

Supplementary Table S3. Overview of all the proteins identified for the Grb2-SH-TAP series of experiments. Total protein inputs were (A) 50, (B) 12.5, and (C) 5 mg. (A) is a full pulldown; (B) and (C) are half pulldowns. Percentage of injected eluate volume ranged from 3 to 50%. Keratins have been excluded, trypsin is shown in grey. PCT (peptide counts), SCT (spectral counts), SCV (percent sequence coverage), SD (standard deviation), CV (coefficient of variation).

A

Accession ID	Gene Symbol	Description	PCT										SCT										SCV										Global PCT	Global SCT	Global SCV						
			50 mg 5%		50 mg 5%		50 mg 10%		50 mg 10%		50 mg 20%		50 mg 20%		50 mg 5%		50 mg 5%		50 mg 10%		50 mg 10%		50 mg 20%		50 mg 20%		50 mg 5%		50 mg 5%		50 mg 10%					50 mg 10%		50 mg 20%		50 mg 20%	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD				Mean	SD	Mean	SD		
P62993-1	GRB2	Growth factor receptor-bound protein 2	22	22	22	23	25	23	22	25	22.71	1.11	0.05	143	152	151	156	152	146	146	1046	149.43	4.54	0.03	0.88	0.88	0.88	0.89	0.89	0.92	0.92	0.76	0.92	0.88	0.05	0.06	0.92				
Q121774-1	ARHG5	Rho guanine nucleotide exchange factor 5	43	39	41	37	40	44	37	50	40.14	2.73	0.07	49	46	48	42	44	51	47	327	46.71	3.04	0.07	0.31	0.38	0.28	0.38	0.31	0.32	0.3	0.36	0.3	0.02	0.06	0.38					
Q07889	SOS1	Son of sevenless homolog 1	35	36	38	33	37	33	38	55	35.71	2.14	0.06	39	38	47	40	46	42	45	297	42.43	3.6	0.08	0.26	0.27	0.27	0.27	0.23	0.29	0.25	0.3	0.41	0.27	0.02	0.09	0.55				
136429	NA	Trypsin [Sus scrofa]	5	5	5	5	5	4	6	6	5	0.58	0.12	25	28	24	26	19	21	18	161	23	3.74	0.16	0.26	0.32	0.26	0.26	0.26	0.2	0.35	0.35	0.27	0.05	0.17	6					
P50570-2	DYN2	Dynamitin-2	12	10	14	14	16	17	18	23	14.43	2.82	0.2	12	11	15	15	20	17	22	112	16	4	0.25	0.14	0.11	0.16	0.15	0.17	0.19	0.2	0.25	0.16	0.03	0.18	23					
P08107	HSP71	Heat shock 70 kDa protein 1A/1B	12	12	11	11	13	10	15	11.43	0.98	0.09	14	13	12	12	13	15	11	90	12.86	1.35	0.1	0.22	0.22	0.19	0.2	0.19	0.21	0.16	0.25	0.2	0.02	0.14	15						
Q07890	SOS2	Son of sevenless homolog 2	7	7	9	10	14	11	20	11.57	4.28	0.37	10	8	10	12	15	11	21	87	12.43	4.35	0.35	0.09	0.06	0.07	0.09	0.12	0.1	0.17	0.21	0.1	0.04	0.36	26						
ASVM69	ARG35	Rho guanine nucleotide exchange factor 35	9	8	10	9	9	9	7	10	8.71	0.95	0.11	10	10	10	9	10	10	8	67	9.57	0.79	0.08	0.2	0.2	0.23	0.23	0.23	0.2	0.23	0.21	0.02	0.07	10						
