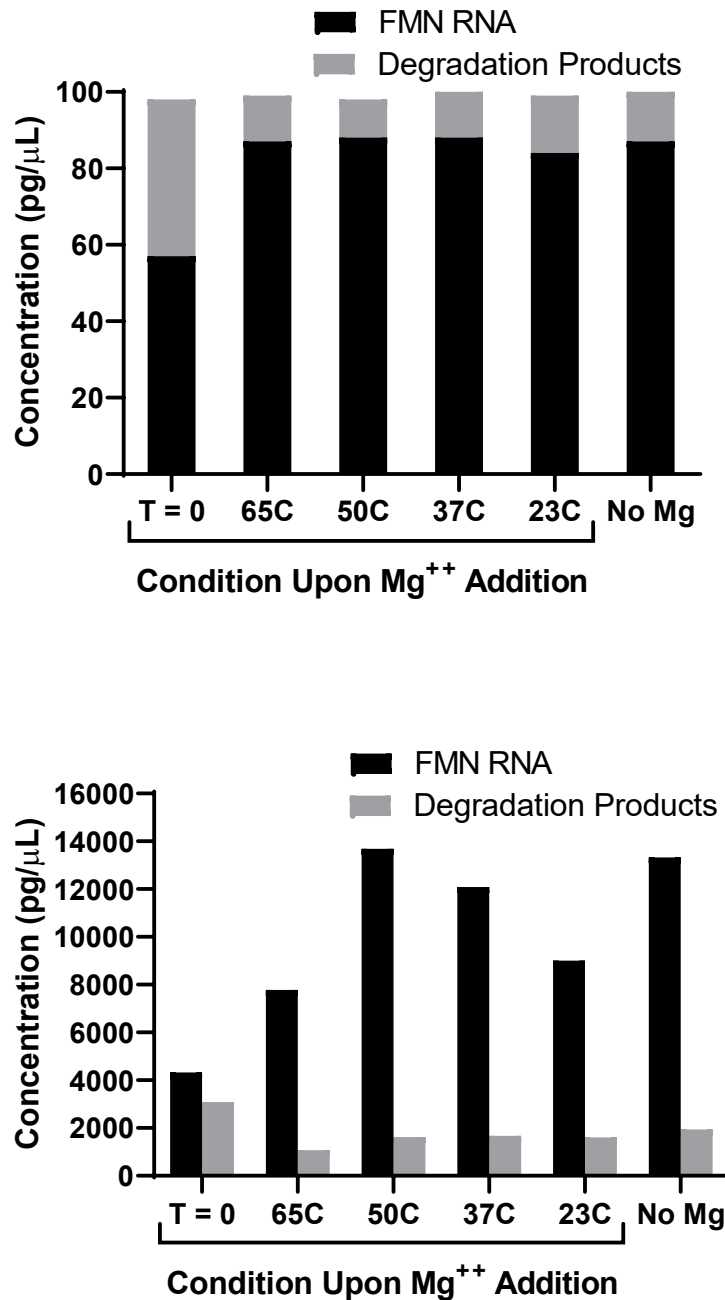
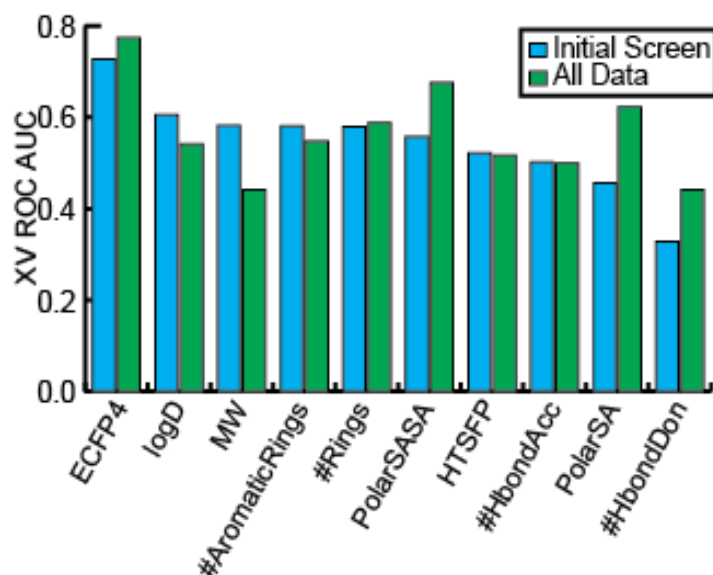


