**Supplementary Table 1.** Targets studied in HOb.

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| **Name** | **Accession** | **Sequence** | **Product length** |
| GADPH (*Gadph)* | NM\_001357943.2 | F: GAGTCAACGGATTTGGTCGTR: TTGATTTTGGAGGGATCTCG | 238 |
| Osterix (*OSX/SP7*) | NM\_001300837.2 | F: GCCAGAAGCTGTGAAACCTCR: AGGGAGATGGGGTACATTCC | 65 |
| Runt-related transcription factor 2 (*RUNX2*) | NM\_001015051.4 | F: TTTGCACTGGGTCATGTGTTR: TGGCTGCATTGAAAAGACTG | 156 |
| Insulin-like growth factor-binding protein 3 (*IBP3*) | NM\_000598.5 | F: CAGAGACTCGAGCACAGCACR: CAACATGTGGTGAGCATTCC | 59 |
| Fibrillin-1 (*FBN1*) | NM\_000138.5 | F: GATACAGCCTGCAGCAATGAR: AGCAGGAAGCTTTGGAAACA | 52 |
| Collagen type III alpha 1 chain (*COL3A1*) | NM\_000090.4 | F: AGGGGAGCTGGCTACTTCTCR: CCTCCTTCAACAGCTTCCTG | 73 |
| Matrix remodeling-associated protein 8 (*MXRA8*) | NM\_001282582 | F: GGCTTCTGTACTGGCTGAGGR: CACCCCAAACCAACTTCACT | 51 |