Table S1 The 271 common genes between T2DM and osteoporosis gained from public databases.

| No. | Gene   | No. | Gene   | No. | Gene   | No. | Gene   |
|-----|--------|-----|--------|-----|--------|-----|--------|
| 1   | TGFB1  | 69  | TTR    | 137 | RETN   | 205 | HOXC8  |
| 2   | COL1A1 | 70  | ALDH2  | 138 | TWIST1 | 206 | GPATCH1|
| 3   | CYP24A1| 71  | INHA   | 139 | PON2   | 207 | PROKR2 |
| 4   | EN01   | 72  | NAMPT  | 140 | SMPD3  | 208 | TNFRSF13B|
| 5   | GAPDH  | 73  | EPO    | 141 | MSX2   | 209 | STARD3NL|
| 6   | PLEK   | 74  | KRT14  | 142 | SERPINF1 | 210 | TERF2  |
| 7   | VCL    | 75  | SLC10A2| 143 | FGF4   | 211 | IAPP   |
| 8   | MMP2   | 76  | RORA   | 144 | KRAS   | 212 | GTPBP1 |
| 9   | HMOX1  | 77  | HNF1A  | 145 | IBSP   | 213 | PLVAP  |
| 10  | MAPK1  | 78  | INHA   | 146 | BHLHE40| 214 | COMP   |
| 11  | NFKB1A | 79  | PNPLA3 | 148 | CX3CL1| 216 | TPH1   |
| 12  | CCND1  | 80  | SRSF1  | 149 | KITLG  | 217 | F9     |
| 13  | IL4    | 81  | TG     | 150 | SIRT2  | 218 | LYVE1  |
| 14  | CCL2   | 82  | FGF23  | 151 | GCK    | 219 | GNRHR  |
| 15  | IFNG   | 83  | FCGR1  | 152 | MYO1D  | 220 | MAPK12 |
| 16  | MPO    | 84  | LMNB1  | 153 | SCT    | 221 | FBL    |
| 17  | GSR    | 85  | HDAC7  | 154 | ADH1A  | 222 | GHSR   |
| 18  | CRP    | 86  | EFNB2  | 155 | STS    | 223 | ATP12A |
| 19  | VWF    | 87  | C2BPA  | 156 | ENPP2  | 224 | HS6ST1 |
| 20  | ABCG2  | 88  | NOTCH2 | 157 | TSHB   | 225 | BNIPL  |
| 21  | NR3C1  | 89  | AKAP11 | 158 | SLC6A4 | 226 | MC3R   |
| 22  | CTSID  | 90  | NT5    | 159 | SCTR   | 227 | XYL1T2 |
| 23  | IL2    | 91  | CD79A  | 160 | RAMP2  | 228 | PALB2  |
| 24  | CRP    | 92  | XYL1T1 | 161 | BMP15  | 229 | AAAS   |
| 25  | SPARC  | 93  | CYP26A1| 162 | CDK4   | 230 | PRDM2  |
| 26  | RARA   | 94  | ALOX12 | 163 | MGP    | 231 | TCN2   |
| 27  | PLAT   | 95  | TBX21  | 164 | FST    | 232 | CHRD   |
| 28  | THBS1  | 96  | CHGA   | 165 | APOE   | 233 | CEACAM1|
| 29  | GCLC   | 97  | LGALS3 | 166 | HSPB1  | 234 | PPP3R1 |
| 30  | TIMP1  | 98  | SOX4   | 167 | MIF    | 235 | SLCO1B1|
| 31  | TNFSF10| 99  | LDLA5  | 168 | TNFRSF1A| 236 | KCNQ1  |
| 32  | C3     | 100 | PRTN3  | 169 | RGS2   | 237 | AFM    |
| 33  | FABP4  | 101 | NR1H2  | 170 | SOX9   | 238 | GNA11  |
| 34  | BMP4   | 102 | HDAC5  | 171 | CFTR   | 239 | CETP   |
| 35  | CCNB1  | 103 | SORT1  | 172 | INHBA  | 240 | AEBP1  |
| 36  | IGFBP5 | 104 | SLC11A1| 173 | PPP1R15A| 241 | CTSG   |
| 37  | HGF    | 105 | RAC2   | 174 | PTGIS  | 242 | DLL4   |
| 38  | SIRT1  | 106 | ABC6   | 175 | SEL    | 243 | APEX1  |
| 39  | IL5    | 107 | MYH9   | 176 | DUSP1  | 244 | LRP6   |
| 40  | MMP7   | 108 | TGM1   | 177 | TRAF2  | 245 | RDH10  |
|   |   |   |   |   |          |
|---|---|---|---|---|----------|
| 42 | PER2 | 110 | DLX5 | 178 | APOB     | 246 | TRAF5   |
| 43 | CYP2C9 | 111 | PTPN12 | 179 | TGFβ3    | 247 | MTNR1B  |
| 44 | SERPINE1 | 112 | UBE3A | 180 | MMP13    | 248 | FAAH    |
| 45 | POU5F1 | 113 | CD4  | 181 | NR0B2    | 249 | SETDB1  |
| 46 | MAPK14 | 114 | APOC3 | 182 | GRN      | 250 | KDM6B   |
| 47 | EIF2S1 | 115 | HTRA2 | 183 | TLR2     | 251 | TNNT2   |
| 48 | MDM2 | 116 | PEPD | 184 | IL1R1N   | 252 | CD82    |
| 49 | APOA1 | 117 | HBA2 | 185 | DCN      | 253 | OSM     |
| 50 | SULT2A1 | 118 | MEFV | 186 | PON1     | 254 | ERCC1   |
| 51 | ITGAV | 119 | ACVR2A | 187 | XBP1     | 255 | HOXC6   |
| 52 | IRF1 | 120 | M6PR | 188 | NGFR     | 256 | YWHAH   |
| 53 | GZMB | 121 | MSTN | 189 | KLRK1    | 257 | MMP8    |
| 54 | OXT | 122 | GDF11 | 190 | TNFRSF10A | 258 | OTC     |
| 55 | CD68 | 123 | AMH  | 191 | GDF15    | 259 | CSK     |
| 56 | GOT2 | 124 | CMA1 | 192 | EPOR     | 260 | ARF5    |
| 57 | VTN | 125 | DVL2 | 193 | CD38     | 261 | INP4A   |
| 58 | LIF | 126 | GGCX | 194 | TGFBR3   | 262 | KAT2A   |
| 59 | MYOG | 127 | TBL1X | 195 | SLC40A1  | 263 | WNK4    |
| 60 | NT5E | 128 | FLT3 | 196 | IGFBP2   | 264 | WNT3    |
| 61 | FOXA1 | 129 | SKP1 | 197 | PDGFRA   | 265 | STUB1   |
| 62 | GLI1 | 130 | NOX3 | 198 | CHI3L1   | 266 | CDC42E1 |
| 63 | JAG1 | 131 | RBX1 | 199 | IRAK2    | 267 | CEACAM5 |
| 64 | SLC10A1 | 132 | ATP7B | 200 | ACLY     | 268 | MYF6    |
| 65 | KEAP1 | 133 | IRAK3 | 201 | LRP1     | 269 | ALDH7A1 |
| 66 | CYP27B1 | 134 | WNT16 | 202 | CTSC     | 270 | PKD2    |
| 67 | CSF3 | 135 | APC  | 203 | LOX      | 271 | KDM4B   |
| 68 | NR1D1 | 136 | TTPA | 204 | SFRP1    |      |         |
| ID          | adj.P.Val | P.Value  | t       | B       | logFC |
|-------------|-----------|----------|---------|---------|-------|
| hsa-miR-550a-5p | 8.98E-05 | 5.87E-07 | 5.891   | 6.049   | -4.4858 |
| hsa-miR-500a-5p | 0.021558 | 0.00594  | 3.7176  | -0.465  | -1.8905 |
| hsa-miR-181c-3p | 0.021558 | 0.000667 | 3.678   | -0.574  | -1.4647 |
| hsa-miR-96-5p   | 0.021558 | 0.00069  | 3.6666  | -0.605  | -1.3447 |
| hsa-miR-323a-3p | 0.021558 | 0.00705  | 3.6597  | -0.624  | -1.2858 |
| hsa-miR-203a    | 0.033925 | 0.00155  | 3.3873  | -1.353  | -3.1995 |
| hsa-miR-32-3p   | 0.033925 | 0.00146  | 3.4093  | -1.296  | -1.1111 |
| hsa-miR-942     | 0.034032 | 0.00178  | 3.3392  | -1.479  | -2.1621 |
| hsa-miR-7-5p    | 0.039513 | 0.00258  | 3.2065  | -1.82   | -1.3958 |
| hsa-miR-16-2-3p | 0.039513 | 0.00241  | 3.231   | -1.758  | -1.0295 |
| hsa-let-7g-5p   | 0.067925 | 0.00533  | 2.9437  | -2.471  | -0.9058 |
| hsa-let-7i-5p   | 0.067925 | 0.00528  | 2.9437  | -2.471  | -0.9058 |
| hsa-miR-19b-1-5p| 0.073966 | 0.0079   | 2.7908  | -2.833  | -2.1637 |
| hsa-miR-143-5p  | 0.073966 | 0.0071   | 2.8317  | -2.738  | -1.3016 |
| hsa-miR-181c-5p | 0.073966 | 0.00822  | 2.7756  | -2.869  | -1.2674 |
| hsa-miR-141-3p  | 0.073966 | 0.00658  | 2.8608  | -2.669  | -1.2668 |
| hsa-miR-486-5p  | 0.073966 | 0.00786  | 2.7925  | -2.829  | -1.0432 |
| hsa-miR-382-3p  | 0.074305 | 0.012    | -2.6276 | -3.205  | 2.8032 |
| hsa-miR-301a-3p | 0.074305 | 0.0108   | 2.6676  | -3.116  | -1.1495 |
| hsa-miR-21-3p   | 0.074305 | 0.00962  | 2.7142  | -3.01   | -1.0889 |
| hsa-miR-106b-5p | 0.074305 | 0.0121   | 2.6225  | -3.217  | -1.0068 |
| hsa-miR-191-5p  | 0.074305 | 0.0109   | 2.6647  | -3.122  | -0.9858 |
| hsa-let-7b-5p   | 0.074305 | 0.0111   | 2.6579  | -3.138  | -0.9721 |
| hsa-miR-532-3p  | 0.074305 | 0.0107   | 2.6708  | -3.109  | -0.8695 |
| hsa-miR-92a-3p  | 0.074305 | 0.0114   | 2.6475  | -3.161  | -0.8147 |
| hsa-miR-941     | 0.077697 | 0.0132   | 2.5889  | -3.291  | -1.5911 |
| hsa-miR-486-3p  | 0.078274 | 0.0153   | 2.5282  | -3.424  | -1.1642 |
| hsa-miR-106a-5p | 0.078274 | 0.0138   | 2.5697  | -3.334  | -0.9563 |
| hsa-miR-629-5p  | 0.078274 | 0.0147   | 2.5463  | -3.385  | -0.9547 |
| hsa-miR-181a-5p | 0.078274 | 0.015    | 2.5376  | -3.404  | -0.7358 |
| hsa-miR-375     | 0.080261 | 0.0163   | 2.5046  | -3.475  | -1.3042 |
| hsa-miR-378a-5p | 0.082401 | 0.0172   | 2.4808  | -3.526  | -1.0753 |
| hsa-miR-550a-3p | 0.08293  | 0.0193   | 2.4332  | -3.628  | -0.9842 |
| hsa-miR-20a-5p  | 0.08293  | 0.0185   | 2.4519  | -3.588  | -0.9226 |
| hsa-miR-146b-5p | 0.08293  | 0.019    | 2.4409  | -3.612  | -0.8953 |
| hsa-miR-16-5p   | 0.08293  | 0.0195   | 2.4295  | -3.635  | -0.8868 |
| hsa-miR-651     | 0.083467 | 0.0202   | 2.4155  | -3.665  | -1.0242 |
| hsa-miR-545-3p  | 0.084241 | 0.0257   | 2.3133  | -3.876  | -1.3832 |
| hsa-miR-199b-5p | 0.084241 | 0.0295   | 2.2537  | -3.996  | -1.3474 |
| hsa-miR-301b    | 0.084241 | 0.0209   | 2.4005  | -3.696  | -1.2474 |
| hsa-miR-324-5p  | 0.084241 | 0.0318   | 2.221   | -4.061  | -1.1489 |
| miRNA      | miRNA_NAME | miRNA_NAME          | miRNA_NAME          | miRNA_NAME          |
|------------|------------|---------------------|---------------------|---------------------|
| hsa-miR-454-3p | 0.084241   | 0.0257              | 2.313               | -3.877              | -0.9895   |
| hsa-miR-627  | 0.084241   | 0.0319              | 2.2198              | -4.063              | -0.9679   |
| hsa-miR-144-3p | 0.084241   | 0.0229              | 2.362               | -3.776              | -0.9368   |
| hsa-miR-93-5p | 0.084241   | 0.0226              | 2.3674              | -3.765              | -0.9342   |
| hsa-miR-18b-5p | 0.084241   | 0.0301              | 2.245               | -4.013              | -0.92     |
| hsa-miR-451a | 0.084241   | 0.026               | 2.3094              | -3.884              | -0.9058   |
| hsa-miR-18a-5p | 0.084241   | 0.0303              | 2.2421              | -4.019              | -0.8842   |
| hsa-miR-98-5p | 0.084241   | 0.0219              | 2.3808              | -3.737              | -0.8532   |
| hsa-miR-374a-5p | 0.084241 | 0.0263              | 2.3045              | -3.894              | -0.8379   |
