

Supplementary Table S1. MINCR target miRNAs

| miRNAname | miRNAid | merClass | PancancerNum |
|------------------|----------------|-----------------|---------------------|
| hsa-miR-374a-3p | MIMAT0004688 | 7mer-m8 | 4 |
| hsa-miR-513a-5p | MIMAT0002877 | 7mer-m8 | 2 |
| hsa-miR-223-3p | MIMAT0000280 | 7mer-m8 | 16 |
| hsa-miR-421 | MIMAT0003339 | 8mer | 2 |
| hsa-miR-3167 | MIMAT0015042 | 7mer-m8 | 1 |
| hsa-miR-876-5p | MIMAT0004924 | 7mer-m8 | 2 |
| hsa-miR-28-5p | MIMAT0000085 | 7mer-m8 | 4 |
| hsa-miR-708-5p | MIMAT0004926 | 7mer-m8 | 4 |
| hsa-miR-3139 | MIMAT0015007 | 7mer-m8 | 1 |
| hsa-miR-146a-5p | MIMAT0000449 | 7mer-m8 | 10 |
| hsa-miR-146b-5p | MIMAT0002809 | 7mer-m8 | 8 |
| hsa-miR-7153-5p | MIMAT0028216 | 7mer-m8 | 0 |

Supplementary Table S2. miR-28-5p targets

| Gene symbol | Reference Sequence id | Number of pairings | Position |
|--------------------|------------------------------|---------------------------|-----------------|
| TEX261 | NM_144582 | 19 | 3UTR |
| N4BP1 | NM_153029 | 19 | 3UTR |
| RAP1B | NM_015646 | 8 | 3UTR |