**Supplemental Table S1.** List of primers used in RT-PCR and RT-qPCR analysis.

|  |  |  |  |
| --- | --- | --- | --- |
| Primer name | Forward primer | Reverse primer | Tann, °Ca |
| TBP | TGCACAGGAGCCAAGAGTGA | ACTTCACATCACAGCTCCCCA | 62.8 |
| VEGFA-iso | TGCGGATCAAACCTCACCAA | CCTCCGGACCCAAAGTGCT | 68.0 |
| VEGFA-total | CCCACTGAGGAGTCCAACATCb | CTGCATTCACATTTGTTGTGCTG | 62.2 |
| VEGFA-intron5 | CCCACTGAGGAGTCCAACATCb | CCCCAACAGAGGTAGCCAAG | 62.2 |
| VEGFA-xxxb | ACGTACTTGCAGATCTCTCACCA | CCTCCGGACCCAAAGTGCT | 68.6 |
| VEGFA-189 | CCCACTGAGGAGTCCAACATCb | AAGGCCCACAGGGAACGC | 62.2 |
| VEGFA-165 | CCCACTGAGGAGTCCAACATCb | AAGGCCCACAGGGATTTTCTT | 62.2 |
| VEGFA-121 | CCCACTGAGGAGTCCAACATCb | TCGGCTTGTCACATTTTTCTTGT | 62.2 |

aTann – annealing temperature for each pair of primers was experimentally optimized to minimize the non-specific amplification without reducing PCR efficiency.

bCommon forward primer in combination with different transcript-specific reverse primers were used to detect different isoforms and transcript variants of VEGFA mRNA.