**Diagram

Description automatically generated with low confidence**

**Supplemental Figure 1. *Hsa-miR-206-3p* does not target human *CCL2* transcript in THP-1 macrophage.** (A) TargetScanHuman7.2 predicted sequence alignment of the human CCL2 3′UTR regions indicating putative hsa-miR-206-3p binding site. Seed sequences of hsa-miR-206-3p is underlined. (B) Differentiated THP-1 macrophages were transfected with 25 nM of either miR-mimic-206-3p or nontargeting miR-mimic-Control (Ctl). RNA induced silencing complexes (RISCs) containing putative AGOs/miRs/mRNAs complexes were immunoprecipitated using anti-panAGO or isotype IgG antibody of the miRNA target IP kit from Active Motif according to the manufacturer’s instructions. Total RNA was purified from the immunoprecipitated RISC complex using *miRVana™* miR Isolation Kit and reverse transcribed into cDNA using the High-Capacity cDNA Reverse Transfection Kit. Human *CCL2* expression enrichment in the RISC complex was measured by using TaqMan stem-loop RT-qPCR assays and calculated from the anti-panAgo and the IgG isotype antibody IP preparations as described by the manufacturer (N = 3; bars, SEM).

**Supplemental Table 1. TargetScanHuman 7.2 predicted human *CCL2* targeting microRNAs**

|  |  |  |  |
| --- | --- | --- | --- |
| **Predicted miRNA** | **RefSeq#** | **Position in the 3'UTR** | **seed match** |
| hsa-miR-6774-5p | NM\_002982 | 16-22 | 7mer-1A |
| hsa-miR-635 | NM\_002982 | 16-22 | 7mer-1A |
| hsa-miR-10b-3p | NM\_002982 | 21-27 | 7mer-m8 |
| hsa-miR-3158-5p | NM\_002982 | 24-30 | 7mer-m8 |
| hsa-miR-22-3p | NM\_002982 | 27-33 | 7mer-1A |
| hsa-miR-4668-5p | NM\_002982 | 39-45 | 7mer-m8 |
| hsa-miR-6783-5p | NM\_002982 | 41-48 | 8mer |
| hsa-miR-6824-5p | NM\_002982 | 42-48 | 7mer-m8 |
| hsa-miR-3153 | NM\_002982 | 50-56 | 7mer-m8 |
| hsa-miR-6739-5p | NM\_002982 | 50-56 | 7mer-m8 |
| hsa-miR-6733-5p | NM\_002982 | 50-56 | 7mer-m8 |
| hsa-miR-2110 | NM\_002982 | 52-58 | 7mer-m8 |
| hsa-miR-4271 | NM\_002982 | 52-58 | 7mer-1A |
| hsa-miR-4725-3p | NM\_002982 | 52-58 | 7mer-1A |
| hsa-miR-6780b-5p | NM\_002982 | 52-58 | 7mer-1A |
| hsa-miR-8089 | NM\_002982 | 53-60 | 8mer |
| hsa-miR-4667-5p | NM\_002982 | 53-60 | 8mer |
| hsa-miR-4700-5p | NM\_002982 | 53-60 | 8mer |
| hsa-miR-7155-5p | NM\_002982 | 54-60 | 7mer-1A |
| hsa-miR-637 | NM\_002982 | 54-60 | 7mer-1A |
| hsa-miR-1231 | NM\_002982 | 56-62 | 7mer-m8 |
| hsa-miR-3163 | NM\_002982 | 72-78 | 7mer-m8 |
| hsa-miR-5692b | NM\_002982 | 76-82 | 7mer-1A |
| hsa-miR-5692c | NM\_002982 | 76-82 | 7mer-1A |
| hsa-miR-369-3p | NM\_002982 | 76-82 | 7mer-1A |
| hsa-miR-374a-5p | NM\_002982 | 76-83 | 8mer |
| hsa-miR-374b-5p | NM\_002982 | 76-83 | 8mer |
| hsa-miR-4528 | NM\_002982 | 79-86 | 8mer |
| hsa-miR-664a-3p | NM\_002982 | 82-88 | 7mer-m8 |
| hsa-miR-4760-3p | NM\_002982 | 83-89 | 7mer-m8 |
| hsa-miR-495-3p | NM\_002982 | 92-98 | 7mer-m8 |
| hsa-miR-5688 | NM\_002982 | 92-98 | 7mer-m8 |
| hsa-miR-3065-5p | NM\_002982 | 93-100 | 8mer |
| hsa-miR-7159-5p | NM\_002982 | 94-100 | 7mer-m8 |
| hsa-miR-23b-3p | NM\_002982 | 100-106 | 7mer-1A |
| hsa-miR-23c | NM\_002982 | 100-106 | 7mer-1A |
| hsa-miR-23a-3p | NM\_002982 | 100-106 | 7mer-1A |
| hsa-miR-130a-5p | NM\_002982 | 100-106 | 7mer-1A |
| hsa-miR-33a-3p | NM\_002982 | 105-112 | 8mer |
| hsa-miR-409-3p | NM\_002982 | 106-112 | 7mer-1A |
| hsa-miR-3910 | NM\_002982 | 112-119 | 8mer |
| hsa-miR-3714 | NM\_002982 | 113-119 | 7mer-1A |
| hsa-miR-124-3p.1 | NM\_002982 | 113-119 | 7mer-1A |
| hsa-miR-124-3p.2 | NM\_002982 | 113-120 | 8mer |
| hsa-miR-506-3p | NM\_002982 | 113-120 | 8mer |
| hsa-miR-323a-3p | NM\_002982 | 121-127 | 7mer-m8 |
| hsa-miR-3143 | NM\_002982 | 123-130 | 8mer |
| hsa-miR-543 | NM\_002982 | 123-129 | 7mer-1A |
| hsa-miR-302c-5p | NM\_002982 | 124-130 | 7mer-m8 |
| hsa-miR-6507-5p | NM\_002982 | 130-136 | 7mer-1A |
| hsa-miR-5692a | NM\_002982 | 134-140 | 7mer-1A |
| hsa-miR-95-5p | NM\_002982 | 143-149 | 7mer-1A |
| hsa-miR-577 | NM\_002982 | 159-165 | 7mer-m8 |
| hsa-miR-7153-3p | NM\_002982 | 168-174 | 7mer-1A |
| hsa-miR-624-5p | NM\_002982 | 170-177 | 8mer |
| hsa-miR-3923 | NM\_002982 | 173-179 | 7mer-m8 |
| hsa-miR-4704-5p | NM\_002982 | 175-181 | 7mer-m8 |
| hsa-miR-4742-3p | NM\_002982 | 189-195 | 7mer-1A |
| hsa-miR-593-3p | NM\_002982 | 192-198 | 7mer-m8 |
| hsa-miR-3184-3p | NM\_002982 | 194-200 | 7mer-m8 |
| hsa-miR-3691-3p | NM\_002982 | 196-202 | 7mer-m8 |
| hsa-miR-6793-3p | NM\_002982 | 199-205 | 7mer-1A |
| hsa-miR-2355-5p | NM\_002982 | 200-206 | 7mer-1A |
| hsa-miR-3679-3p | NM\_002982 | 201-207 | 7mer-1A |
| hsa-miR-548e-5p | NM\_002982 | 209-215 | 7mer-m8 |
| hsa-miR-6124 | NM\_002982 | 211-217 | 7mer-m8 |
| hsa-miR-6859-5p | NM\_002982 | 214-220 | 7mer-m8 |
| hsa-miR-3916 | NM\_002982 | 214-220 | 7mer-m8 |
| hsa-miR-3125 | NM\_002982 | 214-220 | 7mer-m8 |
| hsa-miR-335-5p | NM\_002982 | 217-223 | 7mer-1A |
| hsa-miR-203a-5p | NM\_002982 | 222-229 | 8mer |
| hsa-miR-1273g-5p | NM\_002982 | 223-229 | 7mer-1A |
| hsa-miR-4318 | NM\_002982 | 225-231 | 7mer-m8 |
| hsa-miR-4650-3p | NM\_002982 | 231-237 | 7mer-m8 |
| hsa-miR-3132 | NM\_002982 | 232-238 | 7mer-m8 |
| hsa-miR-197-5p | NM\_002982 | 232-238 | 7mer-m8 |
| hsa-miR-6764-5p | NM\_002982 | 237-244 | 8mer |
| hsa-miR-1915-3p | NM\_002982 | 237-244 | 8mer |
| hsa-miR-6840-3p | NM\_002982 | 238-244 | 7mer-1A |
| hsa-miR-4726-3p | NM\_002982 | 238-244 | 7mer-1A |
| hsa-miR-1323 | NM\_002982 | 246-252 | 7mer-1A |
| hsa-miR-548o-3p | NM\_002982 | 246-252 | 7mer-1A |
| hsa-miR-616-5p | NM\_002982 | 247-253 | 7mer-m8 |
| hsa-miR-371b-5p | NM\_002982 | 247-253 | 7mer-m8 |
| hsa-miR-373-5p | NM\_002982 | 247-253 | 7mer-m8 |
| hsa-miR-3667-5p | NM\_002982 | 253-259 | 7mer-m8 |
| hsa-miR-518a-5p | NM\_002982 | 257-264 | 8mer |
| hsa-miR-527 | NM\_002982 | 257-264 | 8mer |
| hsa-miR-548aw | NM\_002982 | 258-264 | 7mer-1A |
| hsa-miR-580-5p | NM\_002982 | 266-273 | 8mer |
| hsa-miR-496.2 | NM\_002982 | 272-278 | 7mer-1A |
| hsa-miR-3149 | NM\_002982 | 274-280 | 7mer-1A |
| hsa-miR-6844 | NM\_002982 | 276-283 | 8mer |
| hsa-miR-206 | NM\_002982 | 293-300 | 8mer |
| hsa-miR-613 | NM\_002982 | 293-300 | 8mer |
| hsa-miR-1-3p | NM\_002982 | 293-300 | 8mer |
| hsa-miR-6505-5p | NM\_002982 | 295-301 | 7mer-1A |
| hsa-miR-33a-5p | NM\_002982 | 299-305 | 7mer-m8 |
| hsa-miR-33b-5p | NM\_002982 | 299-305 | 7mer-m8 |
| hsa-miR-586 | NM\_002982 | 300-306 | 7mer-m8 |
| hsa-miR-5700 | NM\_002982 | 301-307 | 7mer-m8 |
| hsa-miR-3908 | NM\_002982 | 304-311 | 8mer |
| hsa-miR-4766-3p | NM\_002982 | 305-312 | 8mer |
| hsa-miR-3942-5p | NM\_002982 | 305-311 | 7mer-1A |
| hsa-miR-4703-5p | NM\_002982 | 305-311 | 7mer-1A |
| hsa-miR-374b-3p | NM\_002982 | 307-313 | 7mer-1A |
| hsa-miR-5692c | NM\_002982 | 314-320 | 7mer-m8 |
| hsa-miR-5692b | NM\_002982 | 314-320 | 7mer-m8 |
| hsa-miR-3692-3p | NM\_002982 | 321-328 | 8mer |
| hsa-miR-579-3p | NM\_002982 | 326-332 | 7mer-1A |
| hsa-miR-5696 | NM\_002982 | 326-332 | 7mer-1A |
| hsa-miR-664b-3p | NM\_002982 | 326-332 | 7mer-1A |
