

| <b>Supplemental Table 1.</b> Small extracellular vesicles miRNA Profile Among HIV/Lipodystrophy, HIV/Non-Lipodystrophy, and Non-HIV participants |                       |                       |                       |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-------------------|
| <b>Subject Classification</b>                                                                                                                    | <b>miRNA Measured</b> | <b>miRNA Detected</b> | <b>miRNA ct&lt;35</b> | <b>Average ct</b> |
| <b>Non-HIV</b>                                                                                                                                   | 1113                  | 913                   | 643                   | 33.48566265       |
| <b>Non-HIV</b>                                                                                                                                   | 1113                  | 953                   | 715                   | 33.18066107       |
| <b>Non-HIV</b>                                                                                                                                   | 1113                  | 949                   | 703                   | 33.31944152       |
| <b>Non-HIV</b>                                                                                                                                   | 1113                  | 799                   | 531                   | 33.67141427       |
| <b>Non-HIV</b>                                                                                                                                   | 1113                  | 977                   | 792                   | 32.42082907       |
| <b>Non-HIV</b>                                                                                                                                   | 1113                  | 1038                  | 868                   | 32.26423892       |
| <b>Non-HIV</b>                                                                                                                                   | 1113                  | 936                   | 669                   | 33.43976496       |
| <b>Non-HIV</b>                                                                                                                                   | 1113                  | 979                   | 737                   | 33.1180286        |
| <b>Non-HIV</b>                                                                                                                                   | 1113                  | 1022                  | 892                   | 31.96048924       |
| <b>HIV/non-lipodystrophy</b>                                                                                                                     | 1113                  | 1039                  | 879                   | 32.11861405       |
| <b>HIV/non-lipodystrophy</b>                                                                                                                     | 1113                  | 1058                  | 944                   | 31.29917769       |
| <b>HIV/non-lipodystrophy</b>                                                                                                                     | 1113                  | 1038                  | 891                   | 32.01327553       |
| <b>HIV/non-lipodystrophy</b>                                                                                                                     | 1113                  | 835                   | 570                   | 33.50558084       |
| <b>HIV/non-lipodystrophy</b>                                                                                                                     | 1113                  | 1058                  | 969                   | 30.97307183       |
| <b>HIV/non-lipodystrophy</b>                                                                                                                     | 1113                  | 985                   | 788                   | 32.67791878       |
| <b>HIV/non-lipodystrophy</b>                                                                                                                     | 1113                  | 1013                  | 855                   | 32.33650543       |
| <b>HIV/non-lipodystrophy<sup>A</sup></b>                                                                                                         | 1113                  | 705                   | 430                   | 33.85049645       |
| <b>HIV/non-lipodystrophy</b>                                                                                                                     | 1113                  | 875                   | 583                   | 33.47907429       |
| <b>HIV/lipodystrophy</b>                                                                                                                         | 1113                  | 793                   | 483                   | 34.14481715       |
| <b>HIV/lipodystrophy</b>                                                                                                                         | 1113                  | 979                   | 751                   | 33.01707865       |
| <b>HIV/lipodystrophy</b>                                                                                                                         | 1113                  | 899                   | 609                   | 33.79969967       |
| <b>HIV/lipodystrophy</b>                                                                                                                         | 1113                  | 1055                  | 954                   | 31.57533649       |
| <b>HIV/lipodystrophy</b>                                                                                                                         | 1113                  | 965                   | 700                   | 33.21749223       |

|                                      |      |     |     |             |
|--------------------------------------|------|-----|-----|-------------|
| <b>HIV/lipodystrophy</b>             | 1113 | 851 | 524 | 33.99361927 |
| <b>HIV/lipodystrophy</b>             | 1113 | 979 | 810 | 32.59437181 |
| <b>HIV/lipodystrophy</b>             | 1113 | 894 | 622 | 33.45416107 |
| <b>HIV/lipodystrophy<sup>A</sup></b> | 1113 | 526 | 265 | 34.53249049 |

