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**Additional File 6. Validation of gene expression levels by RT-qPCR.** Three genes (*ZNF700*, *HOXA3* and *HOXB3*), belonging to the DNA binding category (GO) after enrichment analysis, were selected for validation of differential expression in DiffNPCs (indicated by RNA sequencing data). Bars represent the log10 fold-change values of expression levels in two biological replicates and their technical replicates (n=4). The mRNA levels were normalized to the expression of *GAPDH*. Statistical analysis was performed in Prism using unpaired t-test with Welch’s correction.