| hsa-miR-363-3p | 0.084241   | 0.0247              | 2.3301              | -3.842              | -0.8268   |
| hsa-miR-25-3p | 0.084241   | 0.0271              | 2.2903              | -3.923              | -0.8195   |
| hsa-miR-140-3p | 0.084241   | 0.0309              | 2.2345              | -4.034              | -0.7826   |
| hsa-miR-19b-3p | 0.084241   | 0.0308              | 2.2351              | -4.033              | -0.7642   |
| hsa-miR-15b-3p | 0.084241   | 0.0279              | 2.2787              | -3.946              | -0.7363   |
| hsa-miR-30e-5p | 0.084241   | 0.0281              | 2.2754              | -3.953              | -0.7205   |
| hsa-miR-15a-5p | 0.084241   | 0.0267              | 2.2966              | -3.91               | -0.6921   |
| hsa-miR-660-5p | 0.084241   | 0.0294              | 2.2552              | -3.993              | -0.6516   |
| hsa-miR-17-5p  | 0.085766   | 0.0331              | 2.2045              | -4.093              | -0.9795   |
| hsa-miR-185-5p | 0.085982   | 0.0337              | 2.196               | -4.11               | -0.8053   |
| hsa-miR-132-3p | 0.088758   | 0.036               | 2.1675              | -4.165              | -0.84     |
| hsa-miR-144-5p | 0.088758   | 0.0358              | 2.1695              | -4.161              | -0.6632   |
| hsa-miR-26b-5p | 0.095601   | 0.04                | 2.1202              | -4.256              | -0.7895   |
| hsa-miR-29b-3p | 0.095601   | 0.04                | 2.1203              | -4.256              | -0.7389   |
| hsa-miR-19a-3p | 0.096798   | 0.0411              | 2.1077              | -4.28               | -0.7084   |
| hsa-miR-93-3p  | 0.097191   | 0.0419              | 2.0989              | -4.296              | -0.8632   |
| hsa-miR-20b-5p | 0.098009   | 0.0436              | 2.0817              | -4.328              | -1.0484   |
| hsa-miR-101-3p | 0.098009   | 0.043               | 2.0876              | -4.317              | -0.6879   |
| hsa-miR-324-3p | 0.1100267  | 0.0459              | 2.0581              | -4.372              | -0.6984   |
| hsa-miR-425-5p | 0.100267   | 0.0458              | 2.0589              | -4.371              | -0.6853   |
| hsa-miR-186-5p | 0.100363   | 0.0466              | 2.0512              | -4.385              | -0.6863   |
| hsa-miR-369-3p | 0.100743   | 0.0474              | -2.0431             | -4.4                | 1.2205    |
| hsa-miR-21-5p  | 0.10304    | 0.0492              | 2.0264              | -4.431              | -0.5805   |
| hsa-miR-320b   | 0.104482   | 0.0505              | 2.0137              | -4.454              | -0.5989   |
| hsa-miR-423-5p | 0.105143   | 0.0515              | 2.0046              | -4.47               | -0.5758   |
| hsa-miR-342-3p | 0.106768   | 0.053               | 1.9913              | -4.494              | -0.59     |
| hsa-miR-210    | 0.111376   | 0.0561              | 1.9655              | -4.541              | -0.7784   |
| hsa-miR-425-3p | 0.11274    | 0.0582              | 1.9477              | -4.572              | -0.6916   |
| hsa-miR-145-5p | 0.11274    | 0.0576              | 1.9525              | -4.564              | -0.5637   |
| hsa-miR-196b-5p | 0.118286   | 0.0641              | 1.9021              | -4.652              | -1.0484   |
| hsa-miR-590-3p | 0.118286   | 0.0661              | 1.8876              | -4.677              | -0.9174   |
| hsa-miR-143-3p | 0.118286   | 0.0665              | 1.8845              | -4.683              | -0.8658   |
| hsa-miR-181b-5p | 0.118286   | 0.0664              | 1.8852              | -4.682              | -0.8326   |
| hsa-miR-18a-3p | 0.118286   | 0.0662              | 1.8868              | -4.679              | -0.7721   |
| hsa-miR-194-5p | 0.118286   | 0.0646              | 1.898               | -4.66               | -0.6868   |
| miRNA       | 0.118286 | 0.0665 | 1.8845  | -4.683 | -0.6095 |
|------------|----------|--------|---------|--------|---------|
| hsa-miR-29a-3p | 0.124522 | 0.0708 | 1.8542  | -4.735 | -0.9305 |
| hsa-miR-200b-3p | 0.125788 | 0.0723 | 1.8437  | -4.752 | -0.6284 |
| hsa-miR-24-3p  | 0.129052 | 0.0751 | -1.8257 | -4.783 | 1.3379  |
| hsa-miR-1908* | 0.133714 | 0.0801 | -1.7941 | -4.835 | 0.9842  |
| hsa-miR-484    | 0.133714 | 0.0799 | 1.795   | -4.834 | -0.5868 |
| hsa-miR-874*   | 0.133714 | 0.0804 | 1.792   | -4.839 | -0.5695 |
| hsa-miR-532-5p | 0.137342 | 0.0835 | 1.7734  | -4.87  | -0.7395 |
| hsa-miR-100-5p | 0.141464 | 0.0883 | 1.7456  | -4.915 | -0.69   |
| hsa-miR-145-3p | 0.141464 | 0.0888 | 1.7427  | -4.919 | -0.6421 |
| hsa-miR-32-5p  | 0.141464 | 0.0879 | 1.7475  | -4.912 | -0.6132 |
| hsa-miR-22-3p  | 0.144019 | 0.0917 | 1.7262  | -4.946 | -0.5047 |
| hsa-miR-128*   | 0.144019 | 0.0922 | 1.7233  | -4.95  | -0.4842 |
| hsa-miR-598*   | 0.14928  | 0.0985 | 1.6898  | -5.004 | -0.8689 |
| hsa-miR-361-3p | 0.14928  | 0.0975 | 1.695   | -4.995 | -0.6332 |
| hsa-let-7d-3p  | 0.14928  | 0.0984 | 1.6906  | -5.002 | -0.4505 |
| hsa-miR-652-3p | 0.15456  | 0.103  | 1.6669  | -5.039 | -0.5574 |
| hsa-miR-215*   | 0.157733 | 0.106  | 1.6514  | -5.063 | -0.6563 |
| hsa-miR-192-5p | 0.160707 | 0.109  | 1.6367  | -5.086 | -0.6258 |
| hsa-miR-22-5p  | 0.162715 | 0.112  | 1.6252  | -5.103 | -0.4789 |
| hsa-miR-320c    | 0.163374 | 0.113  | 1.6181  | -5.114 | -0.5021 |
| hsa-miR-222-3p | 0.166043 | 0.116  | 1.6047  | -5.134 | -0.4989 |
| hsa-miR-320a   | 0.170088 | 0.12   | 1.5871  | -5.161 | -0.47   |
| hsa-miR-223-5p | 0.170597 | 0.122  | 1.5806  | -5.17  | -0.5684 |
| hsa-miR-330-3p | 0.174981 | 0.127  | 1.5574  | -5.204 | -1.0526 |
| hsa-let-7i-3p  | 0.174981 | 0.127  | 1.5585  | -5.203 | -0.6368 |
| hsa-miR-154-5p | 0.176087 | 0.129  | -1.5492 | -5.216 | 1.5253  |
| hsa-let-7a-3p  | 0.181637 | 0.134  | 1.5277  | -5.247 | -0.5126 |
| hsa-let-7e-5p  | 0.184085 | 0.138  | -1.5109 | -5.271 | 0.5642  |
| hsa-miR-214-3p | 0.184085 | 0.137  | 1.5155  | -5.265 | -0.5126 |
| hsa-miR-331-3p | 0.185824 | 0.141  | 1.5011  | -5.285 | -0.6026 |
| hsa-miR-493-5p | 0.188221 | 0.144  | -1.4893 | -5.302 | 1.6326  |
| hsa-miR-130a-3p | 0.19361  | 0.149  | 1.4691  | -5.33  | -0.4442 |
| hsa-miR-205-5p | 0.249263 | 0.194  | 1.3205  | -5.527 | -0.5305 |
| hsa-miR-320d   | 0.271368 | 0.213  | 1.2652  | -5.595 | -0.4132 |
| hsa-miR-190a   | 0.310413 | 0.245  | 1.178   | -5.697 | -0.6679 |
| hsa-miR-624-5p | 0.336064 | 0.268  | 1.1228  | -5.759 | -0.6205 |
| hsa-miR-382-5p | 0.338369 | 0.272  | -1.1132 | -5.769 | 0.4747  |
| hsa-miR-30e-3p | 0.361457 | 0.293  | 1.0652  | -5.82  | -0.4068 |
| hsa-miR-582-3p | 0.362709 | 0.296  | 1.0576  | -5.827 | -0.6805 |
| hsa-miR-181d   | 0.368808 | 0.304  | 1.0405  | -5.845 | -0.9132 |
| hsa-miR-27a-3p | 0.368808 | 0.306  | 1.0361  | -5.849 | -0.3632 |
| hsa-miR-502-5p | 0.373394 | 0.312  | 1.0226  | -5.863 | -0.5868 |
| hsa-miR-376a-3p| 0.38337  | 0.33   | -0.9851 | -5.899 | 0.5905  |
| miRNA       | log2FoldChange | P.Value | q.Value | Log2FoldChange | P.Value |
|------------|---------------|---------|---------|---------------|---------|
| hsa-miR-136-5p | 0.38337       | 0.329   | -0.9872 | -5.897        | 0.48    |
| hsa-miR-136-3p | 0.38337       | 0.331   | 0.9841  | -5.9          | -0.4721 |
| hsa-miR-339-5p | 0.38337       | 0.324   | -0.9981 | -5.887        | 0.4184  |
| hsa-let-7b-3p  | 0.414994      | 0.361   | 0.9241  | -5.956        | -0.2789 |
| hsa-miR-34a-5p | 0.426929      | 0.374   | 0.8988  | -5.978        | -0.4958 |
| hsa-miR-127-3p | 0.455137      | 0.402   | -0.8474 | -6.022        | 0.9537  |
| hsa-miR-487b   | 0.456391      | 0.406   | -0.84   | -6.028        | 0.45    |
| hsa-miR-133b   | 0.460719      | 0.416   | -0.8224 | -6.043        | 0.3437  |
| hsa-miR-410    | 0.466849      | 0.424   | -0.8072 | -6.055        | 0.3395  |
| hsa-miR-95     | 0.515184      | 0.471   | 0.7268  | -6.115        | -0.2516 |
| hsa-miR-181a-3p | 0.587651     | 0.542   | -0.6155 | -6.189        | 0.4095  |
| hsa-miR-576-3p | 0.647252      | 0.601   | 0.5274  | -6.238        | -0.2163 |
| hsa-miR-1227-3p | 0.678822       | 0.634   | 0.479   | -6.262        | -0.34   |
| hsa-miR-193b-3p | 0.681714      | 0.642   | -0.4689 | -6.267        | 0.2537  |
| hsa-miR-642a-5p | 0.704358      | 0.668   | 0.4326  | -6.283        | -0.2711 |
| hsa-miR-589-5p | 0.765149      | 0.73    | 0.3473  | -6.316        | -0.2968 |
| hsa-miR-548a-3p | 0.798084      | 0.767   | -0.2985 | -6.332        | 0.1811  |
| hsa-miR-188-3p | 0.81571       | 0.789   | 0.2693  | -6.34         | -0.1463 |
| hsa-miR-135a-5p | 0.834661      | 0.813   | 0.2383  | -6.348        | -0.1058 |