<sup>A</sup>Outliers removed from analysis

| <b>Supplemental Table 2. Gene targets downregulated by all miRNAs in transfected human adipocytes</b> |                           |                       |                          |
|-------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|--------------------------|
|                                                                                                       | <b>miRNA-20a-3p mimic</b> | <b>anti-miRNA-186</b> | <b>anti-miRNA-324-5p</b> |
| <b>LTPB2</b>                                                                                          | -1                        | -1                    | -1                       |
| <b>MFAP2</b>                                                                                          | -1                        | -1                    | -1                       |
| <b>COL6A3</b>                                                                                         | -1                        | -1                    | -1                       |
| <b>HIF3A</b>                                                                                          | -1                        | -1                    | -1                       |
| <b>SFRP2</b>                                                                                          | -1                        | -1                    | -1                       |
| <b>CMKLR1</b>                                                                                         | -1                        | -1                    | -1                       |
| <b>HMCN1</b>                                                                                          | -1                        | -1                    | -1                       |
| <b>KIAA1217</b>                                                                                       | -1                        | -1                    | -1                       |
| <b>ADGRB1</b>                                                                                         | -1                        | -1                    | -1                       |
| <b>TMEM132B</b>                                                                                       | -1                        | -1                    | -1                       |
| <b>BDKRB2</b>                                                                                         | -1                        | -1                    | -1                       |
| <b>GAS7</b>                                                                                           | -1                        | -1                    | -1                       |
| <b>NLGN4X</b>                                                                                         | -1                        | -1                    | -1                       |
| <b>ARL4C</b>                                                                                          | -1                        | -1                    | -1                       |
| <b>ARHGEF19</b>                                                                                       | -1                        | -1                    | -1                       |
| <b>FBXL7</b>                                                                                          | -1                        | -1                    | -1                       |
| <b>EMP3</b>                                                                                           | -1                        | -1                    | -1                       |
| <b>RNF144A</b>                                                                                        | -1                        | -1                    | -1                       |
| <b>WISP2</b>                                                                                          | -1                        | -1                    | -1                       |
| <b>GALNT15</b>                                                                                        | -1                        | -1                    | -1                       |
| <b>CDH11</b>                                                                                          | -1                        | -1                    | -1                       |
| <b>SHISAL1</b>                                                                                        | -1                        | -1                    | -1                       |
| <b>HECW2</b>                                                                                          | -1                        | -1                    | -1                       |
| <b>PPL</b>                                                                                            | -1                        | -1                    | -1                       |

|                   |    |    |    |
|-------------------|----|----|----|
| <b>NEBL</b>       | -1 | -1 | -1 |
| <b>CILP2</b>      | -1 | -1 | -1 |
| <b>CYP27A1</b>    | -1 | -1 | -1 |
| <b>PTGFR</b>      | -1 | -1 | -1 |
| <b>DNM1</b>       | -1 | -1 | -1 |
| <b>FMNL3</b>      | -1 | -1 | -1 |
| <b>RUNX2</b>      | -1 | -1 | -1 |
| <b>TIAM1</b>      | -1 | -1 | -1 |
| <b>GEM</b>        | -1 | -1 | -1 |
| <b>KCNK2</b>      | -1 | -1 | -1 |
| <b>SLC38A5</b>    | -1 | -1 | -1 |
| <b>ADAM22</b>     | -1 | -1 | -1 |
| <b>SCARA3</b>     | -1 | -1 | -1 |
| <b>AC009093.1</b> | -1 | -1 | -1 |
| <b>KCNJ12</b>     | -1 | -1 | -1 |
| <b>DPT</b>        | -1 | -1 | -1 |
| <b>CPNE7</b>      | -1 | -1 | -1 |
| <b>GDPD3</b>      | -1 | -1 | -1 |
| <b>PDPN</b>       | -1 | -1 | -1 |
| <b>GFRA1</b>      | -1 | -1 | -1 |
| <b>PLEKHG4</b>    | -1 | -1 | -1 |
| <b>SCARA5</b>     | -1 | -1 | -1 |
| <b>PTCHD4</b>     | -1 | -1 | -1 |
| <b>IRX1</b>       | -1 | -1 | -1 |
| <b>PTGIS</b>      | -1 | -1 | -1 |
| <b>WNT5A</b>      | -1 | -1 | -1 |
| <b>HTRA3</b>      | -1 | -1 | -1 |

