

Table S5. The potential protein interactors were entered into DAVID (<https://david.ncifcrf.gov/home.jsp>) and the functional annotation tool was used to highlight clustering using GOTERM categories. The top 8 annotation clusters (Column A) are provided with their enrichment score (Column B). The top 3 GOTERMS (column C), along with the Benjamini-corrected p-value (Column D), the number of co-IP proteins from our dataset that mapped to the given category (Column E), and the protein accession IDs of the proteins within each GOTERM (Column F) are also provided.

Annotation cluster	Enrichment Score	GOTERM	Benjamini	# proteins	Protein Accession IDs
1	28.23	Intracellular ribonucleoprotein complex (GO:1990904)	4.6×10^{-43}	75	P62270, P61979, O35737, P62751, P35980, P61358, P63017, Q9CPR4, P62754, P63325, P12970, Q7TMK9, Q61990, P35979, P62281, P47911, P14131, P62267, P62717, P62264, P29341, Q9D8E6, P62852, P32067, P67984, Q9CZM2, P14115, P97351, P49312, Q9D0E1, Q91VR5, P09405, P19253, P35922, Q8BP67, P51410, Q9CXY6, P58252, P27659, Q3U804, Q9WTM5, P14869, Q6ZWN5, P62301, Q9CR57, P84099, Q9WV60, Q8R081, Q61937, Q8BG05, P57722, Q99104, P62830, P62702, P62908, P62242, P63276, P62849, P60867, P47963, Q3U561, P26369, P62082, Q8C153, Q9Z2X1, P60335, Q9CZX8, O88569, P41105, D3Z4J3, Q9Z204, P60710, P62889, Q61656, P57780, P25444, Q8VEK3, P16858
		Translation (GO:0006412)	1.4×10^{-30}	72	P62270, P60229, P62751, P35980, P61358, Q91WQ3, Q99L45, Q9CPR4, P62754, P12970, P23116, Q8R1B4, P35979, P62281, P47911, P14131, P62267, P62855, P62717, P62264, Q9D8N0, Q9D8E6, P67984, Q9CZM2, P14115, P97351, Q8BFR5, Q8QZY1, O70194, P19253, P10126, Q8BP67, P61255, P51410, P58252, P27659, Q8BP47, P62631, Q9DBZ5, Q8JZQ9, Q6ZWV3, Q99JX4, Q9Z1D1, Q9DCH4, Q6ZWN5, P62301, Q9CR57, Q9QZD9, Q91WK2, P84099, Q8VEM8, P62830, P62245, P62702, P62908, P62242, P63276, P62849, P60867, P57776, P47963, Q3U561, P62082, Q8C153, Q8BGQ7, P10630, Q9CZX8, Q8C0C7, P48962, P41105, P62889, P51881, P25444
		Ribosome (GO:0005840)	3.2×10^{-27}	47	P62270, P27659, P62751, P35980, P61358, Q6ZWV3, Q9CPR4, P62754, P63325, P14869, P12970, Q6ZWN5, P62301, Q9CR57, P84099, P62281, P35979, P47911, P14131, P62267, P62264, P62717, P62855, P62830, P62245, P62702, P62908, P62242, Q9D8E6, P63276, P62852, P62849, P60867, P47963, Q3U561, P67984, P62082, Q9CZM2, P14115, P97351, Q9CZX8, P41105, P62889, P19253, Q8BP67, P25444, P51410