| hsa-miR-664a-3p | NM\_002982 | 327-334 | 8mer |
| hsa-miR-6074 | NM\_002982 | 329-335 | 7mer-m8 |
| hsa-miR-520d-5p | NM\_002982 | 336-342 | 7mer-1A |
| hsa-miR-524-5p | NM\_002982 | 336-342 | 7mer-1A |
| hsa-miR-633 | NM\_002982 | 342-348 | 7mer-m8 |
| hsa-miR-2054 | NM\_002982 | 344-350 | 7mer-m8 |
| hsa-miR-5002-5p | NM\_002982 | 350-357 | 8mer |
| hsa-miR-1277-5p | NM\_002982 | 359-365 | 7mer-m8 |
| hsa-let-7c-3p | NM\_002982 | 367-374 | 8mer |
| hsa-let-7a-2-3p | NM\_002982 | 368-374 | 7mer-1A |
| hsa-let-7g-3p | NM\_002982 | 368-374 | 7mer-1A |
| hsa-miR-493-5p | NM\_002982 | 368-374 | 7mer-1A |

**Supplemental Table 2. TargetScanHuman 7.2 predicted human *CCL3* targeting microRNAs**

|  |  |  |  |
| --- | --- | --- | --- |
| **Predicted miRNA** | **RefSeq #** | **Position in the 3'UTR** | **seed match** |
| hsa-miR-2861 | NM\_002983 | 18-24 | 7mer-1A |
| hsa-miR-6773-5p | NM\_002983 | 36-42 | 7mer-m8 |
| hsa-miR-6724-5p | NM\_002983 | 36-42 | 7mer-m8 |
| hsa-miR-296-5p | NM\_002983 | 36-42 | 7mer-1A |
| hsa-miR-4286 | NM\_002983 | 42-49 | 8mer |
| hsa-miR-6749-3p | NM\_002983 | 46-52 | 7mer-m8 |
| hsa-miR-4268 | NM\_002983 | 48-55 | 8mer |
| hsa-miR-4448 | NM\_002983 | 49-55 | 7mer-1A |
| hsa-miR-6772-3p | NM\_002983 | 49-55 | 7mer-m8 |
| hsa-miR-6893-3p | NM\_002983 | 52-58 | 7mer-1A |
| hsa-miR-370-3p | NM\_002983 | 52-58 | 7mer-1A |
| hsa-miR-1976 | NM\_002983 | 53-59 | 7mer-m8 |
| hsa-miR-484 | NM\_002983 | 57-64 | 8mer |
| hsa-miR-3155a | NM\_002983 | 57-64 | 8mer |
| hsa-miR-3155b | NM\_002983 | 57-64 | 8mer |
| hsa-miR-3934-3p | NM\_002983 | 60-66 | 7mer-m8 |
| hsa-miR-24-3p | NM\_002983 | 61-67 | 7mer-m8 |
| hsa-miR-6814-5p | NM\_002983 | 66-73 | 8mer |
| hsa-miR-642b-5p | NM\_002983 | 70-76 | 7mer-1A |
| hsa-miR-1193 | NM\_002983 | 82-88 | 7mer-m8 |
| hsa-miR-370-5p | NM\_002983 | 82-88 | 7mer-m8 |
| hsa-miR-3689d | NM\_002983 | 85-91 | 7mer-1A |
| hsa-miR-6851-5p | NM\_002983 | 85-91 | 7mer-1A |
| hsa-miR-7847-3p | NM\_002983 | 86-93 | 8mer |
| hsa-miR-7114-5p | NM\_002983 | 88-94 | 7mer-m8 |
| hsa-let-7b-5p | NM\_002983 | 95-101 | 7mer-m8 |
| hsa-miR-4458 | NM\_002983 | 95-101 | 7mer-m8 |
| hsa-let-7g-5p | NM\_002983 | 95-101 | 7mer-m8 |
| hsa-let-7i-5p | NM\_002983 | 95-101 | 7mer-m8 |
| hsa-let-7f-5p | NM\_002983 | 95-101 | 7mer-m8 |
| hsa-let-7c-5p | NM\_002983 | 95-101 | 7mer-m8 |
| hsa-let-7a-5p | NM\_002983 | 95-101 | 7mer-m8 |
| hsa-let-7d-5p | NM\_002983 | 95-101 | 7mer-m8 |
| hsa-miR-4500 | NM\_002983 | 95-101 | 7mer-m8 |
| hsa-miR-98-5p | NM\_002983 | 95-101 | 7mer-m8 |
| hsa-let-7e-5p | NM\_002983 | 95-101 | 7mer-m8 |
| hsa-miR-5197-3p | NM\_002983 | 99-106 | 8mer |
| hsa-miR-455-3p.1 | NM\_002983 | 107-113 | 7mer-m8 |
| hsa-miR-196a-3p | NM\_002983 | 116-123 | 8mer |
| hsa-miR-182-5p | NM\_002983 | 118-125 | 8mer |
| hsa-miR-1271-5p | NM\_002983 | 119-125 | 7mer-1A |
| hsa-miR-96-5p | NM\_002983 | 119-125 | 7mer-1A |
| hsa-miR-6740-5p | NM\_002983 | 121-127 | 7mer-1A |
| hsa-miR-4687-3p | NM\_002983 | 124-131 | 8mer |
| hsa-miR-7974 | NM\_002983 | 125-131 | 7mer-1A |
| hsa-miR-4474-3p | NM\_002983 | 127-133 | 7mer-m8 |
| hsa-miR-644a | NM\_002983 | 128-134 | 7mer-m8 |
| hsa-miR-4302 | NM\_002983 | 130-136 | 7mer-m8 |
| hsa-miR-216a-3p | NM\_002983 | 132-138 | 7mer-m8 |
| hsa-miR-128-3p | NM\_002983 | 132-138 | 7mer-m8 |
| hsa-miR-3681-3p | NM\_002983 | 132-138 | 7mer-m8 |
| hsa-miR-188-3p | NM\_002983 | 135-141 | 7mer-m8 |
| hsa-miR-4433a-5p | NM\_002983 | 136-142 | 7mer-m8 |
| hsa-miR-5588-3p | NM\_002983 | 137-143 | 7mer-m8 |
| hsa-miR-5197-3p | NM\_002983 | 142-148 | 7mer-m8 |
| hsa-miR-3653-3p | NM\_002983 | 144-151 | 8mer |
| hsa-miR-3658 | NM\_002983 | 145-151 | 7mer-m8 |
| hsa-miR-4282 | NM\_002983 | 155-162 | 8mer |
| hsa-miR-5692a | NM\_002983 | 165-171 | 7mer-1A |
| hsa-miR-3121-3p | NM\_002983 | 174-180 | 7mer-1A |
| hsa-miR-548ah-3p | NM\_002983 | 180-186 | 7mer-m8 |
| hsa-miR-548aq-3p | NM\_002983 | 180-186 | 7mer-m8 |
| hsa-miR-548x-3p | NM\_002983 | 180-186 | 7mer-m8 |
| hsa-miR-548ae-3p | NM\_002983 | 180-186 | 7mer-m8 |
| hsa-miR-548j-3p | NM\_002983 | 180-186 | 7mer-m8 |
| hsa-miR-548aj-3p | NM\_002983 | 180-186 | 7mer-m8 |
| hsa-miR-548am-3p | NM\_002983 | 180-186 | 7mer-m8 |
| hsa-miR-520d-5p | NM\_002983 | 184-190 | 7mer-1A |
| hsa-miR-524-5p | NM\_002983 | 184-190 | 7mer-1A |
| hsa-miR-603 | NM\_002983 | 208-214 | 7mer-m8 |
| hsa-miR-4719 | NM\_002983 | 214-220 | 7mer-1A |
| hsa-miR-4705 | NM\_002983 | 217-223 | 7mer-m8 |
| hsa-miR-6501-3p | NM\_002983 | 226-233 | 8mer |
| hsa-miR-4330 | NM\_002983 | 229-235 | 7mer-1A |
| hsa-miR-4680-5p | NM\_002983 | 233-239 | 7mer-m8 |
| hsa-miR-4471 | NM\_002983 | 235-241 | 7mer-m8 |
| hsa-miR-8059 | NM\_002983 | 235-241 | 7mer-m8 |
| hsa-miR-6783-5p | NM\_002983 | 237-243 | 7mer-m8 |
| hsa-miR-8089 | NM\_002983 | 238-250 | non-canonical |
| hsa-miR-8089 | NM\_002983 | 238-250 | non-canonical |
| hsa-miR-4728-5p | NM\_002983 | 247-253 | 7mer-m8 |
| hsa-miR-6785-5p | NM\_002983 | 247-253 | 7mer-m8 |
| hsa-miR-149-3p | NM\_002983 | 247-253 | 7mer-m8 |
| hsa-miR-6883-5p | NM\_002983 | 247-253 | 7mer-m8 |
| hsa-miR-6825-5p | NM\_002983 | 248-254 | 7mer-m8 |
| hsa-miR-7111-5p | NM\_002983 | 249-255 | 7mer-m8 |
| hsa-miR-6870-5p | NM\_002983 | 249-255 | 7mer-m8 |
| hsa-miR-4723-5p | NM\_002983 | 249-255 | 7mer-m8 |
| hsa-miR-5698 | NM\_002983 | 249-255 | 7mer-m8 |
| hsa-miR-4716-3p | NM\_002983 | 250-256 | 7mer-m8 |
| hsa-miR-6794-5p | NM\_002983 | 250-256 | 7mer-m8 |
| hsa-miR-3179 | NM\_002983 | 252-258 | 7mer-m8 |
| hsa-miR-3202 | NM\_002983 | 253-259 | 7mer-m8 |
| hsa-miR-5196-5p | NM\_002983 | 254-260 | 7mer-m8 |
| hsa-miR-4747-5p | NM\_002983 | 254-260 | 7mer-m8 |
| hsa-miR-9500 | NM\_002983 | 255-261 | 7mer-m8 |
| hsa-miR-6834-5p | NM\_002983 | 257-263 | 7mer-m8 |
| hsa-miR-6875-5p | NM\_002983 | 257-263 | 7mer-1A |
| hsa-miR-6127 | NM\_002983 | 257-263 | 7mer-1A |
| hsa-miR-3126-5p | NM\_002983 | 257-263 | 7mer-1A |
| hsa-miR-6133 | NM\_002983 | 257-263 | 7mer-1A |
| hsa-miR-4510 | NM\_002983 | 257-263 | 7mer-1A |
| hsa-miR-6129 | NM\_002983 | 257-263 | 7mer-1A |
| hsa-miR-6130 | NM\_002983 | 257-263 | 7mer-1A |
| hsa-miR-4419a | NM\_002983 | 257-263 | 7mer-1A |
| hsa-miR-1294 | NM\_002983 | 259-265 | 7mer-1A |
| hsa-miR-4316 | NM\_002983 | 259-265 | 7mer-1A |
| hsa-miR-4733-3p | NM\_002983 | 272-278 | 7mer-1A |
| hsa-miR-1226-3p | NM\_002983 | 272-278 | 7mer-1A |
| hsa-miR-6879-3p | NM\_002983 | 274-280 | 7mer-1A |
| hsa-miR-6755-3p | NM\_002983 | 276-282 | 7mer-m8 |
| hsa-miR-323b-5p | NM\_002983 | 277-283 | 7mer-m8 |
| hsa-miR-410-5p | NM\_002983 | 277-283 | 7mer-m8 |
| hsa-miR-494-5p | NM\_002983 | 277-283 | 7mer-m8 |
| hsa-miR-4691-3p | NM\_002983 | 286-292 | 7mer-m8 |
| hsa-miR-2277-3p | NM\_002983 | 289-295 | 7mer-1A |
| hsa-miR-4502 | NM\_002983 | 293-299 | 7mer-m8 |
| hsa-miR-8075 | NM\_002983 | 294-300 | 7mer-m8 |
| hsa-miR-3929 | NM\_002983 | 296-302 | 7mer-m8 |
| hsa-miR-4478 | NM\_002983 | 296-302 | 7mer-m8 |
| hsa-miR-4419b | NM\_002983 | 296-302 | 7mer-m8 |