| hsa-miR-342-5p | 0.848176      | 0.832   | -0.2141 | -6.353        | 0.0937  |
| hsa-miR-495-3p | 0.854626      | 0.843   | -0.1987 | -6.357        | 0.1189  |
| hsa-miR-542-5p | 0.932054      | 0.926   | 0.0935  | -6.372        | -0.1037 |
| hsa-miR-377-3p | 0.983947      | 0.984   | 0.0202  | -6.376        | -0.0116 |
**Table S3** Target genes of DEMs predicted by miRNet.

| ID         | Target     | ID         | Target     | ID         | Target     |
|------------|------------|------------|------------|------------|------------|
| hsa-mir-96-5p | ACTN4      | hsa-mir-7-5p | UBE2D4     | hsa-mir-323a-3p | WDR45B     |
| hsa-mir-96-5p | ACY1       | hsa-mir-7-5p | SLC25A39   | hsa-mir-323a-3p | CAMK1D     |
| hsa-mir-96-5p | ADCY6      | hsa-mir-7-5p | LUC7L2     | hsa-mir-323a-3p | NLGN4X     |
| hsa-mir-96-5p | ADSS       | hsa-mir-7-5p | ASB2       | hsa-mir-323a-3p | RAP2C      |
| hsa-mir-96-5p | ABCD1      | hsa-mir-7-5p | C11orf24   | hsa-mir-323a-3p | ENPP5      |
| hsa-mir-96-5p | ALK        | hsa-mir-7-5p | POLE3      | hsa-mir-323a-3p | PHC3       |
| hsa-mir-96-5p | XIAP       | hsa-mir-7-5p | DNAJC10    | hsa-mir-323a-3p | KCTD10     |
| hsa-mir-96-5p | CCND1      | hsa-mir-7-5p | ARMCX6     | hsa-mir-323a-3p | ZNF566     |
| hsa-mir-96-5p | BCL2       | hsa-mir-7-5p | TRMT13     | hsa-mir-323a-3p | LIN52      |
| hsa-mir-96-5p | BDNF       | hsa-mir-7-5p | MIER2      | hsa-mir-323a-3p | PDZD8      |
| hsa-mir-96-5p | ZFP36L1    | hsa-mir-7-5p | NDFIP2     | hsa-mir-323a-3p | IFFO2      |
| hsa-mir-96-5p | CASP2      | hsa-mir-7-5p | ARL15      | hsa-mir-323a-3p | ACVR1C     |
| hsa-mir-96-5p | SERPINH1   | hsa-mir-7-5p | MINDY2     | hsa-mir-323a-3p | TRUB1      |
| hsa-mir-96-5p | CCND2      | hsa-mir-7-5p | TMEM106B   | hsa-mir-323a-3p | SESN3      |
| hsa-mir-96-5p | CCNG1      | hsa-mir-7-5p | CRLS1      | hsa-mir-323a-3p | KIAA2026   |
| hsa-mir-96-5p | SCARB1     | hsa-mir-7-5p | TET2       | hsa-mir-323a-3p | SDE2       |
| hsa-mir-96-5p | CDKN1A     | hsa-mir-7-5p | UBE2R2     | hsa-mir-323a-3p | AGO3       |
| hsa-mir-96-5p | CHML       | hsa-mir-7-5p | DUSP23     | hsa-mir-323a-3p | METTL15    |
| hsa-mir-96-5p | CPE        | hsa-mir-7-5p | SLC35A5    | hsa-mir-323a-3p | CNEP1R1    |
| hsa-mir-96-5p | CSNK1D     | hsa-mir-7-5p | RBM23      | hsa-mir-323a-3p | PGM2L1     |
| hsa-mir-96-5p | CTSB       | hsa-mir-7-5p | TMEM38B    | hsa-mir-323a-3p | AZF1       |
| hsa-mir-96-5p | DDT3       | hsa-mir-7-5p | VPS13D     | hsa-mir-323a-3p | BAAAT      |
| hsa-mir-96-5p | DYNC1H1    | hsa-mir-7-5p | GOLPH3L    | hsa-mir-323a-3p | CAPZA2     |
| hsa-mir-96-5p | ECT2       | hsa-mir-7-5p | PHF10      | hsa-mir-323a-3p | CREBL2     |
| hsa-mir-96-5p | EEF1A1     | hsa-mir-7-5p | C5orf22    | hsa-mir-323a-3p | E2F3       |
| hsa-mir-96-5p | EFNB2      | hsa-mir-7-5p | LRRC59     | hsa-mir-323a-3p | FANCF      |
| hsa-mir-96-5p | EIF4EBP2   | hsa-mir-7-5p | YOD1       | hsa-mir-323a-3p | FBLN2      |
| hsa-mir-96-5p | EIF4G1     | hsa-mir-7-5p | KIF16B     | hsa-mir-323a-3p | FOXC1      |
| hsa-mir-96-5p | FOXO1      | hsa-mir-7-5p | PACS1      | hsa-mir-323a-3p | HMGN1      |
| hsa-mir-96-5p | FOXO3      | hsa-mir-7-5p | NDC1       | hsa-mir-323a-3p | HOXA10     |
| hsa-mir-96-5p | FLII       | hsa-mir-7-5p | DNAJC11    | hsa-mir-323a-3p | HOXD11     |
| hsa-mir-96-5p | GABRB1     | hsa-mir-7-5p | AGK        | hsa-mir-323a-3p | HSPA8      |
| hsa-mir-96-5p | GAPDH      | hsa-mir-7-5p | RNF114     | hsa-mir-323a-3p | RBPJ       |
| hsa-mir-96-5p | GDNF       | hsa-mir-7-5p | NXT2       | hsa-mir-323a-3p | IL7R       |
| hsa-mir-96-5p | GSK3B      | hsa-mir-7-5p | RCC2       | hsa-mir-323a-3p | KIF5B      |
| hsa-mir-96-5p | GTF2A1     | hsa-mir-7-5p | C20orf24   | hsa-mir-323a-3p | LYN        |
| hsa-mir-96-5p | HMGCS1     | hsa-mir-7-5p | PDGFC      | hsa-mir-323a-3p | TM4SF1     |
| hsa-mir-96-5p | HNRNPA1    | hsa-mir-7-5p | SERTAD4    | hsa-mir-323a-3p | NHS        |
| hsa-mir-96-5p | HOXA5      | hsa-mir-7-5p | MEPCE      | hsa-mir-323a-3p | PHKA1      |
| hsa-mir-96-5p | HOXA9      | hsa-mir-7-5p | BCCIP      | hsa-mir-323a-3p | TWF1       |
| hsa-mir-96-5p | HTR1B      | hsa-mir-7-5p | EIF5A2     | hsa-mir-323a-3p | RANGAP1    |
| hsa-mir-96-5p | IARS       | hsa-mir-7-5p | POLE4      | hsa-mir-323a-3p | RORA       |
| hsa-mir-96-5p | IGF1R       | hsa-mir-7-5p | KCNK13   | hsa-mir-32-3p | SMTN |
|---------------|-------------|--------------|----------|---------------|------|
| hsa-mir-96-5p | ITPR3       | hsa-mir-7-5p | JPH1     | hsa-mir-32-3p | SUMO2 |
| hsa-mir-96-5p | KRAS        | hsa-mir-7-5p | UBQLN4   | hsa-mir-32-3p | SPAST |
| hsa-mir-96-5p | LOX         | hsa-mir-7-5p | PMEPA1   | hsa-mir-32-3p | TCF7L2 |
| hsa-mir-96-5p | MAP3K3      | hsa-mir-7-5p | PRDM8    | hsa-mir-32-3p | TMF1 |
| hsa-mir-96-5p | MGST1       | hsa-mir-7-5p | PARP11   | hsa-mir-32-3p | TRPC5 |
| hsa-mir-96-5p | MITF        | hsa-mir-7-5p | NIPAL3   | hsa-mir-32-3p | VLDLR |
| hsa-mir-96-5p | PPP1R12A    | hsa-mir-7-5p | MIF4GD   | hsa-mir-32-3p | YWHAE |
| hsa-mir-96-5p | NFIC        | hsa-mir-7-5p | REXO1    | hsa-mir-32-3p | YWHAH |
| hsa-mir-96-5p | NOTCH2      | hsa-mir-7-5p | KIAA1143 | hsa-mir-32-3p | MAP3K12 |
| hsa-mir-96-5p | NPTX1       | hsa-mir-7-5p | GATAD2B  | hsa-mir-32-3p | PTP4A1 |
| hsa-mir-96-5p | PKFB3       | hsa-mir-7-5p | PLEKHH1  | hsa-mir-32-3p | FZD6 |
| hsa-mir-96-5p | PKN1        | hsa-mir-7-5p | USP31    | hsa-mir-32-3p | SNX4 |
| hsa-mir-96-5p | PGAM1       | hsa-mir-7-5p | NCEH1    | hsa-mir-32-3p | ZRANB2 |
| hsa-mir-96-5p | PGK1        | hsa-mir-7-5p | POGK     | hsa-mir-32-3p | N4BP1 |
| hsa-mir-96-5p | PMS2        | hsa-mir-7-5p | GRAMD1A  | hsa-mir-32-3p | DAZAP2 |
| hsa-mir-96-5p | PODXL       | hsa-mir-7-5p | CTDSP1   | hsa-mir-32-3p | EFCAB14 |
| hsa-mir-96-5p | PON2        | hsa-mir-7-5p | PLEKHB1  | hsa-mir-32-3p | GPC6 |
| hsa-mir-96-5p | MED1        | hsa-mir-7-5p | CACNG7   | hsa-mir-32-3p | PPIF |
| hsa-mir-96-5p | PRKAR1A     | hsa-mir-7-5p | SAMSN1   | hsa-mir-32-3p | NAMPT |
| hsa-mir-96-5p | PRKCE       | hsa-mir-7-5p | DUS1L    | hsa-mir-32-3p | HRNPR |
| hsa-mir-96-5p | PTPN9       | hsa-mir-7-5p | RBSN     | hsa-mir-32-3p | SF3A1 |
| hsa-mir-96-5p | RAB5B       | hsa-mir-7-5p | NSD1     | hsa-mir-32-3p | SPON2 |
| hsa-mir-96-5p | RAD51       | hsa-mir-7-5p | ZNF106   | hsa-mir-32-3p | CELF1 |
| hsa-mir-96-5p | RASA1       | hsa-mir-7-5p | MMP5     | hsa-mir-32-3p | SRSF10 |
| hsa-mir-96-5p | KDM5A       | hsa-mir-7-5p | CRTC3    | hsa-mir-32-3p | PPARGC1A |
| hsa-mir-96-5p | RELA        | hsa-mir-7-5p | FNDC4    | hsa-mir-32-3p | FGFR1OP |
| hsa-mir-96-5p | RGS2        | hsa-mir-7-5p | MARCKSL1 | hsa-mir-32-3p | KIF3A |
| hsa-mir-96-5p | RLF         | hsa-mir-7-5p | UBE2Z    | hsa-mir-32-3p | PLPBP |
| hsa-mir-96-5p | RPS23       | hsa-mir-7-5p | TRIR     | hsa-mir-32-3p | MON1B |
| hsa-mir-96-5p | RPS29       | hsa-mir-7-5p | ZNF655   | hsa-mir-32-3p | WDR37 |
| hsa-mir-96-5p | ATXN1       | hsa-mir-7-5p | TSEN34   | hsa-mir-32-3p | BTBD3 |
| hsa-mir-96-5p | CCL22       | hsa-mir-7-5p | ATG9A    | hsa-mir-32-3p | ZNF292 |
| hsa-mir-96-5p | SLC1A1      | hsa-mir-7-5p | SLC25A23 | hsa-mir-32-3p | PEG10 |
| hsa-mir-96-5p | SLC6A6      | hsa-mir-7-5p | TMUB2    | hsa-mir-32-3p | PPWD1 |
| hsa-mir-96-5p | SNAI2       | hsa-mir-7-5p | EFHD2    | hsa-mir-32-3p | TMEM2 |
| hsa-mir-96-5p | SOX5        | hsa-mir-7-5p | TMEM43   | hsa-mir-32-3p | EID1 |
| hsa-mir-96-5p | SUPT4H1     | hsa-mir-7-5p | ZNF557   | hsa-mir-32-3p | PPIL2 |
| hsa-mir-96-5p | SYCP1       | hsa-mir-7-5p | FYCO1    | hsa-mir-32-3p | SETBP1 |
| hsa-mir-96-5p | ZEB1        | hsa-mir-7-5p | SLC52A2  | hsa-mir-32-3p | FAM169A |
| hsa-mir-96-5p | PPP1R11     | hsa-mir-7-5p | RNF128   | hsa-mir-32-3p | HBP1 |
| hsa-mir-96-5p | TERF2       | hsa-mir-7-5p | RHBDF2   | hsa-mir-32-3p | CHORDC1 |
