

# TECHNICAL CONSIDERATIONS WHEN DESIGNING A GENE EXPRESSION PANEL FOR RENAL TRANSPLANT DIAGNOSIS

F Toulza, K Dominy, T Cook, J Galliford, J Beadle, A McLean, C Roufosse

**Supplemental Table S4: Supplemental Table S4. Genes and primer sequences analysed in qRT-PCR experiments**

| Gene                                                                              | Primers                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>HPRT1</b><br><i>Hypoxanthine phosphoribosyltransferase 1</i>                   | 5'-TGAGGATTTGGAAGGGTGT<br>5'-AATCCAGCAGGTCAGCAAAG      |
| <b>CCL4</b><br><i>Chemokine (C-C motif) ligand 4</i>                              | 5'-GCTTCCTCGCAACTTTGTGG<br>5'-GGATTCACTGGGATCAGCACA    |
| <b>CD160</b><br><i>CD160 antigen</i>                                              | 5'-TGCCAGAAGCCAGAAGTCAG<br>5'-AAGCCTGAACTGAGAGTGCC     |
| <b>CDH5</b><br><i>Cadherin 5</i>                                                  | 5'-ACCAGGACGCTTTCACCATT<br>5'-AGGGCTCATGTATCGGAGGT     |
| <b>CX3CR1</b><br><i>chemokine (C-X3-C motif) receptor 1</i>                       | 5'-AAGTCTGAGCAGGACAGGGT<br>5'-GATCCATGGTGAAGGCCTGG     |
| <b>CXCL10</b><br><i>C-X-C motif chemokine ligand 10</i>                           | 5'-AGCAGAGGAACCTCCAGTCT<br>5'-ATGCAGGTACAGCGTACAGT     |
| <b>CXCL11</b><br><i>C-X-C motif chemokine ligand 11</i>                           | 5'-ATAGGCCCTGGGGTAAAAGC<br>5'-CTTGCTTGCTTCGATTGTTGGA   |
| <b>DARC</b><br><i>Duffy Coat Antigen Receptor</i>                                 | 5'-TGACAGCCGTCCCAGCCCTT<br>5'-AGAGCTCCGCCCTGTGCAGA     |
| <b>FGFBP2</b><br><i>Fibroblast Growth Factor binding Protein 2</i>                | 5'-AGAAGAAGGCCTGGGAACAT<br>5'-TTCCAGTGTGAGAACGTTGG     |
| <b>GNLY</b><br><i>Granulysin</i>                                                  | 5'-TGACCAAACACAGGAGCTG<br>5'-GATCTGCTGGGCAGTTTCTC      |
| <b>KLF4</b><br><i>Kruppel like factor 4</i>                                       | 5'-CACACTTGTGATTACGCGGG<br>5'-GCGAATTTCCATCCACAGCC     |
| <b>KLRF1</b><br><i>Killer Cell Lectin-like receptor subfamily F, Member 1</i>     | 5'-GCCACTCAGTATGAGGACACT<br>5'-CCCTTGGTATTTGAGCCATTCTG |
| <b>MLYB1</b><br><i>v-myb myeloblastosis viral oncogene homolog (avian) like 1</i> | 5'-TGAGGATGAGGATGATGACC<br>5'-CCAATCATCAGTTCCATGTTG    |
| <b>PECAM1</b><br><i>Platelet / Endothelial cell Adhesion Molecule 1</i>           | 5'-CCACTGCAGAGTACCAGGTG<br>5'-CCACCTTGGATGGCCTCTTT     |
| <b>PLA1a</b><br><i>phospholipase A1 member A</i>                                  | 5'-CAGCCTCGTGGAGTTTCACT<br>5'-GGGTGGCATGGGCTATGATT     |
| <b>ROBO4</b><br><i>Roundabout guidance receptor 4</i>                             | 5'-GAAGTCAGCTCCACTGTCGT<br>5'-AGGGAGAACTCTCTGGAGGC     |
| <b>SH2D1b (EAT2)</b><br><i>SH2 domain containing 1B</i>                           | 5'-CGAATCTTCAGAGAGAAACACG<br>5'-GGGCTGGTTCTCTTTATTGG   |
| <b>SOX7</b><br><i>Sex determining region Y box 7</i>                              | 5'-GACGAGAGGAAACGGCTGG<br>5'-TACGGCCTCTTCTGGGACAG      |
| <b>vWF</b><br><i>von Willebrand Factor</i>                                        | 5'-AGATGTTTGCCTACGGCTTG<br>5'-CAGCCTGTGACCCTCTTCTC     |