|                 |    |    |    |
|-----------------|----|----|----|
| <b>GPR35</b>    | -1 | -1 | -1 |
| <b>TNFRSF19</b> | -1 | -1 | -1 |

| <b>Supplemental Table 3. Gene targets upregulated by all miRNAs in transfected human adipocytes</b> |                           |                       |                          |
|-----------------------------------------------------------------------------------------------------|---------------------------|-----------------------|--------------------------|
|                                                                                                     | <b>miRNA-20a-3p mimic</b> | <b>anti-miRNA-186</b> | <b>anti-miRNA-324-5p</b> |
| <b>RRAS2</b>                                                                                        | 1                         | 1                     | 1                        |
| <b>RCAN1</b>                                                                                        | 1                         | 1                     | 1                        |
| <b>MAOA</b>                                                                                         | 1                         | 1                     | 1                        |
| <b>BMS1P10</b>                                                                                      | 1                         | 1                     | 1                        |
| <b>CANX</b>                                                                                         | 1                         | 1                     | 1                        |
| <b>RET</b>                                                                                          | 1                         | 1                     | 1                        |
| <b>CRABP1</b>                                                                                       | 1                         | 1                     | 1                        |

**Supplemental Table 4. Gene targets downregulated by anti-miRNA-186 and miRNA-324-5p in transfected human adipocytes**

|                 | <b>miRNA-20a-3p mimic</b> | <b>anti-miRNA-186</b> | <b>anti-miRNA-324-5p</b> |
|-----------------|---------------------------|-----------------------|--------------------------|
| <b>DEPTOR</b>   | 0                         | -1                    | -1                       |
| <b>SERPINE1</b> | 0                         | -1                    | -1                       |
| <b>IL4R</b>     | 0                         | -1                    | -1                       |
| <b>CCND2</b>    | 0                         | -1                    | -1                       |
| <b>COL1A1</b>   | 0                         | -1                    | -1                       |
| <b>STC2</b>     | 0                         | -1                    | -1                       |
| <b>ABCC3</b>    | 0                         | -1                    | -1                       |
| <b>PTGS1</b>    | 0                         | -1                    | -1                       |
| <b>TMEM155</b>  | 0                         | -1                    | -1                       |
| <b>MRC2</b>     | 0                         | -1                    | -1                       |
| <b>HEG1</b>     | 0                         | -1                    | -1                       |
| <b>SETBP1</b>   | 0                         | -1                    | -1                       |
| <b>IGF2</b>     | 0                         | -1                    | -1                       |
| <b>CXCL3</b>    | 0                         | -1                    | -1                       |
| <b>PAPPA</b>    | 0                         | -1                    | -1                       |
| <b>CNR1</b>     | 0                         | -1                    | -1                       |
| <b>LRRN2</b>    | 0                         | -1                    | -1                       |
| <b>IL1RL1</b>   | 0                         | -1                    | -1                       |
| <b>VDR</b>      | 0                         | -1                    | -1                       |
| <b>PDE7B</b>    | 0                         | -1                    | -1                       |
| <b>TSPAN5</b>   | 0                         | -1                    | -1                       |
| <b>ITGA11</b>   | 0                         | -1                    | -1                       |
| <b>CDH13</b>    | 0                         | -1                    | -1                       |
| <b>CCL2</b>     | 0                         | -1                    | -1                       |

