Supplemental Information

Table S1: Primer sequences for the selected genes used for validation of the microarray data using real-time RT–PCR (qRT-PCR)

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| Gene | Primer sequence (5’ – 3’) | PCR product size (bp) |
| *Fibrinogen alpha chain, FGA* (NM\_000508) | Forward:5’- TCGCCCTGTCAGAGACTGTGATGA – 3’Reverse:5’- AGCCATCCTCCCAAACTGGTCTCT – 3’ | 141 |
| *Fibrinogen gamma chain, FGG* (NM\_021870) | Forward:5’- TGGCACAACAGAATTTTGGCTGGGA- 3’Reverse:5’ – TGCAGTACTGGTTCTGCCATTCCA – 3’ | 118 |
| *Cytochrome P450, family 24, subfamily A, polypeptide 1,* *CYP24A1* (NM\_000782) | Forward:5’ – ACCCAAAGGAACAGTGCTCATGC – 3’Reverse:5’ – ACGCCAAATGGAAGATGCGCAAA – 3’  | 144 |
| *Liver expressed antimicrobial peptide 2,* *LEAP2* (NM\_052971) | Forward:5’ – GGGCCAGATAGATGGCTCCCCA – 3’Reverse:5’ – TCCCGGCAGGAGGCTCCAAT – 3’ | 117 |
| *Amphiregulin, AREG* (NM\_001657)  | Forward:5’ – CCCCAAGCCTTCGAGAGCGG – 3’Reverse:5’ – CGGTCTCTGGGGCAACTCGG – 3’ | 109 |
| *Serpin peptidase inhibitor, clade E, member 1,* *SERPINE1* (NM\_000602) | Forward:5’ – CCTCTGAGAACTTCAGGATGCAG – 3’Reverse:5’ – CCTGCTGAAACACCCTCACC – 3’ | 153 |
| *Interferon gamma receptor 1,* *IFNGR1* (NM\_000416) | Forward:5’ – TCGGTAGCAGCATGGCTCTC – 3’Reverse:5’ – TTAGTTGGTGTAGGCACTGAGGA – 3’ | 112 |
| *Annexin A3*, *ANXA3* (NM\_005139) | Forward:5’ – ATCAGGTGGAGTCGAGAGGC – 3’Reverse:5’ - ACACTAATCCAAAGCGCGG – 3’ | 168 |
| *Mevalonate kinase,* *MVK* (NM\_000431) | Forward:5’- TTCCCAGGAGCCATGTTGTC – 3’Reverse:5’ – TACAGCCAGTGCTACCTTGC – 3’ | 105 |
| *24-dehydrocholesterol reductase,* *DHCR24* (NM\_014762) | Forward:5’ - ATGCACTCCGTCCGAAAACT – 3’Reverse:5’ - TCGAAACGCAGCTTGACGTA – 3’ | 126 |
| *Aldehyde dehydrogenase 6 family, member A1, ALDH6A1* (NM\_005589) | Forward:5’ - AGGTCTTGCTCCGCTATCAAC – 3’Reverse:5’ - GGCATGCTCAACCACCTGAAG – 3’ | 137 |
| *Alcohol dehydrogenase 6, ADH6* (NM\_001102470) | Forward:5’ - GGCCAGTTGTTCTTCTCAGGA – 3’Reverse:5’ - ACAGCGGATACATTTTCCAGT – 3’ | 198 |