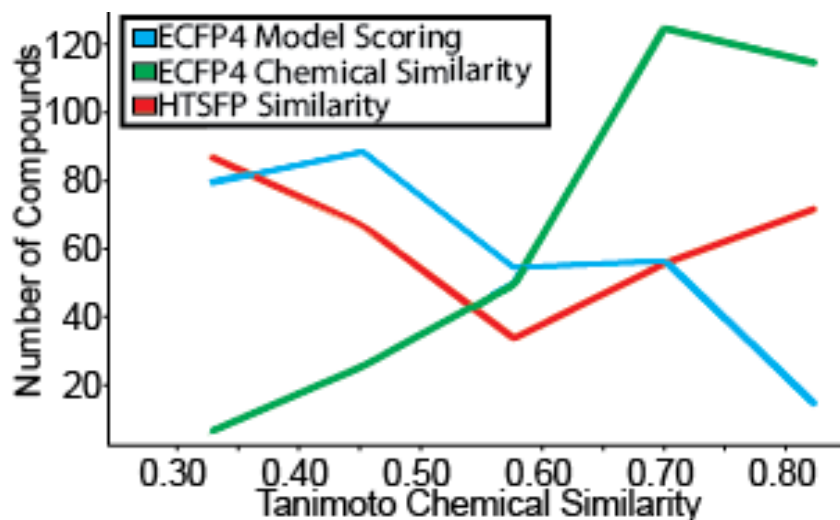
Supplementary Figures



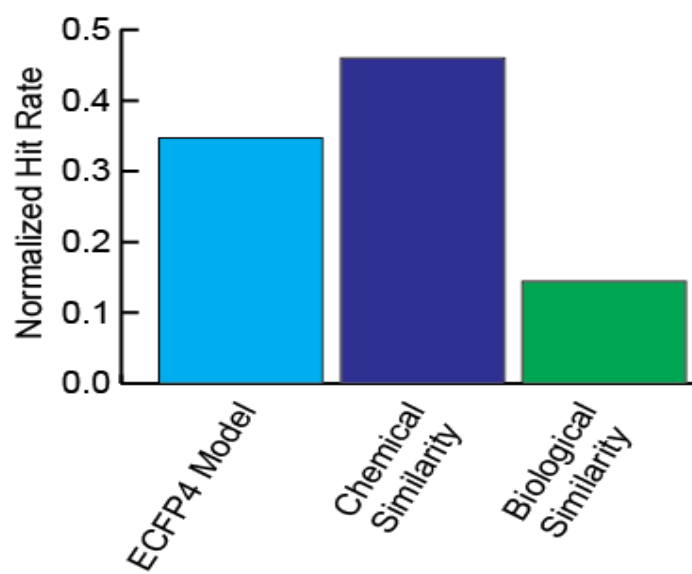
Supplementary Figure 1: Mg⁺⁺-Mediated Degradation of FMN Riboswitch RNA at various temperatures during annealing. 10 μL of sample in PCR vial was heated to 95 °C in PCR thermocycler. Temperature decreased by 10 °C, held for 5 min, and decreased by additional 10 °C increments. Final temp = 25 °C. Total run time = 41 min. FMN RNA and any degradation products were analyzed using the Agilent Bioanalyzer 2100. **Top:** Concentrations of FMN RNA and degradation products. **Bottom:** Relative percentages of FMN RNA and degradation products.



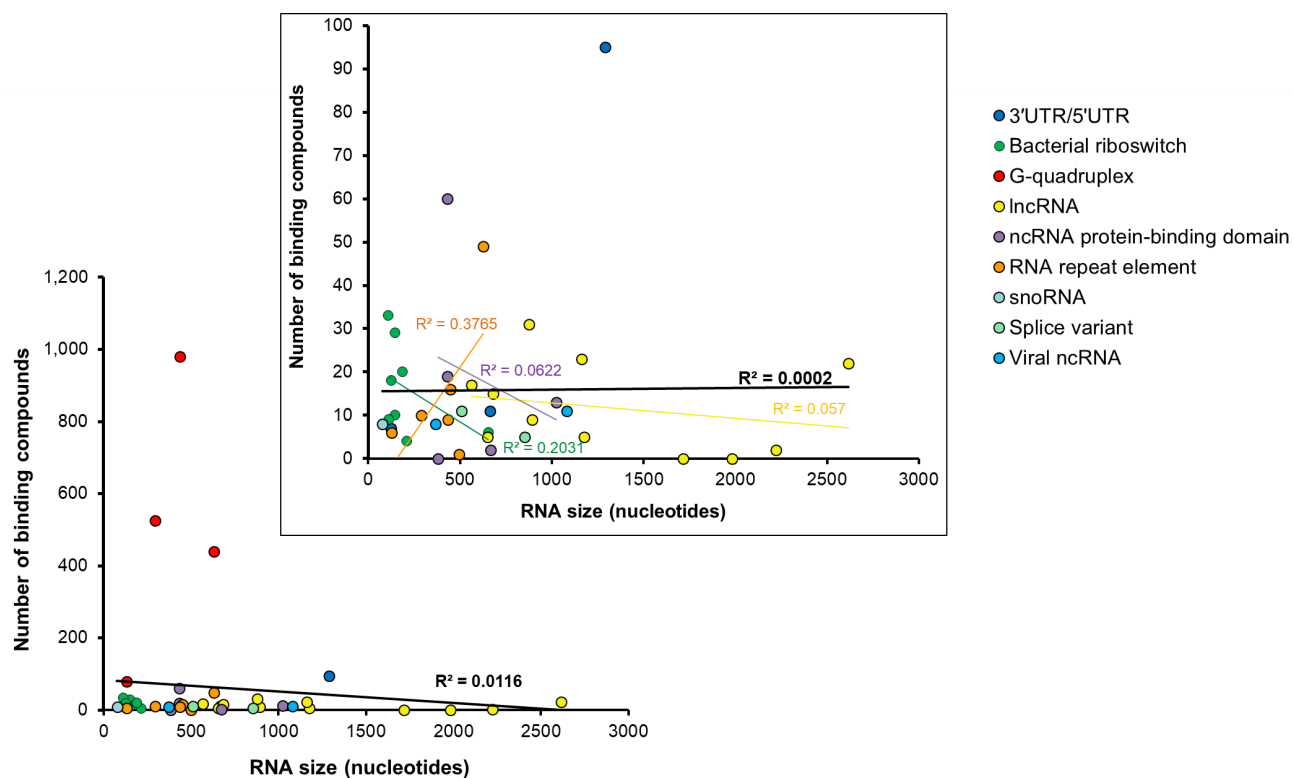
Supplementary Figure 2: Cross-validated ROC AUC scores for models trained to classify RNA binding using physicochemical, structural, and biological fingerprint descriptors. Model scores for the initial (primary) screen are shown in blue, while models including RNA-focused library screening data are in green.



