

Supplementary Table 6.

List of the top 50 motifs (5-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 | ADRAB | 19.3887 | 122 | 4.09E-20 |
| 2 | ADRAN | 16.8124 | 129 | 1.54E-17 |
| 3 | AKRAB | 16.8053 | 99 | 1.57E-17 |
| 4 | ANRAB | 15.8759 | 124 | 1.33E-16 |
| 5 | NADRA | 15.852 | 127 | 1.41E-16 |
| 6 | DADRA | 15.7829 | 104 | 1.65E-16 |
| 7 | ADRAK | 15.657 | 95 | 2.20E-16 |
| 8 | AHRAD | 15.5798 | 87 | 2.63E-16 |
| 9 | ADRAY | 15.5017 | 83 | 3.15E-16 |
| 10 | ARRAB | 15.1926 | 101 | 6.42E-16 |
| 11 | DAKRA | 15.0755 | 91 | 8.40E-16 |
| 12 | AKRAY | 15.0183 | 67 | 9.59E-16 |
| 13 | ADVAK | 14.8974 | 117 | 1.27E-15 |
| 14 | RWWGV | 14.8926 | 141 | 1.28E-15 |
| 15 | DABRA | 14.7325 | 101 | 1.85E-15 |
| 16 | RABRA | 14.7159 | 84 | 1.92E-15 |
| 17 | AWVAD | 14.6676 | 91 | 2.15E-15 |
| 18 | RHRAA | 14.6476 | 72 | 2.25E-15 |
| 19 | DANRA | 14.6115 | 111 | 2.45E-15 |
| 20 | RANRA | 14.6022 | 93 | 2.50E-15 |
| 21 | ANRAD | 14.5775 | 118 | 2.65E-15 |
| 22 | ADRAH | 14.4975 | 100 | 3.18E-15 |
| 23 | RADRA | 14.4649 | 86 | 3.43E-15 |
| 24 | GDRA | 14.4193 | 101 | 3.81E-15 |
| 25 | AWRAK | 14.3876 | 61 | 4.10E-15 |
| 26 | AWRAD | 14.3796 | 72 | 4.17E-15 |
| 27 | WRAAB | 14.3347 | 86 | 4.63E-15 |
| 28 | RWHGV | 14.3084 | 151 | 4.92E-15 |
| 29 | AWVAK | 14.2797 | 78 | 5.25E-15 |
| 30 | WVAAN | 14.2215 | 111 | 6.01E-15 |
| 31 | AHRVR | 14.2158 | 136 | 6.08E-15 |
| 32 | RWRAA | 14.2157 | 61 | 6.09E-15 |
| 33 | AHRAR | 14.1776 | 70 | 6.64E-15 |

| | | | | |
|----|-------|---------|-----|----------|
| 34 | VWRA | 14.175 | 144 | 6.68E-15 |
| 35 | DADRM | 14.1423 | 146 | 7.21E-15 |
| 36 | RAHRR | 14.1014 | 115 | 7.92E-15 |
| 37 | ANRAK | 14.1004 | 100 | 7.94E-15 |
| 38 | RWVAA | 14.0829 | 72 | 8.26E-15 |
| 39 | RHRRA | 14.0748 | 131 | 8.42E-15 |
| 40 | ADRMK | 14.0539 | 127 | 8.83E-15 |
| 41 | ADGMK | 14.0458 | 96 | 9.00E-15 |
| 42 | RAKRA | 14.0079 | 75 | 9.82E-15 |
| 43 | ABRAB | 13.9731 | 104 | 1.06E-14 |
| 44 | KADRA | 13.948 | 88 | 1.13E-14 |
| 45 | AHRRR | 13.9477 | 117 | 1.13E-14 |
| 46 | WVAAB | 13.9362 | 100 | 1.16E-14 |
| 47 | ABRAN | 13.886 | 121 | 1.30E-14 |
| 48 | AKRAN | 13.8753 | 109 | 1.33E-14 |
| 49 | VHRAA | 13.8705 | 92 | 1.35E-14 |
| 50 | WRRAB | 13.8583 | 147 | 1.39E-14 |