| hsa-miR-4438 | NM\_002983 | 298-304 | 7mer-m8 |
| hsa-miR-6768-5p | NM\_002983 | 300-307 | 8mer |
| hsa-miR-4672 | NM\_002983 | 301-307 | 7mer-m8 |
| hsa-miR-24-1-5p | NM\_002983 | 305-311 | 7mer-1A |
| hsa-miR-24-2-5p | NM\_002983 | 305-311 | 7mer-1A |
| hsa-miR-5002-3p | NM\_002983 | 308-315 | 8mer |
| hsa-miR-4659b-5p | NM\_002983 | 314-320 | 7mer-m8 |
| hsa-miR-4659a-5p | NM\_002983 | 314-320 | 7mer-m8 |
| hsa-miR-9-5p | NM\_002983 | 320-326 | 7mer-m8 |
| hsa-miR-3119 | NM\_002983 | 323-329 | 7mer-1A |
| hsa-miR-4456 | NM\_002983 | 327-334 | 8mer |
| hsa-miR-4299 | NM\_002983 | 328-334 | 7mer-1A |
| hsa-miR-7978 | NM\_002983 | 328-334 | 7mer-1A |
| hsa-miR-548q | NM\_002983 | 328-334 | 7mer-1A |
| hsa-miR-622 | NM\_002983 | 331-338 | 8mer |
| hsa-miR-223-3p | NM\_002983 | 334-340 | 7mer-1A |
| hsa-miR-4697-3p | NM\_002983 | 334-340 | 7mer-1A |
| hsa-miR-4789-3p | NM\_002983 | 342-348 | 7mer-1A |
| hsa-miR-466 | NM\_002983 | 342-348 | 7mer-m8 |
| hsa-miR-4643 | NM\_002983 | 342-348 | 7mer-1A |
| hsa-miR-4422 | NM\_002983 | 353-359 | 7mer-m8 |
| hsa-miR-548e-5p | NM\_002983 | 354-360 | 7mer-m8 |
| hsa-miR-345-3p | NM\_002983 | 362-368 | 7mer-m8 |
| hsa-miR-7976 | NM\_002983 | 363-369 | 7mer-m8 |
| hsa-miR-6779-3p | NM\_002983 | 364-370 | 7mer-m8 |
| hsa-miR-6856-3p | NM\_002983 | 366-372 | 7mer-m8 |
| hsa-miR-2355-5p | NM\_002983 | 380-387 | 8mer |
| hsa-miR-3679-3p | NM\_002983 | 382-388 | 7mer-1A |
| hsa-miR-4795-3p | NM\_002983 | 387-394 | 8mer |
| hsa-miR-126-5p | NM\_002983 | 387-393 | 7mer-1A |
| hsa-miR-1276 | NM\_002983 | 399-405 | 7mer-m8 |
| hsa-miR-6782-3p | NM\_002983 | 408-414 | 7mer-1A |
| hsa-miR-4724-3p | NM\_002983 | 409-415 | 7mer-1A |

**Supplemental Table 3. TargetScanHuman 7.2 predicted human *CCL5* targeting microRNAs**

|  |  |  |  |
| --- | --- | --- | --- |
| **Predicted miRNA** | **RefSeq #** | **Position in the 3'UTR** | **seed match** |
| hsa-miR-5000-5p | NM\_002985 | 19-25 | 7mer-m8 |
| hsa-miR-148a-5p | NM\_002985 | 21-27 | 7mer-1A |
| hsa-miR-5010-3p | NM\_002985 | 27-33 | 7mer-m8 |
| hsa-miR-4742-5p | NM\_002985 | 35-41 | 7mer-m8 |
| hsa-miR-335-5p | NM\_002985 | 51-57 | 7mer-m8 |
| hsa-miR-1197 | NM\_002985 | 56-62 | 7mer-1A |
| hsa-miR-6814-5p | NM\_002985 | 64-70 | 7mer-1A |
| hsa-miR-150-5p | NM\_002985 | 65-71 | 7mer-m8 |
| hsa-miR-6778-3p | NM\_002985 | 67-73 | 7mer-m8 |
| hsa-miR-7109-3p | NM\_002985 | 69-75 | 7mer-m8 |
| hsa-miR-671-5p | NM\_002985 | 71-77 | 7mer-m8 |
| hsa-miR-4725-3p | NM\_002985 | 73-79 | 7mer-m8 |
| hsa-miR-6780b-5p | NM\_002985 | 73-79 | 7mer-m8 |
| hsa-miR-4271 | NM\_002985 | 73-79 | 7mer-m8 |
| hsa-miR-6783-5p | NM\_002985 | 74-80 | 7mer-m8 |
| hsa-miR-6734-5p | NM\_002985 | 76-82 | 7mer-m8 |
| hsa-miR-6738-5p | NM\_002985 | 76-82 | 7mer-1A |
| hsa-miR-1914-3p | NM\_002985 | 76-82 | 7mer-1A |
| hsa-miR-5194 | NM\_002985 | 76-82 | 7mer-1A |
| hsa-miR-423-5p | NM\_002985 | 76-82 | 7mer-1A |
| hsa-miR-3184-5p | NM\_002985 | 76-82 | 7mer-1A |
| hsa-miR-921 | NM\_002985 | 79-85 | 7mer-m8 |
| hsa-miR-3174 | NM\_002985 | 79-85 | 7mer-1A |
| hsa-miR-6881-5p | NM\_002985 | 89-95 | 7mer-1A |
| hsa-miR-6742-5p | NM\_002985 | 90-96 | 7mer-m8 |
| hsa-miR-92a-2-5p | NM\_002985 | 91-97 | 7mer-m8 |
| hsa-miR-6766-5p | NM\_002985 | 92-98 | 7mer-m8 |
| hsa-miR-6756-5p | NM\_002985 | 92-98 | 7mer-m8 |
| hsa-miR-3656 | NM\_002985 | 94-100 | 7mer-m8 |
| hsa-miR-561-5p | NM\_002985 | 101-108 | 8mer |
| hsa-miR-6830-5p | NM\_002985 | 101-107 | 7mer-1A |
| hsa-miR-6886-3p | NM\_002985 | 106-112 | 7mer-m8 |
| hsa-miR-326 | NM\_002985 | 106-117 | non-canonical |
| hsa-miR-326 | NM\_002985 | 106-117 | non-canonical |
| hsa-miR-6851-3p | NM\_002985 | 107-113 | 7mer-m8 |
| hsa-miR-6724-5p | NM\_002985 | 109-115 | 7mer-m8 |
| hsa-miR-6773-5p | NM\_002985 | 109-115 | 7mer-m8 |
| hsa-miR-296-5p | NM\_002985 | 109-115 | 7mer-1A |
| hsa-miR-612 | NM\_002985 | 111-117 | 7mer-1A |
| hsa-miR-4486 | NM\_002985 | 111-117 | 7mer-1A |
| hsa-miR-5189-5p | NM\_002985 | 111-117 | 7mer-1A |
| hsa-miR-1285-3p | NM\_002985 | 111-117 | 7mer-1A |
| hsa-miR-3187-5p | NM\_002985 | 111-117 | 7mer-1A |
| hsa-miR-378g | NM\_002985 | 111-117 | 7mer-1A |
| hsa-miR-6860 | NM\_002985 | 111-117 | 7mer-1A |
| hsa-miR-1298-3p | NM\_002985 | 112-118 | 7mer-m8 |
| hsa-miR-4650-3p | NM\_002985 | 118-125 | 8mer |
| hsa-miR-3529-5p | NM\_002985 | 119-125 | 7mer-1A |
| hsa-miR-379-5p | NM\_002985 | 119-125 | 7mer-1A |
| hsa-miR-4451 | NM\_002985 | 119-125 | 7mer-1A |
| hsa-miR-4536-5p | NM\_002985 | 120-127 | 8mer |
| hsa-miR-147a | NM\_002985 | 123-129 | 7mer-m8 |
| hsa-miR-3911 | NM\_002985 | 123-129 | 7mer-1A |
| hsa-miR-644a | NM\_002985 | 123-129 | 7mer-1A |
| hsa-miR-329-5p | NM\_002985 | 142-148 | 7mer-m8 |
| hsa-miR-4747-5p | NM\_002985 | 146-152 | 7mer-m8 |
| hsa-miR-5196-5p | NM\_002985 | 146-152 | 7mer-m8 |
| hsa-miR-6780b-5p | NM\_002985 | 147-154 | 8mer |
| hsa-miR-4271 | NM\_002985 | 147-154 | 8mer |
| hsa-miR-4725-3p | NM\_002985 | 147-154 | 8mer |
| hsa-miR-2110 | NM\_002985 | 148-154 | 7mer-m8 |
| hsa-miR-4700-5p | NM\_002985 | 149-155 | 7mer-m8 |
| hsa-miR-4667-5p | NM\_002985 | 149-155 | 7mer-m8 |
| hsa-miR-8089 | NM\_002985 | 149-155 | 7mer-m8 |
| hsa-miR-6852-5p | NM\_002985 | 150-156 | 7mer-m8 |
| hsa-miR-661 | NM\_002985 | 151-157 | 7mer-m8 |
| hsa-miR-6849-3p | NM\_002985 | 154-161 | 8mer |
| hsa-miR-6720-5p | NM\_002985 | 155-161 | 7mer-m8 |
| hsa-miR-6512-3p | NM\_002985 | 155-161 | 7mer-m8 |
| hsa-miR-6807-5p | NM\_002985 | 167-173 | 7mer-m8 |
| hsa-miR-5095 | NM\_002985 | 175-182 | 8mer |
| hsa-miR-7151-3p | NM\_002985 | 175-182 | 8mer |
| hsa-miR-4438 | NM\_002985 | 175-181 | 7mer-1A |
| hsa-miR-6504-3p | NM\_002985 | 177-183 | 7mer-m8 |
| hsa-miR-5089-5p | NM\_002985 | 181-187 | 7mer-m8 |
| hsa-miR-619-5p | NM\_002985 | 182-188 | 7mer-m8 |
| hsa-miR-6506-5p | NM\_002985 | 182-188 | 7mer-m8 |
| hsa-miR-5589-5p | NM\_002985 | 184-190 | 7mer-1A |
| hsa-miR-4731-5p | NM\_002985 | 184-190 | 7mer-1A |
| hsa-miR-512-3p | NM\_002985 | 186-192 | 7mer-m8 |
| hsa-miR-520c-3p | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-520b | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-372-3p | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-302b-3p | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-302a-3p | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-373-3p | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-302c-3p.1 | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-302d-3p | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-520e | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-302e | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-520d-3p | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-520a-3p | NM\_002985 | 187-193 | 7mer-m8 |
| hsa-miR-20a-5p | NM\_002985 | 188-194 | 7mer-m8 |
| hsa-miR-106a-5p | NM\_002985 | 188-194 | 7mer-m8 |
| hsa-miR-17-5p | NM\_002985 | 188-194 | 7mer-m8 |
| hsa-miR-519d-3p | NM\_002985 | 188-194 | 7mer-m8 |
| hsa-miR-93-5p | NM\_002985 | 188-194 | 7mer-m8 |
