

Supplementary Table S7

Accession number, SDS-PAGE excised band number, total score, the numbers of ¹³C-labeled and total unique peptides as well as the sequence coverage are listed for all identified proteins of the GYF domain/GYF domain mutant (W8R/Y33A) pulldown experiment.

protein	band	total score	#:C13-peptides/#:all peptides*	sequence coverage in %
4F2_HUMAN	38	249	0/4	8
ABCF1_HUMAN	42	156	3/3	3
ACL6A_HUMAN	27	850	16/16	28
ACTB_HUMAN	25	1487	15/44	54
ANM5_HUMAN	36	764	17/17	20
ANXA2_HUMAN	21	458	1/11	35
ARF4_HUMAN	14	109	1/3	11
ARI1A_HUMAN	50	437	9/9	4
ASSY_HUMAN	27	501	13/13	25
ATD3A_HUMAN	35	242	5/5	7
ATD3B_HUMAN	34	109	2/2	4
ATN1_HUMAN	46	352	8/8	6
ATPA_HUMAN	30	106	2/4	3
ATPB_HUMAN	30	328	1/5	15
ATPG_HUMAN	17	247	3/4	14
ATX2_HUMAN	44	475	9/9	8
ATX2L_HUMAN	43	1141	24/24	22
BAT2_HUMAN	48	2014	42/42	22
BCL7A_HUMAN	18	120	4/4	16
BUB3_HUMAN	23	1070	24/24	52
CALM_HUMAN	11	184	0/4	27
CALU_HUMAN	23	150	0/5	10
C2D1A_HUMAN	43	110	2/2	2
CD2B2_HUMAN	8	244	0/4	6
CD2B2_HUMANendogen	28	474	6/8	21
CH60_HUMAN	33	292	3/6	11
CIRBP_HUMAN	12	139	1/2	12
CO4A2_HUMAN	47	94	2/2	1
COCA1_HUMAN	50	208	5/5	1
COF1_HUMAN	13	100	1/4	16
COPA_HUMAN	44	642	0/11	10
COPB2_HUMAN	41	512	0/13	14
COPE_HUMAN	18	201	0/5	13
CPSF1_HUMAN	46	245	7/7	4
CPSF5_HUMAN	8	113	4/4	10
CPSF6_HUMAN	35	1142	24/24	30
CPSF7_HUMAN	30	648	13/13	30
CPSM_HUMAN	46	336	1/6	4
CTGE5_HUMAN	41	481	9/9	10
DCD_HUMAN	27	285	0/3	35
DDB1_HUMAN	43	186	0/5	3
DDX17_HUMAN	37	711	13/13	21
DDX20_HUMAN	41	869	18/18	18
DDX3X_HUMAN	36	661	13/15	23
DDX3Y_HUMAN	35	164	2/2	4
DDX46_HUMAN	42	252	5/5	4
DDX5_HUMAN	35	1099	25/25	31
DDX6_HUMAN	30	427	8/8	17
DEK_HUMAN	28	151	3/3	7
DESP_HUMAN	50	643	0/12	4
CBR1_HUMAN	16	838	6/21	51
DHX15_HUMAN	40	1523	44/44	36