| hsa-mir-96-5p | TIMP1       | hsa-mir-7-5p | HECTD3   | hsa-mir-32-3p | SIGLEC9 |
| hsa-mir-96-5p | TMPO        | hsa-mir-7-5p | ALG9     | hsa-mir-32-3p | VPS4A |
| Gene Symbol | Gene Symbol | Gene Symbol | Gene Symbol | Gene Symbol | Gene Symbol |
|-------------|-------------|-------------|-------------|-------------|-------------|
| hsa-mir-96-5p | UBE2N       | hsa-mir-7-5p | HPS6        | hsa-mir-32-3p | UBE2S       |
| hsa-mir-96-5p | YWHAG       | hsa-mir-7-5p | DOCK5       | hsa-mir-32-3p | SNX24       |
| hsa-mir-96-5p | ZNF185      | hsa-mir-7-5p | NRSN2       | hsa-mir-32-3p | GPSM2       |
| hsa-mir-96-5p | ZYX         | hsa-mir-7-5p | SEMA6D      | hsa-mir-32-3p | HDDC2       |
| hsa-mir-96-5p | EV5         | hsa-mir-7-5p | ATF7IP2     | hsa-mir-32-3p | RDH11       |
| hsa-mir-96-5p | DEK         | hsa-mir-7-5p | DCAF17      | hsa-mir-32-3p | DYNC1LI1     |
| hsa-mir-96-5p | USP5        | hsa-mir-7-5p | TMEM134     | hsa-mir-32-3p | CYB5R4      |
| hsa-mir-96-5p | RECK        | hsa-mir-7-5p | CHD9        | hsa-mir-32-3p | RSL24D1     |
| hsa-mir-96-5p | CGGBP1      | hsa-mir-7-5p | OPA3        | hsa-mir-32-3p | RNF125      |
| hsa-mir-96-5p | B4GALT3     | hsa-mir-7-5p | DNAJC5      | hsa-mir-32-3p | SBNO1       |
| hsa-mir-96-5p | TNFRSF10A   | hsa-mir-7-5p | ZNF436      | hsa-mir-32-3p | PPP6R3      |
| hsa-mir-96-5p | MBD4        | hsa-mir-7-5p | SETD7       | hsa-mir-32-3p | LAPT4M4B    |
| hsa-mir-96-5p | SYNGR2      | hsa-mir-7-5p | COLEC12     | hsa-mir-32-3p | TSR1        |
| hsa-mir-96-5p | ARHGEF2     | hsa-mir-7-5p | C1orf21     | hsa-mir-32-3p | NAXD        |
| hsa-mir-96-5p | STK17B      | hsa-mir-7-5p | TRIM8       | hsa-mir-32-3p | TMEM30A     |
| hsa-mir-96-5p | BAG4        | hsa-mir-7-5p | TSC22D4     | hsa-mir-32-3p | MKL2        |
| hsa-mir-96-5p | EDEM1       | hsa-mir-7-5p | GLT8D2      | hsa-mir-32-3p | CC2D2A      |
| hsa-mir-96-5p | MTSS1       | hsa-mir-7-5p | BCL2L12     | hsa-mir-32-3p | USP37       |
| hsa-mir-96-5p | HNRNPD1     | hsa-mir-7-5p | C19orf12    | hsa-mir-32-3p | KIAA1614    |
| hsa-mir-96-5p | PAK4        | hsa-mir-7-5p | ARMC10      | hsa-mir-32-3p | PCDHB16     |
| hsa-mir-96-5p | PRMT5       | hsa-mir-7-5p | TM2D2       | hsa-mir-32-3p | ZNF410      |
| hsa-mir-96-5p | ATG7        | hsa-mir-7-5p | STK40       | hsa-mir-32-3p | INIP        |
| hsa-mir-96-5p | NUP50       | hsa-mir-7-5p | CHCHD5      | hsa-mir-32-3p | GBP1L1      |
| hsa-mir-96-5p | FRS2        | hsa-mir-7-5p | LLPH        | hsa-mir-32-3p | CIDECL      |
| hsa-mir-96-5p | MALT1       | hsa-mir-7-5p | DDI2        | hsa-mir-32-3p | RFX7        |
| hsa-mir-96-5p | MORF4L1     | hsa-mir-7-5p | MFSD14B     | hsa-mir-32-3p | MRPL36      |
| hsa-mir-96-5p | KDELRL1     | hsa-mir-7-5p | MFSD9       | hsa-mir-32-3p | VPS33A      |
| hsa-mir-96-5p | RAB35       | hsa-mir-7-5p | LMNB2       | hsa-mir-32-3p | WNK1        |
| hsa-mir-96-5p | PLPBP       | hsa-mir-7-5p | RIOX2       | hsa-mir-32-3p | BBS10       |
| hsa-mir-96-5p | ADNP2       | hsa-mir-7-5p | ADO         | hsa-mir-32-3p | ATAD5       |
| hsa-mir-96-5p | FBXO21      | hsa-mir-7-5p | FAM136A     | hsa-mir-32-3p | PHC3        |
| hsa-mir-96-5p | CAMTA1      | hsa-mir-7-5p | CORO6       | hsa-mir-32-3p | NCALD       |
| hsa-mir-96-5p | SIN3B       | hsa-mir-7-5p | MFSD5       | hsa-mir-32-3p | MED10       |
| hsa-mir-96-5p | SYNM        | hsa-mir-7-5p | RBM17       | hsa-mir-32-3p | USMG5       |
| hsa-mir-96-5p | EXOSC2      | hsa-mir-7-5p | KRTAP4-2    | hsa-mir-32-3p | ZNF587      |
| hsa-mir-96-5p | ABCA6       | hsa-mir-7-5p | MICALL1     | hsa-mir-32-3p | PPP1R15B    |
| hsa-mir-96-5p | DDAH1       | hsa-mir-7-5p | ZIC5        | hsa-mir-32-3p | TMEM67      |
| hsa-mir-96-5p | SGK3        | hsa-mir-7-5p | CCDC65      | hsa-mir-32-3p | COL23A1     |
| hsa-mir-96-5p | TSKU        | hsa-mir-7-5p | NAV1        | hsa-mir-32-3p | MYADM       |
| hsa-mir-96-5p | MOXD1       | hsa-mir-7-5p | RSPRY1      | hsa-mir-32-3p | PAXBP1      |
| hsa-mir-96-5p | APPL1       | hsa-mir-7-5p | ZNF625      | hsa-mir-32-3p | MED12L      |
| hsa-mir-96-5p | PHF19       | hsa-mir-7-5p | TRIM47      | hsa-mir-32-3p | FAT3        |
| hsa-mir-96-5p | CNNM3       | hsa-mir-7-5p | PCED1B      | hsa-mir-32-3p | ZNF573      |
| hsa-mir-96-5p | SLC39A1     | hsa-mir-7-5p | RPS19BP1    | hsa-mir-32-3p | WTIP        |
| miRNA   | Gene          | miRNA   | Gene          | miRNA   | Gene          |
|---------|---------------|---------|---------------|---------|---------------|
| hsa-mir-96-5p | TNRC6A       | hsa-mir-7-5p | SLFN11       | hsa-mir-32-3p | UHMK1        |
| hsa-mir-96-5p | NKIRAS2      | hsa-mir-7-5p | SNX29        | hsa-mir-32-3p | C5orf24      |
| hsa-mir-96-5p | CDON         | hsa-mir-7-5p | TIMM50       | hsa-mir-32-3p | NCOA7        |
| hsa-mir-96-5p | TUBD1        | hsa-mir-7-5p | FAM114A1     | hsa-mir-32-3p | ARL6IP6      |
| hsa-mir-96-5p | POMP         | hsa-mir-7-5p | PRDM6        | hsa-mir-32-3p | BMT2         |
| hsa-mir-96-5p | SNX7         | hsa-mir-7-5p | IGSF8        | hsa-mir-32-3p | KIAA1958     |
| hsa-mir-96-5p | REV1         | hsa-mir-7-5p | ZFAND4       | hsa-mir-32-3p | ZNF567       |
| hsa-mir-96-5p | UBE2D4       | hsa-mir-7-5p | TJAP1        | hsa-mir-32-3p | CCDC71L      |
| hsa-mir-96-5p | ATP8A2       | hsa-mir-7-5p | ERI2         | hsa-mir-32-3p | TVP23C       |
| hsa-mir-96-5p | BRWD1        | hsa-mir-7-5p | NACC1        | hsa-mir-32-3p | TMEM192      |
| hsa-mir-96-5p | CWC25        | hsa-mir-7-5p | TEX261       | hsa-mir-32-3p | HNRNPA3      |
| hsa-mir-96-5p | ALKBH5       | hsa-mir-7-5p | OSBPL8       | hsa-mir-32-3p | ZDHHC20      |
| hsa-mir-96-5p | WDR33        | hsa-mir-7-5p | OSBPL11      | hsa-mir-32-3p | SGMS1        |
| hsa-mir-96-5p | ZC3H15       | hsa-mir-7-5p | MAS1L        | hsa-mir-32-3p | LINC00346    |
| hsa-mir-96-5p | ASH1L        | hsa-mir-7-5p | RFFL         | hsa-mir-16-2-3p | AR       |
| hsa-mir-96-5p | ZMIZ1        | hsa-mir-7-5p | SP7          | hsa-mir-16-2-3p | ATP6V1C1    |
| hsa-mir-96-5p | LRTM1        | hsa-mir-7-5p | ACOT4        | hsa-mir-16-2-3p | B2M       |
| hsa-mir-96-5p | CNOT6        | hsa-mir-7-5p | CANT1        | hsa-mir-16-2-3p | BID       |
| hsa-mir-96-5p | TAO5         | hsa-mir-7-5p | LSM12        | hsa-mir-16-2-3p | BMI1      |
| hsa-mir-96-5p | CRAMP1       | hsa-mir-7-5p | MRPL10       | hsa-mir-16-2-3p | CBS       |
| hsa-mir-96-5p | TRIB3        | hsa-mir-7-5p | TANGO2       | hsa-mir-16-2-3p | CCNT1     |
| hsa-mir-96-5p | PROK2        | hsa-mir-7-5p | EMID1        | hsa-mir-16-2-3p | CDC25A     |
| hsa-mir-96-5p | PRDM16       | hsa-mir-7-5p | TAF8         | hsa-mir-16-2-3p | CLCN3      |
| hsa-mir-96-5p | SNX16        | hsa-mir-7-5p | ENPP6        | hsa-mir-16-2-3p | CTGF       |
| hsa-mir-96-5p | PAPD5        | hsa-mir-7-5p | MPLKIP       | hsa-mir-16-2-3p | FRK       |
| hsa-mir-96-5p | YTHDC2       | hsa-mir-7-5p | UBXN2B       | hsa-mir-16-2-3p | HOXA9     |
| hsa-mir-96-5p | GID4         | hsa-mir-7-5p | RNF183       | hsa-mir-16-2-3p | HOXA10    |
| hsa-mir-96-5p | EFHD2        | hsa-mir-7-5p | SPTY2D1      | hsa-mir-16-2-3p | IGFBP5    |
| hsa-mir-96-5p | THAP9        | hsa-mir-7-5p | KRT80        | hsa-mir-16-2-3p | TNPO1     |
| hsa-mir-96-5p | ZFAND1       | hsa-mir-7-5p | ZNF555       | hsa-mir-16-2-3p | LPP       |
| hsa-mir-96-5p | KLHL15       | hsa-mir-7-5p | COMMD7       | hsa-mir-16-2-3p | LY75      |
| hsa-mir-96-5p | TSPAN14      | hsa-mir-7-5p | DUSP18       | hsa-mir-16-2-3p | MYC       |
| hsa-mir-96-5p | PITPNM3      | hsa-mir-7-5p | BTLA         | hsa-mir-16-2-3p | PRKAA1    |
| hsa-mir-96-5p | SH3BGR1L3    | hsa-mir-7-5p | RNF38        | hsa-mir-16-2-3p | PTPN14    |
| hsa-mir-96-5p | SESN2        | hsa-mir-7-5p | C8orf37      | hsa-mir-16-2-3p | RAB1A     |
