Supplementary table S1: Changes in mRNA and protein expression induced by HPL-based culture conditions compared to FBS-cultivation of BM-, UC- and WAT-derived stromal cells. Data shown are mean fold change (fc) values ± SD of three biological replicates measured in duplicates (qRT-PCR) or three biological replicates measured in quadruplicates (cell cycle antibody array). \* p < 0.05, \*\* p < 0.01.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene name | qRT-PCR (mRNA fc) | Antibody array (protein fc) | qRT-PCR (mRNA fc) | Antibody array (protein fc) | qRT-PCR (mRNA fc) | Antibody array (protein fc) |
|  | ***BM*** | | ***UC*** | | ***WAT*** | |
| *ABL1* | 2.2 ± 1.4 | 1.1 ± 0.1 | 5.1 ± 3.5 \* | 1.3 ± 0.1 \* | 4.1 ± 1.0 \*\* | 1.4 ± 0.1 \* |
| *APC2* | 7.5 ± 1.0 \*\* | 1.2 ± 0.1 | -1.4 ± 0.3 | -1.3 ± 0.1 \* | 2.2 ± 0.7 \* | 2.0 ± 0.3 \* |
| *CCNA1* | 2.9 ± 1.2 \* | 1.5 ± 0.2 \* | 11.7 ± 3.0 \*\* | 3.5 ± 0.2 \* | 8.6 ± 6.2 \* | 1.8 ± 0.2 \* |
| *CCNB1* | -3.8 ± 1.6\* | 1.1 ± 0.1 | 1.0 ± 0.2 | 1.0 ± 0.1 | 2.3 ± 1.2 \* | 1.6 ± 0.1 \* |
| *CCND1* | 2.3 ± 0.8 \* | 1.3 ± 0.1 \* | 2.0 ± 0.2 \* | 1.6 ± 0,1 \* | -1.6 ± 1.2 | 1.1 ± 0.1 |
| *CCNE1* | -1.4 ± 0.4 | 1.3 ± 0.2 | -1.6 ± 0.5 | 0.8 ± 0.2 | 2.5 ± 1.6 | 1.9 ± 0.2 \* |
| *CDK2* | 4.1 ± 1.5 \* | 1.3 ± 0.2 | 2.1 ± 0.4 \* | 1.3 ± 0.1 \* | 1.3 ± 0.1 \* | 1.2 ± 0.1 |
| *CDK3* | 1.3 ± 0.1 \* | 1.3 ± 0.1 \* | 2.1 ± 0.6 \* | 1.3 ± 0.2 | 2.6 ± 1.6 | 2.4 ± 0.5 \* |
| *CDKN1B – p27* | 3.7 ± 0.7 \* | 1.0 ± 0.1 | 2.1 ± 0.6 \* | 1.3 ± 0.1 \* | 1.9 ± 0.9 | 1.0 ± 0.1 |
| *NUMA* | -1.6 ± 0.4 | 1.1 ± 0.1 | 6.4 ± 4.8 \* | 2.2 ± 0.3 \* | 5.2 ± 2.2 \*\* | 1.7 ± 0.2 \* |