|                 |   |    |    |
|-----------------|---|----|----|
| <b>MTCL1</b>    | 0 | -1 | -1 |
| <b>CREB3L1</b>  | 0 | -1 | -1 |
| <b>ARAP3</b>    | 0 | -1 | -1 |
| <b>KCTD12</b>   | 0 | -1 | -1 |
| <b>PLCB4</b>    | 0 | -1 | -1 |
| <b>COL5A1</b>   | 0 | -1 | -1 |
| <b>FBLN1</b>    | 0 | -1 | -1 |
| <b>PDE1A</b>    | 0 | -1 | -1 |
| <b>UNC5B</b>    | 0 | -1 | -1 |
| <b>FAM167A</b>  | 0 | -1 | -1 |
| <b>KSR1</b>     | 0 | -1 | -1 |
| <b>FIBIN</b>    | 0 | -1 | -1 |
| <b>TIAM1</b>    | 0 | -1 | -1 |
| <b>GAS6-DT</b>  | 0 | -1 | -1 |
| <b>MFAP4</b>    | 0 | -1 | -1 |
| <b>CORO2B</b>   | 0 | -1 | -1 |
| <b>TGFBI</b>    | 0 | -1 | -1 |
| <b>GAS6</b>     | 0 | -1 | -1 |
| <b>GPR161</b>   | 0 | -1 | -1 |
| <b>TMEM44</b>   | 0 | -1 | -1 |
| <b>GPR173</b>   | 0 | -1 | -1 |
| <b>ZNF521</b>   | 0 | -1 | -1 |
| <b>TNFRSF1B</b> | 0 | -1 | -1 |
| <b>CLSTN3</b>   | 0 | -1 | -1 |
| <b>GALNT5</b>   | 0 | -1 | -1 |
| <b>GEPT2</b>    | 0 | -1 | -1 |
| <b>SCARA3</b>   | 0 | -1 | -1 |

|                  |   |    |    |
|------------------|---|----|----|
| <b>MT1X</b>      | 0 | -1 | -1 |
| <b>COL7A1</b>    | 0 | -1 | -1 |
| <b>SPOCK1</b>    | 0 | -1 | -1 |
| <b>AFF2</b>      | 0 | -1 | -1 |
| <b>ZNF469</b>    | 0 | -1 | -1 |
| <b>STMN2</b>     | 0 | -1 | -1 |
| <b>SLC12A8</b>   | 0 | -1 | -1 |
| <b>C1RL-AS1</b>  | 0 | -1 | -1 |
| <b>IL18R1</b>    | 0 | -1 | -1 |
| <b>SHC3</b>      | 0 | -1 | -1 |
| <b>MLPH</b>      | 0 | -1 | -1 |
| <b>FAM43A</b>    | 0 | -1 | -1 |
| <b>NCAM2</b>     | 0 | -1 | -1 |
| <b>ERFE</b>      | 0 | -1 | -1 |
| <b>MAPK13</b>    | 0 | -1 | -1 |
| <b>TNFRSF10C</b> | 0 | -1 | -1 |
| <b>COL11A1</b>   | 0 | -1 | -1 |
| <b>TMEM204</b>   | 0 | -1 | -1 |
| <b>GFRA1</b>     | 0 | -1 | -1 |
| <b>CACNA1G</b>   | 0 | -1 | -1 |
| <b>PTCHD4</b>    | 0 | -1 | -1 |
| <b>PRICKLE1</b>  | 0 | -1 | -1 |
| <b>WNT5A</b>     | 0 | -1 | -1 |
| <b>EPHA3</b>     | 0 | -1 | -1 |
| <b>SLC9A5</b>    | 0 | -1 | -1 |
| <b>PIP5KL1</b>   | 0 | -1 | -1 |
| <b>GLT8D2</b>    | 0 | -1 | -1 |

|                   |   |    |    |
|-------------------|---|----|----|
| <b>SORCS2</b>     | 0 | -1 | -1 |
| <b>CLDN11</b>     | 0 | -1 | -1 |
| <b>PLAU</b>       | 0 | -1 | -1 |
| <b>RORB</b>       | 0 | -1 | -1 |
| <b>ELMO3</b>      | 0 | -1 | -1 |
| <b>ADAM33</b>     | 0 | -1 | -1 |
| <b>ELFN1</b>      | 0 | -1 | -1 |
| <b>GPM6B</b>      | 0 | -1 | -1 |
| <b>IL21R</b>      | 0 | -1 | -1 |
| <b>PTGIR</b>      | 0 | -1 | -1 |
| <b>TENM2</b>      | 0 | -1 | -1 |
| <b>AP003716.1</b> | 0 | -1 | -1 |
| <b>ENPP5</b>      | 0 | -1 | -1 |
| <b>C11orf87</b>   | 0 | -1 | -1 |
| <b>AC144831.1</b> | 0 | -1 | -1 |