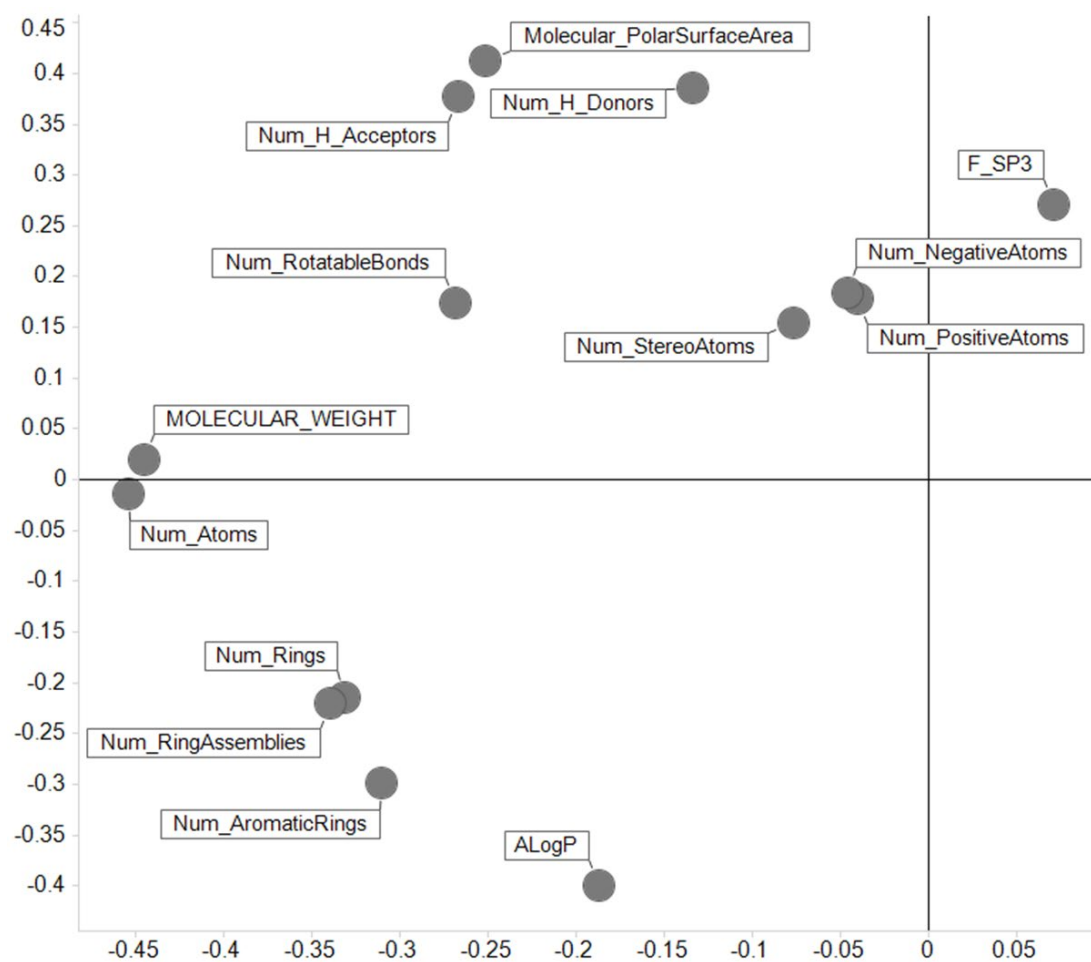
Supplementary Figure 3: Number of compounds identified using three different informatic approaches to yield the RNA-focused Library of ~3,700 compounds. ECFP4 Model Scoring identifies compounds based on a similar chemtype/chemical feature; ECFP5 Chemical Similar identifies compounds that are chemical analogs (based on Tanimoto score); HTSFP similarity identifies compounds that have a similar a biological fingerprint (indicating similar performance in a range of biological assays).



Supplementary Figure 4: Comparison of the methodologies used to generate the RNA-focused Library.

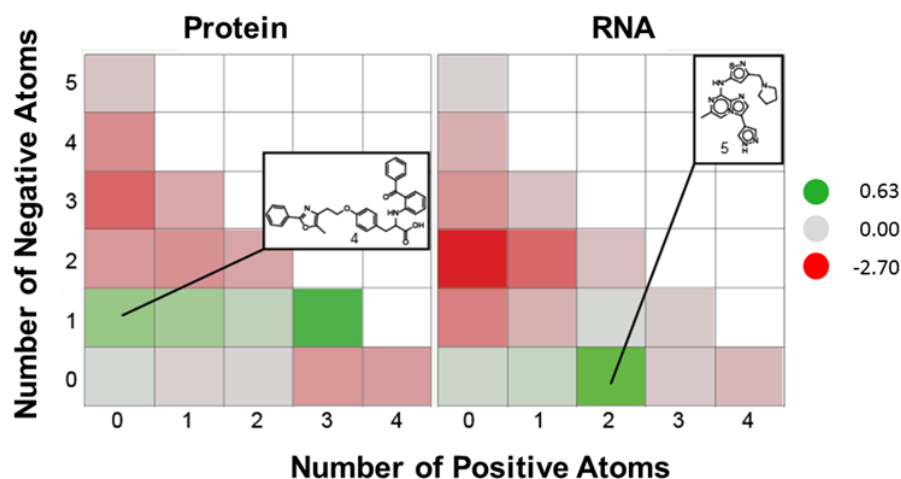


Supplementary Figure 6: Correlation between RNA target size (nt) and the number of binding compounds. Individual RNA classes are indicated by color, and Pearson correlations are calculated by RNA class (colored lines, for RNA classes with more than five targets) as well as an overall correlation (black line). Inset graph excludes G-quadruplexes.

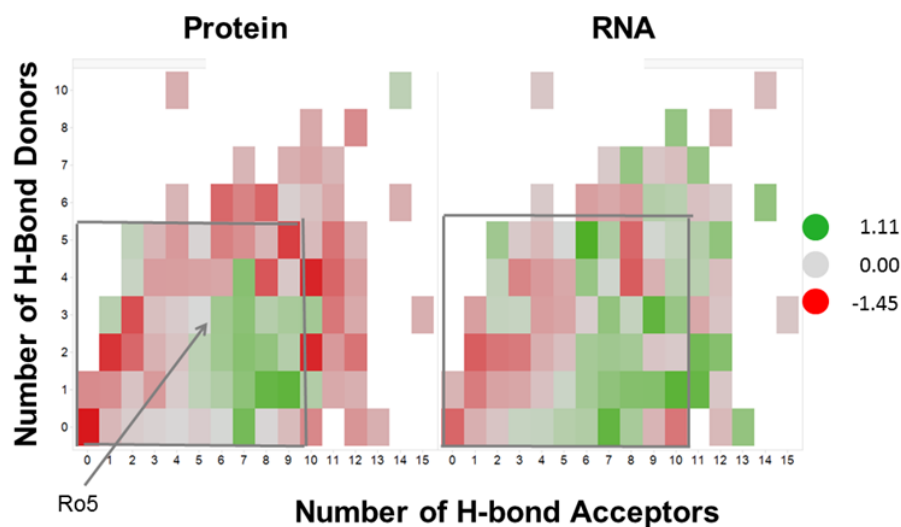


Supplementary Figure 7: Loadings for PCA plot of ligands that bind protein and RNA targets.