| hsa-miR-106b-5p | NM\_002985 | 188-194 | 7mer-m8 |
| hsa-miR-20b-5p | NM\_002985 | 188-194 | 7mer-m8 |
| hsa-miR-526b-3p | NM\_002985 | 188-194 | 7mer-m8 |
| hsa-miR-520g-3p | NM\_002985 | 189-195 | 7mer-m8 |
| hsa-miR-520h | NM\_002985 | 189-195 | 7mer-m8 |
| hsa-miR-186-3p | NM\_002985 | 191-198 | 8mer |
| hsa-miR-150-5p | NM\_002985 | 193-199 | 7mer-m8 |
| hsa-miR-6778-3p | NM\_002985 | 195-201 | 7mer-m8 |
| hsa-miR-6878-3p | NM\_002985 | 197-204 | 8mer |
| hsa-miR-4757-5p | NM\_002985 | 197-203 | 7mer-1A |
| hsa-miR-6744-3p | NM\_002985 | 197-203 | 7mer-1A |
| hsa-miR-212-5p | NM\_002985 | 200-206 | 7mer-m8 |
| hsa-miR-6813-3p | NM\_002985 | 201-207 | 7mer-m8 |
| hsa-miR-1224-3p | NM\_002985 | 204-210 | 7mer-m8 |
| hsa-miR-640 | NM\_002985 | 211-217 | 7mer-m8 |
| hsa-miR-1245a | NM\_002985 | 213-219 | 7mer-m8 |
| hsa-miR-8079 | NM\_002985 | 213-219 | 7mer-m8 |
| hsa-miR-6513-3p | NM\_002985 | 216-222 | 7mer-1A |
| hsa-miR-6790-3p | NM\_002985 | 221-227 | 7mer-1A |
| hsa-miR-6821-3p | NM\_002985 | 221-227 | 7mer-1A |
| hsa-miR-378a-5p | NM\_002985 | 224-230 | 7mer-m8 |
| hsa-miR-3653-5p | NM\_002985 | 225-231 | 7mer-m8 |
| hsa-miR-6843-3p | NM\_002985 | 235-241 | 7mer-m8 |
| hsa-miR-6848-3p | NM\_002985 | 235-241 | 7mer-m8 |
| hsa-miR-3663-5p | NM\_002985 | 236-242 | 7mer-m8 |
| hsa-miR-6131 | NM\_002985 | 237-243 | 7mer-m8 |
| hsa-miR-4755-3p | NM\_002985 | 242-248 | 7mer-m8 |
| hsa-miR-4435 | NM\_002985 | 244-251 | 8mer |
| hsa-miR-3187-3p | NM\_002985 | 245-251 | 7mer-1A |
| hsa-miR-548s | NM\_002985 | 245-251 | 7mer-1A |
| hsa-miR-588 | NM\_002985 | 245-251 | 7mer-1A |
| hsa-miR-4701-5p | NM\_002985 | 245-251 | 7mer-1A |
| hsa-miR-4781-3p | NM\_002985 | 248-254 | 7mer-m8 |
| hsa-miR-96-3p | NM\_002985 | 251-257 | 7mer-m8 |
| hsa-miR-193b-5p | NM\_002985 | 259-266 | 8mer |
| hsa-miR-3170 | NM\_002985 | 260-266 | 7mer-m8 |
| hsa-miR-6855-5p | NM\_002985 | 260-266 | 7mer-m8 |
| hsa-miR-6890-5p | NM\_002985 | 261-267 | 7mer-m8 |
| hsa-miR-1273f | NM\_002985 | 264-270 | 7mer-m8 |
| hsa-miR-6832-5p | NM\_002985 | 267-273 | 7mer-m8 |
| hsa-miR-411-5p.2 | NM\_002985 | 269-276 | 8mer |
| hsa-miR-411-5p.1 | NM\_002985 | 269-275 | 7mer-1A |
| hsa-miR-3149 | NM\_002985 | 279-285 | 7mer-1A |
| hsa-miR-129-5p | NM\_002985 | 282-288 | 7mer-1A |
| hsa-miR-590-3p | NM\_002985 | 285-291 | 7mer-1A |
| hsa-miR-4775 | NM\_002985 | 285-291 | 7mer-m8 |
| hsa-miR-4735-5p | NM\_002985 | 286-292 | 7mer-m8 |
| hsa-miR-6789-3p | NM\_002985 | 307-313 | 7mer-m8 |
| hsa-miR-5095 | NM\_002985 | 311-317 | 7mer-m8 |
| hsa-miR-4438 | NM\_002985 | 311-317 | 7mer-1A |
| hsa-miR-7151-3p | NM\_002985 | 311-317 | 7mer-m8 |
| hsa-miR-365a-5p | NM\_002985 | 317-323 | 7mer-1A |
| hsa-miR-365b-5p | NM\_002985 | 317-323 | 7mer-1A |
| hsa-miR-8052 | NM\_002985 | 317-323 | 7mer-1A |
| hsa-miR-3199 | NM\_002985 | 317-323 | 7mer-1A |
| hsa-miR-4740-3p | NM\_002985 | 328-334 | 7mer-1A |
| hsa-miR-6778-3p | NM\_002985 | 331-337 | 7mer-m8 |
| hsa-miR-6747-3p | NM\_002985 | 340-347 | 8mer |
| hsa-miR-4722-3p | NM\_002985 | 341-347 | 7mer-1A |
| hsa-miR-6727-3p | NM\_002985 | 341-347 | 7mer-1A |
| hsa-miR-1976 | NM\_002985 | 342-349 | 8mer |
| hsa-miR-3653-5p | NM\_002985 | 343-349 | 7mer-1A |
| hsa-miR-4279 | NM\_002985 | 344-350 | 7mer-1A |
| hsa-miR-122-3p | NM\_002985 | 350-356 | 7mer-m8 |
| hsa-miR-1247-3p | NM\_002985 | 360-366 | 7mer-1A |
| hsa-miR-4532 | NM\_002985 | 360-366 | 7mer-1A |
| hsa-miR-6778-3p | NM\_002985 | 363-369 | 7mer-m8 |
| hsa-miR-1281 | NM\_002985 | 364-370 | 7mer-m8 |
| hsa-miR-4485-5p | NM\_002985 | 366-372 | 7mer-1A |
| hsa-miR-2276-3p | NM\_002985 | 374-380 | 7mer-m8 |
| hsa-miR-6890-3p | NM\_002985 | 377-383 | 7mer-1A |
| hsa-miR-1304-3p | NM\_002985 | 378-384 | 7mer-m8 |
| hsa-miR-4284 | NM\_002985 | 380-386 | 7mer-m8 |
| hsa-miR-6741-3p | NM\_002985 | 382-388 | 7mer-1A |
| hsa-miR-4638-5p | NM\_002985 | 383-390 | 8mer |
| hsa-miR-1307-3p | NM\_002985 | 384-390 | 7mer-1A |
| hsa-miR-4634 | NM\_002985 | 391-398 | 8mer |
| hsa-miR-5693 | NM\_002985 | 395-401 | 7mer-m8 |
| hsa-miR-6499-3p | NM\_002985 | 397-403 | 7mer-1A |
| hsa-miR-5698 | NM\_002985 | 397-408 | non-canonical |
| hsa-miR-5698 | NM\_002985 | 397-408 | non-canonical |
| hsa-miR-143-5p | NM\_002985 | 398-404 | 7mer-m8 |
| hsa-miR-504-3p | NM\_002985 | 401-408 | 8mer |
| hsa-miR-122-5p | NM\_002985 | 402-408 | 7mer-1A |
| hsa-miR-3135b | NM\_002985 | 404-410 | 7mer-m8 |
| hsa-miR-3652 | NM\_002985 | 405-411 | 7mer-m8 |
| hsa-miR-4430 | NM\_002985 | 405-411 | 7mer-m8 |
| hsa-miR-6812-3p | NM\_002985 | 420-426 | 7mer-1A |
| hsa-miR-4294 | NM\_002985 | 426-432 | 7mer-m8 |
| hsa-miR-6864-3p | NM\_002985 | 433-439 | 7mer-1A |
| hsa-miR-3672 | NM\_002985 | 433-439 | 7mer-1A |
| hsa-miR-8055 | NM\_002985 | 435-441 | 7mer-1A |
| hsa-miR-129-5p | NM\_002985 | 437-443 | 7mer-1A |
| hsa-miR-3149 | NM\_002985 | 460-466 | 7mer-1A |
| hsa-miR-590-3p | NM\_002985 | 465-471 | 7mer-1A |
| hsa-miR-4775 | NM\_002985 | 465-471 | 7mer-m8 |
| hsa-miR-4735-5p | NM\_002985 | 466-472 | 7mer-m8 |
| hsa-miR-6508-3p | NM\_002985 | 483-489 | 7mer-1A |
| hsa-miR-4726-5p | NM\_002985 | 483-489 | 7mer-1A |
| hsa-miR-4640-5p | NM\_002985 | 483-489 | 7mer-1A |
| hsa-miR-6853-5p | NM\_002985 | 486-492 | 7mer-m8 |
| hsa-miR-7151-3p | NM\_002985 | 491-498 | 8mer |
| hsa-miR-5095 | NM\_002985 | 491-498 | 8mer |
| hsa-miR-4438 | NM\_002985 | 491-497 | 7mer-1A |
| hsa-miR-6504-3p | NM\_002985 | 493-499 | 7mer-m8 |
| hsa-miR-5089-5p | NM\_002985 | 497-503 | 7mer-m8 |
| hsa-miR-619-5p | NM\_002985 | 498-504 | 7mer-m8 |
| hsa-miR-6506-5p | NM\_002985 | 498-504 | 7mer-m8 |
| hsa-miR-4740-3p | NM\_002985 | 508-514 | 7mer-1A |
| hsa-miR-6778-3p | NM\_002985 | 511-517 | 7mer-m8 |
| hsa-miR-6877-3p | NM\_002985 | 513-519 | 7mer-1A |
| hsa-miR-6819-3p | NM\_002985 | 513-519 | 7mer-1A |
| hsa-miR-6747-3p | NM\_002985 | 520-527 | 8mer |
| hsa-miR-4722-3p | NM\_002985 | 521-527 | 7mer-1A |
| hsa-miR-6727-3p | NM\_002985 | 521-527 | 7mer-1A |
| hsa-miR-3074-5p | NM\_002985 | 522-529 | 8mer |
| hsa-miR-7152-5p | NM\_002985 | 523-529 | 7mer-1A |
| hsa-miR-6715b-3p | NM\_002985 | 533-539 | 7mer-1A |
| hsa-miR-23a-5p | NM\_002985 | 537-543 | 7mer-1A |
| hsa-miR-23b-5p | NM\_002985 | 537-543 | 7mer-1A |
| hsa-miR-6742-3p | NM\_002985 | 539-546 | 8mer |
| hsa-miR-6783-3p | NM\_002985 | 540-546 | 7mer-m8 |
| hsa-miR-1343-3p | NM\_002985 | 540-546 | 7mer-m8 |
| hsa-miR-6852-5p | NM\_002985 | 540-546 | 7mer-1A |
| hsa-miR-939-3p | NM\_002985 | 540-546 | 7mer-1A |
| hsa-miR-660-3p | NM\_002985 | 542-548 | 7mer-m8 |
| hsa-miR-1306-5p | NM\_002985 | 544-550 | 7mer-m8 |
| hsa-miR-7156-3p | NM\_002985 | 553-559 | 7mer-m8 |
| hsa-miR-1184 | NM\_002985 | 554-560 | 7mer-m8 |
| hsa-miR-509-3-5p | NM\_002985 | 555-561 | 7mer-m8 |
| hsa-miR-4418 | NM\_002985 | 555-561 | 7mer-m8 |
| hsa-miR-509-5p | NM\_002985 | 555-561 | 7mer-m8 |
| hsa-miR-6890-3p | NM\_002985 | 557-563 | 7mer-1A |
| hsa-miR-1304-3p | NM\_002985 | 558-564 | 7mer-m8 |
| hsa-miR-6736-3p | NM\_002985 | 562-568 | 7mer-1A |