**Supplemental Table 5. Gene targets upregulated by anti-miRNA-186 and miRNA-324-5p in transfected adipocytes**

|                  | <b>miRNA-20a-3p mimic</b> | <b>anti-miRNA-186</b> | <b>anti-miRNA-324-5p</b> |
|------------------|---------------------------|-----------------------|--------------------------|
| <b>AKAP12</b>    | 0                         | 1                     | 1                        |
| <b>SFRP4</b>     | 0                         | 1                     | 1                        |
| <b>MRPS35</b>    | 0                         | 1                     | 1                        |
| <b>NDUFB5</b>    | 0                         | 1                     | 1                        |
| <b>SEMA3G</b>    | 0                         | 1                     | 1                        |
| <b>ATP9A</b>     | 0                         | 1                     | 1                        |
| <b>ACSL5</b>     | 0                         | 1                     | 1                        |
| <b>CKMT1A</b>    | 0                         | 1                     | 1                        |
| <b>ZNF426-DT</b> | 0                         | 1                     | 1                        |
| <b>SPATA9</b>    | 0                         | 1                     | 1                        |
| <b>LINC00847</b> | 0                         | 1                     | 1                        |
| <b>LBP</b>       | 0                         | 1                     | 1                        |
| <b>CACUL1</b>    | 0                         | 1                     | 1                        |
| <b>CRYAB</b>     | 0                         | 1                     | 1                        |
| <b>PYGL</b>      | 0                         | 1                     | 1                        |
| <b>NGF-AS1</b>   | 0                         | 1                     | 1                        |
| <b>AOC2</b>      | 0                         | 1                     | 1                        |
| <b>ELOVL5</b>    | 0                         | 1                     | 1                        |
| <b>IGFBP5</b>    | 0                         | 1                     | 1                        |
| <b>DECR1</b>     | 0                         | 1                     | 1                        |
| <b>OSBPL11</b>   | 0                         | 1                     | 1                        |
| <b>CANX</b>      | 0                         | 1                     | 1                        |
| <b>RETSAT</b>    | 0                         | 1                     | 1                        |
| <b>REEP6</b>     | 0                         | 1                     | 1                        |

|                 |   |   |   |
|-----------------|---|---|---|
| <b>VKORC1L1</b> | 0 | 1 | 1 |
| <b>AQP7P1</b>   | 0 | 1 | 1 |
| <b>RXRG</b>     | 0 | 1 | 1 |
| <b>FZD4</b>     | 0 | 1 | 1 |
| <b>PIK3C2B</b>  | 0 | 1 | 1 |