| hsa-mir-96-5p | PPP1R9B      | hsa-mir-7-5p | SLC35G1      | hsa-mir-16-2-3p | RARB      |
| hsa-mir-96-5p | SPPL2A       | hsa-mir-7-5p | SDE2         | hsa-mir-16-2-3p | RBBP6     |
| hsa-mir-96-5p | TRIM4        | hsa-mir-7-5p | SPTSSB       | hsa-mir-16-2-3p | RPS4X     |
| hsa-mir-96-5p | OTULIN       | hsa-mir-7-5p | ADAMTS17     | hsa-mir-16-2-3p | MLX       |
| hsa-mir-96-5p | SLC25A4       | hsa-mir-7-5p | ASXL1        | hsa-mir-16-2-3p | TUBB2A    |
| hsa-mir-96-5p | TP53INP1      | hsa-mir-7-5p | FAM9C        | hsa-mir-16-2-3p | UBE2D3    |
| hsa-mir-96-5p | SMIM12       | hsa-mir-7-5p | LDHD         | hsa-mir-16-2-3p | VSNL1     |
| hsa-mir-96-5p | SLC25A25     | hsa-mir-7-5p | CASP16P      | hsa-mir-16-2-3p | YWHAG     |
| hsa-mir-96-5p | GINM1        | hsa-mir-7-5p | ALG14        | hsa-mir-16-2-3p | ZFX       |
hsa-mir-96-5p  SLAIN1  hsa-mir-7-5p  SLC39A11  hsa-mir-16-2-3p  CDK2AP1
hsa-mir-96-5p  NIPA1  hsa-mir-7-5p  HTRA4  hsa-mir-16-2-3p  NRP1
hsa-mir-96-5p  PAQR4  hsa-mir-7-5p  CYB561A3  hsa-mir-16-2-3p  DYRK2
hsa-mir-96-5p  TRIM71  hsa-mir-7-5p  CPNE2  hsa-mir-16-2-3p  AP3B1
hsa-mir-96-5p  IL31RA  hsa-mir-7-5p  UNC5CL  hsa-mir-16-2-3p  ALDH1A2
hsa-mir-96-5p  SPIN4  hsa-mir-7-5p  ANKR3D31  hsa-mir-16-2-3p  RPS6KA5
hsa-mir-96-5p  S100A16  hsa-mir-7-5p  BCL9L  hsa-mir-16-2-3p  ABCG2
hsa-mir-96-5p  SRXN1  hsa-mir-7-5p  CHAMP1  hsa-mir-16-2-3p  SH3BP5
hsa-mir-96-5p  MIPOL1  hsa-mir-7-5p  C17orf78  hsa-mir-16-2-3p  EI24
hsa-mir-96-5p  STOML3  hsa-mir-7-5p  FAM126B  hsa-mir-16-2-3p  PREPL
hsa-mir-96-5p  GPR156  hsa-mir-7-5p  C3orf38  hsa-mir-16-2-3p  LRG2
hsa-mir-96-5p  REEP3  hsa-mir-7-5p  PRRT3  hsa-mir-16-2-3p  CD302
hsa-mir-96-5p  FAM171A1  hsa-mir-7-5p  CAGE1  hsa-mir-16-2-3p  PPIF
hsa-mir-96-5p  TWISTNB  hsa-mir-7-5p  POTED  hsa-mir-16-2-3p  WASF2
hsa-mir-96-5p  JAZF1  hsa-mir-7-5p  KRTAP11-1  hsa-mir-16-2-3p  UBE2E3
hsa-mir-96-5p  RPL7L1  hsa-mir-7-5p  IFNE  hsa-mir-16-2-3p  IPO7
hsa-mir-96-5p  ACER2  hsa-mir-7-5p  CLEC4G  hsa-mir-16-2-3p  CCT4
hsa-mir-96-5p  ATXN1L  hsa-mir-7-5p  GLDN  hsa-mir-16-2-3p  MRPS30
hsa-mir-96-5p  NUP43  hsa-mir-7-5p  KIF24  hsa-mir-16-2-3p  SUB1
hsa-mir-96-5p  MIGA1  hsa-mir-7-5p  LCE1B  hsa-mir-16-2-3p  PAPD7
hsa-mir-96-5p  ANKR3D36  hsa-mir-7-5p  LCE1E  hsa-mir-16-2-3p  RNF44
hsa-mir-96-5p  NHLRC3  hsa-mir-7-5p  NCR3LG1  hsa-mir-16-2-3p  ARL6IP1
hsa-mir-96-5p  MTHFD2L  hsa-mir-7-5p  ANKR3D6  hsa-mir-16-2-3p  AGO2
hsa-mir-96-5p  CASTOR2  hsa-mir-7-5p  PAR1  hsa-mir-16-2-3p  SULT1B1
hsa-mir-96-5p  TMEM170B  hsa-mir-7-5p  PNPLA7  hsa-mir-16-2-3p  DROSHA
hsa-mir-96-5p  TRAPPC3L  hsa-mir-7-5p  KMT5A  hsa-mir-16-2-3p  SH3GLB1
hsa-mir-96-5p  ABHD14A-ACY1  hsa-mir-7-5p  TMEM81  hsa-mir-16-2-3p  ERGIC2
hsa-mir-7-5p  ACTC1  hsa-mir-7-5p  ZNF805  hsa-mir-16-2-3p  RSBN1
hsa-mir-7-5p  ACTN2  hsa-mir-7-5p  C10orf105  hsa-mir-16-2-3p  CMTM6
hsa-mir-7-5p  ACVR1B  hsa-mir-7-5p  TMEM236  hsa-mir-16-2-3p  ERBIN
hsa-mir-7-5p  ADCY9  hsa-mir-7-5p  ROX0F2B  hsa-mir-16-2-3p  TM9SF3
hsa-mir-7-5p  PARP1  hsa-mir-7-5p  SIGLEC14  hsa-mir-16-2-3p  NUCKS1
hsa-mir-7-5p  ALDH1A3  hsa-mir-7-5p  KRTAP4-7  hsa-mir-16-2-3p  CCDC14
hsa-mir-7-5p  ALDH3B2  hsa-mir-7-5p  SMIM9  hsa-mir-16-2-3p  TBC1D15
hsa-mir-7-5p  ALDH3A2  hsa-mir-203a-3p  ABL1  hsa-mir-16-2-3p  USP46
hsa-mir-7-5p  ANXA11  hsa-mir-203a-3p  ACVR2B  hsa-mir-16-2-3p  RNF219
hsa-mir-7-5p  XIAP  hsa-mir-203a-3p  AKT2  hsa-mir-16-2-3p  AGMAT
hsa-mir-7-5p  APLP2  hsa-mir-203a-3p  ALOX15  hsa-mir-16-2-3p  KLHL15
hsa-mir-7-5p  ARF4  hsa-mir-203a-3p  BIRC5  hsa-mir-16-2-3p  ANP32E
hsa-mir-7-5p  ARG1  hsa-mir-203a-3p  ASNA1  hsa-mir-16-2-3p  RHNO1
hsa-mir-7-5p  ATP1B3  hsa-mir-203a-3p  ASPA  hsa-mir-16-2-3p  TMEM117
hsa-mir-7-5p  AUP1  hsa-mir-203a-3p  ATM  hsa-mir-16-2-3p  NFATC2IP
hsa-mir-7-5p  BAX  hsa-mir-203a-3p  BCL2L2  hsa-mir-16-2-3p  ACBD5
hsa-mir-7-5p  BCAT1  hsa-mir-203a-3p  BCL7A  hsa-mir-16-2-3p  NACC1
hsa-mir-7-5p  GDNF  hsa-mir-203a-3p  KIF2A  hsa-mir-500a-5p  SLC25A20
hsa-mir-7-5p  GFI1  hsa-mir-203a-3p  KIF5B  hsa-mir-500a-5p  CCNT1
hsa-mir-7-5p  GFRA1  hsa-mir-203a-3p  LASP1  hsa-mir-500a-5p  CDC5L
hsa-mir-7-5p  GGCX  hsa-mir-203a-3p  LDHA  hsa-mir-500a-5p  CRX
hsa-mir-7-5p  GLO1  hsa-mir-203a-3p  LIFR  hsa-mir-500a-5p  CYLD
hsa-mir-7-5p  GLS  hsa-mir-203a-3p  SMAD2  hsa-mir-500a-5p  EXTL3
hsa-mir-7-5p  GNA12  hsa-mir-203a-3p  SMAD4  hsa-mir-500a-5p  FOXC1
hsa-mir-7-5p  GPR19  hsa-mir-203a-3p  SMAD9  hsa-mir-500a-5p  FSHB
hsa-mir-7-5p  GPR20  hsa-mir-203a-3p  MBNL1  hsa-mir-500a-5p  FUT2
hsa-mir-7-5p  GRB2  hsa-mir-203a-3p  MMP1  hsa-mir-500a-5p  GABRG2
hsa-mir-7-5p  GRIN2D  hsa-mir-203a-3p  MMP10  hsa-mir-500a-5p  GALK2
hsa-mir-7-5p  GRINA  hsa-mir-203a-3p  MYD88  hsa-mir-500a-5p  GAS1
hsa-mir-7-5p  PDI3  hsa-mir-203a-3p  NARS  hsa-mir-500a-5p  GNAQ
hsa-mir-7-5p  HDLBP  hsa-mir-203a-3p  NCL  hsa-mir-500a-5p  GPM6B
hsa-mir-7-5p  HELLs  hsa-mir-203a-3p  NEK3  hsa-mir-500a-5p  GRIN2B
hsa-mir-7-5p  SLC29A2  hsa-mir-203a-3p  NFYA  hsa-mir-500a-5p  GTT2F2
hsa-mir-7-5p  HNRNPU  hsa-mir-203a-3p  NPPC  hsa-mir-500a-5p  H2AFX
hsa-mir-7-5p  HOXA3  hsa-mir-203a-3p  OSBP  hsa-mir-500a-5p  HAS2
hsa-mir-7-5p  HOXB3  hsa-mir-203a-3p  REG3A  hsa-mir-500a-5p  HSD3B1
hsa-mir-7-5p  HOXB5  hsa-mir-203a-3p  PAX6  hsa-mir-500a-5p  KLRD1
hsa-mir-7-5p  HOXC12  hsa-mir-203a-3p  PDE7A  hsa-mir-500a-5p  MAOA
hsa-mir-7-5p  HPCAL1  hsa-mir-203a-3p  PIK3CA  hsa-mir-500a-5p  MBNL1
hsa-mir-7-5p  HRH2  hsa-mir-203a-3p  PLAGL2  hsa-mir-500a-5p  MCM2
hsa-mir-7-5p  IGSF3  hsa-mir-203a-3p  PLD2  hsa-mir-500a-5p  MAP3K9
hsa-mir-7-5p  IDE  hsa-mir-203a-3p  PPP1CB  hsa-mir-500a-5p  MYO5A
hsa-mir-7-5p  IDH3A  hsa-mir-203a-3p  PRKACB  hsa-mir-500a-5p  PIP4K2A
hsa-mir-7-5p  IGF1R  hsa-mir-203a-3p  PRKCA  hsa-mir-500a-5p  PKNOX1
hsa-mir-7-5p  IGFBP4  hsa-mir-203a-3p  MAPK8  hsa-mir-500a-5p  PRKAA2
hsa-mir-7-5p  IGFBP5  hsa-mir-203a-3p  MAPK9  hsa-mir-500a-5p  PTPN14
hsa-mir-7-5p  RBPJ  hsa-mir-203a-3p  PRNP  hsa-mir-500a-5p  RBBP4
hsa-mir-7-5p  IL12RB2  hsa-mir-203a-3p  RGL2  hsa-mir-500a-5p  REL
hsa-mir-7-5p  FOXK2  hsa-mir-203a-3p  RAN  hsa-mir-500a-5p  RPS4X
hsa-mir-7-5p  ILF2  hsa-mir-203a-3p  RAP1A  hsa-mir-500a-5p  RPS6KB1
hsa-mir-7-5p  ILF3  hsa-mir-203a-3p  RAP2B  hsa-mir-500a-5p  SRSF1
hsa-mir-7-5p  IRS1  hsa-mir-203a-3p  RASA2  hsa-mir-500a-5p  SRSF2
hsa-mir-7-5p  JARID2  hsa-mir-203a-3p  ABCE1  hsa-mir-500a-5p  SLC1A1
hsa-mir-7-5p  KCNH2  hsa-mir-203a-3p  SCO1  hsa-mir-500a-5p  SLC1A2
hsa-mir-7-5p  KCNJ10  hsa-mir-203a-3p  SIX1  hsa-mir-500a-5p  SLC2A3
hsa-mir-7-5p  KCNJ14  hsa-mir-203a-3p  SNAI2  hsa-mir-500a-5p  SLC8A1
hsa-mir-7-5p  KIF5B  hsa-mir-203a-3p  SNAI1  hsa-mir-500a-5p  SNRPD3
hsa-mir-7-5p  KPNB1  hsa-mir-203a-3p  SOD2  hsa-mir-500a-5p  STAT1
hsa-mir-7-5p  KRT7  hsa-mir-203a-3p  SON  hsa-mir-500a-5p  STK4
hsa-mir-7-5p  LAMC2  hsa-mir-203a-3p  SRC  hsa-mir-500a-5p  TACC1
hsa-mir-7-5p  LGALS3BP  hsa-mir-203a-3p  STAT1  hsa-mir-500a-5p  NR2C2
hsa-mir-7-5p LRP6  hsa-mir-203a-3p  SYK  hsa-mir-500a-5p  ZNF227
hsa-mir-7-5p MAP1B  hsa-mir-203a-3p  TCF4  hsa-mir-500a-5p  PRRC2A
hsa-mir-7-5p MAZ  hsa-mir-203a-3p  ZEB1  hsa-mir-500a-5p  DNAH17
hsa-mir-7-5p MEF2D  hsa-mir-203a-3p  DYNLT1  hsa-mir-500a-5p  UNC5C
hsa-mir-7-5p ATXN3  hsa-mir-203a-3p  NR2F2  hsa-mir-500a-5p  TAXIBP1
hsa-mir-7-5p ABCC1  hsa-mir-203a-3p  NKKX2-1  hsa-mir-500a-5p  CPNE1
hsa-mir-7-5p MSH3  hsa-mir-203a-3p  TNF  hsa-mir-500a-5p  MBD4
hsa-mir-7-5p MYC  hsa-mir-203a-3p  TOP2A  hsa-mir-500a-5p  GCM2
hsa-mir-7-5p MYLK  hsa-mir-203a-3p  TP53L1  hsa-mir-500a-5p  MED17
hsa-mir-7-5p NBL1  hsa-mir-203a-3p  NR2C2  hsa-mir-500a-5p  NPEPS
hsa-mir-7-5p NDUFA4  hsa-mir-203a-3p  TRPS1  hsa-mir-500a-5p  RGS6
hsa-mir-7-5p 44806  hsa-mir-203a-3p  TYMS  hsa-mir-500a-5p  CCH110
hsa-mir-7-5p NFYA  hsa-mir-203a-3p  SUMO1  hsa-mir-500a-5p  UBE4B
hsa-mir-7-5p NRAS  hsa-mir-203a-3p  UVRAG  hsa-mir-500a-5p  POLR3G
hsa-mir-7-5p ROR1  hsa-mir-203a-3p  VEGFA  hsa-mir-500a-5p  YME1L1