| hsa-miR-6787-3p | NM\_002985 | 563-570 | 8mer |
| hsa-miR-216a-5p | NM\_002985 | 566-572 | 7mer-m8 |
| hsa-miR-891a-3p | NM\_002985 | 573-579 | 7mer-m8 |
| hsa-miR-4795-5p | NM\_002985 | 576-583 | 8mer |
| hsa-miR-573 | NM\_002985 | 577-583 | 7mer-m8 |
| hsa-miR-3616-5p | NM\_002985 | 577-583 | 7mer-m8 |
| hsa-miR-122-5p | NM\_002985 | 582-588 | 7mer-1A |
| hsa-miR-504-3p | NM\_002985 | 582-588 | 7mer-1A |
| hsa-miR-3135b | NM\_002985 | 584-590 | 7mer-m8 |
| hsa-miR-3652 | NM\_002985 | 585-591 | 7mer-m8 |
| hsa-miR-4430 | NM\_002985 | 585-591 | 7mer-m8 |
| hsa-miR-500b-3p | NM\_002985 | 591-598 | 8mer |
| hsa-miR-6879-3p | NM\_002985 | 593-600 | 8mer |
| hsa-miR-1304-3p | NM\_002985 | 602-608 | 7mer-1A |
| hsa-miR-4294 | NM\_002985 | 606-612 | 7mer-m8 |
| hsa-miR-758-3p | NM\_002985 | 613-619 | 7mer-m8 |
| hsa-miR-6808-3p | NM\_002985 | 613-619 | 7mer-1A |
| hsa-miR-208a-5p | NM\_002985 | 631-637 | 7mer-m8 |
| hsa-miR-208b-5p | NM\_002985 | 631-637 | 7mer-m8 |
| hsa-miR-6780b-5p | NM\_002985 | 636-643 | 8mer |
| hsa-miR-4725-3p | NM\_002985 | 636-643 | 8mer |
| hsa-miR-4271 | NM\_002985 | 636-643 | 8mer |
| hsa-miR-2110 | NM\_002985 | 637-644 | 8mer |
| hsa-miR-450a-2-3p | NM\_002985 | 638-644 | 7mer-m8 |
| hsa-miR-6857-5p | NM\_002985 | 638-644 | 7mer-1A |
| hsa-miR-6763-5p | NM\_002985 | 638-644 | 7mer-1A |
| hsa-miR-3150a-3p | NM\_002985 | 638-644 | 7mer-1A |
| hsa-miR-6810-5p | NM\_002985 | 638-644 | 7mer-1A |
| hsa-miR-4259 | NM\_002985 | 640-647 | 8mer |
| hsa-miR-4715-5p | NM\_002985 | 641-647 | 7mer-1A |
| hsa-miR-645 | NM\_002985 | 649-656 | 8mer |
| hsa-miR-6796-3p | NM\_002985 | 657-663 | 7mer-m8 |
| hsa-miR-6806-3p | NM\_002985 | 658-664 | 7mer-m8 |
| hsa-miR-3928-5p | NM\_002985 | 658-664 | 7mer-m8 |
| hsa-miR-668-5p | NM\_002985 | 666-672 | 7mer-m8 |
| hsa-miR-503-5p | NM\_002985 | 670-676 | 7mer-m8 |
| hsa-miR-330-3p | NM\_002985 | 673-679 | 7mer-m8 |
| hsa-miR-514a-3p | NM\_002985 | 678-684 | 7mer-1A |
| hsa-miR-514b-3p | NM\_002985 | 678-684 | 7mer-1A |
| hsa-miR-617 | NM\_002985 | 686-692 | 7mer-m8 |
| hsa-miR-589-3p | NM\_002985 | 698-704 | 7mer-1A |
| hsa-miR-6854-5p | NM\_002985 | 701-707 | 7mer-m8 |
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| hsa-miR-4435 | NM\_002985 | 702-713 | non-canonical |
| hsa-miR-4435 | NM\_002985 | 702-713 | non-canonical |
| hsa-miR-4470 | NM\_002985 | 724-730 | 7mer-1A |
| hsa-miR-3128 | NM\_002985 | 725-731 | 7mer-m8 |
| hsa-miR-8073 | NM\_002985 | 726-732 | 7mer-m8 |
| hsa-miR-221-5p | NM\_002985 | 726-732 | 7mer-m8 |
| hsa-miR-6779-3p | NM\_002985 | 729-735 | 7mer-m8 |
| hsa-miR-1233-3p | NM\_002985 | 730-736 | 7mer-m8 |
| hsa-miR-5587-5p | NM\_002985 | 738-744 | 7mer-m8 |
| hsa-miR-1343-3p | NM\_002985 | 742-748 | 7mer-1A |
| hsa-miR-6783-3p | NM\_002985 | 742-748 | 7mer-1A |
| hsa-miR-3667-3p | NM\_002985 | 744-751 | 8mer |
| hsa-miR-6734-3p | NM\_002985 | 745-751 | 7mer-1A |
| hsa-miR-6868-3p | NM\_002985 | 746-752 | 7mer-1A |
| hsa-miR-617 | NM\_002985 | 749-756 | 8mer |
| hsa-miR-6505-3p | NM\_002985 | 750-756 | 7mer-1A |
| hsa-miR-628-5p | NM\_002985 | 753-759 | 7mer-m8 |
| hsa-miR-4728-3p | NM\_002985 | 754-760 | 7mer-m8 |
| hsa-miR-6866-5p | NM\_002985 | 761-767 | 7mer-m8 |
| hsa-miR-520g-5p | NM\_002985 | 762-769 | 8mer |
| hsa-miR-519a-5p | NM\_002985 | 763-769 | 7mer-m8 |
| hsa-miR-518f-5p | NM\_002985 | 763-769 | 7mer-m8 |
| hsa-miR-520c-5p | NM\_002985 | 763-769 | 7mer-m8 |
| hsa-miR-522-5p | NM\_002985 | 763-769 | 7mer-m8 |
| hsa-miR-526a | NM\_002985 | 763-769 | 7mer-m8 |
| hsa-miR-519c-5p | NM\_002985 | 763-769 | 7mer-m8 |
| hsa-miR-518d-5p | NM\_002985 | 763-769 | 7mer-m8 |
| hsa-miR-523-5p | NM\_002985 | 763-769 | 7mer-m8 |
| hsa-miR-518e-5p | NM\_002985 | 763-769 | 7mer-m8 |
| hsa-miR-519b-5p | NM\_002985 | 763-769 | 7mer-m8 |
| hsa-miR-517-5p | NM\_002985 | 764-770 | 7mer-m8 |
| hsa-miR-2682-3p | NM\_002985 | 767-773 | 7mer-1A |
| hsa-miR-6781-3p | NM\_002985 | 767-773 | 7mer-1A |
| hsa-miR-6836-3p | NM\_002985 | 768-774 | 7mer-1A |
| hsa-miR-3152-5p | NM\_002985 | 768-774 | 7mer-m8 |
| hsa-miR-1915-5p | NM\_002985 | 770-777 | 8mer |
| hsa-miR-502-5p | NM\_002985 | 771-777 | 7mer-m8 |
| hsa-miR-6841-3p | NM\_002985 | 771-777 | 7mer-1A |
| hsa-miR-4667-3p | NM\_002985 | 774-780 | 7mer-m8 |
| hsa-miR-6887-3p | NM\_002985 | 775-782 | 8mer |
| hsa-miR-6795-3p | NM\_002985 | 776-782 | 7mer-1A |
| hsa-miR-6826-3p | NM\_002985 | 776-782 | 7mer-m8 |
| hsa-miR-6749-3p | NM\_002985 | 779-786 | 8mer |
| hsa-miR-6792-3p | NM\_002985 | 780-786 | 7mer-1A |
| hsa-miR-4691-5p | NM\_002985 | 780-786 | 7mer-1A |
| hsa-miR-4326 | NM\_002985 | 781-788 | 8mer |
| hsa-miR-4255 | NM\_002985 | 784-790 | 7mer-m8 |
| hsa-miR-6499-3p | NM\_002985 | 786-793 | 8mer |
| hsa-miR-143-5p | NM\_002985 | 788-794 | 7mer-m8 |
| hsa-miR-4720-3p | NM\_002985 | 796-802 | 7mer-m8 |
| hsa-miR-3672 | NM\_002985 | 810-816 | 7mer-1A |
| hsa-miR-6864-3p | NM\_002985 | 810-816 | 7mer-1A |
| hsa-miR-1914-3p | NM\_002985 | 816-823 | 8mer |
| hsa-miR-6738-5p | NM\_002985 | 816-823 | 8mer |
| hsa-miR-5194 | NM\_002985 | 816-823 | 8mer |
| hsa-miR-6734-5p | NM\_002985 | 817-823 | 7mer-m8 |
| hsa-miR-3184-5p | NM\_002985 | 817-823 | 7mer-1A |
| hsa-miR-423-5p | NM\_002985 | 817-823 | 7mer-1A |
| hsa-miR-1294 | NM\_002985 | 819-825 | 7mer-1A |
| hsa-miR-4316 | NM\_002985 | 819-825 | 7mer-1A |
| hsa-miR-4677-3p | NM\_002985 | 820-826 | 7mer-m8 |
| hsa-miR-1914-5p | NM\_002985 | 822-828 | 7mer-1A |
| hsa-miR-99b-3p | NM\_002985 | 827-833 | 7mer-1A |
| hsa-miR-99a-3p | NM\_002985 | 827-833 | 7mer-1A |
| hsa-miR-6796-3p | NM\_002985 | 827-833 | 7mer-1A |
| hsa-miR-3972 | NM\_002985 | 834-840 | 7mer-1A |
| hsa-miR-5006-5p | NM\_002985 | 834-840 | 7mer-1A |
| hsa-miR-1202 | NM\_002985 | 834-840 | 7mer-1A |
| hsa-miR-4776-3p | NM\_002985 | 835-841 | 7mer-1A |
| hsa-miR-6516-3p | NM\_002985 | 841-847 | 7mer-1A |
| hsa-miR-335-3p | NM\_002985 | 843-850 | 8mer |
| hsa-miR-146a-5p | NM\_002985 | 866-873 | 8mer |
| hsa-miR-146b-5p | NM\_002985 | 866-873 | 8mer |
| hsa-miR-7153-5p | NM\_002985 | 866-873 | 8mer |
| hsa-miR-589-5p | NM\_002985 | 867-873 | 7mer-1A |
| hsa-miR-580-3p | NM\_002985 | 868-874 | 7mer-1A |
| hsa-miR-4461 | NM\_002985 | 869-875 | 7mer-m8 |
| hsa-miR-33a-5p | NM\_002985 | 872-879 | 8mer |
| hsa-miR-33b-5p | NM\_002985 | 872-879 | 8mer |
| hsa-miR-656-5p | NM\_002985 | 876-882 | 7mer-1A |
| hsa-miR-758-5p | NM\_002985 | 877-884 | 8mer |
| hsa-miR-584-5p | NM\_002985 | 878-885 | 8mer |
| hsa-miR-218-2-3p | NM\_002985 | 878-884 | 7mer-1A |

**Supplemental Table 4. TargetScanHuman 7.2 predicted human *CXCL8* targeting microRNAs**

|  |  |  |  |
| --- | --- | --- | --- |
| **Predicted miRNA** | **RefSeq #** | **Position in the 3'UTR** | **seed match** |
| hsa-miR-140-3p.2 | NM\_000584 | 15-21 | 7mer-1A |
| hsa-miR-1261 | NM\_000584 | 20-26 | 7mer-1A |
| hsa-miR-432-5p | NM\_000584 | 22-28 | 7mer-1A |
| hsa-miR-181b-2-3p | NM\_000584 | 30-37 | 8mer |
| hsa-miR-4420 | NM\_000584 | 30-37 | 8mer |
| hsa-miR-181b-3p | NM\_000584 | 30-37 | 8mer |