| <b>Supplemental Table 6. Gene targets downregulated by miRNA-20a-3p mimic in transfected human adipocytes</b> |                           |                       |                          |
|---------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|--------------------------|
|                                                                                                               | <b>miRNA-20a-3p mimic</b> | <b>anti-miRNA-186</b> | <b>anti-miRNA-324-5p</b> |
| <b>LIN52</b>                                                                                                  | -1                        | 0                     | 0                        |
| <b>MTMR4</b>                                                                                                  | -1                        | 0                     | 0                        |
| <b>FRAS1</b>                                                                                                  | -1                        | 0                     | 0                        |
| <b>VIT</b>                                                                                                    | -1                        | 0                     | 0                        |
| <b>DCN</b>                                                                                                    | -1                        | 0                     | 0                        |
| <b>DCLK1</b>                                                                                                  | -1                        | 0                     | 0                        |
| <b>LUM</b>                                                                                                    | -1                        | 0                     | 0                        |
| <b>AP001267.5</b>                                                                                             | -1                        | 0                     | 0                        |
| <b>MMP2</b>                                                                                                   | -1                        | 0                     | 0                        |
| <b>SOBP</b>                                                                                                   | -1                        | 0                     | 0                        |
| <b>SCD5</b>                                                                                                   | -1                        | 0                     | 0                        |
| <b>MFAP5</b>                                                                                                  | -1                        | 0                     | 0                        |
| <b>RIPOR2</b>                                                                                                 | -1                        | 0                     | 0                        |
| <b>COMP</b>                                                                                                   | -1                        | 0                     | 0                        |
| <b>ABCA9</b>                                                                                                  | -1                        | 0                     | 0                        |
| <b>SNED1</b>                                                                                                  | -1                        | 0                     | 0                        |
| <b>DGCR6</b>                                                                                                  | -1                        | 0                     | 0                        |
| <b>CNTN3</b>                                                                                                  | -1                        | 0                     | 0                        |
| <b>IFI44</b>                                                                                                  | -1                        | 0                     | 0                        |
| <b>LINC00310</b>                                                                                              | -1                        | 0                     | 0                        |
| <b>NGFR</b>                                                                                                   | -1                        | 0                     | 0                        |
| <b>APCDD1</b>                                                                                                 | -1                        | 0                     | 0                        |
| <b>AC124242.1</b>                                                                                             | -1                        | 0                     | 0                        |
| <b>GALNT13</b>                                                                                                | -1                        | 0                     | 0                        |

|                   |    |   |   |
|-------------------|----|---|---|
| <b>EYA2</b>       | -1 | 0 | 0 |
| <b>FAM78A</b>     | -1 | 0 | 0 |
| <b>DCHS2</b>      | -1 | 0 | 0 |
| <b>CHL1</b>       | -1 | 0 | 0 |
| <b>IGF1</b>       | -1 | 0 | 0 |
| <b>UNC5C</b>      | -1 | 0 | 0 |
| <b>MMP7</b>       | -1 | 0 | 0 |
| <b>HPD</b>        | -1 | 0 | 0 |
| <b>OAS2</b>       | -1 | 0 | 0 |
| <b>C6orf47</b>    | -1 | 0 | 0 |
| <b>SPON1</b>      | -1 | 0 | 0 |
| <b>GSTM5</b>      | -1 | 0 | 0 |
| <b>CYGB</b>       | -1 | 0 | 0 |
| <b>AC073621.1</b> | -1 | 0 | 0 |
| <b>HTR7</b>       | -1 | 0 | 0 |
| <b>FNDC1</b>      | -1 | 0 | 0 |
| <b>USP18</b>      | -1 | 0 | 0 |
| <b>LRRC4C</b>     | -1 | 0 | 0 |
| <b>NINJ2</b>      | -1 | 0 | 0 |
| <b>EFS</b>        | -1 | 0 | 0 |
| <b>DAB2IP</b>     | -1 | 0 | 0 |
| <b>Z83844.3</b>   | -1 | 0 | 0 |
| <b>MEDAG</b>      | -1 | 0 | 0 |
| <b>YPEL4</b>      | -1 | 0 | 0 |
| <b>GRID1</b>      | -1 | 0 | 0 |
| <b>JAM2</b>       | -1 | 0 | 0 |
| <b>LEPR</b>       | -1 | 0 | 0 |

|                  |    |   |   |
|------------------|----|---|---|
| <b>RFX8</b>      | -1 | 0 | 0 |
| <b>SOX9</b>      | -1 | 0 | 0 |
| <b>LINC00475</b> | -1 | 0 | 0 |
| <b>LINC00511</b> | -1 | 0 | 0 |