hsa-mir-7-5p OAS2  hsa-mir-203a-3p  ZNF24  hsa-mir-500a-5p  KIF1C
hsa-mir-7-5p PA2G4  hsa-mir-203a-3p  ZNF148  hsa-mir-500a-5p  NUP50
hsa-mir-7-5p PRDX1  hsa-mir-203a-3p  ZMYM2  hsa-mir-500a-5p  SRSF10
hsa-mir-7-5p PAK1  hsa-mir-203a-3p  ZNF200  hsa-mir-500a-5p  ZNF460
hsa-mir-7-5p PAPPA  hsa-mir-203a-3p  MAFK  hsa-mir-500a-5p  MTHFD2
hsa-mir-7-5p PAX6  hsa-mir-203a-3p  NCOA4  hsa-mir-500a-5p  AAK1
hsa-mir-7-5p PDE4D  hsa-mir-203a-3p  ANP32A  hsa-mir-500a-5p  KDM1A
hsa-mir-7-5p PFN2  hsa-mir-203a-3p  ARID1A  hsa-mir-500a-5p  TTL12
hsa-mir-7-5p SERPINB5  hsa-mir-203a-3p  PIP5K1A  hsa-mir-500a-5p  SIK3
hsa-mir-7-5p PIGH  hsa-mir-203a-3p  DYRK3  hsa-mir-500a-5p  NNT
hsa-mir-7-5p PIK3CB  hsa-mir-203a-3p  CUL3  hsa-mir-500a-5p  TTC33
hsa-mir-7-5p PIK3CD  hsa-mir-203a-3p  PPM1D  hsa-mir-500a-5p  FRRS1L
hsa-mir-7-5p PIK3CG  hsa-mir-203a-3p  CASK  hsa-mir-500a-5p  PPIL2
hsa-mir-7-5p PLAGL2  hsa-mir-203a-3p  TP63  hsa-mir-500a-5p  BAMBI
hsa-mir-7-5p PLEC  hsa-mir-203a-3p  DDX3Y  hsa-mir-500a-5p  POLR1A
hsa-mir-7-5p PMP2  hsa-mir-203a-3p  SNX4  hsa-mir-500a-5p  PLEKKG3
hsa-mir-7-5p POLR2E  hsa-mir-203a-3p  BANF1  hsa-mir-500a-5p  C16orf72
hsa-mir-7-5p PPP2R1B  hsa-mir-203a-3p  CDKL2  hsa-mir-500a-5p  SLC35B3
hsa-mir-7-5p MAPK9  hsa-mir-203a-3p  SOCS3  hsa-mir-500a-5p  RMDN1
hsa-mir-7-5p MAP2K2  hsa-mir-203a-3p  MAP3K13  hsa-mir-500a-5p  COMMD2
hsa-mir-7-5p THAP12  hsa-mir-203a-3p  SOCS6  hsa-mir-500a-5p  ERG1C2
hsa-mir-7-5p PTK2  hsa-mir-203a-3p  CIAO1  hsa-mir-500a-5p  MOV10L1
hsa-mir-7-5p PTK7  hsa-mir-203a-3p  TJ2  hsa-mir-500a-5p  PXK
hsa-mir-7-5p PURB  hsa-mir-203a-3p  RASAL2  hsa-mir-500a-5p  CDKAL1
hsa-mir-7-5p RAB3A  hsa-mir-203a-3p  ROCK2  hsa-mir-500a-5p  PLEKHB2
hsa-mir-7-5p RAF1  hsa-mir-203a-3p  CLOCK  hsa-mir-500a-5p  SYNJ2BP
hsa-mir-7-5p RAL  hsa-mir-203a-3p  VGLL4  hsa-mir-500a-5p  TMX4
hsa-mir-7-5p REL  hsa-mir-203a-3p  KIAA0408  hsa-mir-500a-5p  OTUD7B
hsa-mir-7-5p RELA  hsa-mir-203a-3p  DAZAP2  hsa-mir-500a-5p  CYSLTR2
| hasa-mir-7-5p  | RPL15     | hasa-mir-203a-3p | TSC22D2 | hasa-mir-500a-5p | SCYL3     |
|---------------|-----------|------------------|---------|-----------------|-----------|
| hasa-mir-7-5p | RPS3A     | hasa-mir-203a-3p | ZEB2    | hasa-mir-500a-5p | VANGL2    |
| hasa-mir-7-5p | RSU1      | hasa-mir-203a-3p | HELZ    | hasa-mir-500a-5p | VPS18     |
| hasa-mir-7-5p | RYK       | hasa-mir-203a-3p | SLC23A1 | hasa-mir-500a-5p | INIP      |
| hasa-mir-7-5p | ATXN1     | hasa-mir-203a-3p | THRAP3  | hasa-mir-500a-5p | NYX       |
| hasa-mir-7-5p | CXCL5     | hasa-mir-203a-3p | HNRNPD1 | hasa-mir-500a-5p | RAB17     |
| hasa-mir-7-5p | SDHC      | hasa-mir-203a-3p | DNAJB6  | hasa-mir-500a-5p | C16orf58  |
| hasa-mir-7-5p | SRSF1     | hasa-mir-203a-3p | RNF41   | hasa-mir-500a-5p | PRRG4     |
| hasa-mir-7-5p | SKP2      | hasa-mir-203a-3p | HNRNPR  | hasa-mir-500a-5p | NOX5      |
| hasa-mir-7-5p | SLC5A3    | hasa-mir-203a-3p | DSCR3   | hasa-mir-500a-5p | GSTCD     |
| hasa-mir-7-5p | SLC6A9    | hasa-mir-203a-3p | DLC1    | hasa-mir-500a-5p | DNAJB14   |
| hasa-mir-7-5p | SLIT3     | hasa-mir-203a-3p | IPO7    | hasa-mir-500a-5p | MPIG6B    |
| hasa-mir-7-5p | SLPI      | hasa-mir-203a-3p | HEXIM1  | hasa-mir-500a-5p | GSG1      |
| hasa-mir-7-5p | SMARCD1   | hasa-mir-203a-3p | ARID3B  | hasa-mir-500a-5p | FSD1L     |
| hasa-mir-7-5p | SNCA      | hasa-mir-203a-3p | KHDRBS1 | hasa-mir-500a-5p | SLC7A6OS  |
| hasa-mir-7-5p | SOD2      | hasa-mir-203a-3p | CELF2   | hasa-mir-500a-5p | POLR1B    |
| hasa-mir-7-5p | CAPN15    | hasa-mir-203a-3p | KIF1C   | hasa-mir-500a-5p | PARD6B    |
| hasa-mir-7-5p | SRM       | hasa-mir-203a-3p | NUP50   | hasa-mir-500a-5p | PRRC2B    |
| hasa-mir-7-5p | SRPK1     | hasa-mir-203a-3p | ARP19   | hasa-mir-500a-5p | FAM104A   |
| hasa-mir-7-5p | SSX1      | hasa-mir-203a-3p | ZNF268  | hasa-mir-500a-5p | ZIC5      |
| hasa-mir-7-5p | STK11     | hasa-mir-203a-3p | IL24    | hasa-mir-500a-5p | ANKRD40   |
| hasa-mir-7-5p | SULT1C2   | hasa-mir-203a-3p | CIT     | hasa-mir-500a-5p | CYP2U1    |
| hasa-mir-7-5p | SUPT4H1   | hasa-mir-203a-3p | FGFR1OP | hasa-mir-500a-5p | TUBGCP5   |
| hasa-mir-7-5p | SURF6     | hasa-mir-203a-3p | ZWINT   | hasa-mir-500a-5p | GTG6      |
| hasa-mir-7-5p | TAF1      | hasa-mir-203a-3p | WIFI    | hasa-mir-500a-5p | LYPD6     |
| hasa-mir-7-5p | TAF4      | hasa-mir-203a-3p | POL1    | hasa-mir-500a-5p | DNAJC21   |
| hasa-mir-7-5p | TAGLN     | hasa-mir-203a-3p | SEC63   | hasa-mir-500a-5p | CKA2P2L   |
| hasa-mir-7-5p | TAPBP     | hasa-mir-203a-3p | PDCD10  | hasa-mir-500a-5p | ITPRIPL1  |
| hasa-mir-7-5p | TCOF1     | hasa-mir-203a-3p | PARK7   | hasa-mir-500a-5p | NFXL1     |
| hasa-mir-7-5p | PPP1R11   | hasa-mir-203a-3p | ZNF652  | hasa-mir-500a-5p | SLC38A9   |
| hasa-mir-7-5p | TFPI      | hasa-mir-203a-3p | FAM208A | hasa-mir-500a-5p | AMOT      |
| hasa-mir-7-5p | TFRC      | hasa-mir-203a-3p | SATB2   | hasa-mir-500a-5p | SLC35G1   |
| hasa-mir-7-5p | TGM2      | hasa-mir-203a-3p | ZCCHC11 | hasa-mir-500a-5p | PGBD4     |
| hasa-mir-7-5p | TLR4      | hasa-mir-203a-3p | SYNM    | hasa-mir-500a-5p | FAM9C     |
| hasa-mir-7-5p | TNFAIP2   | hasa-mir-203a-3p | SMCHD1  | hasa-mir-500a-5p | CT62      |
| hasa-mir-7-5p | TNP1      | hasa-mir-203a-3p | UFL1    | hasa-mir-500a-5p | USF3      |
| hasa-mir-7-5p | TOP2A     | hasa-mir-203a-3p | SLC44A1 | hasa-mir-500a-5p | SLC36A1   |
| hasa-mir-7-5p | TSN       | hasa-mir-203a-3p | SH3BP4  | hasa-mir-500a-5p | OR9Q1     |
| hasa-mir-7-5p | UBE2A     | hasa-mir-203a-3p | HECTD1  | hasa-mir-500a-5p | ZDHHC20   |
| hasa-mir-7-5p | NR1H2     | hasa-mir-203a-3p | ZNF451  | hasa-mir-500a-5p | ST6GALNAC3|
| hasa-mir-7-5p | VDAC1     | hasa-mir-203a-3p | SZRD1   | hasa-mir-500a-5p | DCAF4L1   |
| hasa-mir-7-5p | WFS1      | hasa-mir-203a-3p | FBXL3   | hasa-mir-500a-5p | SREK1P1   |
| hasa-mir-7-5p | WNT8B     | hasa-mir-203a-3p | FBXL5   | hasa-mir-500a-5p | FFF4      |
| hasa-mir-7-5p | XRCC2     | hasa-mir-203a-3p | CNNM4   | hasa-mir-500a-5p | OTOG      |
| Small RNA      | Gene          | Small RNA      | Gene          | Small RNA      | Gene          |
|----------------|---------------|----------------|---------------|----------------|---------------|
| hsa-mir-7-5p   | XRCC5         | hsa-mir-203a-3p| CNNM3         | hsa-mir-500a-5p| KCNT2         |
| hsa-mir-7-5p   | YY1           | hsa-mir-203a-3p| RGS17         | hsa-mir-500a-5p| FAM71F2       |
| hsa-mir-7-5p   | ZP3           | hsa-mir-203a-3p| GREM1         | hsa-mir-500a-5p| SFT2D2        |
| hsa-mir-7-5p   | ZXDA          | hsa-mir-203a-3p| TEMEM97       | hsa-mir-500a-5p| BLOC1S3       |
| hsa-mir-7-5p   | ZYX           | hsa-mir-203a-3p| TBK1          | hsa-mir-500a-5p| SRRD          |
| hsa-mir-7-5p   | LUZP1         | hsa-mir-203a-3p| SERTAD3       | hsa-mir-500a-5p| ZBTB34        |
| hsa-mir-7-5p   | DNALI1        | hsa-mir-203a-3p| PSAT1         | hsa-mir-500a-5p| DENND6B       |
| hsa-mir-7-5p   | BTG2          | hsa-mir-203a-3p| DNTTIP2       | hsa-mir-500a-5p| C8orf82       |
| hsa-mir-7-5p   | CUL5          | hsa-mir-203a-3p| ASAP1         | hsa-mir-500a-5p| RNF165        |
| hsa-mir-7-5p   | PTP4A2        | hsa-mir-203a-3p| RNF141        | hsa-mir-500a-5p| FAM229B       |
| hsa-mir-7-5p   | SSPN          | hsa-mir-203a-3p| GLRX2         | hsa-mir-500a-5p| ZBTB8B        |
| hsa-mir-7-5p   | FXR1          | hsa-mir-203a-3p| TRNT1         | hsa-mir-500a-5p| TMEM242       |
| hsa-mir-7-5p   | GAN           | hsa-mir-203a-3p| SH3GLB1       | hsa-mir-500a-5p| CBS           |
| hsa-mir-7-5p   | SLC7A5        | hsa-mir-203a-3p| RLIN          | hsa-mir-500a-5p| KLF6          |
| hsa-mir-7-5p   | AKAP1         | hsa-mir-203a-3p| GDAP1         | hsa-mir-500a-5p| CPM           |
| hsa-mir-7-5p   | GDF5          | hsa-mir-203a-3p| EGLN1         | hsa-mir-500a-5p| DHODH         |
