| Primer name  | Sequence 5' - 3'                  | Annealing temp. °C | Elongation time (s) | Reference |
|-------------|-----------------------------------|--------------------|---------------------|-----------|
| hlb_fwd     | ATGGTGAAAAAAAATCCAAATTCAATCCAC   | 50                 | 60                  | This study|
| hlb_rev     | CTTATTTACTATAGGCTTTTGATGGAATGG   |                    |                     |           |
| Sak_fwd     | GTGCATCAAGTTCAATTCTCGAC           | 49                 | 30                  |           |
| Sak_rev     | TAAGCTTCAATCCAGGCTTTTT           |                    |                     | (4)       |
| attPst_fwd  | TCTAGCTCTTTTGGGTGACATTCC         | 49                 | 30                  |           |
| attPst_rev  | GCTTTGAAATTCACGCTGAG             |                    |                     |           |
| Pta_fwd     | AGAAGCAATCTGATGGCGA               | 55                 | 10                  |           |
| Pta_rev     | ACCTGGCGCTTTTTTCTCAG             |                    |                     |           |
| Φ13 attR_fwd| CTCCAAACCCAAATAATCCTGTGTAC       | 55                 | 10                  | This study|
| Hlb attR_rev| CGAGTACAGGTGTTTGATAAGATATTC      | 55                 | 10                  | This study|

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