Q13191-1	UBL8	E3 ubiquitin-protein ligase UBL-8	9	8	7	9	9	9	8	13	8.43	0.79	0.09	9	8	7	10	9	10	9	62	8.86	1.07	0.12	0.09	0.08	0.07	0.09	0.12	0.1	0.09	0.15	0.09	0.02	0.18	13					
P22681	UBL8	E3 ubiquitin-protein ligase UBL-8	10	9	8	11	8	7	8	13	8.29	1.38	0.17	7	11	8	12	8	7	10	63	9	2	0.22	0.1	0.12	0.11	0.15	0.11	0.09	0.11	0.17	0.14	0.02	0.16	13					
P11142-1	HSP7C	Heat shock cognate 71 kDa protein	5	7	9	8	9	7	12	7.71	1.5	0.10	7	7	10	9	8	10	7	58	8.29	1.38	0.17	0.09	0.12	0.15	0.15	0.13	0.15	0.13	0.13	0.02	0.17	12							
Q14654	IRS4	Insulin receptor substrate 4	4	2	5	4	6	5	10	4.57	1.4	0.31	4	2	5	4	6	6	7	34	4.86	1.68	0.35	0.04	0.02	0.04	0.04	0.05	0.05	0.05	0.08	0.04	0.01	0.25	10						
Q05193-2	DYN1	Dynamitin-1	6	5	4	6	4	3	5	9	4.71	1.11	0.24	6	5	4	6	5	3	34	4.86	1.07	0.22	0.06	0.05	0.04	0.06	0.04	0.03	0.05	0.08	0.04	0.01	0.27	9						
P18433-1	PTPRA	Receptor-type tyrosine-protein phosphatase alpha	4	4	4	7	5	5	6	10	5.14	1.07	0.23	4	4	7	5	5	6	37	5.29	1.11	0.21	0.06	0.04	0.08	0.07	0.06	0.06	0.1	0.15	0.07	0.02	0.28	40						
Q8T774-1	WIPF2	WAS/WASL-interacting protein family member 2	3	3	2	3	4	4	4	3.29	0.76	0.23	4	3	4	3	6	4	5	29	4.14	1.07	0.26	0.11	0.11	0.09	0.11	0.15	0.15	0.15	0.15	0.12	0.03	0.22	4						
Q9UQ16-1	DYN3	Dynamitin-3	0	0	0	0	0	0	5	5	5	0	0	0	0	0	0	0	5	5	5	0	0	0	0	0	0	0	0	0	0	0	5	5							
Q00401	WASL	Neural Wiskott-Aldrich syndrome protein	0	0	0	0	4	3	3	4	1.43	1.81	1.37	0	0	0	0	4	3	10	1.43	1.81	1.27	0	0	0	0	0	0.07	0.05	0.07	0.03	0.03	1.26	4						
Q9UJ42	EBF1	EBF1 receptor feedback inhibitor 1	0	0	0	0	0	2	2	0.86	1.07	1.25	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0.05	0.05	0.05	0.05	0.02	0.03	1.25	6						
Q13085-1	ACACA	Acetyl-CoA carboxylase 1	0	0	0	0	0	0	3	0.43	1.13	2.65	0	0	0	0	0	0	0	3	0.43	1.13	2.65	0	0	0	0	0	0	0	0.02	0.02	0	0.01	2.65	3					
P61978-1	HNRKP	Heterogeneous nuclear ribonucleoprotein K	0	0	0	0	0	0	3	0.43	1.13	2.65	0	0	0	0	0	0	0	3	0.43	1.13	2.65	0	0	0	0	0.08	0	0	0	0.08	0.01	0.03	2.65	3					
Q7954-1	SNX8	Sorting nexin-8	0	0	0	0	0	0	2	0.29	0.76	2.65	0	0	0	0	0	0	0	2	0.29	0.76	2.65	0	0	0	0	0	0	0	0.04	0.04	0.01	0.02	2.65	2					
Q14654	SNX18	Sorting nexin-18	0	0	0	0	0	0	2	0.29	0.76	2.65	0	0	0	0	0	0	2	2	0.29	0.76	2.65	0	0	0	0	0	0	0	0.05	0.05	0.01	0.02	2.65	2					