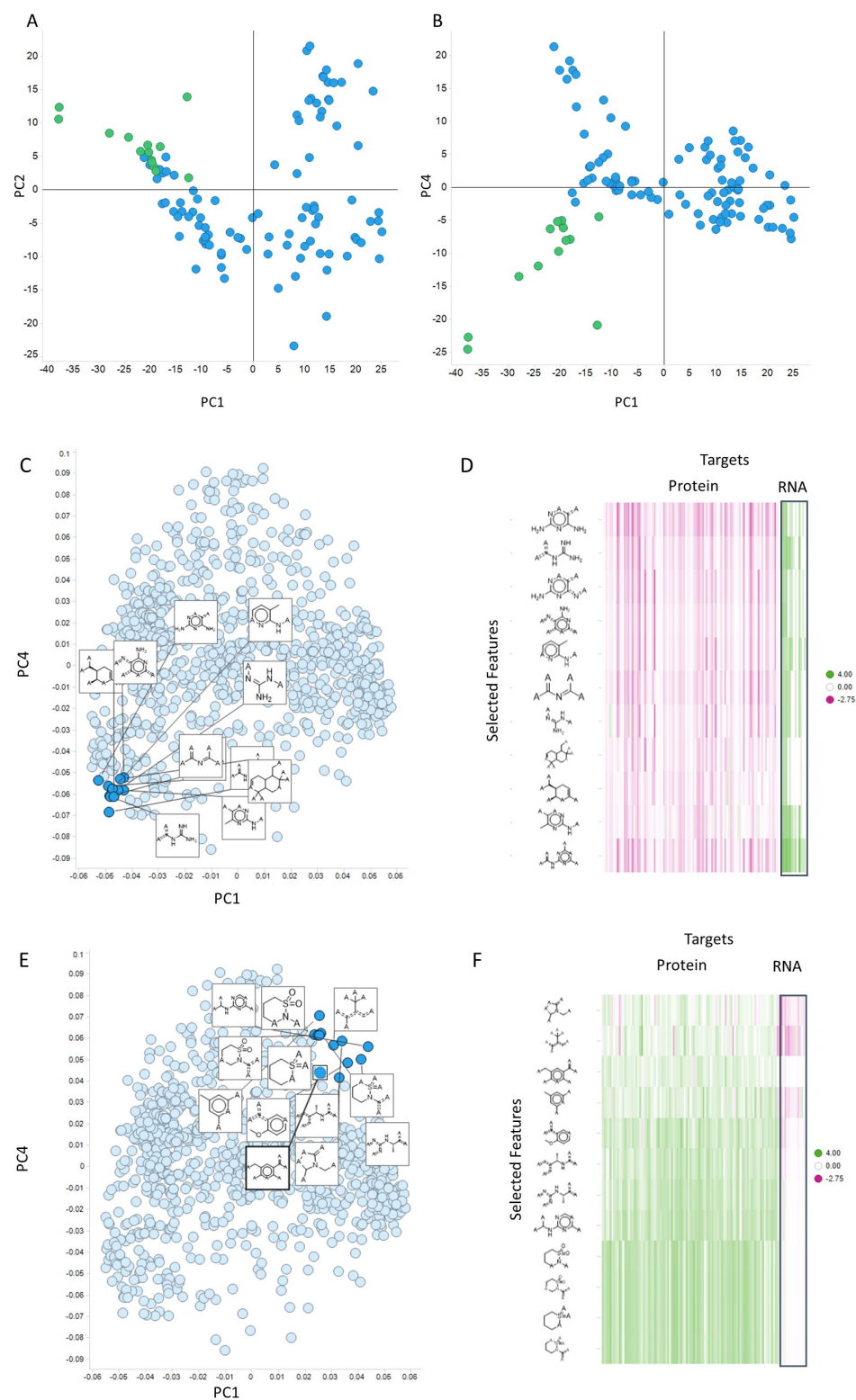
A



B

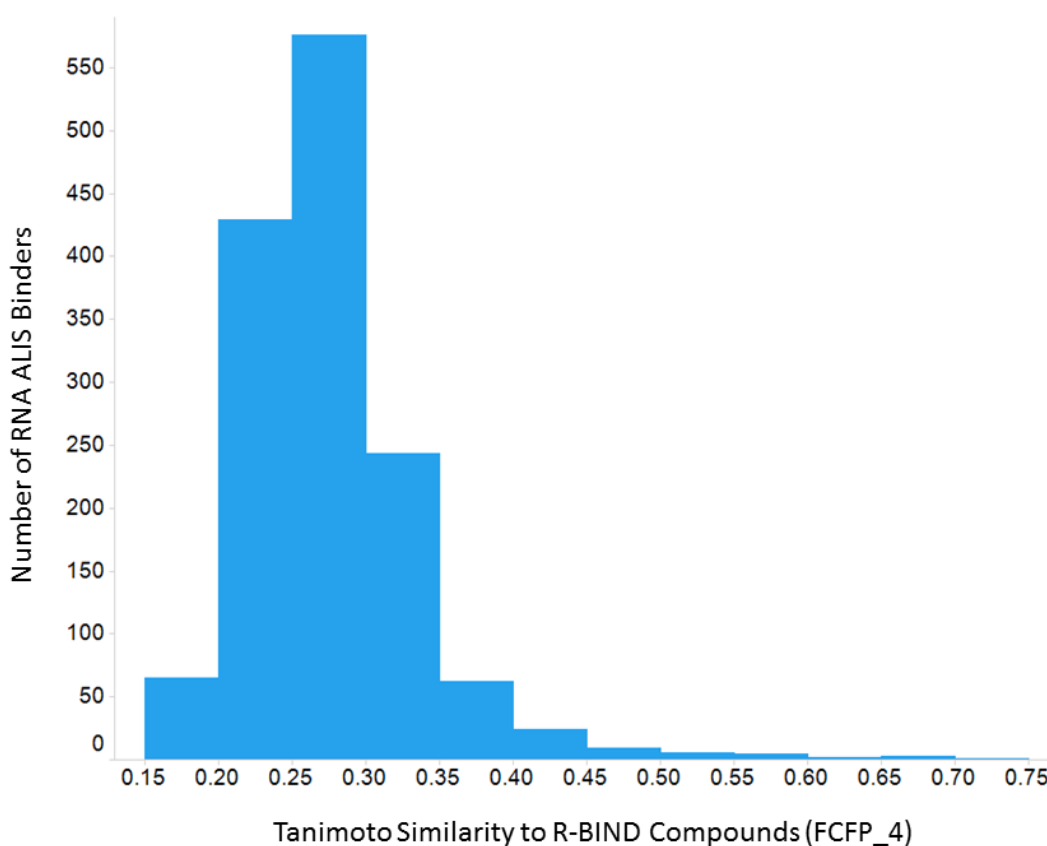


Supplementary Figure 8: Feature score maps for physicochemical properties of protein and RNA binders. **A:** Screening library compounds were binned based on calculated number of negative atoms (x-axis) and number of positive atoms (y-axis), and the color of each heatmap cell represents the normalized probability weight for the given bin (or feature) for binders versus non-binders. Example compounds (4 and 5) with physicochemical properties corresponding to selected bins are displayed. **B:** The normalized probability for specific hydrogen bond donor and hydrogen bond acceptor combinations in binders versus non-binders. For both plots, physical chemical property bins with positive scores correspond to properties that are more likely to be observed in the binders.



