

Table S1: Oligonucleotides used in this study

Primers	Sequence
Primers used for checking the O139 specific region*	
PCR1A	5'-TTGCTGCCAATCATGCCAGCGCCGCC-3'
PCR1B	5'-CCATGTTTGCCGGTGTGGGCAGTGAGC-3'
PCR2A	5'-GCTCACTGCCACACCGGCAAACATGG-3'
PCR2B	5'-GGCTAAGTGTCCGTAAGATATATCCTTGGG-3'
PCR3A	5'-CCCAAGGATATATCTTACGGACACTTAGCC-3'
PCR3B	5'-CGTCTTGACCAGTTACACCAGTGATAAGGG-3'
PCR4A	5'-CCCTTATCACTGGTGTAAGTGGTCAAGACG-3'
PCR4B	5'-CCTGCTCCTCGCTCAACATTCGGTAATTAATCG-3'
PCR5A	5'-CGATTAATTACCGAAATGTTGAGCGAGGAGCAGG-3'
PCR5B	5'-TATAGAGGAATAACAACACTGAGATATCAAGCG-3'
PCR6A	5'-AATGACGCTTGATATCTCAGTTGTTATTCC-3'
PCR6B	5'-CGGCTACCAACACCACCAGACAACACAACAGGGC-3'
PCR7A	5'-GCCCTGTTGTGTTGTCTGGTGGTGTGGTAGCCG-3'
PCR7B	5'-GCAAGCCCAAAAAGGCCGCGAGAAAATCAATTAAGCG-3'
PCR8A	5'-GCTTAATTGATTTTCTCGCGGCCTTTTGGGCTTGC-3'
PCR8B	5'-CCTCGGTAAGTACACGCTCACTCTGCTTGGG-3'
Primers used for checking the O37 specific region [#]	
O37-1A	5'-TTGCTGCCAATCATGCCAGCGCCGCC-3'
O37-1B	5'-CTTCGCCAACTCAATTGGGTGTGATGC-3'
O37-2A	5'-CACCCAATTGAGTTGGCGAAGTCACC-3'
O37-2B	5'-TGAAAAGCCCACGGTCTAAGGCTCC-3'
O37-3A	5'-CCTTAGAACCGTGGGCTTTTCAGTCG-3'
O37-3B	5'-ATTAATGAGTTCAATTAAGTCATTCCC-3'
O37-4A	5'-GACTTAATTGAACTCATTAATAACTCG-3'
O37-4B	5'-CTATGTTCTACAGCCACTTGTTAGC-3'
O37-5A	5'-ACTTTAACTCTTGCTAACAAGTGGGC-3'
O37-5B	5'-ACTCCCGCGATAGCTGTTACTGCAGG-3'
O37-6A	5'-ACTCCTGCAGTAACAGCTATCGCGGG-3'

O37-6B	5'-ATGACTTCTTCTTAGTTTTGAATCC-3'
O37-7A	5'-TCAAAACTAAGAAGAAGTCATTTGC-3'
O37-7B	5'-TTCCCTCCGTGATGAACCACTTCC-3'
Primers for the construction of strain VCO139-Kan	
1-wbfB-up-NcoI	5'-GCGCCATGGTGACCCAAGCTCAGCCTTTGGC-3'
2-wbfB-end-OL-Kan	5'-GTAAGCAGACAGTATATTGCTATGCA AAAAATGATCCTAAAGTG-3'
3-kanR-up-OL-wbfB	5'-CATAGCAATATACTGTCTGCTTA CATAAACAGTAATAACAAGG-3'
4-kanR-down-OL-wbfA	5'-GCCAAGTTGAGTCCGCTCATGAATT AATTCTTAGAAAACTCATCG-3'
5-wbfA-start-OL-Kan	5'-ATTCATGAGCGGACTCAACTTG GCAAACCTCAGGGACTTTACATCATGC-3'
6-wbfA-down-SacI	5'-CGCGAGCTCACTTGTTTGCGGGTTGCTATTATTGCCG-3'
Primers for the construction of strain VCO139-Kan Δ IS1358	
1-IS1358-KO-SacI	5'-CGCGAGCTCGATGCAAGAAGCGTATAAAAGTGTTTAGC-3'
2-IS1358-KO	5'-TGAACATTACCGTCATGC GGTTTCCCTGACATCGGCATGTTTCATG-3'
3-IS1358-KO	5'-GGAAACCGCATGACGGTAAT GTTTCATGCGGTTTCCGTGACGTGACGG-3'
4-IS1358-KO-NcoI	5'-GCGCCATGGCATCCACATCCGCTGTGTATTTCAGGAG-3'
Primers for the construction of strain O37-Kan	
1-ORF6-up-XbaI	5'-GCGTCTAGATAAGCGAGGGTATAAACTTCATATCC-3'
2-ORF6-end-OL-Kan	5'-GTAAGCAGACAGTTCATGCAG CAGAGCATTATAAATTAATACTATAAC-3'
3-kanR-up-OL-ORF6	5'-CTGCTGCATGAACTGTCTGCTTACAT AAACAGTAATAACAAGG-3'
4-kanR-down-OL-ORF7	5'-TACTGCTTACATTCCGCTCATGAATTAAT TCTTAGAAAACTCATCG-3'
5-ORF7-start-OL-	5'-ATTCATGAGCGGAATGTAAGCAGT

<u>Kan</u>	ATTAGATACAAAGAGTTTGG-3'
<u>6-ORF7-down-SacI</u>	5'-CGCGAGCTCGTTTTAGTGTGCTCAAGATTTTCGG-3'

* Primer PCR1A – 8B correspond to Fig. 1; from left to right

Primer O37-1A – 7B were designed based on the O37 sequence of Li *et al.* [7]

Supporting references:

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