| hsa-miR-653-3p | NM\_000584 | 31-37 | 7mer-1A |
| hsa-miR-6837-3p | NM\_000584 | 32-39 | 8mer |
| hsa-miR-6754-3p | NM\_000584 | 33-39 | 7mer-1A |
| hsa-miR-412-3p | NM\_000584 | 33-39 | 7mer-1A |
| hsa-miR-4642 | NM\_000584 | 38-44 | 7mer-m8 |
| hsa-miR-5588-5p | NM\_000584 | 39-45 | 7mer-m8 |
| hsa-miR-4799-3p | NM\_000584 | 39-45 | 7mer-m8 |
| hsa-miR-4720-5p | NM\_000584 | 39-45 | 7mer-m8 |
| hsa-miR-653-3p | NM\_000584 | 42-49 | 8mer |
| hsa-miR-4420 | NM\_000584 | 43-49 | 7mer-1A |
| hsa-miR-181b-3p | NM\_000584 | 43-49 | 7mer-1A |
| hsa-miR-181b-2-3p | NM\_000584 | 43-49 | 7mer-1A |
| hsa-miR-4670-3p | NM\_000584 | 49-55 | 7mer-1A |
| hsa-miR-3616-5p | NM\_000584 | 50-56 | 7mer-1A |
| hsa-miR-573 | NM\_000584 | 50-56 | 7mer-1A |
| hsa-miR-4635 | NM\_000584 | 51-57 | 7mer-m8 |
| hsa-miR-1273e | NM\_000584 | 53-60 | 8mer |
| hsa-miR-6885-3p | NM\_000584 | 55-61 | 7mer-m8 |
| hsa-miR-376a-2-5p | NM\_000584 | 60-66 | 7mer-m8 |
| hsa-miR-548ax | NM\_000584 | 64-70 | 7mer-1A |
| hsa-miR-548ao-5p | NM\_000584 | 64-70 | 7mer-1A |
| hsa-miR-5585-5p | NM\_000584 | 64-70 | 7mer-1A |
| hsa-miR-3616-5p | NM\_000584 | 65-71 | 7mer-1A |
| hsa-miR-573 | NM\_000584 | 65-71 | 7mer-1A |
| hsa-miR-3616-5p | NM\_000584 | 72-78 | 7mer-m8 |
| hsa-miR-573 | NM\_000584 | 72-78 | 7mer-m8 |
| hsa-miR-4795-5p | NM\_000584 | 72-78 | 7mer-1A |
| hsa-miR-8060 | NM\_000584 | 74-80 | 7mer-m8 |
| hsa-miR-7114-3p | NM\_000584 | 87-93 | 7mer-m8 |
| hsa-miR-1180-5p | NM\_000584 | 87-93 | 7mer-m8 |
| hsa-miR-3529-3p | NM\_000584 | 94-100 | 7mer-1A |
| hsa-miR-652-5p | NM\_000584 | 99-105 | 7mer-m8 |
| hsa-miR-196a-3p | NM\_000584 | 103-109 | 7mer-1A |
| hsa-miR-3128 | NM\_000584 | 104-111 | 8mer |
| hsa-miR-4799-3p | NM\_000584 | 105-111 | 7mer-1A |
| hsa-miR-4720-5p | NM\_000584 | 105-111 | 7mer-1A |
| hsa-miR-5588-5p | NM\_000584 | 105-111 | 7mer-1A |
| hsa-miR-6868-5p | NM\_000584 | 105-111 | 7mer-1A |
| hsa-miR-3126-3p | NM\_000584 | 106-112 | 7mer-m8 |
| hsa-miR-367-3p | NM\_000584 | 112-118 | 7mer-1A |
| hsa-miR-92b-3p | NM\_000584 | 112-118 | 7mer-1A |
| hsa-miR-92a-3p | NM\_000584 | 112-118 | 7mer-1A |
| hsa-miR-363-3p | NM\_000584 | 112-118 | 7mer-1A |
| hsa-miR-25-3p | NM\_000584 | 112-118 | 7mer-1A |
| hsa-miR-32-5p | NM\_000584 | 112-118 | 7mer-1A |
| hsa-miR-643 | NM\_000584 | 116-123 | 8mer |
| hsa-miR-552-5p | NM\_000584 | 129-135 | 7mer-m8 |
| hsa-miR-607 | NM\_000584 | 135-141 | 7mer-m8 |
| hsa-miR-3671 | NM\_000584 | 135-141 | 7mer-1A |
| hsa-miR-4724-5p | NM\_000584 | 143-149 | 7mer-1A |
| hsa-miR-4289 | NM\_000584 | 151-157 | 7mer-1A |
| hsa-miR-664a-3p | NM\_000584 | 153-160 | 8mer |
| hsa-miR-548x-3p | NM\_000584 | 160-166 | 7mer-m8 |
| hsa-miR-548aj-3p | NM\_000584 | 160-166 | 7mer-m8 |
| hsa-miR-548ae-3p | NM\_000584 | 160-166 | 7mer-m8 |
| hsa-miR-548am-3p | NM\_000584 | 160-166 | 7mer-m8 |
| hsa-miR-548aq-3p | NM\_000584 | 160-166 | 7mer-m8 |
| hsa-miR-548ah-3p | NM\_000584 | 160-166 | 7mer-m8 |
| hsa-miR-548j-3p | NM\_000584 | 160-166 | 7mer-m8 |
| hsa-miR-150-3p | NM\_000584 | 170-176 | 7mer-m8 |
| hsa-miR-5579-5p | NM\_000584 | 171-177 | 7mer-m8 |
| hsa-miR-205-3p | NM\_000584 | 177-183 | 7mer-1A |
| hsa-miR-3145-3p | NM\_000584 | 179-185 | 7mer-m8 |
| hsa-miR-3201 | NM\_000584 | 181-187 | 7mer-1A |
| hsa-miR-4791 | NM\_000584 | 181-187 | 7mer-1A |
| hsa-miR-5706 | NM\_000584 | 183-190 | 8mer |
| hsa-miR-4782-5p | NM\_000584 | 183-190 | 8mer |
| hsa-miR-378j | NM\_000584 | 183-189 | 7mer-1A |
| hsa-miR-6839-5p | NM\_000584 | 183-189 | 7mer-1A |
| hsa-miR-1299 | NM\_000584 | 184-190 | 7mer-1A |
| hsa-miR-516b-5p | NM\_000584 | 184-190 | 7mer-1A |
| hsa-miR-567 | NM\_000584 | 189-195 | 7mer-m8 |
| hsa-miR-5580-3p | NM\_000584 | 198-204 | 7mer-1A |
| hsa-miR-8084 | NM\_000584 | 206-212 | 7mer-1A |
| hsa-miR-200c-3p | NM\_000584 | 206-212 | 7mer-1A |
| hsa-miR-429 | NM\_000584 | 206-212 | 7mer-1A |
| hsa-miR-200b-3p | NM\_000584 | 206-212 | 7mer-1A |
| hsa-miR-369-3p | NM\_000584 | 207-213 | 7mer-m8 |
| hsa-miR-5692a | NM\_000584 | 209-216 | 8mer |
| hsa-miR-3671 | NM\_000584 | 215-222 | 8mer |
| hsa-miR-607 | NM\_000584 | 216-222 | 7mer-m8 |
| hsa-miR-376a-5p | NM\_000584 | 220-226 | 7mer-m8 |
| hsa-miR-376a-2-5p | NM\_000584 | 221-228 | 8mer |
| hsa-miR-3935 | NM\_000584 | 222-228 | 7mer-1A |
| hsa-miR-3674 | NM\_000584 | 223-230 | 8mer |
| hsa-miR-129-5p | NM\_000584 | 227-233 | 7mer-1A |
| hsa-miR-944 | NM\_000584 | 239-245 | 7mer-m8 |
| hsa-miR-548c-3p | NM\_000584 | 243-249 | 7mer-1A |
| hsa-miR-500a-5p | NM\_000584 | 255-261 | 7mer-m8 |
| hsa-miR-4668-3p | NM\_000584 | 257-263 | 7mer-m8 |
| hsa-miR-4496 | NM\_000584 | 261-267 | 7mer-1A |
| hsa-miR-1973 | NM\_000584 | 273-279 | 7mer-m8 |
| hsa-miR-629-3p | NM\_000584 | 278-284 | 7mer-m8 |
| hsa-miR-4713-5p | NM\_000584 | 278-284 | 7mer-1A |
| hsa-miR-6867-3p | NM\_000584 | 278-284 | 7mer-1A |
| hsa-miR-6074 | NM\_000584 | 282-288 | 7mer-1A |
| hsa-miR-568 | NM\_000584 | 285-291 | 7mer-1A |
| hsa-miR-3149 | NM\_000584 | 286-292 | 7mer-1A |
| hsa-miR-6885-3p | NM\_000584 | 294-300 | 7mer-1A |
| hsa-miR-6878-3p | NM\_000584 | 303-310 | 8mer |
| hsa-miR-6744-3p | NM\_000584 | 303-309 | 7mer-1A |
| hsa-miR-4757-5p | NM\_000584 | 303-309 | 7mer-1A |
| hsa-miR-212-5p | NM\_000584 | 306-312 | 7mer-m8 |
| hsa-miR-6851-3p | NM\_000584 | 309-316 | 8mer |
| hsa-miR-328-3p | NM\_000584 | 310-317 | 8mer |
| hsa-miR-6775-3p | NM\_000584 | 310-316 | 7mer-1A |
| hsa-miR-1291 | NM\_000584 | 310-316 | 7mer-1A |
| hsa-miR-6848-3p | NM\_000584 | 311-322 | non-canonical |
| hsa-miR-6848-3p | NM\_000584 | 311-322 | non-canonical |
| hsa-miR-6809-3p | NM\_000584 | 316-322 | 7mer-m8 |
| hsa-miR-4753-3p | NM\_000584 | 316-322 | 7mer-1A |
| hsa-miR-548at-5p | NM\_000584 | 329-335 | 7mer-1A |
| hsa-miR-561-3p | NM\_000584 | 329-335 | 7mer-1A |
| hsa-miR-3140-5p | NM\_000584 | 338-344 | 7mer-1A |
| hsa-miR-378a-5p | NM\_000584 | 339-345 | 7mer-1A |
| hsa-miR-1200 | NM\_000584 | 339-345 | 7mer-1A |
| hsa-miR-660-5p | NM\_000584 | 349-355 | 7mer-m8 |
| hsa-miR-1273d | NM\_000584 | 350-356 | 7mer-m8 |
| hsa-miR-548p | NM\_000584 | 355-361 | 7mer-1A |
| hsa-miR-1287-3p | NM\_000584 | 358-364 | 7mer-1A |
| hsa-miR-130a-5p | NM\_000584 | 363-369 | 7mer-m8 |
| hsa-miR-23a-3p | NM\_000584 | 363-369 | 7mer-m8 |
| hsa-miR-23b-3p | NM\_000584 | 363-369 | 7mer-m8 |
| hsa-miR-23c | NM\_000584 | 363-369 | 7mer-m8 |
| hsa-miR-3671 | NM\_000584 | 370-377 | 8mer |
| hsa-miR-607 | NM\_000584 | 371-377 | 7mer-m8 |
| hsa-miR-3977 | NM\_000584 | 374-380 | 7mer-m8 |
| hsa-miR-4501 | NM\_000584 | 381-387 | 7mer-1A |
| hsa-miR-153-5p | NM\_000584 | 387-394 | 8mer |
| hsa-miR-1250-3p | NM\_000584 | 388-394 | 7mer-1A |
| hsa-miR-4433b-5p | NM\_000584 | 395-402 | 8mer |
| hsa-miR-4433a-5p | NM\_000584 | 395-401 | 7mer-1A |
| hsa-miR-4646-3p | NM\_000584 | 396-402 | 7mer-m8 |
| hsa-miR-5701 | NM\_000584 | 398-405 | 8mer |
| hsa-miR-4282 | NM\_000584 | 404-410 | 7mer-m8 |
| hsa-miR-1468-3p | NM\_000584 | 406-412 | 7mer-m8 |
| hsa-miR-4470 | NM\_000584 | 408-414 | 7mer-1A |