| hsa-mir-7-5p   | OR1A1         | hsa-mir-203a-3p| KLHL28        | hsa-mir-500a-5p| DYRK1A        |
| hsa-mir-7-5p   | RGS5          | hsa-mir-203a-3p| NSD3          | hsa-mir-500a-5p| EHHADH        |
| hsa-mir-7-5p   | PIK3R3        | hsa-mir-203a-3p| TMEM70        | hsa-mir-500a-5p| ERCC1         |
| hsa-mir-7-5p   | YARS          | hsa-mir-203a-3p| DNAAF2        | hsa-mir-500a-5p| ERCC1         |
| hsa-mir-7-5p   | AKR7A2        | hsa-mir-203a-3p| ZNF654        | hsa-mir-500a-5p| GALNT2        |
| hsa-mir-7-5p   | RDH16         | hsa-mir-203a-3p| FBXW7         | hsa-mir-500a-5p| B4GALT1       |
| hsa-mir-7-5p   | PLLP3         | hsa-mir-203a-3p| PI4K2B        | hsa-mir-500a-5p| KCNJ11        |
| hsa-mir-7-5p   | IRS2          | hsa-mir-203a-3p| SLC39A9       | hsa-mir-500a-5p| MKI67         |
| hsa-mir-7-5p   | VAMP8         | hsa-mir-203a-3p| TSS1          | hsa-mir-500a-5p| COX1          |
| hsa-mir-7-5p   | GBF1          | hsa-mir-203a-3p| ENAH          | hsa-mir-500a-5p| NINJ1         |
| hsa-mir-7-5p   | GPAA1         | hsa-mir-203a-3p| EXOC2         | hsa-mir-500a-5p| NIPR1         |
| hsa-mir-7-5p   | FADD          | hsa-mir-203a-3p| CAND1         | hsa-mir-500a-5p| PCCB          |
| hsa-mir-7-5p   | SOCS2         | hsa-mir-203a-3p| C20orf24      | hsa-mir-500a-5p| RAB13         |
| hsa-mir-7-5p   | CFLAR          | hsa-mir-203a-3p| GPCPD1        | hsa-mir-500a-5p| RAD51         |
| hsa-mir-7-5p   | ST3GAL5       | hsa-mir-203a-3p| DHX33         | hsa-mir-500a-5p| RBMS2         |
| hsa-mir-7-5p   | SQSTM1        | hsa-mir-203a-3p| CDC42SE2      | hsa-mir-500a-5p| RPS6KB1       |
| hsa-mir-7-5p   | SGPL1         | hsa-mir-203a-3p| SLC45A4       | hsa-mir-500a-5p| SNAPC3        |
| hsa-mir-7-5p   | AP1M1         | hsa-mir-203a-3p| RAB22A        | hsa-mir-500a-5p| SOX11         |
| hsa-mir-7-5p   | TRPA1         | hsa-mir-203a-3p| CYP20A1       | hsa-mir-500a-5p| ZNF70         |
| hsa-mir-7-5p   | HAP1          | hsa-mir-203a-3p| SLC12A5       | hsa-mir-500a-5p| ZNF154        |
| hsa-mir-7-5p   | UNC119        | hsa-mir-203a-3p| SERINC1       | hsa-mir-500a-5p| SMC1A         |
| hsa-mir-7-5p   | XPR1          | hsa-mir-203a-3p| SRGAP1        | hsa-mir-500a-5p| FZD6          |
| hsa-mir-7-5p   | ZBTB22        | hsa-mir-203a-3p| NUFIP2        | hsa-mir-500a-5p| EIF3F         |
| hsa-mir-7-5p   | KLF4          | hsa-mir-203a-3p| TRMT5         | hsa-mir-500a-5p| STX16         |
| hsa-mir-7-5p   | NREP          | hsa-mir-203a-3p| HOMEZ         | hsa-mir-500a-5p| APLN          |
| hsa-mir-7-5p   | GTF3C5        | hsa-mir-203a-3p| SLAIN2        | hsa-mir-500a-5p| FOXH1         |
| hsa-mir-7-5p   | CNOT8         | hsa-mir-203a-3p| KIF13A        | hsa-mir-500a-5p| LIMD1         |
| hsa-mir-7-5p   | SNAP29        | hsa-mir-203a-3p| ARHGEF28      | hsa-mir-500a-5p| KCNK6         |
| mir&RNA   | Gene         | mir&RNA   | Gene         | mir&RNA   | Gene         |
|----------|--------------|----------|--------------|----------|--------------|
| hsa-mir-7-5p | ZNF264       | hsa-mir-203a-3p | SMURF2       | hsa-mir-550a-5p | TMEM59       |
| hsa-mir-7-5p | LITAF        | hsa-mir-203a-3p | RMND5A       | hsa-mir-550a-5p | KHL1L21      |
| hsa-mir-7-5p | MPDU1        | hsa-mir-203a-3p | BCL11B       | hsa-mir-550a-5p | HNRNPDL      |
| hsa-mir-7-5p | VPS26A       | hsa-mir-203a-3p | RAPH1        | hsa-mir-550a-5p | ACTR1A       |
| hsa-mir-7-5p | TCL1B        | hsa-mir-203a-3p | WDR77        | hsa-mir-550a-5p | DCAF7        |
| hsa-mir-7-5p | SLC25A44     | hsa-mir-203a-3p | FYCO1        | hsa-mir-550a-5p | BPNT1        |
| hsa-mir-7-5p | UBE3C        | hsa-mir-203a-3p | MCTP1        | hsa-mir-550a-5p | KIF1C        |
| hsa-mir-7-5p | TRAM2        | hsa-mir-203a-3p | CBLL1        | hsa-mir-550a-5p | ZNF277       |
| hsa-mir-7-5p | SECISBP2L    | hsa-mir-203a-3p | KLHL15       | hsa-mir-550a-5p | NT5C2        |
| hsa-mir-7-5p | SUSD6        | hsa-mir-203a-3p | CPEB4        | hsa-mir-550a-5p | TTC28        |
| hsa-mir-7-5p | JADE3        | hsa-mir-203a-3p | CXXC4        | hsa-mir-550a-5p | HAUS5        |
| hsa-mir-7-5p | MATR3        | hsa-mir-203a-3p | CLPTM1L      | hsa-mir-550a-5p | EXOSC2       |
| hsa-mir-7-5p | SERTAD2      | hsa-mir-203a-3p | NETO2        | hsa-mir-550a-5p | MOB4         |
| hsa-mir-7-5p | DAZAP2       | hsa-mir-203a-3p | MRO          | hsa-mir-550a-5p | UBXN7        |
| hsa-mir-7-5p | KEAP1        | hsa-mir-203a-3p | NCALD        | hsa-mir-550a-5p | TMX2         |
| hsa-mir-7-5p | SPATA2       | hsa-mir-203a-3p | PCGF6        | hsa-mir-550a-5p | GDE1         |
| hsa-mir-7-5p | TRIM14       | hsa-mir-203a-3p | POLR1B       | hsa-mir-550a-5p | MYO3A        |
| hsa-mir-7-5p | GINS1        | hsa-mir-203a-3p | GINS4        | hsa-mir-550a-5p | ELP6         |
| hsa-mir-7-5p | AKT3         | hsa-mir-203a-3p | ZBED3        | hsa-mir-550a-5p | RNF43        |
| hsa-mir-7-5p | GJC1         | hsa-mir-203a-3p | C15orf48     | hsa-mir-550a-5p | SEMA4C       |
| hsa-mir-7-5p | SCAMP2       | hsa-mir-203a-3p | LCOR         | hsa-mir-550a-5p | SLC38A7      |
| hsa-mir-7-5p | PP1F         | hsa-mir-203a-3p | PARD6B       | hsa-mir-550a-5p | YOD1         |
| hsa-mir-7-5p | WASF2        | hsa-mir-203a-3p | DGAT2        | hsa-mir-550a-5p | NKRF         |
| hsa-mir-7-5p | SLC25A15     | hsa-mir-203a-3p | NUDEL1       | hsa-mir-550a-5p | CLK4         |
| hsa-mir-7-5p | RNF41        | hsa-mir-203a-3p | TRIM4        | hsa-mir-550a-5p | STRIP2       |
| hsa-mir-7-5p | ALG3         | hsa-mir-203a-3p | MIDN         | hsa-mir-550a-5p | KIAA1328     |
| hsa-mir-7-5p | PSME3        | hsa-mir-203a-3p | MCFD2        | hsa-mir-550a-5p | WNK1         |
| hsa-mir-7-5p | MFSD10       | hsa-mir-203a-3p | FMNL2        | hsa-mir-550a-5p | NKAP         |
| hsa-mir-7-5p | DCAF7        | hsa-mir-203a-3p | FLYWCH2      | hsa-mir-550a-5p | ZNF556       |
| hsa-mir-7-5p | SIGMAR1      | hsa-mir-203a-3p | 44623        | hsa-mir-550a-5p | MED28        |
| hsa-mir-7-5p | BCKDK        | hsa-mir-203a-3p | COX20        | hsa-mir-550a-5p | KHL1L21      |
| hsa-mir-7-5p | LANC1        | hsa-mir-203a-3p | GSTO2        | hsa-mir-550a-5p | CPEB4        |
| hsa-mir-7-5p | HMGN4        | hsa-mir-203a-3p | NAA30        | hsa-mir-550a-5p | CDT1         |
| hsa-mir-7-5p | CRTAP        | hsa-mir-203a-3p | MSI2         | hsa-mir-550a-5p | CDC7A        |
| hsa-mir-7-5p | FBLN5        | hsa-mir-203a-3p | ANKRD13B     | hsa-mir-550a-5p | QRFPR        |
| hsa-mir-7-5p | IPO7         | hsa-mir-203a-3p | CCSAP        | hsa-mir-550a-5p | ZNF394       |
| hsa-mir-7-5p | AGPAT1       | hsa-mir-203a-3p | TRIM71       | hsa-mir-550a-5p | ABRAXAS1     |
| hsa-mir-7-5p | TGOLN2       | hsa-mir-203a-3p | SPATA18      | hsa-mir-550a-5p | ZDHHC18      |
| hsa-mir-7-5p | PNMA2        | hsa-mir-203a-3p | JMY          | hsa-mir-550a-5p | PPP1R15B     |
| hsa-mir-7-5p | ZNF460       | hsa-mir-203a-3p | PM20D2       | hsa-mir-550a-5p | YTHDC1       |
| hsa-mir-7-5p | FRS2         | hsa-mir-203a-3p | MTPN         | hsa-mir-550a-5p | NT5C1B       |
| hsa-mir-7-5p | ZNF275       | hsa-mir-203a-3p | TOR1AIP2     | hsa-mir-550a-5p | ZNF561       |
| hsa-mir-7-5p | EHD1         | hsa-mir-203a-3p | UBXN2A       | hsa-mir-550a-5p | HSPA12B      |
| hsa-mir-7-5p | TMED2        | hsa-mir-203a-3p | GPR156       | hsa-mir-550a-5p | ISCA2        |
| miRNA     | Gene          | miRNA     | Gene          | miRNA     | Gene          |
|-----------|---------------|-----------|---------------|-----------|---------------|
| hsa-miR-7p| CKAP4         | hsa-miR-203a-3p| PRICKLE2      | hsa-miR-550a-5p| SNX20         |
| hsa-miR-7p| TMED10        | hsa-miR-203a-3p| GLIS3         | hsa-miR-550a-5p| PABPC4L       |
| hsa-miR-7p| RAB32         | hsa-miR-203a-3p| OIT3          | hsa-miR-550a-5p| LSM11         |
