

Supplementary Table 5.

List of the top 50 motifs (4-mers) found to be significantly overrepresented in the immunoprecipitated miRNAs in comparison to the remaining miRNAs, as reported by MoSDi, sorted by score (decreasing).

	motif	score (negative base-10 logarithm of p-value)	number of sequences with the motif column	p value
1	ADRA	16.717	133	1.92E-17
2	ANRA	15.3112	139	4.88E-16
3	ABRA	14.0125	124	9.72E-15
4	WVAA	13.9105	113	1.23E-14
5	AKRA	13.719	112	1.91E-14
6	WRAA	13.6199	94	2.40E-14
7	AWRA	13.52	83	3.02E-14
8	ADVA	13.2212	154	6.01E-14
9	AHRA	13.0621	95	8.67E-14
10	MBRA	12.9809	166	1.04E-13
11	AWVA	12.936	104	1.16E-13
12	MBGA	12.8053	129	1.57E-13
13	ANVA	12.4478	165	3.57E-13
14	MNRA	11.9903	184	1.02E-12
15	HRAA	11.8907	104	1.29E-12
16	HVAA	11.8671	122	1.36E-12
17	ADRM	11.7492	174	1.78E-12
18	WNAA	11.5685	117	2.70E-12
19	WDAA	11.4052	100	3.93E-12
20	ANDA	11.3384	154	4.59E-12
21	ARRA	11.2592	107	5.51E-12
22	HRAR	11.1588	166	6.94E-12
23	ABDA	11.1446	141	7.17E-12
24	AWGA	11.1345	59	7.34E-12
25	ARAA	11.1249	65	7.50E-12
26	MDRA	11.1079	173	7.80E-12
27	AHVA	11.0628	120	8.65E-12
28	ADDA	11.0355	142	9.22E-12
29	AWVR	10.9682	150	1.08E-11
30	ADGA	10.9342	94	1.16E-11
31	RRAH	10.8211	168	1.51E-11
32	AHGA	10.7953	62	1.60E-11

33	ANGM	10.7581	142	1.75E-11
34	AAVR	10.748	99	1.79E-11
35	ABVA	10.7286	149	1.87E-11
36	ATGA	10.7159	38	1.92E-11
37	AVAA	10.705	76	1.97E-11
38	ANGA	10.6814	96	2.08E-11
39	RVAY	10.6682	181	2.15E-11
40	ADAA	10.6132	71	2.44E-11
41	AYRA	10.5987	66	2.52E-11
42	MNGA	10.5161	151	3.05E-11
43	WDRA	10.4974	172	3.18E-11
44	AVRA	10.4304	115	3.71E-11
45	MYGA	10.3841	86	4.13E-11
46	ARVA	10.3684	129	4.28E-11
47	AHGM	10.3351	94	4.62E-11
48	AYGA	10.3033	42	4.97E-11
49	MKGA	10.255	117	5.56E-11
50	ADVM	10.2517	199	5.60E-11