Annotation cluster	Enrichment Score	GOTERM	Benjamini	# proteins	Protein Accession IDs
2	26.22	Cadherin binding involved in cell-cell adhesion (GO:0098641)	6.8×10^{-30}	60	P62821, P07356, P42932, P60229, Q9CQV8, P61979, Q9Z2H5, Q9CPV4, P63017, Q68FG2, P12970, Q9D8Y0, Q8VDD5, P47911, Q62261, P62855, P62827, Q9D8N0, Q62167, P26039, P11499, P17182, P16546, E9PVU0, Q9CZM2, Q9QYC0, Q9CZ30, P62962, P47753, P47757, Q80ZK2, Q8BP67, P62259, Q9DCL9, P19096, B2RXX6, P58252, Q91YR1, P52480, P61027, P35700, Q9QXS6, Q9CR57, Q64331, O08709, O55131, P63101, Q9QXS1, P46638, Q61768, P46735, Q8C845, Q6A087, P57776, P20029, Q8BK64, Q9WUA3, O70456, P06151, Q8C153, Q923G3, P05064, P60335, Q3UJV2, V9GX76, Q7M6Y3, Q61553, P25444, Q05512
		Cell-cell adherens junction (GO:0005913)	1.4×10^{-29}	60	P62821, P07356, P42932, P60229, Q9CQV8, P61979, Q9Z2H5, Q9CPV4, P63017, Q68FG2, P12970, Q9D8Y0, Q8VDD5, P47911, Q62261, P62855, P62827, Q9D8N0, Q62167, P26039, P11499, P17182, P16546, E9PVU0, Q9CZM2, Q9QYC0, Q9CZ30, P62962, P47753, P47757, Q80ZK2, Q8BP67, P62259, Q9DCL9, P19096, B2RXX6, P58252, Q91YR1, P52480, P61027, P35700, Q9QXS6, Q9CR57, Q64331, O08709, O55131, P63101, Q9QXS1, P46638, Q61768, P46735, Q8C845, Q6A087, P57776, P20029, Q8BK64, Q9WUA3, O70456, P06151, Q8C153, Q923G3, P05064, P60335, Q3UJV2, V9GX76, Q7M6Y3, Q61553, P25444, Q05512
		Cell-cell adhesion (GO:0098609)	2.4×10^{-14}	35	Q91YR1, P60229, Q9CQV8, Q9Z2H5, Q9CPV4, P61027, Q68FG2, P35700, P12970, Q9D8Y0, Q9CR57, Q64331, O08709, P63101, Q9QXS1, P62855, P46735, Q9D8N0, Q8C845, P57776, Q6A087, Q8BK64, P26039, Q9WUA3, O70456, P17182, P06151, E9PVU0, Q9CZM2, Q923G3, Q9CZ30, Q9QYC0, P05064, Q3UJV2, V9GX76, P47753, Q61553, Q80ZK2, P47757, P25444, Q9DCL9, Q05512
3	10.59	Eukaryotic translation initiation factor 3 complex (GO:0005852)	1.0×10^{-14}	13	P60229, Q9DBZ5, Q8JZQ9, Q99JX4, Q9Z1D1, Q9DCH4, P23116, Q9QZD9, Q8R1B4, Q91WK2, Q8QZY1, O70194, Q62167
		Eukaryotic 48S preinitiation complex (GO:0033290)	2.1×10^{-13}	12	P60229, O70194, Q9DBZ5, Q8JZQ9, Q99JX4, Q9Z1D1, P23116, Q9DCH4, Q8R1B4, Q9QZD9, Q8QZY1, Q91WK2
		Eukaryotic 43S preinitiation complex (GO:0016282)	2.1×10^{-13}	12	P60229, O70194, Q9DBZ5, Q8JZQ9, Q99JX4, Q9Z1D1, P23116, Q9DCH4, Q8R1B4, Q9QZD9, Q8QZY1, Q91WK2

