**Supplementary file 6. Primers for PCR detection of random integration**

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| Primer sets | Sequences (5’–3’) | Products |
| F1/R1 | GGAAAGGACGAAACACCG | 523 bp |
| AGTGAAGCAGAACGTGGG |
| F2/R2 | GGAGCACCTGCCTGAAAT | 536 bp |
| TCCACGATGTTGCCGAAG |
| F3/R3 | CAGCTGGTGCAGACCTACAA | 869 bp |
| CAGGGGGTGATGGTTTCCTC |
| F4/R4 | AGATGATCGCCAAGAGCGAG | 439 bp |
| ATCCCCAGCAGCTCTTTCAC |
| F5/R5 | CAGACAAGCTGTGACCGTCT | 525 bp |
| CCGGCGTCAATACGGGATAA |
| F6/R6 | ATCTACACGACGGGGAGTCA | 707 bp |
| CCGCTTACCGGATACCTGTC |