DHX9_HUMAN	44	315	7/7	5
DIAP1_HUMAN	46	99	2/2	1
DIAP3_HUMAN	44	290	6/6	5
DYN2_HUMAN	41	3387	73/73	55
EF1A1_HUMAN	28	490	5/14	18
EF1B_HUMAN	11	102	0/2	9
EF1G_HUMAN	27	957	7/24	30
EFTU_HUMAN	27	687	12/13	25
ELAV1_HUMAN	18	163	3/3	10
ENAH_HUMAN	37	616	14/14	20
EPIPL_HUMAN	51	929	0/14	3
ERH_HUMAN	3	135	4/4	22
EWS_HUMAN	37	660	17/17	16
FBSH_HUMAN	43	119	3/3	11
FUBP1_HUMAN	37	351	3/3	8
FUBP2_HUMAN	38	2117	48/48	43
FUS_HUMAN	32	363	8/8	16
FYB_HUMAN	20	1138	0/18	10
G3BP1_HUMAN	32	551	14/14	29
G3BP2_HUMAN	32	136	3/3	9
GBG12_HUMAN	1	171	0/3	35
GBLP_HUMAN	17	255	4/4	14
GEMI4_HUMAN	42	1435	31/31	24
GEMI5_HUMAN	46	155	3/3	1
GEMI6_HUMAN	12	221	3/4	21
G137A, CAPR1_HUMAN	40	507	14/15	13
GRP75_HUMAN	37	1153	4/25	38
GRP78_HUMAN	37	2049	24/63	52
GSTM3_HUMAN	12	297	2/6	19
H2A1A_HUMAN	7	127	2/4	20
H2B1B_HUMAN	8	204	5/7	39
H4_HUMAN	5	224	1/6	39
HMGA1_HUMAN	11	121	4/4	49
HN1L_HUMAN	14	120	2/2	14
HNRH1_HUMAN	30	295	5/6	16
HNRL1_HUMAN	40	180	4/4	5
HNRPC_HUMAN	21	172	5/5	17
HNRPF_HUMAN	28	333	7/7	19
HNRPG_HUMAN	26	725	22/22	51
HNRPK_HUMAN	32	607	19/19	34
HNRPM_HUMAN	37	1150	23/36	34
HNRPQ_HUMAN	34	335	7/7	11
HNRPU_HUMAN	42	861	20/20	16
HORN_HUMAN	51	138	0/4	2
HS90B_HUMAN	39	746	8/20	21
HSP71_HUMAN	35	1712	23/48	41
HSP7C_HUMAN	36	2151	28/60	50
HTSF1_HUMAN	42	503	11/11	14
ICLN_HUMAN	19	214	5/5	21
IF4G1_HUMAN	48	120	2/2	1
ILF2_HUMAN	27	256	4/4	12
ILF3_HUMAN	40	108	4/4	4
IMA1_HUMAN	34	511	12/12	15

IMB1_HUMAN	40	134	0/2	3
SC16A_HUMAN	50	396	9/9	4
K1C10_HUMAN	51	1127	0/22	31
K1C14_HUMAN	51	556	0/4	22
K1C16_HUMAN	28	365	0/4	16
K1C17_HUMAN	29	846	0/18	37
K1C18_HUMAN	27	3232	28/81	76
K1C9_HUMAN	51	1193	0/21	33
K22E_HUMAN	1	1039	0/13	21
K2C1_HUMAN	51	2072	0/34	42
K2C6A_HUMAN	28	392	0/6	14
K2C6B_HUMAN	4	370	0/6	12
K2C7_HUMAN	30	1948	3/32	48
K2C8_HUMAN	30	3442	24/82	73
KU70_HUMAN	36	378	7/7	15
KU86_HUMAN	38	268	7/7	9
LANC1_HUMAN	23	314	6/13	15
LASP1_HUMAN	19	306	6/8	27
LDB1_HUMAN	27	110	2/3	7
LDHA_HUMAN	19	130	0/2	6
LMO7_HUMAN	43	249	0/5	2
LPPRC_HUMAN	44	190	3/4	3
LRC59_HUMAN	17	157	4/4	11
LSM6_HUMAN	1	137	4/4	37
MED21_HUMAN	11	128	1/2	17
MEP50_HUMAN	23	286	8/8	15
ML12A_HUMAN	14	583	1/11	55
MOV10_HUMAN	42	185	3/3	3
MYH9_HUMAN	49	5027	0/96	40
MYL6_HUMAN	9	465	0/9	45
MYO1C_HUMAN	42	114	0/2	3
MYO1E_HUMAN	43	1030	23/23	18
NONO_HUMAN	32	3449	79/80	66
NPM_HUMAN	21	794	16/19	38
NUCL_HUMAN	41	950	19/19	25
NUFP2_HUMAN	38	213	3/4	7
P80C_HUMAN	36	154	2/2	3
PABP1_HUMAN	36	1275	20/22	29
PABP4_HUMAN	37	765	15/15	24
PAIRB_HUMAN	29	326	6/7	19
PARP1_HUMAN	42	229	4/4	4
PCBP1_HUMAN	23	222	4/6	14
PHB2_HUMAN	19	267	2/6	15
PHF5A_HUMAN	6	149	4/4	20
PLEC1_HUMAN	51	6622	1/136	26
PLOD1_HUMAN	38	349	6/6	10
PLOD3_HUMAN	38	880	16/16	25
PM14_HUMAN	6	418	10/10	56
PQBP1_HUMAN	19	630	12/12	35
PRP31_HUMAN	32	379	10/10	18
PRP4_HUMAN	32	138	4/4	8
PRP6_HUMAN	42	1234	29/29	29
PRP8_HUMAN	50	1935	46/46	18