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4	7.22	Vesicle-mediated transport (GO:0016192)	2.2×10^{-7}	27	P62821, P28663, O54774, Q8CIE6, P61027, P61205, Q68FG2, P13020, Q9DBG3, Q68FD5, Q99104, P53994, Q6A087, P35279, P84091, Q9QZE5, P62743, P63044, O35643, P33175, D3Z4J3, Q61598, O08599, Q7M6Y3, P17427, Q80ZK2, P17426, P61294, P46460, P61750
		Protein transport (GO:0015031)	8.4×10^{-6}	44	P62821, P28663, O54774, Q8CIE6, P51150, P61205, P61027, Q8K386, P61021, Q9QXY6, P63011, Q571F3, Q64331, Q8VDD5, Q9DBG3, P46638, Q80TJ1, Q8C2E7, Q9CZT8, Q99104, Q61548, Q9R1R2, P62827, P53994, Q8BYR5, P35279, P84091, P63044, P62743, Q9QZE5, Q9ERK4, E9PVU0, O35643, V9GX76, D3Z4J3, Q9EQH3, Q61598, O08599, P50396, P17427, Q9D1G1, P17426, P70168, P57780, P61294, P46460, P61750
		Intracellular protein transport (GO:0006886)	1.3×10^{-4}	23	P62821, P28663, O54774, Q8CIE6, P51150, P35279, P61027, P84091, Q9QZE5, P62743, Q9ERK4, O35643, P49615, Q9EQH3, Q9DBG3, P17427, P68510, Q68FD5, P17426, P70168, P53994, P62827, P46460
5	7.16	Unfolded protein binding (GO:0051082)	5.0×10^{-10}	19	P42932, P20029, O54946, P63017, P11499, P38647, P08113, Q3THH8, P80314, P63037, P80315, P17156, P80313, P80318, P80317, P80316, P07901, Q9QYJ0, Q61937, P11983
		Positive regulation of protein localization to Cajal body (GO:1904871)	4.4×10^{-8}	8	P42932, P80318, P80317, P80316, P11983, Q3THH8, P80314, P80315, P80313
		Chaperonin-containing T-complex (GO:0005832)	6.7×10^{-9}	8	P42932, P80318, P80317, P80316, P11983, Q3THH8, P80314, P80315, P80313
6	5.76	ATP hydrolysis coupled proton transport (GO:0015991)	1.6×10^{-9}	14	Q9Z1W8, Q64436, P56480, P62814, Q6PIE5, Q9Z1G4, P50518, Q9Z1G3, Q03265, P51863, P50516, Q6PIC6, Q8VDN2, Q8BVE3
		Proton transport (GO:1902600)	7.7×10^{-5}	12	Q64436, Q9Z1W8, Q03265, P51863, P56480, P50516, P62814, Q9Z1G4, P50518, Q9Z1G3, Q9DB20, Q8BVE3
		Proton-transporting ATPase activity, rotational mechanism (GO:0046961)	1.6×10^{-4}	8	Q03265, P51863, P56480, P50516, Q9Z1G4, P50518, Q9Z1G3, Q8BVE3
7	5.37	Membrane coat (GO:0030117)	6.6×10^{-8}	11	O54774, Q8CIE6, Q9DBG3, P17427, Q68FD5, P62743, Q9QZE5, P17426, Q8CHC4, A0A0J9YUN4, P39053, O35643
		Intracellular protein transport (GO:0006886)	1.3×10^{-4}	23	P62821, P28663, O54774, Q8CIE6, P51150, P35279, P61027, P84091, Q9QZE5, P62743, Q9ERK4, O35643, P49615, Q9EQH3, Q9DBG3, P17427, P68510, Q68FD5, P17426, P70168, P53994, P62827, P46460
		Protein transporter activity (GO:0008565)	5.9×10^{-2}	8	O54774, Q9EQH3, Q9DBG3, P17427, P62743, P17426, P70168, O35643

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8	5.37	Brush border (GO:0005903)	6.3×10^{-12}	20	Q64331, Q8VDD5, Q9QXS1, Q6URW6, E9Q634, P46735, Q9JMH9, Q60605, Q99JY9, Q8C0P5, E9PVU0, Q923G3, B2RRE2, E9QPE7, Q9JJ28, Q3UJV2, Q3THE2, V9GX76, P47753, P47754, Q5SV64, P47757, Q7TPR4, P57780, Q8K1M6, O08638, Q5SYD0, Q61879
		Myosin complex (GO:0016459)	1.9×10^{-8}	14	Q8CG29, Q8BWY8, E9PVU0, B2RRE2, E9QPE7, Q3THE2, P70248, Q64331, V9GX76, D3Z4J3, Q8VDD5, Q6URW6, Q5SV64, E9Q634, Q99104, P46735, O08638, Q5SYD0, Q60605, Q9JMH9, Q61879
		Motor activity (GO:0003774)	7.0×10^{-7}	16	Q8CG29, Q8R1Q8, Q8BWY8, E9PVU0, O08788, B2RRE2, E9QPE7, P70248, Q64331, V9GX76, D3Z4J3, Q8VDD5, Q6URW6, Q5SV64, Q9JHU4, E9Q634, Q99104, P46735, O08638, Q5SYD0, Q60605, Q9JMH9, Q61879