

Additional File 5: Supplementary Table S1. RT-qPCR validation of microarray data.

| Gene | Microarrays | | | | qPCR | | | |
|-------|---------------------|-----------|---------------------|-----------|---------------------|----------------|---------------------|----------------|
| | D2 vs Ctrl | | D3 vs Ctrl | | D2 vs Ctrl | | D3 vs Ctrl | |
| | Log ₂ FC | Adj.P.Val | Log ₂ FC | Adj.P.Val | Log ₂ FC | <i>P</i> value | Log ₂ FC | <i>P</i> value |
| Jag1 | -0.39 | 0.02701 | -0.50 | 7.1E-04 | -0.42 | 0.00021 | -0.56 | 0.00074 |
| Dll3 | -0.49 | 0.00055 | -0.41 | 0.00539 | -0.27 | 0.04417 | -0.22 | 0.02117 |
| Psen1 | ns | - | -0.61 | 0.00068 | ns | - | ns | - |
| Rras2 | 0.90 | 2.2E-12 | 0.79 | 5.6E-11 | 1.89 | 0.00057 | 1.90 | 0.00536 |
| Ngf | 0.55 | 0.00061 | 0.98 | 1.1E-08 | 2.01 | 8.5E-06 | 2.49 | 1.18E-06 |
| Tgfb2 | ns | - | 0.46 | 0.02564 | ns | - | 0.61 | 0.03340 |
| Sox4 | ns | - | -0.38 | 0.01949 | ns | - | -0.24 | 0.01877 |
| Tfeb | ns | - | -0.38 | 0.01989 | -0.16 | 0.03248 | -0.37 | 0.00144 |
| VDR | 0.78 | 5.5E-06 | 0.69 | 0.00004 | 1.92 | 3.5E-06 | 1.88 | 1.2E-06 |

Results for nine genes are shown, comparing expression data from microarrays with respective results from qPCR at 24 h after treatment with vitamin D2 or D3. Results are expressed as log base 2 ratio vs control (Ctrl) and are the mean of quadruplicate samples. Adjusted p-values (Adj.p.val) for microarray data analysis were obtained using LIMMA and *P* values for qPCR data analysis were calculated by Student's t-test.