| hsa-miR-183-5p.1 | NM\_000584 | 410-416 | 7mer-1A |
| hsa-miR-8074 | NM\_000584 | 411-417 | 7mer-1A |
| hsa-miR-513c-3p | NM\_000584 | 422-428 | 7mer-1A |
| hsa-miR-3606-3p | NM\_000584 | 422-428 | 7mer-1A |
| hsa-miR-513a-3p | NM\_000584 | 422-428 | 7mer-1A |
| hsa-miR-4267 | NM\_000584 | 428-434 | 7mer-1A |
| hsa-miR-6512-3p | NM\_000584 | 429-435 | 7mer-1A |
| hsa-miR-6720-5p | NM\_000584 | 429-435 | 7mer-1A |
| hsa-miR-3180-5p | NM\_000584 | 430-436 | 7mer-1A |
| hsa-miR-876-5p | NM\_000584 | 433-439 | 7mer-m8 |
| hsa-miR-3167 | NM\_000584 | 433-439 | 7mer-m8 |
| hsa-miR-665 | NM\_000584 | 437-443 | 7mer-1A |
| hsa-miR-4668-3p | NM\_000584 | 441-447 | 7mer-m8 |
| hsa-miR-548c-3p | NM\_000584 | 442-448 | 7mer-m8 |
| hsa-miR-302c-5p | NM\_000584 | 452-458 | 7mer-1A |
| hsa-miR-3972 | NM\_000584 | 460-466 | 7mer-1A |
| hsa-miR-1202 | NM\_000584 | 460-466 | 7mer-1A |
| hsa-miR-5006-5p | NM\_000584 | 460-466 | 7mer-1A |
| hsa-miR-6501-5p | NM\_000584 | 461-467 | 7mer-m8 |
| hsa-miR-656-5p | NM\_000584 | 462-468 | 7mer-m8 |
| hsa-miR-296-3p | NM\_000584 | 464-471 | 8mer |
| hsa-miR-4771 | NM\_000584 | 471-477 | 7mer-m8 |
| hsa-miR-621 | NM\_000584 | 475-481 | 7mer-m8 |
| hsa-miR-6069 | NM\_000584 | 477-483 | 7mer-1A |
| hsa-miR-4794 | NM\_000584 | 478-484 | 7mer-m8 |
| hsa-miR-664a-5p | NM\_000584 | 478-484 | 7mer-m8 |
| hsa-miR-8073 | NM\_000584 | 480-486 | 7mer-1A |
| hsa-miR-221-5p | NM\_000584 | 480-486 | 7mer-1A |
| hsa-miR-3911 | NM\_000584 | 481-492 | non-canonical |
| hsa-miR-3911 | NM\_000584 | 481-492 | non-canonical |
| hsa-miR-4752 | NM\_000584 | 486-493 | 8mer |
| hsa-miR-376c-5p | NM\_000584 | 486-492 | 7mer-1A |
| hsa-miR-376b-5p | NM\_000584 | 486-492 | 7mer-1A |
| hsa-miR-8056 | NM\_000584 | 486-492 | 7mer-1A |
| hsa-miR-3691-5p | NM\_000584 | 486-492 | 7mer-1A |
| hsa-miR-6833-5p | NM\_000584 | 487-493 | 7mer-1A |
| hsa-miR-8083 | NM\_000584 | 492-498 | 7mer-m8 |
| hsa-miR-128-3p | NM\_000584 | 504-510 | 7mer-m8 |
| hsa-miR-216a-3p | NM\_000584 | 504-510 | 7mer-m8 |
| hsa-miR-3681-3p | NM\_000584 | 504-510 | 7mer-m8 |
| hsa-miR-5582-5p | NM\_000584 | 507-513 | 7mer-m8 |
| hsa-miR-124-3p.1 | NM\_000584 | 508-514 | 7mer-m8 |
| hsa-miR-4428 | NM\_000584 | 519-525 | 7mer-m8 |
| hsa-miR-5680 | NM\_000584 | 527-533 | 7mer-1A |
| hsa-miR-4436b-5p | NM\_000584 | 533-540 | 8mer |
| hsa-miR-6509-3p | NM\_000584 | 534-540 | 7mer-1A |
| hsa-miR-3692-3p | NM\_000584 | 535-541 | 7mer-1A |
| hsa-miR-5003-3p | NM\_000584 | 540-546 | 7mer-1A |
| hsa-miR-8084 | NM\_000584 | 543-549 | 7mer-1A |
| hsa-miR-200b-3p | NM\_000584 | 543-549 | 7mer-1A |
| hsa-miR-429 | NM\_000584 | 543-549 | 7mer-1A |
| hsa-miR-200c-3p | NM\_000584 | 543-549 | 7mer-1A |
| hsa-miR-4662b | NM\_000584 | 554-561 | 8mer |
| hsa-miR-4426 | NM\_000584 | 554-561 | 8mer |
| hsa-miR-4647 | NM\_000584 | 554-561 | 8mer |
| hsa-miR-202-3p | NM\_000584 | 560-566 | 7mer-1A |
| hsa-miR-4458 | NM\_000584 | 560-566 | 7mer-1A |
| hsa-let-7b-5p | NM\_000584 | 560-566 | 7mer-1A |
| hsa-let-7d-5p | NM\_000584 | 560-566 | 7mer-1A |
| hsa-let-7i-5p | NM\_000584 | 560-566 | 7mer-1A |
| hsa-let-7f-5p | NM\_000584 | 560-566 | 7mer-1A |
| hsa-miR-4500 | NM\_000584 | 560-566 | 7mer-1A |
| hsa-let-7e-5p | NM\_000584 | 560-566 | 7mer-1A |
| hsa-let-7g-5p | NM\_000584 | 560-566 | 7mer-1A |
| hsa-miR-98-5p | NM\_000584 | 560-566 | 7mer-1A |
| hsa-let-7c-5p | NM\_000584 | 560-566 | 7mer-1A |
| hsa-let-7a-5p | NM\_000584 | 560-566 | 7mer-1A |
| hsa-miR-1294 | NM\_000584 | 561-568 | 8mer |
| hsa-miR-4316 | NM\_000584 | 562-568 | 7mer-1A |
| hsa-miR-4677-3p | NM\_000584 | 563-569 | 7mer-m8 |
| hsa-miR-1208 | NM\_000584 | 566-572 | 7mer-1A |
| hsa-miR-6760-3p | NM\_000584 | 566-572 | 7mer-1A |
| hsa-miR-499a-3p | NM\_000584 | 569-575 | 7mer-m8 |
| hsa-miR-499b-3p | NM\_000584 | 569-575 | 7mer-m8 |
| hsa-miR-5003-5p | NM\_000584 | 573-580 | 8mer |
| hsa-miR-6852-3p | NM\_000584 | 579-585 | 7mer-1A |
| hsa-miR-3909 | NM\_000584 | 579-585 | 7mer-1A |
| hsa-miR-3692-3p | NM\_000584 | 586-592 | 7mer-m8 |
| hsa-miR-2115-5p | NM\_000584 | 588-595 | 8mer |
| hsa-miR-7162-5p | NM\_000584 | 589-595 | 7mer-1A |
| hsa-miR-516b-3p | NM\_000584 | 589-595 | 7mer-1A |
| hsa-miR-516a-3p | NM\_000584 | 589-595 | 7mer-1A |
| hsa-miR-302c-3p.2 | NM\_000584 | 591-597 | 7mer-m8 |
| hsa-miR-520f-3p | NM\_000584 | 591-597 | 7mer-m8 |
| hsa-miR-302d-3p | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-302a-3p | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-302b-3p | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-302c-3p.1 | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-302e | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-372-3p | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-373-3p | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-520e | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-520d-3p | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-520a-3p | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-520b | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-520c-3p | NM\_000584 | 592-598 | 7mer-m8 |
| hsa-miR-20a-5p | NM\_000584 | 593-600 | 8mer |
| hsa-miR-93-5p | NM\_000584 | 593-600 | 8mer |
| hsa-miR-526b-3p | NM\_000584 | 593-600 | 8mer |
| hsa-miR-106a-5p | NM\_000584 | 593-600 | 8mer |
| hsa-miR-106b-5p | NM\_000584 | 593-600 | 8mer |
| hsa-miR-519d-3p | NM\_000584 | 593-600 | 8mer |
| hsa-miR-20b-5p | NM\_000584 | 593-600 | 8mer |
| hsa-miR-17-5p | NM\_000584 | 593-600 | 8mer |
| hsa-miR-548ah-5p | NM\_000584 | 594-600 | 7mer-1A |
| hsa-miR-3609 | NM\_000584 | 594-600 | 7mer-1A |
| hsa-miR-4796-3p | NM\_000584 | 594-600 | 7mer-1A |
| hsa-miR-5582-3p | NM\_000584 | 600-606 | 7mer-m8 |
| hsa-miR-548x-3p | NM\_000584 | 601-607 | 7mer-m8 |
| hsa-miR-548j-3p | NM\_000584 | 601-607 | 7mer-m8 |
| hsa-miR-548aj-3p | NM\_000584 | 601-607 | 7mer-m8 |
| hsa-miR-548am-3p | NM\_000584 | 601-607 | 7mer-m8 |
| hsa-miR-548aq-3p | NM\_000584 | 601-607 | 7mer-m8 |
| hsa-miR-548ae-3p | NM\_000584 | 601-607 | 7mer-m8 |
| hsa-miR-548ah-3p | NM\_000584 | 601-607 | 7mer-m8 |
| hsa-miR-1272 | NM\_000584 | 608-615 | 8mer |
| hsa-miR-1322 | NM\_000584 | 609-615 | 7mer-1A |
| hsa-miR-32-3p | NM\_000584 | 619-625 | 7mer-1A |
| hsa-miR-5692a | NM\_000584 | 622-628 | 7mer-m8 |
| hsa-miR-154-5p | NM\_000584 | 644-650 | 7mer-1A |
| hsa-miR-3121-3p | NM\_000584 | 648-654 | 7mer-1A |
| hsa-miR-5692a | NM\_000584 | 654-661 | 8mer |
| hsa-miR-5692a | NM\_000584 | 667-673 | 7mer-1A |
| hsa-miR-4720-3p | NM\_000584 | 671-677 | 7mer-1A |
| hsa-miR-4804-3p | NM\_000584 | 671-677 | 7mer-1A |
| hsa-miR-4719 | NM\_000584 | 684-690 | 7mer-m8 |
| hsa-miR-138-2-3p | NM\_000584 | 704-710 | 7mer-1A |
| hsa-miR-4482-3p | NM\_000584 | 705-711 | 7mer-m8 |
| hsa-miR-452-3p | NM\_000584 | 711-717 | 7mer-1A |
| hsa-miR-580-5p | NM\_000584 | 716-722 | 7mer-m8 |
| hsa-miR-4705 | NM\_000584 | 722-728 | 7mer-1A |
| hsa-miR-4272 | NM\_000584 | 725-731 | 7mer-1A |
| hsa-miR-625-3p | NM\_000584 | 745-751 | 7mer-1A |
| hsa-miR-4699-3p | NM\_000584 | 748-754 | 7mer-m8 |