PRPF3_HUMAN	38	1028	18/18	25
RBM33_HUMAN	47	318	10/10	23
PSMD3_HUMAN	34	148	3/3	8
PTBP1_HUMAN	30	126	3/3	4
PYGO2_HUMAN	27	176	3/5	13
RAPH1_HUMAN	46	244	6/6	6
RBM14_HUMAN	35	157	2/2	3
RBP56_HUMAN	35	216	4/4	7
RED_HUMAN	37	126	3/3	4
RENT1_HUMAN	43	202	4/4	4
REQU_HUMAN	27	432	7/8	23
RIOK1_HUMAN	38	209	5/5	13
RL11_HUMAN	15	299	8/9	33
RL12_HUMAN	12	455	8/9	48
RL17_HUMAN	15	109	2/2	10
RL21_HUMAN	14	434	11/12	44
RL22_HUMAN	9	195	3/4	35
RL23A_HUMAN	14	399	8/9	27
RL24_HUMAN	14	348	9/9	34
RL26_HUMAN	12	486	13/14	46
RL26L_HUMAN	11	413	8/8	35
RL27_HUMAN	10	336	8/8	45
RL27A_HUMAN	10	106	2/2	12
RL28_HUMAN	11	278	6/7	42
RL29_HUMAN	15	156	4/4	27
RL3_HUMAN	28	291	9/9	15
RL30_HUMAN	6	121	4/4	29
RL31_HUMAN	9	201	5/6	39
RL32_HUMAN	11	114	3/4	23
RL35_HUMAN	10	253	7/9	38
RL35A_HUMAN	6	207	7/8	48
RL36_HUMAN	7	137	5/5	18
RL38_HUMAN	3	119	3/3	34
RL4_HUMAN	28	385	10/10	16
RL5_HUMAN	18	284	7/7	23
RL6_HUMAN	21	376	7/7	25
RLA0_HUMAN	19	620	13/14	44
RLA2_HUMAN	7	567	10/11	91
RM12_HUMAN	15	146	2/3	18
ROA0_HUMAN	18	141	2/2	7
ROA1_HUMAN	19	762	15/15	29
ROA2_HUMAN	19	574	9/9	30
ROAA_HUMAN	20	125	2/2	6
RS10_HUMAN	12	580	11/17	55
RS11_HUMAN	12	380	8/9	32
RS13_HUMAN	10	536	11/12	55
RS14_HUMAN	9	266	5/5	18
RS15_HUMAN	12	275	7/9	26
RS15A_HUMAN	8	295	8/9	43
RS16_HUMAN	9	305	8/8	49
RS17_HUMAN	11	294	7/9	27
RS18_HUMAN	11	799	18/23	52
RS19_HUMAN	8	795	21/25	68