Supplementary Figure 9: Comparison of Protein (blue) and RNA (green) targets using Principal Component Analysis (PCA). Naïve Bayesian models were built using ECFP4 descriptors for binders and

non-binders for each target, and the highest scoring features from these models were used to train the PCA (see Methods). A: PC2 (0.09 variance explained) is plotted against PC1 (0.25 variance explained). B: When PC4 (0.06 variance explained) is plotted against PC1, we see a clear separation of RNA and protein targets. By visualizing the loadings associated with PC1 and PC4, we can select features that are associated with RNA binding (C-D) or with protein binding (E-F). The loadings are depicted in C and E, while a heat map for a subset of features is depicted in D and F. The heat maps are colored based on the Normalized probability associated with each feature – positive features tend to be found in compounds associated with binding the target of interest, while negative values tend to be found in compounds that do not bind the target.



Supplementary Figure 10: Tanimoto similarity of RNA binders identified using the ALIS platform versus R-BIND¹. Similarity was computed using ECFP₄ descriptors².

References:

1. Morgan, B. S., Forte, J. E., Culver, R. N., Zhang, Y., and Hargrove, A. E. (2017) Discovery of Key Physicochemical, Structural, and Spatial Properties of RNA-Targeted Bioactive Ligands, *Angewandte Chemie International Edition* 56, 13498-13502.
2. Rogers, D., and Hahn, M. (2010) Extended-Connectivity Fingerprints, *Journal of Chemical Information and Modeling* 50, 742-754.

Supplementary Table 1A: Screening summary and number of selective, non-selective, and total compounds that bind to each RNA target screened in ALIS (number of binding compounds are from all compound libraries)

				SCREENING SUMMARY			COMPOUND BINDING SUMMARY		
RNA ID	Target Name	RNA Category	Disease type/ phenotypic trait	Screened against Diversity & Functionally Annotated libraries:	Part of training set for RNA-focused Library:	Screened against RNA-focused Library:	Total binding compounds	Selective compounds	Non-selective compounds
RNA01	PCSK9_5UTR+100CDS_RNA	3'UTR/5'UTR	LDL cholesterol	TRUE	TRUE	TRUE	11	2	9
RNA02	PCSK9_3UTR_RNA	3'UTR/5'UTR	LDL cholesterol	TRUE	TRUE	TRUE	95	5	90
RNA03	VEGFA_RNA	3'UTR/5'UTR	Oncology	TRUE	TRUE	TRUE	7	1	6
RNA04	Riboswitch_FMN	Bacterial riboswitch	Antibacterial	TRUE	TRUE	TRUE	30	14	16
RNA05	Riboswitch_FMN_Scramble	Bacterial riboswitch	Antibacterial	TRUE	TRUE	TRUE	10	0	10
RNA06	ribB_full_RNA	Bacterial riboswitch	Antibacterial	TRUE	TRUE	FALSE	6	1	5
RNA07	Riboswitch_SAH_68meth	Bacterial riboswitch	Antibacterial	TRUE	TRUE	FALSE	9	1	8
RNA08	Riboswitch_TPP_165_thiM_WT	Bacterial riboswitch	Antibacterial	TRUE	TRUE	FALSE	4	2	2
RNA09	diGMP_Vc2_RNA	Bacterial riboswitch	Antibacterial	TRUE	TRUE	TRUE	33	3	30
RNA10	SAM_124yti_RNA	Bacterial riboswitch	Antibacterial	TRUE	TRUE	TRUE	18	2	16
RNA11	B12_386_cob_RNA	Bacterial riboswitch	Antibacterial	TRUE	TRUE	TRUE	20	4	16
RNA12	C9orf72_9R_RNA (G4 form)	G-quadruplex	Neuro-degenerative disease	TRUE	FALSE	TRUE	79	1	78
RNA13	C9orf72_36R_RNA (G4 form)	G-quadruplex	Neuro-degenerative disease	TRUE	FALSE	TRUE	539	112	427
RNA14	C9orf72_60R_RNA (G4 form)	G-quadruplex	Neuro-degenerative disease	TRUE	FALSE	TRUE	988	646	342
RNA15	C9orf72_92R_RNA (G4 form)	G-quadruplex	Neuro-degenerative disease	TRUE	FALSE	TRUE	448	66	382
RNA16	UBE3A_AS_RNA	lncRNA	Angelman syndrome	TRUE	TRUE	TRUE	9	1	8
RNA17	NRAV_RNA	lncRNA	Innate immunity	TRUE	TRUE	TRUE	5	0	5
RNA18	PVT1_RNA	lncRNA	Oncology	TRUE	TRUE	FALSE	0	0	0
RNA19	GAS5_RNA	lncRNA	Breast cancer	TRUE	TRUE	FALSE	5	0	5
RNA20	APOA1_AS_RNA	lncRNA	Cholesterol transport	TRUE	TRUE	FALSE	17	6	11
RNA21	HOTAIR_RNA	lncRNA	Oncology	TRUE	TRUE	FALSE	2	0	2
RNA22	FIRRE_RNA	lncRNA	Modulates nuclear architecture across chromosomes	TRUE	TRUE	TRUE	23	4	19
RNA23	SRA1_RNA	lncRNA	Development, metabolism, and reproduction	TRUE	TRUE	TRUE	31	7	24
RNA24	NKILA_RNA	lncRNA	Inflammatory disease	TRUE	TRUE	TRUE	22	10	12
RNA25	Lethe_RNA	lncRNA	Inflammatory disease	TRUE	TRUE	TRUE	15	0	15
RNA26	THRIL_RNA	lncRNA	Inflammatory disease	TRUE	TRUE	TRUE	0	0	0
RNA27	JPX_382	ncRNA protein-binding domain	X-chromosome inactivation	TRUE	TRUE	TRUE	21	0	21
RNA28	Tsix_430b	ncRNA protein-binding domain	X-chromosome inactivation	TRUE	TRUE	TRUE	60	33	27
RNA29	Xist_430b	ncRNA protein-binding domain	X-chromosome inactivation	TRUE	TRUE	TRUE	19	6	13
RNA30	DXPas34_F	ncRNA protein-binding domain	X-chromosome inactivation	TRUE	TRUE	FALSE	13	5	8
RNA31	DXPas34_R	ncRNA protein-binding domain	X-chromosome inactivation	TRUE	TRUE	FALSE	2	0	2
RNA32	huHTT_exon1_17CAG_RNA	RNA repeat element	Neurodevelopmental disorder	TRUE	TRUE	TRUE	16	1	15
RNA33	huHTT_41_CAG_RNA	RNA repeat element	Neurodevelopmental disorder	TRUE	FALSE	TRUE	1	0	1
RNA34	C9orf72_9R_RNA (hp form)	RNA repeat element	Neurodegenerative disease	TRUE	FALSE	TRUE	6	1	5
RNA35	C9orf72_36R_RNA (hp form)	RNA repeat element	Neurodegenerative disease	TRUE	FALSE	TRUE	10	0	10
RNA36	C9orf72_60R_RNA (hp form)	RNA repeat element	Neurodegenerative disease	TRUE	FALSE	TRUE	9	3	6
RNA37	C9orf72_92R_RNA (hp form)	RNA repeat element	Neurodegenerative disease	TRUE	FALSE	TRUE	50	1	49
RNA38	SNORD50A_RNA	snoRNA	Oncology	TRUE	TRUE	TRUE	8	1	7
RNA39	STING_RNA	Splice variant	Innate immunity	TRUE	TRUE	TRUE	5	3	2
RNA40	SMN2_RNA	Splice variant	Spinal muscular atrophy	TRUE	TRUE	TRUE	11	1	10
RNA41	HIV_switch_RNA	Viral ncRNA	Antiviral	TRUE	TRUE	TRUE	8	1	7
RNA42	PAN_RNA	Viral ncRNA	Viral latency	TRUE	TRUE	TRUE	11	0	11

