

## SUPPLEMENTARY INFORMATION

### Supplementary Table S1:

#### The Primer Sets of Genes Presented in This Study

| HGNC Official Name<br>(Official Symbol) <sup>*1</sup>                         | Accession No. <sup>*2</sup> | Sense / Antisense sequences<br>[Product size (b.p.)]            |
|-------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------|
| Angiopoietin 1<br>(Ang-1)                                                     | NM_001146                   | GGGCACATTTCACATACAG /<br>GAAGGGAACCGAGCCTATTC<br>[180]          |
| Complement Factor H<br>(CFH)                                                  | NM_000186                   | TTGCACACAAGATGGATGGT<br>/GGATGCATCTGGGAGTAGGA<br>[221]          |
| Connective Tissue Growth Factor<br>(CTGF)                                     | NM_001901                   | CATCTTCGGTGGTACGGTGTA /<br>CAGGCAGTTGGCTCTAATCATAG<br>[291]     |
| C-C motif chemokine ligand 2<br>(CCL-2)                                       | NM_002982                   | CAGCCAGATGCAATCAATGC /<br>GTGGTCCATGGAATCCTGAA<br>[197]         |
| Erythropoietin<br>(EPO)                                                       | NM_000799                   | GTCCCAGACACCAAAGTTAA /<br>AGGCCACTGACGGCTTTAT<br>[184]          |
| Glucose Transporter Member 1<br>(GLUT-1)                                      | NM_006516                   | TCAATGCTGATGATGAACCTGCT /<br>GGTGACACTTCACCCACATACA<br>[163]    |
| Homo sapiens hypoxia inducible<br>factor 1 alpha subunit<br>(HIF-1 $\alpha$ ) | NM_181054                   | GCTGGCCCCAGCCGCTGGAG /<br>GAGTGCAGGGTCAGCACTAC<br>[194]         |
| Interleukin 1 beta<br>(IL-1 $\beta$ )                                         | NM_000576                   | TACGAATCTCCGACCACCACTAC /<br>GTACAGGTGCATCGTGCACATAAGC<br>[209] |
| Interleukin 12B<br>(IL-12)                                                    | NM_002187                   | CACATTCCTACTTCTCCCTGAC /<br>CTGAGGTCTTGTCCGTGAAG<br>[92]        |
| Matrix Metalloproteinase 9<br>(MMP-9)                                         | NM_004994                   | GCGGAGATTGGGAACCAGCTGTA /<br>GACGCGCCTGTGTACACCCACA<br>[208]    |
| Opticin<br>(OPTC)                                                             | NM_014359                   | CTCTGCCCCGTGCTGCCCAGT /<br>GGCAAAGGCCCGGGATAGA<br>[156]         |
| Kinase Insert Domain Receptor<br>(VEGFR-2)                                    | NM_002253                   | GCATGGTCTTCTGTGAAGCA /<br>CCAGAGATTCCATGCCACTT<br>[431]         |
| Homo sapiens<br>glyceraldehyde-3-phosphate<br>dehydrogenase<br>(GADPH)        | NM_001289746                | GGGTGTCGCTGTTGAA /<br>CTGAGCTGAACGGGAAG<br>[206]                |

<sup>\*1</sup> The official human gene names/symbols are approved by HUGO Gene Nomenclature Committee (<http://www.genenames.org/about/guidelines>).

<sup>\*2</sup> Accession number identified the sequence record for primer design is referred from NCBI GenBank.