

Supplementary Table 5: List of differentially expressed MiRNAs in PBMC for genotype effects and their target genes

| database | mature_mirna_acc | mature_mirna_id | target_symbol | target_entrez | target_ensembl | experiment | support_type | pubmed_id | type |
|------------|------------------|------------------|---------------|---------------|-----------------|--------------------------|-----------------------|-----------|-----------|
| mirtarbase | MIMAT0000255 | hsa-miR-34a-5p | CDC25C | 995 | ENSG00000158402 | Microarray | Functional MTI (Weak) | 19461653 | validated |
| mirtarbase | MIMAT0000063 | hsa-let-7b-5p | NCAPG2 | 54892 | ENSG00000146918 | pSILAC//Proteomics;Other | Functional MTI (Weak) | 18668040 | validated |
| mirtarbase | MIMAT0000063 | hsa-let-7b-5p | KIAA1549 | 57670 | ENSG00000122778 | CLASH | Functional MTI (Weak) | 23622248 | validated |
| mirtarbase | MIMAT0000441 | hsa-miR-9-5p | BIK | 638 | ENSG00000100290 | Microarray | Functional MTI (Weak) | 17612493 | validated |
| mirtarbase | MIMAT0000442 | hsa-miR-9-3p | FBXL13 | 222235 | ENSG00000161040 | PAR-CLIP | Functional MTI (Weak) | 22012620 | validated |
| mirtarbase | MIMAT0000442 | hsa-miR-9-3p | FBXL13 | 222235 | ENSG00000161040 | PAR-CLIP | Functional MTI (Weak) | 23446348 | validated |
| mirtarbase | MIMAT0004589 | hsa-miR-30b-3p | RAD51B | 5890 | ENSG00000182185 | PAR-CLIP | Functional MTI (Weak) | 22100165 | validated |
| mirtarbase | MIMAT0004550 | hsa-miR-30c-2-3p | NRG4 | 145957 | ENSG00000169752 | PAR-CLIP | Functional MTI (Weak) | 23592263 | validated |
| mirtarbase | MIMAT0004674 | hsa-miR-30c-1-3p | NRG4 | 145957 | ENSG00000169752 | PAR-CLIP | Functional MTI (Weak) | 23592263 | validated |
| mirtarbase | MIMAT0021128 | hsa-miR-5196-5p | NR4A3 | 8013 | ENSG00000119508 | HITS-CLIP | Functional MTI (Weak) | 23313552 | validated |
| mirtarbase | MIMAT0019080 | hsa-miR-4537 | NLRP9 | 338321 | ENSG00000185792 | PAR-CLIP | Functional MTI (Weak) | 23592263 | validated |
| mirtarbase | MIMAT0021129 | hsa-miR-5196-3p | SPA17 | 53340 | ENSG00000064199 | HITS-CLIP | Functional MTI (Weak) | 19536157 | validated |
| mirtarbase | MIMAT0032110 | hsa-miR-3653-5p | SENK8 | 123228 | ENSG00000166192 | HITS-CLIP | Functional MTI (Weak) | 23824327 | validated |
| mirtarbase | MIMAT0032110 | hsa-miR-3653-5p | WNT2B | 7482 | ENSG00000134245 | HITS-CLIP | Functional MTI (Weak) | 23824327 | validated |
| mirtarbase | MIMAT0030417 | hsa-miR-6516-5p | NLRP9 | 338321 | ENSG00000185792 | PAR-CLIP | Functional MTI (Weak) | 23592263 | validated |
| tarbase | MIMAT0000063 | hsa-let-7b-5p | NCAPG2 | 54892 | ENSG00000146918 | Proteomics | positive | NA | validated |
| tarbase | MIMAT0000441 | hsa-miR-9-5p | BIK | 638 | ENSG00000100290 | Microarray | positive | NA | validated |