**S1 Table: Primers used for T7EI assay, genotyping and expression analysis**

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| **purpose** | **Primer ID** | **sequence 5**’**🡪 3**’ | **product size** |
| T7EI assay | T1 | AGAAAGGCTCATGGGAACAAT | 728 bp |
| T2 | TGGGTAGTGTGAAGGGTTCAT |
| donor detection | P1 | ACGGCCCTATTCTATAGTGTCACC | 376 bp |
| P2 | GACGTGAAGAATGTGCGAGA |
| 5’ junction | P3 | CCTCCTTTCCTTCTACTCAGTTTTAGT | 876 bp |
| P4 | GCCCATGATCACCATCAGCAGACT |
| 3’ junction | P5 | AGCTGCAAGAACTCTTCCTCAC | 1528 bp |
| P6 | TCATAGTAACATATTCCCTGCCCTA |
| *per se* CFTR expression | P7 | GTGATGGAGAATGTAACAGCCTTCTGGG | 470 bp |
| P8 | CCACTCAGTGTGATTCCACCTTCTCC |
| donor derived CFTR expression | P4 | GCCCATGATCACCATCAGCAGACT | 257 bp |
| P7 | GTGATGGAGAATGTAACAGCCTTCTGGG |
| Bisulfite sequencing | B1 | GAAATTAATA AAGTTTGGTTTTTTTT | 360 bp |
| B2 | CCTCTCTTTAAATCCAATTAACAAC |
| Random integration | R1 | ataataccgcgccacatagc (AmpR) | 1339 bp |
| R2 | GCCCATGATCACCATCAGCAGACT |