<i>Golt1b, Tmtc2, Ugt1a10, Stx8, Alox5ap, Nploc4, Spast, Cnpy3, G6pc3, Cyp4f16, Sec22c</i>	2.7×10^{-2}	0.246
15	Striated muscle thin filament	<i>Acta1</i>	3.1×10^{-2}	0.260
16	DNA-directed RNA polymerase I complex	<i>Polr1c</i>	3.6×10^{-2}	0.266
17	Intercellular canaliculus	<i>Abcb1b</i>	4.1×10^{-2}	0.266
18	Pseudopodium	<i>Ldb3</i>	4.6×10^{-2}	0.266
19	Stress granule	<i>Ddx6</i>	4.6×10^{-2}	0.266
20	ESC-E(Z) complex	<i>Aebp2</i>	4.6×10^{-2}	0.266
21	Apical junction	<i>Pvr13</i>	4.6×10^{-2}	0.266

	complex			
22	Mitochondrial inner membrane	<i>Slc25a34, Prodh, Acaa2, Gstk1, Gcdh</i>	4.6×10^{-2}	0.266