| hsa-miR-7p| CDC37         | hsa-miR-203a-3p| ZNF367        | hsa-miR-550a-5p| FMC1          |
| hsa-miR-7p| WDR45         | hsa-miR-203a-3p| ARID2         | hsa-miR-550a-5p| UNC5B         |
| hsa-miR-7p| FICD          | hsa-miR-203a-3p| TRIML2        | hsa-miR-550a-5p| FAM102B       |
| hsa-miR-7p| AKAP11        | hsa-miR-203a-3p| TBCE1         | hsa-miR-550a-5p| YIPF6         |
| hsa-miR-7p| CHP1          | hsa-miR-203a-3p| SPATA13       | hsa-miR-550a-5p| ZDHHC21       |
| hsa-miR-7p| LYPLA2        | hsa-miR-203a-3p| ZUFSP         | hsa-miR-550a-5p| ANKRD62       |
| hsa-miR-7p| TUSC2         | hsa-miR-203a-3p| C6orf223      | hsa-miR-550a-5p| RD3           |
| hsa-miR-7p| EXOC3         | hsa-miR-203a-3p| FOXK1         | hsa-miR-550a-5p| FRRS1         |
| hsa-miR-7p| MGLL          | hsa-miR-203a-3p| SEMA3D        | hsa-miR-550a-5p| TMEM151B      |
| hsa-miR-7p| RRAS2         | hsa-miR-203a-3p| PRR14L        | hsa-miR-550a-5p| RNF222        |
| hsa-miR-7p| MRAS          | hsa-miR-203a-3p| IPMK          | hsa-miR-550a-5p| PCP4L1        |
| hsa-miR-7p| AT5F          | hsa-miR-203a-3p| LCLAT1        | hsa-miR-550a-5p| ZBTB8B        |
| hsa-miR-7p| ZNF507        | hsa-miR-203a-3p| CADM2         | hsa-miR-550a-5p| ZNF878        |
| hsa-miR-7p| ZNF365        | hsa-miR-203a-3p| MCM9          | hsa-miR-550a-5p| PSAPL1        |
| hsa-miR-7p| SIRT2         | hsa-miR-203a-3p| GXYLT1        | hsa-miR-550a-5p| NT5C1B-RDH14  |
| hsa-miR-7p| MYH15         | hsa-miR-203a-3p| HEPH1         | hsa-miR-550a-5p| HSPE1-MOB4    |
| hsa-miR-7p| SETD1B        | hsa-miR-203a-3p| LCE1A         | hsa-miR-942-3p| ALDH1A3       |
| hsa-miR-7p| PPRC1         | hsa-miR-203a-3p| PEAR1         | hsa-miR-942-3p| APBB2         |
| hsa-miR-7p| TBC1D2B       | hsa-miR-203a-3p| CERKL         | hsa-miR-942-3p| ZFP36L2       |
| hsa-miR-7p| TNRC6B        | hsa-miR-203a-3p| BOLA3         | hsa-miR-942-3p| CD44          |
| hsa-miR-7p| RAD54L2       | hsa-miR-203a-3p| LIN28B        | hsa-miR-942-3p| CREBL2        |
| hsa-miR-7p| TTL1L2        | hsa-miR-203a-3p| PRAMEF8       | hsa-miR-942-3p| CTH           |
| hsa-miR-7p| ZCCHC14       | hsa-miR-203a-3p| PIM3          | hsa-miR-942-3p| GAS1          |
| hsa-miR-7p| ZC3H4         | hsa-miR-203a-3p| MXRA7         | hsa-miR-942-3p| GATA6         |
| hsa-miR-7p| RPRD2         | hsa-miR-203a-3p| PRAMEF7       | hsa-miR-942-3p| GCH1          |
| hsa-miR-7p| PPI5P52       | hsa-miR-203a-3p| LOH12CR2      | hsa-miR-942-3p| HNRNPL        |
| hsa-miR-7p| ICOSLG        | hsa-miR-203a-3p| ZNF704        | hsa-miR-942-3p| HNRNPU        |
| hsa-miR-7p| ARHGEF12      | hsa-miR-203a-3p| TMPPE         | hsa-miR-942-3p| IL7R          |
| hsa-miR-7p| SRGAP2        | hsa-miR-203a-3p| LINC00598     | hsa-miR-942-3p| LDHA          |
| hsa-miR-7p| NUDCD3        | hsa-miR-203a-3p| STMP1         | hsa-miR-942-3p| MMP9          |
| hsa-miR-7p| EXOSC2        | hsa-miR-203a-3p| GXYLT2        | hsa-miR-942-3p| NCL           |
| hsa-miR-7p| CBX7          | hsa-miR-323a-3p| AADAC         | hsa-miR-942-3p| PGGT1B        |
| hsa-miR-7p| SNAPIN        | hsa-miR-323a-3p| CANX          | hsa-miR-942-3p| PLK1          |
| hsa-miR-7p| CDC42EP4      | hsa-miR-323a-3p| CBR1          | hsa-miR-942-3p| PTK6          |
| hsa-miR-7p| RUSC1         | hsa-miR-323a-3p| CDKN1B        | hsa-miR-942-3p| RBMS2         |
| hsa-miR-7p| FAM89B        | hsa-miR-323a-3p| CHEK1         | hsa-miR-942-3p| SCO1          |
| hsa-miR-7p| KPN46         | hsa-miR-323a-3p| EREG          | hsa-miR-942-3p| SRPK1         |
| hsa-miR-7p| HSPBP1        | hsa-miR-323a-3p| F5            | hsa-miR-942-3p| UBE2A         |
| hsa-miR-7p| SH3BP4        | hsa-miR-323a-3p| GALNT1        | hsa-miR-942-3p| VEGFA         |
| hsa-miR-7p| DCAF12        | hsa-miR-323a-3p| HRNRPA1       | hsa-miR-942-3p| UBL4A         |
| hsa-miR-7p| TPGS2         | hsa-miR-323a-3p| STMN1         | hsa-miR-942-3p| SERF1A        |
| miRNA    | Gene 1     | Gene 2 | Gene 3 | Gene 4 | Gene 5 |
|----------|------------|--------|--------|--------|--------|
| hsa-mir-7-5p | ZNF385A    | hsa-mir-323a-3p | SMAD2   | hsa-mir-942-3p | ARHGEF2 |
| hsa-mir-7-5p | PNI5R      | hsa-mir-323a-3p | SMAD3   | hsa-mir-942-3p | SH3PXD2A |
| hsa-mir-7-5p | TSKU       | hsa-mir-323a-3p | MAP3K1  | hsa-mir-942-3p | SETD1A  |
| hsa-mir-7-5p | TMEM98     | hsa-mir-323a-3p | MYC     | hsa-mir-942-3p | G3BP1   |
| hsa-mir-7-5p | CNTNAP2    | hsa-mir-323a-3p | P2RY11  | hsa-mir-942-3p | KLF2    |
| hsa-mir-7-5p | RAB11FIP5  | hsa-mir-323a-3p | PLG1    | hsa-mir-942-3p | ZNF460  |
| hsa-mir-7-5p | SZRD1      | hsa-mir-323a-3p | PMAIP1  | hsa-mir-942-3p | LILRA2  |
| hsa-mir-7-5p | PITPN1C    | hsa-mir-323a-3p | PPP1CB  | hsa-mir-942-3p | DSTN    |
| hsa-mir-7-5p | LHX6       | hsa-mir-323a-3p | PPP1CC  | hsa-mir-942-3p | RNF44   |
| hsa-mir-7-5p | CNNM4      | hsa-mir-323a-3p | PRKAR1A | hsa-mir-942-3p | C1GALT1C1 |
| hsa-mir-7-5p | MYEOV      | hsa-mir-323a-3p | STAT3   | hsa-mir-942-3p | PURG    |
| hsa-mir-7-5p | CHORDC1    | hsa-mir-323a-3p | TCP1    | hsa-mir-942-3p | RMDN1   |
| hsa-mir-7-5p | AP3M1      | hsa-mir-323a-3p | TRPS1   | hsa-mir-942-3p | ARL6IP4 |
| hsa-mir-7-5p | RNF11      | hsa-mir-323a-3p | TSNAX   | hsa-mir-942-3p | C21orf62-AS1 |
| hsa-mir-7-5p | LYPD3      | hsa-mir-323a-3p | CNBP    | hsa-mir-942-3p | QPCTL   |
| hsa-mir-7-5p | CACNG5     | hsa-mir-323a-3p | ZXDA    | hsa-mir-942-3p | SLC48A1 |
| hsa-mir-7-5p | EIF2AK1    | hsa-mir-323a-3p | PLA2G7  | hsa-mir-942-3p | LMBR1L  |
| hsa-mir-7-5p | INTU       | hsa-mir-323a-3p | SEMA7A  | hsa-mir-942-3p | NUFIP2  |
| hsa-mir-7-5p | VPS4A      | hsa-mir-323a-3p | UNC5C   | hsa-mir-942-3p | TAO1K   |
| hsa-mir-7-5p | SERP1      | hsa-mir-323a-3p | TNFRSF10B | hsa-mir-942-3p | CRAMP1  |
| hsa-mir-7-5p | LSM3       | hsa-mir-323a-3p | WASL    | hsa-mir-942-3p | BEND3   |
| hsa-mir-7-5p | SULT1B1    | hsa-mir-323a-3p | GPR50   | hsa-mir-942-3p | FAM160B1 |
| hsa-mir-7-5p | CRCP       | hsa-mir-323a-3p | SOCS5   | hsa-mir-942-3p | AFAP1   |
| hsa-mir-7-5p | RBMS3      | hsa-mir-323a-3p | BZW1    | hsa-mir-942-3p | SUSD1   |
| hsa-mir-7-5p | MOCS3      | hsa-mir-323a-3p | FAM20B  | hsa-mir-942-3p | CLPB    |
| hsa-mir-7-5p | TNR6C3A    | hsa-mir-323a-3p | HMGXB4  | hsa-mir-942-3p | RAB1B   |
| hsa-mir-7-5p | ANGPTL3    | hsa-mir-323a-3p | TSPAN3  | hsa-mir-942-3p | ZBTB45  |
| hsa-mir-7-5p | TMEM97     | hsa-mir-323a-3p | LHFPL6  | hsa-mir-942-3p | TMEM250 |
| hsa-mir-7-5p | GIT1       | hsa-mir-323a-3p | TXNIP   | hsa-mir-942-3p | SFXN1   |
| hsa-mir-7-5p | DBNL       | hsa-mir-323a-3p | PRDM4   | hsa-mir-942-3p | STX1B   |
| hsa-mir-7-5p | SSU72      | hsa-mir-323a-3p | FNDC3A  | hsa-mir-942-3p | ZNF618  |
| hsa-mir-7-5p | UHRF1      | hsa-mir-323a-3p | CLCC1   | hsa-mir-942-3p | SLC16A10 |
| hsa-mir-7-5p | SERTAD3    | hsa-mir-323a-3p | NUP205  | hsa-mir-942-3p | EXOSC6  |
| hsa-mir-7-5p | DNTTIP2    | hsa-mir-323a-3p | RAB3GAP2| hsa-mir-942-3p | FOXR2   |
| hsa-mir-7-5p | EHD3       | hsa-mir-323a-3p | PNISR   | hsa-mir-942-3p | EXOC8   |
| hsa-mir-7-5p | IL21R      | hsa-mir-323a-3p | SLC17A5 | hsa-mir-942-3p | CCDC50  |
| hsa-mir-7-5p | CRIM1      | hsa-mir-323a-3p | PELP1   | hsa-mir-942-3p | TOR1AIP2 |
| hsa-mir-7-5p | SHISA5     | hsa-mir-323a-3p | MYLIP   | hsa-mir-942-3p | CASP16P |
| hsa-mir-7-5p | TMEM69     | hsa-mir-323a-3p | GSM2    | hsa-mir-942-3p | RPL22L1 |
| hsa-mir-7-5p | DNAJC27    | hsa-mir-323a-3p | SLC35C2 | hsa-mir-942-3p | NUDT7   |
| hsa-mir-7-5p | ZDHHC3     | hsa-mir-323a-3p | UTP18   | hsa-mir-942-3p | POTEG   |
| hsa-mir-7-5p | SLC25A37   | hsa-mir-323a-3p | RMDN1   | hsa-mir-942-3p | POTEM   |
| hsa-mir-7-5p | MS4A4A     | hsa-mir-323a-3p | INO80D  | hsa-mir-942-3p | LINC00598 |
| hsa-mir-7-5p | EIF3L      | hsa-mir-323a-3p | CDKN2AIP| hsa-mir-942-3p | SERF1B  |
| hsa-mir-7-5p | RWDD1 | hsa-mir-323a-3p | DEPDC1 |