**Supplemental Table S1**

**List of genes upregulated over three-fold by MEF2C**

HUVEC were transduced with adenoviruses encoding MEF2C (Ad.MEF2C) or control adenoviruses without cDNA inserts (Ad.con) or cultured without virus transduction. 8, 16 and 32 h after transduction total RNA was isolated and subjected to microarray analysis using Affymetrix Human Gene Level 1.0 ST Gene Chips as described in the Methods section. Values for non-infected HUVEC (uninf) represent random expression intensities as measured in the microarray analysis. Changes in gene expression intensities induced in Ad.con- and Ad.MEF2C -infected cultures relative to non-infected HUVEC are displayed in the consecutive columns.

|  |  |  |  |
| --- | --- | --- | --- |
|   | **uninf** | **Ad.con** | **Ad.MEF2C** |
| **Gene**  | **0 h** | **8 h** | **16 h** | **32 h** | **8 h** | **16 h** | **32 h** |
| MEF2C  | 558.5 | 1.01 | 0.95 | 0.77 | 12.42 | 21.96 | 29.05 |
| A2M  | 85.4 | 1.12 | 0.92 | 1.08 | 0.90 | 2.97 | 11.80 |
| RAD51AP1  | 213.2 | 1.01 | 0.48 | 0.06 | 0.53 | 0.75 | 6.24 |
| SELE  | 27.8 | 1.22 | 1.34 | 2.69 | 1.08 | 2.96 | 5.64 |
| STC1  | 39.0 | 1.10 | 1.06 | 1.09 | 0.89 | 1.30 | 3.81 |
| CDRT1  | 60.7 | 0.89 | 0.71 | 0.65 | 0.74 | 1.78 | 3.69 |
| LOC642533  | 116.5 | 1.20 | 0.92 | 0.48 | 0.82 | 0.76 | 3.56 |
| ADAMTS9  | 606.3 | 1.14 | 0.64 | 0.59 | 0.40 | 1.46 | 3.18 |