

Table S1. Galectin-3 interacting partners.

	Identifier	Mw KDa	Number of peptides	number of proteins	coverage (%)	Description
1	13654237	468,8	71	15	25,68	DNA-dependent protein kinase catalytic subunit isoform1 (DNPK1)
2	119591368	58,5	17	15	40,49	nucleolin, isoform CRA_C (Ncl)
3	157412270	73,6	15	17	36,18	hnRNPM isoform b
4	14043072	37,4	13	9	44,19	hnRNPA2B1 isoform B1
5	75517570	29,4	12	41	41,2	hnRNPA1
6	154355000	73,1	11	15	23,07	far upstream element-binding protein 2
7	24234750	95,3	11	48	20,36	interleukin enhancer-binding factor 3 isoform a
8	100913206	140,9	11	15	11,97	ATP-dependent RNA helicase A
9	157694492	148,8	10	13	12,58	myb-binding protein 1A isoform 2
10	19913410	99,3	10	24	23,85	major vault protein
11	24234686	53,5	10	80	24,54	heat shock cognate 71 kDa protein isoform 2
12	126032350	465,2	9	12	3,27	DNA-dependent protein kinase catalytic subunit isoform2
13	14165466	57,2	9	15	34,65	polypyrimidine tract-binding protein 1 isoform c (PTBP1)
14	5031877	66,4	8	8	20,99	lamin B1
15	40353734	29,4	8	34	46,04	nucleophosmin isoform 2
16	4507555	75,4	8	8	18,3	thymopoietin isoform alpha
17	4507943	123,3	8	16	12,7	exportin-1
18	5031753	49,2	8	29	27,84	hnRNPH
19	211828181	61,9	8	9	31,12	hnRNPL
20	116283697	50,6	8	20	26,49	SYNCRIP (hnRNPOQ)
21	4505773	29,8	7	12	45,59	prohibitin
22	33875177	29,4	7	17	41,73	YBX1 protein, partial
23	5729877	70,9	7	60	15,33	heat shock cognate 71 kDa protein isoform 1
24	4885381	22,6	6	2	22,57	histone H1.5
25	4503101	20,9	6	3	45,6	cysteine and glycine-rich protein 2
26	40254924	34,9	6	1	30,62	leucin-rich repeat-containing protein 59
27	120587023	318,2	6	5	3,3	small subunit processome component 20 homolog
28	4826760	45,6	6	5	31,08	hnRNPF
29	4504447	36	6	8	24,63	hnRNPA2B1 isoform A2
30	111494085	67,8	6	14	15,32	hnRNPR
31	30795231	22,7	5	4	52,42	brain acid soluble protein 1 (BASP1)
32	4885375	21,4	5	13	24,41	histone H1.2
33	49257460	33,3	5	9	28	PTRF protein
34	224586882	40,1	5	16	20,7	DNA-binding protein A isoform a (YBX3)
35	4504517	22,8	5	10	40	heat shock protein beta-1
36	9624998	49,2	5	6	18,26	hnRNPH2
37	91208426	273,4	5	12	3	pre-mRNA-splicing factor 8 (PRPF8)
38	54112117	145,7	5	5	5,06	SF3B1 isoform 1
39	55956921	30,6	5	23	15,79	hnRNPAB isoform b
40	5031875	65,1	4	25	12,06	lamin isoform c
41	433344	31,5	4	40	15,73	p37 AUF 1
42	13128860	55,1	4	15	11,41	histone deacetylase 1 (HDAC1)
43	21626466	94,6	4	18	8,5	matrin-3 isoform a
44	300934782	97,3	4	12	6,17	transportin-3 isoform 2
45	119573569	98,7	4	22	5,64	adenosine deaminase, RNA-specific, isoform CRA_b (ADAR)
46	62955803	195,9	4	11	3,26	nucleoporin Nup 188 homolog
47	295054210	271,5	4	10	2,78	telomere-associated protein RIF1 isoform 2 (RIF1)
48	301171475	71,3	4	14	8,36	DDX3X isoform 3
49	4502491	31,3	4	10	29,08	SF2P32
50	21536301	83	3	13	6,18	signal transducer & activator of transcription 1-isoform beta (STAT1)
51	338753429	79,8	3	9	5,6	nuclear pore complex protein Nup93 isoform 2
52	148596949	73,6	3	6	5,15	nucleolar and coiled-body phosphoprotein 1 (NOLC1)
53	11225260	90,7	3	19	4,84	DNA-topoisomerase 1
54	4504981	14,7	3	11	42,22	galectin-1
55	48429165	26,9	3	5	26,85	Tho4
56	118582269	22,4	3	11	26,37	serine/arginine-rich splicing factor 1 isoform 2 (SRSF1)
57	52632385	50,5	3	9	14,47	hnRNPL isoform b
58	197692223	53,1	3	12	11,68	U2 auxiliary factor 2 isoform b (U2AF65)
59	119620769	15,2	3	10	30,3	splicing factor, arginine/serine-rich 7, 35 kDa, isoform CRA_b (SRSF7)
60	10800138	13,9	2	31	19,05	histone H2B type 1-D
61	4758302	12,3	2	2	30,77	enhancer of rudimentary homolog (ERH)

62	83641870	28,4	2	27	16,22	nucleophosmin isoform 3
63	4506007	37	2	33	9,29	ser/thr-phosphatase PP1-gamma catalytic subunit isoform 1 (PPP1CC)
64	5453555	24,4	2	14	8,8	GTP-binding nuclear protein Ran
65	4507353	61,5	2	20	6,96	TATA-binding protein-associated factor 2N isoform 2 (TAF15)
66	4758844	148,9	2	7	1,58	nuclear pore complex protein Nup155 isoform 2
67	5174449	22,5	2	2	10,33	histone H1x
68	4504433	10,7	2	4	19,79	high mobility group protein HMG-1/HMG-Y isoform b (HMGA1)
69	4504183	23,3	2	27	18,57	glutathione S-transferase P
70	13376840	33,6	2	7	12,13	WD repeat-containing protein 61 (WDR61)
71	296439283	227,8	2	9	1,29	nuclear pore complex protein Nup205
72	40217847	244,4	2	13	1,59	U5 200 kDa (snRNP200)
73	7657381	55,1	2	2	7,54	PRP 19
74	402794208	54	2	17	7,62	PUF60 isoform h
75	7661920	46,8	2	26	9,98	eIF4A3
76	197692189	27,9	2	5	12,92	U2 auxiliary factor 1 isoform a (U2AF35)
77	4504517	22,8	2	9	13,17	HspB1
78	345197228	21,9	2	11	19,15	Tra2B isoform 2
79	119577432	84,4	2	12	4,65	hnRNP U-like 1, isoform CRA_c
80	39753957	66,2	1	7	2,06	torsin-1A-interacting protein 1 isoform 2
81	13775200	10,1	1	1	17,44	SF3B5
82	31455228	19,8	1	5	10,78	U2 auxiliary factor 1 (U2AF35)
83	4507129	10,8	1	4	11,96	small nuclear ribonucleoprotein E (SmE)
84	5803036	30,8	1	2	6,56	hnRNPA0

Binding partners of galectin-3 were eluted with lactose from a galectin-3/sepharose column and analyzed by mass spectrometry. Galectin-3 interacting proteins verified by co-immunoprecipitation and immunofluorescence analysis are indicated in red. Other hnRNPs are depicted in blue and components of the spliceosome in green.