**Supplementary Table 1**. Primers used for cloning the listed genes in different vectors

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| --- | --- | --- | --- |
| Primer | Gene | Primer sequence (5’ – 3’)a | Vector |
| TcNST2-F | *TcNST2* | CGGGCCCTCGAGATGCGGATTTACCTCTTTGGG | pcDNA3.1 (-) |
| TcNST2-R | TcNST2 | CCGGAATTCTTAAGAGTTGTACACAACGATGGC | pcDNA3.1 (-) |
| TcCL400-F | *TcCLB.511277.400* | TCCCCCGGGATGCCAACTTTACAATGGGCT | pcDNA3.1 (-) |
| TcCL400-R | *TcCLB.511277.400* | CCGGAATTCTCAGTGGGTTGGCACGTGAAG | pcDNA3.1 (-) |
| TcCL40-F | *TcCLB.506509.40* | CGGGCCCTCGAGATGCCACGTGAGGTTCAGGTG | pcDNA3.1 (-) |
| TcCL40-R | *TcCLB.506509.40* | CCGGAATTCTTACCTCGATTTAGTTGGCGCATC | pcDNA3.1 (-) |
| CgUGT-F | *CgUGT* | CTAGTCTAGAATGGCAGCGGTTGGGGTTGGC | pcDNA3.1 (-) |
| CgUGT-R | *CgUGT* | CCGGAATTCCTACGAACCCTTCACCTTGGT | pcDNA3.1 (-) |
| TcNST2-FGW | *TcNST2* | GGGGACAAGTTTGTACAAAAAAGCAGGCTTCATGCGGATTTACCTC | pDONR221 |
| TcNST2-RCT | *TcNST2* | GGGGACCACTTTGTACAAGAAAGCTGGGTCAGAGTTGTACACAACGAT | pDONR221 |

a Restriction sites added to the primers and used for cloning are underlined. For cloning the TcCLB.511277.400 gene into the vector pcDNA3.1 (-), a bunt-end PCR product was obtained by amplification with Pfx thermopolymerase (Invitrogen) using the primers TcCL400-F and TcCL400-R. This PCR product was then cleaved with *Eco*RI and joined to the vector previously cut with *Eco*RV/*Eco*RI.