**S1 Table. List of primers used.**

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| --- | --- |
| **Name** | **Sequence 5′>3′** |
| ABCB1\_3435\_F | CCTATGGAGACAACAGCCGG |
| ABCB1\_3435\_R | GGCATGTATGTTGGCCTCCT |
| ABCB1\_PE | CTCCTTTGCTGCCCTCAC |
| OPRM1\_F | GGTTCCTGGGTCAACTTGTC |
| OPRM1\_R | CAGGTCGGTGCGGTTC |
| OPRM1\_PER | ACTGATCGACTTGTCCCACTTAGATGGC |
| OPRM1-SDM-G118-F | GTCAACTTGTCCCACTTAGATGGCGACCTGTCCGACCCATGCGG |
| OPRM1-SDM-G118-R | CCGCATGGGTCGGACAGGTCGCCATCTAAGTGGGACAAGTTGAC |
| OPRM1-seq-primer 118-R | GGATCCAGTTGCAGACATTGA |
| HTR2A\_F | GTAATTCCACTCTGGACACAAACACT |
| HTR2A\_R | AATTTTTTAGGCTGAAGGGTGAAG |
| HTR2A\_PE | GCTTTGGATGGAAGTGCC |
| NAT1\_\*10\_F | CTCACCAGTTATCAACTGACGAC |
| NAT1\_\*10\_R | TTATTAGCCAACAATGTTTTAATATACTTT |
| NAT1\_\*10\_PER | AACCACAGGCCATCTTTAAAA |
| emGFP\_F | TCAAGGAGGACGGCAACATC |
| emGFP\_R | TGTGGCGGGTCTTGAAGTTC |
| Luc\_F | ATCGTGGATTACGTCGCCAGTCAA |
| Luc\_R | TCTTTCCGCCCTTCTTGGCCTTTA |
| β-globin\_F | ACATTTGCTTCTGACACAACT |
| β-globin\_R | CTTGCCCCACAGGGCAGTAACG |
| Actin\_F | GCTCACCATGGATGATGATATCGC |
| Actin\_R | ATAGGAATCCTTCTGACCCATGCC |