Supplementary Table 1B: RNA Target Properties

[illegible]

PAN_RNA	RNA42	1081	0.44	-309.17	-0.29	GC GUUUAGCACUGGGACUGCCAGUCACCUUGGCUGCCGCUUACCCU AUGGAUUUUUGUGCUCGUCUGCUUGCCUUCUUGCCGCUUCUGGUUUUCAAUUGGU GCCGCCGAUUGUGGUGAUUGCGU CGCUUUUGGCAAUAIACCCAUUCUGGCUUUCGGCUAGGUUUUCCGUCCUACUUUUCCCACAUUGGCCUGAGAGCUGUAGUACAAAAACACCGCGCGGUCUGGAGCUCUCCAUAAGCCGCAGAAC AAAAGCUGCGAUUUGCCCAAAAACCUUGCCAUGGCAACUAIACAGUACCCCUUGCGGGUUAUUGCAUUGGAUUAUCCAGGCCAGUUGUAGCCCCUUAUUAUGAUUGCGAGAUACUUA CGUGUCUGAAUUGGAUUAUAAUGUGAAAGGAAAGCAGGCCACUGGUGUAUCAGAACAGUGGUGCACUACCUAUCUGCUCAUUGGUUUUGCGGUUCUGUUGUUUGUCUGAUUCUUAAGAUAG UGUUGAGGUAAUUCUAGAAAAGCGAUUUGAGUGUAAUUGGGCCACUUGCCCUAAAUGUGACAUUCUGGAUGUGUAUCUUAUUGGUUGCGUUGUGAAGCAUUUAAAAUGCGUUUUAAGAUUGU AUCAGGCUAGUGCUGUAUUGGUGUGUUUAUUUUUCCAGUGUAAGCAAGUCGAUUUGAAUGACAUAGGCGACAAAGUGAGGUGGCAUUUGUCAGAAUUUCAAAGUCGUGUAAGAACAUUGGAC UAAAGUGGUUGCGGCACUGGGAGCGCUUUCAUUGUUAUUGUUUAUUGUUAUUGUUGUUGGAGUUCAGGCUAAUUAUGAUUUUUGCUAGGUUGACUAAACGAUGUUUUCUUG UAGGUGAAAGCGUUGUGUAACAUGAAACGGUGUUUUGGCUGGGUUUUCCUUGUUCGACCCGACACCUCCAGUAGCAGACGGCAAGGUUUUAUCCAGUGUAUUGGAAAAACAUGU UAUACUUUUGACAAUUAACGUGCCUAGAGCUCAAAUUAACUAUAUACCUAAACGUAAUGCAACUUAACAUAUAAAGGUCAUUGUUAUCCA
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Supplementary Table 2: The hit rate (percent library bound = (number of binders/total library size) x 100) for protein targets screened in ALIS against the Functionally Annotated Library (5,100 compounds; top table) and the Diversity Library (~50,000 compounds; bottom table).

Protein Target	Total compounds bound (from Functionally Annotated Library)	Percent Library bound (%)	Selective compounds	Nonselective compounds
Protein1	57	1.1	0	57
Protein2	524	10.1	9	515
Protein3	797	15.37	58	739
Protein4	317	6.11	1	316
Protein5	109	2.1	0	109
Protein6	477	9.2	4	473
Protein7	332	6.4	3	329
Protein8	449	8.66	0	449
Protein9	13	0.25	0	13
Protein10	196	3.78	0	196
Protein11	57	1.1	1	56
Protein12	174	3.36	0	174
Protein13	170	3.28	6	164
Protein14	334	6.44	0	334
Protein15	307	5.92	0	307
Protein16	186	3.59	0	186
Protein17	37	0.71	0	37
Protein18	109	2.1	0	109
Protein19	99	1.91	0	99
Protein20	9	0.17	0	9
Protein21	33	0.64	0	33
Protein22	574	11.07	4	570
Protein23	17	0.33	0	17
Protein24	38	0.73	8	30
Protein25	208	4.01	0	208
Protein26	130	2.51	0	130
Protein27	134	2.58	15	119
Protein28	546	10.53	2	544
Protein29	127	2.45	1	126
Protein30	163	3.14	1	162
Protein31	102	1.97	0	102
Protein32	381	7.35	3	378
Protein33	20	0.39	0	20
Protein34	18	0.35	0	18
Protein35	15	0.29	1	14
Protein36	68	1.31	0	68
Protein37	11	0.21	0	11
Protein38	398	7.67	0	398
Protein39	82	1.58	0	82
Protein40	10	0.19	0	10
Protein41	173	3.34	1	172
Protein42	110	2.12	0	110
Protein43	59	1.14	0	59
Protein44	17	0.33	0	17
Protein45	240	4.63	14	226