| <b>Supplemental Table 7. Gene targets upregulated by miRNA-20a-3p mimic in transfected human adipocytes</b> |                           |                       |                          |
|-------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|--------------------------|
|                                                                                                             | <b>miRNA-20a-3p mimic</b> | <b>anti-miRNA-186</b> | <b>anti-miRNA-324-5p</b> |
| <b>TAGLN</b>                                                                                                | 1                         | 0                     | 0                        |
| <b>F2R</b>                                                                                                  | 1                         | 0                     | 0                        |
| <b>TP53I11</b>                                                                                              | 1                         | 0                     | 0                        |
| <b>PCDH7</b>                                                                                                | 1                         | 0                     | 0                        |
| <b>SAA1</b>                                                                                                 | 1                         | 0                     | 0                        |
| <b>NID2</b>                                                                                                 | 1                         | 0                     | 0                        |
| <b>AL590004.3</b>                                                                                           | 1                         | 0                     | 0                        |
| <b>HSPA2</b>                                                                                                | 1                         | 0                     | 0                        |
| <b>SORBS2</b>                                                                                               | 1                         | 0                     | 0                        |
| <b>FLNB</b>                                                                                                 | 1                         | 0                     | 0                        |
| <b>ALDH1A1</b>                                                                                              | 1                         | 0                     | 0                        |
| <b>CCDC80</b>                                                                                               | 1                         | 0                     | 0                        |
| <b>NEDD9</b>                                                                                                | 1                         | 0                     | 0                        |
| <b>ACTA2</b>                                                                                                | 1                         | 0                     | 0                        |
| <b>CCDC3</b>                                                                                                | 1                         | 0                     | 0                        |
| <b>ITGA1</b>                                                                                                | 1                         | 0                     | 0                        |
| <b>CCL20</b>                                                                                                | 1                         | 0                     | 0                        |
| <b>FBLIM1</b>                                                                                               | 1                         | 0                     | 0                        |
| <b>PREX2</b>                                                                                                | 1                         | 0                     | 0                        |
| <b>TRPC6</b>                                                                                                | 1                         | 0                     | 0                        |
| <b>PIEZO2</b>                                                                                               | 1                         | 0                     | 0                        |
| <b>HOXC13</b>                                                                                               | 1                         | 0                     | 0                        |
| <b>CD1D</b>                                                                                                 | 1                         | 0                     | 0                        |
| <b>TNS3</b>                                                                                                 | 1                         | 0                     | 0                        |

|                 |   |   |   |
|-----------------|---|---|---|
| <b>ADGRF5</b>   | 1 | 0 | 0 |
| <b>CXCL1</b>    | 1 | 0 | 0 |
| <b>IL6</b>      | 1 | 0 | 0 |
| <b>SUSD2</b>    | 1 | 0 | 0 |
| <b>SEL1L3</b>   | 1 | 0 | 0 |
| <b>CFHR1</b>    | 1 | 0 | 0 |
| <b>ADAMTS1</b>  | 1 | 0 | 0 |
| <b>EDN1</b>     | 1 | 0 | 0 |
| <b>MYL9</b>     | 1 | 0 | 0 |
| <b>NFASC</b>    | 1 | 0 | 0 |
| <b>COL4A4</b>   | 1 | 0 | 0 |
| <b>ADM</b>      | 1 | 0 | 0 |
| <b>HAND2</b>    | 1 | 0 | 0 |
| <b>GDF7</b>     | 1 | 0 | 0 |
| <b>TFPI2</b>    | 1 | 0 | 0 |
| <b>KCNK6</b>    | 1 | 0 | 0 |
| <b>C1orf198</b> | 1 | 0 | 0 |
| <b>RERG</b>     | 1 | 0 | 0 |
| <b>CRIM1</b>    | 1 | 0 | 0 |
| <b>KRT7</b>     | 1 | 0 | 0 |
| <b>A2M</b>      | 1 | 0 | 0 |
| <b>OLFML2A</b>  | 1 | 0 | 0 |
| <b>ACTC1</b>    | 1 | 0 | 0 |
| <b>SYNE2</b>    | 1 | 0 | 0 |
| <b>FILIP1L</b>  | 1 | 0 | 0 |
| <b>MAP2</b>     | 1 | 0 | 0 |
| <b>ADRA2A</b>   | 1 | 0 | 0 |

