

**Table S1.** Ratio of observations used in IPA.

protein name	-log2 ratio (untreated) / (treated)	protein name	-log2 ratio (untreated) / (treated)
REV3L	-4.954	ZBTB37	4.585
CACNA1D	-4.17	TTBK2	4.524
TBC1D23	-3.907	IPO9	4
GRID2	-3.807	SMG5	3.585
ACOX1	-3.7	DDX1	3.459
DSCAM	-3.585	MYCBP2	3.322
LOR	-3.322	AHR	3.17
ADGRF5	-3.17	INTS12	3.17
MACF1	-3.17	ATP5B	2.807
MFSD12	-3.17	CFTR	2.807
PLCE1	-3.17	TMEM132D	2.807
HADHA	-3.087	TTN	2.585
AMACR	-2.807	NOTCH3	2.503
MCM3AP	-2.807	LOC690425	2.415
PTPN22	-2.807	PIGS	2.322
TUBA4A	-2.807	XRCC5	2.322
MUC16	-2.663	DHTKD1	1.874
ACO1	-2.115	FH	1.766
LOC685544	-1.874	LOC108348049	1.737
CRYBG3	-1.585	ABCA2	1.415
MICAL2	-1.222	PDE11A	1.379
PCYT1A	-1.222	CNTN2	1.222
MRVI1	-1.138	DPYSL3	1
LOC102554371	-1.07	MYH3	1
ABCA6	-1	ADGRE1	0.737
ADAMTS18	-1	CES2	0.737
LOC103691264	-0.822	CRB1	0.737
VWA8	-0.807	NAT6	0.737
ABCC8	-0.737	VCAN	0.737
DHRX	-0.737	ACO2	0.617
EEF1AKMT1	-0.737	CACHD1	0.485
EXNEF	-0.737	NSUN6	0.415
LAMA5	-0.737	CUBN	0.322
MUC19	-0.737	KMT2D	0.322
MUSK	-0.737	CSF1R	0.263
PCDHA4	-0.737	ITGA3	0.263
MTTP	-0.415		
PAFAH2	-0.322		
TENM2	-0.322		