Protein46	325	6.27	0	325
Protein47	256	4.94	0	256
Protein48	286	5.51	0	286
Protein49	80	1.54	0	80
Protein50	22	0.42	1	21
Protein51	150	2.89	0	150
Protein52	6	0.12	0	6
Protein53	43	0.83	0	43
Protein54	137	2.64	0	137
Protein55	43	0.83	0	43
Protein56	189	3.64	0	189
Protein57	4	0.08	0	4
Protein58	31	0.6	0	31
Protein59	15	0.29	0	15
Protein60	23	0.44	0	23
Protein61	92	1.77	0	92
Protein62	33	0.64	0	33
Protein63	567	10.93	8	559
Protein64	116	2.24	0	116
Protein65	35	0.67	0	35
Protein66	89	1.72	0	89
Protein67	118	2.28	0	118
Protein68	237	4.57	1	236
Protein69	137	2.64	2	135
Protein70	157	3.03	0	157
Protein71	187	3.61	0	187
Protein72	14	0.27	0	14
Protein73	271	5.23	0	271
Protein74	112	2.16	9	103
Protein75	373	7.19	2	371
Protein76	219	4.22	0	219
Protein77	106	2.04	1	105
Protein78	398	7.67	3	395
Protein79	255	4.92	0	255
Protein80	400	7.71	2	398
Protein81	300	5.78	1	299
Protein82	160	3.09	0	160
Protein83	176	3.39	0	176
Protein84	281	5.42	0	281
Protein85	388	7.48	2	386
Protein86	125	2.41	0	125
Protein87	274	5.28	6	268
Protein88	224	4.32	0	224
Protein89	415	8	9	406
Protein90	53	1.02	0	53
Protein91	111	2.14	0	111
Protein92	144	2.78	0	144
Protein93	141	2.72	0	141
Protein94	166	3.2	0	166
Protein95	89	1.72	0	89
Protein96	168	3.24	0	168

Protein97	31	0.6	0	31
Protein98	155	2.99	0	155
Protein99	291	5.61	25	266
Protein100	47	0.91	1	46
Protein101	62	1.2	4	58
Protein102	141	2.72	9	132
Protein103	71	1.37	0	71
Protein104	108	2.08	0	108
Protein105	257	4.96	3	254
Protein106	95	1.83	2	93
Protein107	301	5.8	0	301
Protein108	119	2.29	0	119
Protein109	80	1.54	0	80
Protein110	209	4.03	0	209
Protein111	41	0.79	3	38
Protein112	11	0.21	1	10
Protein113	128	2.47	12	116
Protein114	57	1.1	0	57
Protein115	71	1.37	1	70
Protein116	74	1.43	1	73
Protein117	51	0.98	0	51
Protein118	64	1.23	0	64
Protein119	166	3.2	0	166
Protein120	132	2.55	0	132
Protein121	94	1.81	0	94
Protein122	228	4.4	2	226
Protein123	109	2.1	0	109
Protein124	81	1.56	0	81
Protein125	76	1.47	0	76
Protein126	81	1.56	0	81
Protein127	54	1.04	0	54
Protein128	206	3.97	0	206
Protein129	20	0.39	2	18
Protein130	24	0.46	6	18
Protein131	14	0.27	1	13
Protein132	17	0.33	4	13
Protein133	9	0.17	0	9
Protein134	17	0.33	0	17
Protein135	63	1.21	0	63
Protein136	77	1.48	0	77
Protein137	48	0.93	0	48
Protein138	13	0.25	0	13
Protein139	64	1.23	1	63
Protein140	41	0.79	0	41
Protein141	33	0.64	0	33
Protein142	10	0.19	0	10
Protein143	57	1.1	0	57
Protein144	85	1.64	0	85
Protein145	26	0.5	0	26
Protein146	41	0.79	0	41
Protein147	42	0.81	0	42

Protein148	41	0.79	0	41
Protein149	21	0.4	0	21
Protein150	17	0.33	0	17
Protein151	10	0.19	0	10
Protein152	41	0.79	0	41
Protein153	39	0.75	0	39
Protein154	49	0.94	0	49
Protein155	8	0.15	0	8
Protein156	7	0.13	0	7
Protein157	8	0.15	0	8
Protein158	25	0.48	4	21
Protein159	17	0.33	0	17
Protein160	21	0.4	0	21
Protein161	20	0.39	0	20
Protein162	27	0.52	0	27
Protein163	40	0.77	1	39
Protein164	18	0.35	0	18
Protein165	20	0.39	0	20
Protein166	16	0.31	0	16
Protein167	17	0.33	0	17
Protein168	9	0.17	0	9
Protein169	11	0.21	0	11
Protein170	5	0.1	0	5
Protein171	13	0.25	0	13
Protein172	6	0.12	0	6
Protein173	6	0.12	0	6
Protein174	15	0.29	0	15
Protein175	22	0.42	0	22
Protein176	16	0.31	0	16
Protein177	17	0.33	0	17
Protein178	19	0.37	0	19
Protein179	5	0.1	0	5
Protein180	21	0.4	0	21
Protein181	76	1.47	0	76
Protein182	29	0.56	0	29
Protein183	8	0.15	0	8
Protein184	13	0.25	0	13
Protein185	10	0.19	0	10
Protein186	5	0.1	0	5
Protein187	10	0.19	0	10
Protein188	7	0.13	0	7
Protein189	3	0.06	0	3
Protein190	8	0.15	0	8
Protein191	10	0.19	0	10
Protein192	3	0.06	0	3
Protein193	10	0.19	0	10
Protein194	6	0.12	0	6
Protein195	11	0.21	0	11
Protein196	23	0.44	1	22
Protein197	12	0.23	0	12
Protein198	21	0.4	0	21