|                  |   |   |   |
|------------------|---|---|---|
| <b>SSTR1</b>     | 1 | 0 | 0 |
| <b>CYP1A1</b>    | 1 | 0 | 0 |
| <b>SLIT2</b>     | 1 | 0 | 0 |
| <b>MGP</b>       | 1 | 0 | 0 |
| <b>TGM2</b>      | 1 | 0 | 0 |
| <b>S1PR3</b>     | 1 | 0 | 0 |
| <b>FLT1</b>      | 1 | 0 | 0 |
| <b>CNN1</b>      | 1 | 0 | 0 |
| <b>TMEM158</b>   | 1 | 0 | 0 |
| <b>IL7R</b>      | 1 | 0 | 0 |
| <b>INMT</b>      | 1 | 0 | 0 |
| <b>CXCL5</b>     | 1 | 0 | 0 |
| <b>TET3</b>      | 1 | 0 | 0 |
| <b>NT5E</b>      | 1 | 0 | 0 |
| <b>LIMS2</b>     | 1 | 0 | 0 |
| <b>CHST14</b>    | 1 | 0 | 0 |
| <b>RGS4</b>      | 1 | 0 | 0 |
| <b>RARB</b>      | 1 | 0 | 0 |
| <b>TNFRSF11B</b> | 1 | 0 | 0 |
| <b>INPP4B</b>    | 1 | 0 | 0 |
| <b>ANO3</b>      | 1 | 0 | 0 |
| <b>EGFL7</b>     | 1 | 0 | 0 |
| <b>MEGF6</b>     | 1 | 0 | 0 |
| <b>PRL</b>       | 1 | 0 | 0 |
| <b>HSPB7</b>     | 1 | 0 | 0 |
| <b>SCUBE3</b>    | 1 | 0 | 0 |
| <b>NTN4</b>      | 1 | 0 | 0 |

|                  |   |   |   |
|------------------|---|---|---|
| <b>HOXC12</b>    | 1 | 0 | 0 |
| <b>HOXC13-AS</b> | 1 | 0 | 0 |
| <b>JPH2</b>      | 1 | 0 | 0 |
| <b>NPY1R</b>     | 1 | 0 | 0 |
| <b>LRCH2</b>     | 1 | 0 | 0 |
| <b>TINAGL1</b>   | 1 | 0 | 0 |
| <b>TRIM16L</b>   | 1 | 0 | 0 |
| <b>ANKRD1</b>    | 1 | 0 | 0 |
| <b>FAM83G</b>    | 1 | 0 | 0 |
| <b>AEBP1</b>     | 1 | 0 | 0 |
| <b>TNIK</b>      | 1 | 0 | 0 |
| <b>MGLL</b>      | 1 | 0 | 0 |
| <b>KCNS2</b>     | 1 | 0 | 0 |
| <b>TMEM176B</b>  | 1 | 0 | 0 |
| <b>NRK</b>       | 1 | 0 | 0 |
| <b>C12orf75</b>  | 1 | 0 | 0 |
| <b>GNG11</b>     | 1 | 0 | 0 |
| <b>GRIN2B</b>    | 1 | 0 | 0 |
| <b>LAMA5</b>     | 1 | 0 | 0 |
| <b>MYH11</b>     | 1 | 0 | 0 |
| <b>ITGA3</b>     | 1 | 0 | 0 |
| <b>RIMS3</b>     | 1 | 0 | 0 |
| <b>EMILIN2</b>   | 1 | 0 | 0 |
| <b>MRVI1</b>     | 1 | 0 | 0 |
| <b>CLEC3B</b>    | 1 | 0 | 0 |
| <b>PLD6</b>      | 1 | 0 | 0 |

|                   |   |   |   |
|-------------------|---|---|---|
| <b>TMEM236</b>    | 1 | 0 | 0 |
| <b>SYPL2</b>      | 1 | 0 | 0 |
| <b>WFDC1</b>      | 1 | 0 | 0 |
| <b>AC068547.1</b> | 1 | 0 | 0 |
| <b>UGCG</b>       | 1 | 0 | 0 |
| <b>BMP4</b>       | 1 | 0 | 0 |
| <b>ATF3</b>       | 1 | 0 | 0 |