RS2_HUMAN	16	108	3/4	13
RS20_HUMAN	8	101	4/4	21
RS23_HUMAN	10	191	4/4	21
RS24_HUMAN	10	102	3/3	17
RS25_HUMAN	10	392	8/10	52
RS26_HUMAN	8	175	4/5	40
RS27_HUMAN	3	127	3/3	31
RS27A_HUMAN	6	96	3/4	26
RS28_HUMAN	2	124	2/2	33
RS29_HUMAN	1	108	3/3	32
RS30_HUMAN	3	145	3/3	33
RS3A_HUMAN	16	465	13/14	35
RT28_HUMAN	11	154	4/4	19
RU17_HUMAN	34	559	15/15	22
RU1C_HUMAN	15	202	4/4	18
RU2A_HUMAN	11	139	2/2	10
RU2B_HUMAN	8	148	3/3	12
RUXE_HUMAN	3	199	5/7	47
RUXF_HUMAN	3	253	7/7	50
RUXG_HUMAN	1	197	6/6	36
KHDR1_HUMAN	33	1058	27/27	44
SART3_HUMAN	43	326	7/7	7
SERA_HUMAN	31	121	0/2	4
SF01_HUMAN	38	425	8/8	13
SF3A1_HUMAN	41	2480	50/50	45
SF3A2_HUMAN	32	559	15/15	28
SF3A3_HUMAN	31	1014	23/23	27
SF3B1_HUMAN	42	326	6/6	5
SF3B2_HUMAN	43	3673	72/72	62
SF3B3_HUMAN	43	2165	44/44	31
SF3B4_HUMAN	28	233	6/6	11
SF3B5_HUMAN	3	248	6/6	54
SFPQ_HUMAN	40	3026	72/73	50
SFR15_HUMAN	46	173	4/4	4
SFRS1_HUMAN	17	296	6/6	22
SFRS2_HUMAN	17	293	9/9	27
SFRS3_HUMAN	15	174	4/4	31
SFRS5_HUMAN	21	139	4/4	13
SFRS6_HUMAN	29	250	5/5	14
SFRS7_HUMAN	18	121	2/2	12
SMCA2_HUMAN	48	965	3/3	11
SMCA4_HUMAN	48	2036	41/41	23
SMCE1_HUMAN	28	661	11/11	29
SMD1_HUMAN	7	325	7/7	37
SMD2_HUMAN	7	485	14/14	64
SMD3_HUMAN	7	159	5/5	36
SMN_HUMAN	18	271	5/5	13
SMRC1_HUMAN	44	1392	32/32	21
SMRC2_HUMAN	46	1394	35/35	22
SMRD1_HUMAN	32	465	9/9	19
SMRD2_HUMAN	32	202	4/4	10
SNF5_HUMAN	27	432	8/8	23
SNRPA_HUMAN	18	639	15/15	46

SNUT1_HUMAN	42	296	5/5	6
SNUT2_HUMAN	35	290	6/6	10
SPF45_HUMAN	30	470	11/11	22
SPTA2_HUMAN	50	118	0/3	1
SRP09_HUMAN	3	127	3/3	30
SRP14_HUMAN	10	436	9/9	41
SSBP3_HUMAN	23	310	6/6	11
SSBP4_HUMAN	27	154	2/2	7
SSRP1_HUMAN	37	97	2/2	2
STRAP_HUMAN	23	658	14/14	37
TBA4A_HUMAN	30	536	1/2	3
TBA1B_HUMAN	30	785	11/22	31
TBB2C, TBB5_HUMAN	30	1097	15/32	35
TCP4_HUMAN	9	392	10/11	55
TCRG1_HUMAN	44	3556	75/75	42
TFG_HUMAN	28	216	2/7	13
THIO_HUMAN	5	183	2/6	31
TM109_HUMAN	15	339	7/7	16
TMOD3_HUMAN	23	195	0/5	15
TPM2_HUMAN	21	428	0/9	23
TRA2B_HUMAN	23	221	5/5	15
TRI25_HUMAN	36	243	4/4	6
TXN4A_HUMAN	7	207	1/5	21
U520_HUMAN	48	2156	46/46	19
U5S1_HUMAN	42	1740	37/38	35
UBIQ_HUMAN	1	94	0/2	32
UBP2L_HUMAN	43	133	2/2	2
VASP_HUMAN	27	1338	20/20	42
VIME_HUMAN	31	187	0/5	12
WIPF1_HUMAN	33	477	12/12	23
WASL_HUMAN	34	822	20/20	35
WBP11_HUMAN	39	2194	45/45	40
WDR61_HUMAN	17	243	7/7	16
WDR68_HUMAN	23	180	5/5	12
WIPF2_HUMAN	30	715	15/15	38
WRIP1_HUMAN	38	563	13/13	18
YBOX1_HUMAN	27	439	9/10	37
YTHD2_HUMAN	34	100	2/2	4
ZCCHV_HUMAN	41	115	2/2	2
ZN207_HUMAN	30	640	11/11	18
ZN598_HUMAN	41	1275	26/26	25

*includes all peptides that were uniquely assigned to one protein homology or identity based on a significant score given by Mascot