| hsa-miR-3606-3p | NM\_000584 | 751-757 | 7mer-1A |
| hsa-miR-513a-3p | NM\_000584 | 751-757 | 7mer-1A |
| hsa-miR-513c-3p | NM\_000584 | 751-757 | 7mer-1A |
| hsa-miR-3163 | NM\_000584 | 757-763 | 7mer-m8 |
| hsa-miR-889-3p | NM\_000584 | 768-775 | 8mer |
| hsa-miR-5696 | NM\_000584 | 773-779 | 7mer-m8 |
| hsa-miR-4729 | NM\_000584 | 773-779 | 7mer-1A |
| hsa-miR-6732-3p | NM\_000584 | 803-809 | 7mer-m8 |
| hsa-miR-548as-3p | NM\_000584 | 805-811 | 7mer-m8 |
| hsa-miR-548ac | NM\_000584 | 806-813 | 8mer |
| hsa-miR-548z | NM\_000584 | 806-813 | 8mer |
| hsa-miR-548h-3p | NM\_000584 | 806-813 | 8mer |
| hsa-miR-548d-3p | NM\_000584 | 806-813 | 8mer |
| hsa-miR-548bb-3p | NM\_000584 | 806-813 | 8mer |
| hsa-miR-548aq-3p | NM\_000584 | 807-813 | 7mer-1A |
| hsa-miR-548ae-3p | NM\_000584 | 807-813 | 7mer-1A |
| hsa-miR-548ah-3p | NM\_000584 | 807-813 | 7mer-1A |
| hsa-miR-548j-3p | NM\_000584 | 807-813 | 7mer-1A |
| hsa-miR-548am-3p | NM\_000584 | 807-813 | 7mer-1A |
| hsa-miR-548x-3p | NM\_000584 | 807-813 | 7mer-1A |
| hsa-miR-548aj-3p | NM\_000584 | 807-813 | 7mer-1A |
| hsa-miR-8068 | NM\_000584 | 819-826 | 8mer |
| hsa-miR-8068 | NM\_000584 | 823-830 | 8mer |
| hsa-miR-1225-5p | NM\_000584 | 836-842 | 7mer-m8 |
| hsa-miR-6861-5p | NM\_000584 | 837-843 | 7mer-m8 |
| hsa-miR-582-3p | NM\_000584 | 840-846 | 7mer-1A |
| hsa-miR-4282 | NM\_000584 | 846-852 | 7mer-m8 |
| hsa-miR-3646 | NM\_000584 | 851-857 | 7mer-m8 |
| hsa-miR-203a-3p.1 | NM\_000584 | 853-859 | 7mer-1A |
| hsa-miR-4766-5p | NM\_000584 | 855-861 | 7mer-1A |
| hsa-miR-3200-5p | NM\_000584 | 857-863 | 7mer-1A |
| hsa-miR-944 | NM\_000584 | 871-877 | 7mer-m8 |
| hsa-miR-577 | NM\_000584 | 900-906 | 7mer-m8 |
| hsa-miR-3942-3p | NM\_000584 | 903-910 | 8mer |
| hsa-miR-5100 | NM\_000584 | 903-909 | 7mer-1A |
| hsa-miR-205-3p | NM\_000584 | 905-911 | 7mer-m8 |
| hsa-miR-3606-3p | NM\_000584 | 907-913 | 7mer-m8 |
| hsa-miR-513a-3p | NM\_000584 | 907-913 | 7mer-m8 |
| hsa-miR-513c-3p | NM\_000584 | 907-913 | 7mer-m8 |
| hsa-miR-4282 | NM\_000584 | 908-915 | 8mer |
| hsa-miR-4275 | NM\_000584 | 914-920 | 7mer-1A |
| hsa-miR-5000-5p | NM\_000584 | 918-924 | 7mer-1A |
| hsa-miR-4445-5p | NM\_000584 | 924-930 | 7mer-m8 |
| hsa-miR-601 | NM\_000584 | 924-935 | non-canonical |
| hsa-miR-601 | NM\_000584 | 924-935 | non-canonical |
| hsa-miR-3159 | NM\_000584 | 927-933 | 7mer-1A |
| hsa-miR-7844-5p | NM\_000584 | 931-937 | 7mer-m8 |
| hsa-miR-3192-5p | NM\_000584 | 942-948 | 7mer-m8 |
| hsa-miR-4463 | NM\_000584 | 945-951 | 7mer-m8 |
| hsa-miR-3128 | NM\_000584 | 957-963 | 7mer-m8 |
| hsa-miR-1207-3p | NM\_000584 | 960-966 | 7mer-m8 |
| hsa-miR-4999-3p | NM\_000584 | 971-977 | 7mer-m8 |
| hsa-miR-383-3p | NM\_000584 | 974-980 | 7mer-m8 |
| hsa-miR-505-3p.2 | NM\_000584 | 980-987 | 8mer |
| hsa-miR-7159-5p | NM\_000584 | 981-987 | 7mer-1A |
| hsa-miR-421 | NM\_000584 | 981-987 | 7mer-1A |
| hsa-miR-4272 | NM\_000584 | 982-988 | 7mer-m8 |
| hsa-miR-4760-3p | NM\_000584 | 984-990 | 7mer-1A |
| hsa-miR-4528 | NM\_000584 | 995-1001 | 7mer-1A |
| hsa-miR-6750-3p | NM\_000584 | 999-1005 | 7mer-1A |
| hsa-miR-3168 | NM\_000584 | 1004-1011 | 8mer |
| hsa-miR-6874-3p | NM\_000584 | 1005-1011 | 7mer-1A |
| hsa-miR-148b-5p | NM\_000584 | 1005-1011 | 7mer-1A |
| hsa-miR-5584-3p | NM\_000584 | 1005-1011 | 7mer-1A |
| hsa-miR-633 | NM\_000584 | 1008-1015 | 8mer |
| hsa-miR-4687-3p | NM\_000584 | 1016-1023 | 8mer |
| hsa-miR-7974 | NM\_000584 | 1017-1023 | 7mer-1A |
| hsa-miR-647 | NM\_000584 | 1018-1024 | 7mer-1A |
| hsa-miR-6842-3p | NM\_000584 | 1018-1024 | 7mer-1A |
| hsa-miR-4653-3p | NM\_000584 | 1025-1031 | 7mer-1A |
| hsa-miR-7847-3p | NM\_000584 | 1027-1033 | 7mer-1A |
| hsa-miR-7114-5p | NM\_000584 | 1028-1034 | 7mer-m8 |
| hsa-miR-4318 | NM\_000584 | 1029-1035 | 7mer-m8 |
| hsa-miR-943 | NM\_000584 | 1031-1038 | 8mer |
| hsa-miR-4439 | NM\_000584 | 1032-1038 | 7mer-1A |
| hsa-miR-3136-5p | NM\_000584 | 1032-1038 | 7mer-1A |
| hsa-miR-451b | NM\_000584 | 1050-1056 | 7mer-m8 |
| hsa-miR-634 | NM\_000584 | 1053-1059 | 7mer-m8 |
| hsa-miR-1305 | NM\_000584 | 1058-1064 | 7mer-m8 |
| hsa-miR-493-5p | NM\_000584 | 1075-1082 | 8mer |
| hsa-let-7c-3p | NM\_000584 | 1076-1082 | 7mer-1A |
| hsa-let-7a-2-3p | NM\_000584 | 1076-1082 | 7mer-1A |
| hsa-let-7g-3p | NM\_000584 | 1076-1082 | 7mer-1A |
| hsa-miR-138-2-3p | NM\_000584 | 1081-1087 | 7mer-1A |
| hsa-miR-6507-5p | NM\_000584 | 1087-1093 | 7mer-1A |
| hsa-miR-656-3p | NM\_000584 | 1093-1099 | 7mer-m8 |
| hsa-miR-5692c | NM\_000584 | 1096-1102 | 7mer-m8 |
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| hsa-miR-5692a | NM\_000584 | 1098-1105 | 8mer |
| hsa-miR-4729 | NM\_000584 | 1104-1110 | 7mer-1A |
| hsa-miR-5696 | NM\_000584 | 1104-1110 | 7mer-m8 |
| hsa-miR-455-3p.2 | NM\_000584 | 1109-1115 | 7mer-m8 |
| hsa-miR-548c-3p | NM\_000584 | 1115-1121 | 7mer-1A |
| hsa-miR-643 | NM\_000584 | 1123-1129 | 7mer-m8 |
| hsa-miR-4312 | NM\_000584 | 1125-1131 | 7mer-m8 |
| hsa-miR-5590-3p | NM\_000584 | 1131-1137 | 7mer-1A |
| hsa-miR-340-5p | NM\_000584 | 1131-1137 | 7mer-m8 |
| hsa-miR-142-5p | NM\_000584 | 1131-1137 | 7mer-1A |
| hsa-miR-548c-3p | NM\_000584 | 1137-1143 | 7mer-1A |
| hsa-miR-548at-5p | NM\_000584 | 1142-1149 | 8mer |
| hsa-miR-561-3p | NM\_000584 | 1143-1149 | 7mer-1A |
| hsa-miR-302a-5p | NM\_000584 | 1146-1152 | 7mer-1A |
| hsa-miR-548am-3p | NM\_000584 | 1154-1160 | 7mer-1A |
| hsa-miR-548ah-3p | NM\_000584 | 1154-1160 | 7mer-1A |
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| hsa-miR-548h-3p | NM\_000584 | 1154-1160 | 7mer-1A |
| hsa-miR-548ac | NM\_000584 | 1154-1160 | 7mer-1A |
| hsa-miR-548d-3p | NM\_000584 | 1154-1160 | 7mer-1A |
| hsa-miR-5192 | NM\_000584 | 1165-1171 | 7mer-1A |
| hsa-miR-4644 | NM\_000584 | 1165-1171 | 7mer-1A |
| hsa-miR-4306 | NM\_000584 | 1165-1171 | 7mer-1A |
| hsa-miR-185-5p | NM\_000584 | 1165-1171 | 7mer-1A |
| hsa-miR-620 | NM\_000584 | 1166-1172 | 7mer-1A |
| hsa-miR-4531 | NM\_000584 | 1166-1172 | 7mer-1A |
| hsa-miR-1270 | NM\_000584 | 1166-1172 | 7mer-1A |
| hsa-miR-4282 | NM\_000584 | 1171-1177 | 7mer-m8 |
| hsa-miR-545-5p | NM\_000584 | 1179-1185 | 7mer-m8 |
| hsa-miR-2115-3p | NM\_000584 | 1187-1193 | 7mer-m8 |
| hsa-miR-4666a-3p | NM\_000584 | 1192-1198 | 7mer-m8 |
| hsa-miR-587 | NM\_000584 | 1196-1203 | 8mer |
| hsa-miR-6083 | NM\_000584 | 1203-1209 | 7mer-1A |
| hsa-miR-5003-3p | NM\_000584 | 1207-1213 | 7mer-1A |
| hsa-miR-4699-3p | NM\_000584 | 1210-1217 | 8mer |
| hsa-miR-1279 | NM\_000584 | 1214-1220 | 7mer-1A |
| hsa-miR-5007-3p | NM\_000584 | 1215-1221 | 7mer-1A |
| hsa-miR-33a-3p | NM\_000584 | 1220-1226 | 7mer-m8 |
| hsa-miR-7-2-3p | NM\_000584 | 1236-1242 | 7mer-m8 |
| hsa-miR-7-1-3p | NM\_000584 | 1236-1242 | 7mer-m8 |
| hsa-miR-3065-5p | NM\_000584 | 1237-1243 | 7mer-m8 |
| hsa-miR-3529-3p | NM\_000584 | 1238-1244 | 7mer-m8 |
| hsa-miR-549a | NM\_000584 | 1240-1246 | 7mer-1A |
| hsa-miR-514a-3p | NM\_000584 | 1242-1248 | 7mer-1A |
| hsa-miR-514b-3p | NM\_000584 | 1242-1248 | 7mer-1A |