B

Accession ID	Gene Symbol	Description	PCT						SCT						SCV						Global PCT	Global SCT	Global SCV
			12.5 mg 50%			12.5 mg 50%			12.5 mg 50%			12.5 mg 50%			12.5 mg 50%			12.5 mg 50%					
			Mean	SD	CV	Mean	SD	CV	Mean	SD	CV	Mean	SD	CV	Mean	SD	CV	Mean	SD	CV			
P62993-1	GRB2	Growth factor receptor-bound protein 2	17	17	17	0	0	76	73	149	74.5	2.12	0.03	0.79	0.79	0.79	0.79	0	17	149	0.79		
Q12774-1	ARHG5	Rho guanine nucleotide exchange factor 5	31	32	35	32	0	33	33	66	33	0	0	0.24	0.24	0.27	0.24	0	35	66	0.27		
136429	NA	Trypsin [Sus scrofa]	6	6	7	6	0	34	31	65	32.5	2.12	0.07	0.38	0.37	0.45	0.37	0.01	65	65	0.45		
Q07889	SOS1	Son of sevenless homolog 1	20	22	24	21	1.4	0.1	20	22	42	21	1.41	0.07	0.15	0.18	0.19	0.17	0.02	111	24	0.19	
P08107	HSP71	Heat shock 70 kDa protein 1A/1B	14	12	15	13	1.4	0.1	14	12	26	13	1.41	0.11	0.23	0.22	0.25	0.22	0.01	0.04	15	0.25	
P11142-1	HSP7C	Heat shock cognate 71 kDa protein	7	10	11	8.5	2.1	0.9	7	10	17	8.5	2.12	0.25	0.11	0.18	0.18	0.14	0.05	0.36	11	0.18	
ASVM69	ARG35	Rho guanine nucleotide exchange factor 35	7	8	8	7.5	0.7	0.1	7	8	15	7.5	0.71	0.09	0.18	0.2	0.2	0.15	0.01	0.05	8	0.2	
P22681	UBL8	E3 ubiquitin-protein ligase UBL-8	7	5	8	6	1.4	0.2	7	6	13	6.5	0.71	0.11	0.11	0.07	0.13	0.09	0.03	0.3	8	0.13	
Q13191-1	UBL8	E3 ubiquitin-protein ligase UBL-8	6	5	6	5.5	0.7	0.1	6	6	12	6	0	0	0.07	0.05	0.07	0.06	0.01	0.15	6	0.07	
P18433-1	PTPRA	Receptor-type tyrosine-protein phosphatase alpha	4	6	6	5	1.4	0.3	5	6	11	5.5	0.71	0.13	0.06	0.1	0.1	0.08	0.02	0.3	6	0.1	
Q07890	SOS2	Son of sevenless homolog 2	4	3	5	3.5	0.7	0.2	4	3	7	3.5	0.71	0.2	0.04	0.03	0.05	0.03	0	0.09	5	0.05	
P10412	H14	Histone H1.4	3	2	3	2.5	0.7	0.3	4	2	6	3	1.41	0.47	0.15	0.1	0.15	0.13	0.04	0.28	3	0.15	
P12036-1	NFH	Neurofilament heavy polypeptide	2	2	2	2	0	0	2	2	4	2	0	0	0.01	0.01	0.01	0.01	0	0	2	0.01	
A0AG99	WIPF3	WAS/WASL-interacting protein family member 3	0	2	2	1	1.4	1.4	0	2	2	1	1.41	1.41	0	0.06	0.06	0.03	0.05	1.41	2	0.06	
P62736	ACTA	Actin, aortic smooth muscle	0	2	2	1	1.4	1.4	0	2	2	1	1.41	1.41	0	0.1	0.1	0.05	0.07	1.41	2	0.1	
P11021	GRP78	78 kDa glucose-regulated protein	0	2	2	1	1.4	1.4	0	2	2	1	1.41	1.41	0	0.03	0.03	0.02	0.02	1.41	2	0.03	
P50570-1	DYN2	Dynamitin-2	0	2	2	1	1.4	1.4	0	2	2	1	1.41	1.41	0	0.02	0.02	0.01	0.02	1.41	2	0.02	
Q14654	IRS4	Insulin receptor substrate 4	0	2	2	1	1.4	1.4	0	2	2	1	1.41	1.41	0	0.02	0.02	0.01	0.02	1.41	2	0.02	

C

Accession ID	Gene Symbol	Description	PCT						SCT						SCV						Global PCT	Global SCT	Global SCV
			5 mg 50%		5 mg 50%		TOTAL	CV	5 mg 50%		5 mg 50%		TOTAL	CV	5 mg 50%		5 mg 50%		TOTAL	CV			
			Mean	SD	Mean	SD			Mean	SD	Mean	SD			Mean	SD	Mean	SD					
P69299-1	GRB2	Growth factor receptor-bound protein 2	15	15	15	15	0	0	40	39	79	39.5	0.71	0.02	0.59	0.59	0.59	0.59	0	0	15	79	0.59
P69299-1	USP7	Ubiquitin (SUMO) protein 7	4	7	5	1	0.02	0.27	17	23	6	5	0.71	0.02	0.59	0.59	0.59	0.59	0	0	4	6	0.59
P08107	HSPT71	Heat shock 70 kDa protein 1A/1B	4	3	4	1.5	0.07	0.02	4	3	7	3.5	0.71	0.02	0.07	0.05	0.07	0.06	0.02	0.28	4	7	0.07
P12036-1	NFH	Neurofilament heavy polypeptide	2	2	2	2	0	0	2	2	4	2	0.01	0.01	0.01	0.01	0.01	0.01	0	0	2	4	0.01