

SUPPLEMENTARY RESULTS

Table S1. Gene Ontology Enrichment Data on Biological Processes for Intermediate genes. The biological processes cover a collection of molecular activities that can be seen as a larger program.

#term ID	term description	observed gene count	background gene count	false discovery rate	matching proteins in your network (labels)
GO:0021987	cerebral cortex development	3	109	0.0273	CDH2,GART,RHOA
GO:0060019	radial glial cell differentiation	2	12	0.0273	CDH2,RHOA

Table S2. Gene Ontology Enrichment Data on Molecular Functions for Intermediate genes. This table lists GTPase activity as the only molecular activity carried out by the gene product in our network based on the known databases.

#term ID	term description	observed gene count	background gene count	false discovery rate	matching proteins in your network (labels)
GO:0003924	GTPase activity	3	283	0.0350	GNG2,GNGT1,RHOA

Table S3. Gene Ontology Enrichment Data on Cellular Components for Intermediate genes. The cellular components suggest localization of gene products according to the cell anatomy.

#term ID	term description	observed gene count	background gene count	false discovery rate	matching proteins in your network (labels)
GO:0019897	extrinsic component of plasma membrane	4	145	0.00013	CDH2,GNG2,GNGT1,RHOA
GO:0031234	extrinsic component of cytoplasmic side of plasma membrane	3	106	0.0013	GNG2,GNGT1,RHOA
GO:0098552	side of membrane	4	436	0.0023	GNG2,GNGT1,ITGB2,RHOA
GO:0005834	heterotrimeric G-protein complex	2	29	0.0030	GNG2,GNGT1
GO:0098797	plasma membrane protein complex	4	502	0.0030	CDH2,GNG2,GNGT1,ITGB2
GO:0044432	endoplasmic reticulum part	5	1294	0.0047	CDH2,DOLK,EVA1A,PNPT1,RHOA
GO:0101003	ficolin-1-rich granule membrane	2	61	0.0079	ITGB2,RHOA
GO:0005789	endoplasmic reticulum membrane	4	1022	0.0171	DOLK,EVA1A,PNPT1,RHOA
GO:0044853	plasma membrane raft	2	95	0.0171	CDH2,ITGB2
GO:0098590	plasma membrane region	4	1061	0.0171	CDH2,GNGT1,ITGB2,RHOA
GO:0098827	endoplasmic reticulum subcompartment	4	1025	0.0171	DOLK,EVA1A,PNPT1,RHOA
GO:0031090	organelle membrane	6	3337	0.0281	DOLK,EVA1A,GNGT1,ITGB2,PNPT1,RHOA
GO:0030496	midbody	2	165	0.0297	PLK1,RHOA
GO:0044425	membrane part	8	6517	0.0298	CDH2,DOLK,EVA1A,GNG2,GNGT1,ITGB2,PNPT1,RHOA
GO:0030027	lamellipodium	2	185	0.0326	CDH2,RHOA
GO:0101002	ficolin-1-rich granule	2	186	0.0326	ITGB2,RHOA
GO:0098805	whole membrane	4	1554	0.0438	CDH2,EVA1A,ITGB2,RHOA
GO:0044459	plasma membrane part	5	2651	0.0473	CDH2,GNG2,GNGT1,ITGB2,RHOA