Protein199	20	0.39	3	17
Protein200	7	0.13	0	7
Protein201	7	0.13	0	7
Protein202	12	0.23	0	12
Protein203	16	0.31	0	16
Protein204	4	0.08	0	4
Protein205	5	0.1	0	5
Protein206	20	0.39	0	20
Protein207	8	0.15	0	8
Protein208	3	0.06	0	3
Protein209	9	0.17	0	9
Protein210	4	0.08	0	4
Protein211	4	0.08	0	4
Protein212	3	0.06	0	3
Protein213	5	0.1	0	5
Protein214	86	1.66	0	86
Protein215	12	0.23	0	12
Protein216	9	0.17	0	9
Protein217	18	0.35	0	18
Protein218	9	0.17	0	9
Protein219	280	5.4	1	279
Protein220	6	0.12	0	6
Protein221	5	0.1	0	5
Protein222	3	0.06	0	3
Protein223	5	0.1	0	5
Protein224	4	0.08	0	4
Protein225	4	0.08	0	4
Protein226	2	0.04	0	2
Protein227	2	0.04	0	2
Protein228	4	0.08	0	4
Protein229	1	0.02	0	1
Protein230	1	0.02	0	1
Protein231	2	0.04	0	2
Protein232	5	0.1	0	5
Protein233	17	0.33	0	17
Protein234	4	0.08	0	4
Protein235	353	6.81	41	312
Protein236	199	3.84	9	190
Protein237	5	0.1	0	5
Protein238	71	1.37	0	71
Protein239	20	0.39	0	20
Protein240	14	0.27	0	14
Protein241	48	0.93	1	47
Protein242	23	0.44	0	23
Protein243	142	2.74	0	142
Protein244	3	0.06	0	3
Protein245	17	0.33	0	17
Protein246	148	2.85	6	142
Protein247	18	0.35	2	16
Protein248	62	1.2	6	56
Protein249	20	0.39	2	18

Protein250	57	1.1	2	55
Protein251	14	0.27	1	13
Protein252	4	0.08	0	4
Protein253	5	0.1	0	5
Protein254	16	0.31	1	15
Protein255	7	0.13	0	7
Protein256	74	1.43	7	67
Protein257	14	0.27	0	14
Protein258	21	0.4	0	21
Protein259	5	0.1	2	3
Protein260	18	0.35	2	16
Protein261	7	0.13	0	7
Protein262	2	0.04	0	2
Protein263	5	0.1	0	5
Protein264	5	0.1	0	5
Protein265	2	0.04	0	2
Protein266	3	0.06	0	3
Protein267	1	0.02	0	1
Protein268	1	0.02	0	1
Protein269	8	0.15	0	8
Protein270	7	0.13	0	7
Protein271	12	0.23	0	12
Protein272	10	0.19	1	9
Protein273	11	0.21	0	11
Protein274	2	0.04	0	2
Protein275	7	0.13	0	7
Protein276	19	0.37	0	19
Protein277	11	0.21	0	11
Protein278	14	0.27	0	14
Protein279	6	0.12	0	6
Protein280	12	0.23	0	12
Protein281	3	0.06	0	3
Protein282	7	0.13	0	7
Protein283	8	0.15	0	8
Protein284	5	0.1	0	5
Protein285	20	0.39	1	19
Protein286	9	0.17	1	8
Protein287	6	0.12	0	6
Protein288	4	0.08	0	4
Protein289	2	0.04	0	2
Protein290	8	0.15	0	8
Protein291	8	0.15	0	8
Protein292	9	0.17	0	9
Protein293	3	0.06	0	3
Protein294	1	0.02	0	1
Protein295	1	0.02	0	1
Protein296	2	0.04	0	2
Protein297	4	0.08	0	4
Protein298	3	0.06	0	3
Protein299	2	0.04	0	2
Protein300	5	0.1	0	5

Protein301	1	0.02	0	1
Protein302	11	0.21	2	9
Protein303	1	0.02	0	1
Protein304	1	0.02	0	1
Protein305	1	0.02	1	0
Protein306	2	0.04	1	1
Protein307	5	0.1	0	5
Protein308	5	0.1	0	5
Protein309	1	0.02	0	1
Protein310	1	0.02	0	1
Protein311	81	1.56	0	81
Protein312	30	0.58	0	30
Protein313	23	0.44	0	23
Protein314	63	1.21	0	63
Protein315	121	2.33	0	121
Protein316	16	0.31	4	12
Protein317	119	2.29	0	119
Protein318	145	2.8	0	145
Protein319	168	3.24	0	168
Protein320	13	0.25	2	11
Protein321	140	2.7	0	140
Protein322	54	1.04	1	53
Protein323	19	0.37	1	18
Protein324	95	1.83	3	92
Protein325	28	0.54	0	28
Protein326	45	0.87	0	45
Protein327	146	2.82	0	146
Protein328	120	2.31	0	120
Protein329	140	2.7	0	140
Protein330	219	4.22	1	218
Protein331	239	4.61	0	239
Protein332	182	3.51	0	182
Protein333	243	4.69	1	242
Protein334	274	5.28	0	274
Protein335	287	5.53	0	287
Protein336	191	3.68	21	170
Protein337	108	2.08	4	104
Protein338	74	1.43	0	74
Protein339	159	3.07	0	159
Protein340	110	2.12	0	110
Protein341	45	0.87	0	45
Protein342	40	0.77	0	40
Protein343	35	0.67	0	35
Protein344	72	1.39	0	72
Protein345	74	1.43	0	74
Protein346	34	0.66	0	34
Protein347	77	1.48	0	77
Protein348	69	1.33	0	69
Protein349	41	0.79	0	41
Protein350	67	1.29	0	67
Protein351	10	0.19	0	10

Protein352	33	0.64	0	33
Protein353	25	0.48	0	25
Protein354	26	0.5	0	26
Protein355	41	0.79	0	41
Protein356	31	0.6	2	29
Protein357	28	0.54	0	28
Protein358	19	0.37	0	19
Protein359	32	0.62	0	32
Protein360	15	0.29	0	15
Protein361	9	0.17	0	9
Protein362	12	0.23	0	12
Protein363	7	0.13	0	7
Protein364	21	0.4	0	21
Protein365	7	0.13	0	7
Protein366	6	0.12	0	6
Protein367	41	0.08	26	15
Protein368	9	0.02	2	7
Protein369	47	0.1	22	25
Protein370	21	0.04	7	14
Protein371	22	0.04	10	12
Protein372	20	0.04	12	8
Protein373	42	0.09	27	15
Protein374	26	0.05	13	13
Protein375	25	0.05	19	6
Protein376	5	0.01	2	3
Protein377	2	0	1	23
AVERAGE	78	1	1	77
MEDIAN	22	0.04	12	12

Protein Target	Total compounds bound (from Diversity Library)	Percent Library bound (%)	Selective compounds	Nonselective compounds
Protein367	41	0.08	26	15
Protein368	9	0.02	2	7
Protein369	47	0.1	22	25
Protein370	21	0.04	7	14
Protein371	22	0.04	10	12
Protein372	20	0.04	12	8
Protein373	42	0.09	27	15
Protein374	26	0.05	13	13
Protein375	25	0.05	19	6
Protein376	5	0.01	2	3
Protein377	2	0	1	1
AVERAGE	24	0.05	13	11
MEDIAN	22	0.04	12	12