**Table S1**

|  |  |  |
| --- | --- | --- |
| **Primer application** | **Sense** | **Antisense** |
| 5’ integration screen | caggaagccaaggctatacagagaaaccctgtctcc | cgttggtaatgttttgactcgagacaaggacccc |
| 3’ integration screen | ggggtccttgtctcgagtcaaaacattaccaacg | cctggaactcagagatctgcctgcctgaagtc |
| Genotyping screen preCRE | aggaggaagagtagtggatttcaagg | cgagccatagagataccctgtgg |
| Genotyping screen postCRE\* | aggaggaagagtagtggatttcaagg | cttttctggattcatcgactgtgg |

\*PCR reaction contained three primers: PreCRE antisense, PostCRE sense and antisense