

Additional file 4

A) Primer sets and TaqMan Probes for human specific real-time RT-PCR

human VEGF-A

TagMan 5'-FAM-actgcatccaatcgagaccctgg-TAMRA-3'

F: 5'-gaagtggatgaagttcatggatgtctat-3' R: 5'-tcagggtactcctggaagatgtc-3'

human VEGF-C

TagMan 5'-FAM-tgccccaccaattacatgtggaataatcac-TAMRA-3'

F: 5'-tgtcaggcagcgaacaagac-3' R: 5'-atcttctgagccagcatct-3'

human PDGF-B

TagMan 5'-FAM-tggtcagggaaccagctccttct-TAMRA-3'

F: 5'-gccgagttggacctgaacat-3' R: 5'-tcttgactcggcgatcat-3'

human podoplanin

TagMan 5'-FAM-tgacaactctggtggcaacaagtgt-TAMRA-3'

F: 5'-ccagcgaagaccgctataagtc-3' R: 5'-ctcgatgcgaatgcctgtta-3'

human GAPDH

TagMan 5'-VIC-caagatcatcagcaatgcctcctgca-TAMRA-3'

F: 5'-gtcatgggtgtgaacctgag-3' R: 5'-actgtggtcatgagtcctcca-3'

B) Primer sets and TaqMan Probes for mouse specific real-time RT-PCR

mouse VEGF-C

TagMan 5'-FAM- tgccagcaacattaccacagtgtcagg-TAMRA-3'

F: 5'- ccggtgcatgtctaaactggat-3' R: 5'- gcatcggcacatgtagtatt-3'

C) Primer sets for human specific RT-PCR

human Podoplanin (AT:60, CN:35)

F: 5'-gatgtggaagggtgcagctc-3' R: 5'-gacctcgtatgcgaatgcct-3'

human HGF (AT:60, CN:30)

F: 5'-ttacgagtggcacatctctata-3' R: 5'-tgactgtggtacattatgtta-3'

human VEGF-D (AT:60, CN:30)

F: 5'-gtggctgttgcaatgaagaga-3' R: 5'-tgcactcaaagcaactgcagtt-3'

human Ang-2 (AT:60, CN:30)

F: 5'-agatcaaggcctactgtgacat-3' R: 5'-caaatacattgtcgttctcc-3'

human GAPDH (AT:60, CN:18)

F: 5'-accagggtgctttaactc-3' R: 5'-tcgccccacttgatttgga-3'

Oligonucleotide sequences of TaqMan probes and primer sets for real-time RT-PCR (A and B) and primer sets for semi-quantitative RT-PCR (C) were listed. All primer sets were designed specifically to react to the species of targets. F, forward primer; R, reverse primer; AT, annealing temperature; CN, cycle number.