

	Forward primer sequence 5'-3' *	Reverse primer sequence 5'-3'	Length in nucleotides	Reference
Primers for detection of the ECC and HLGR plasmid				
<i>ccrB</i>	ATTTGTCGCCGACCGATTAAG	ACGATACAAGGCTTTGATTGCT	690	21
<i>aac(6')Ie-aph(2'')Ia</i>	CCAAGAGCAATAAGGGCATAC	ACCCTCAAAAAGCTTTGTTGC	674	23
Primers for detection of circular ECC				
ECC <i>cat</i> circular	TGGAAGGTTGGCATCTGGACCCGCT	TGCGGACCACGCGCAAGAGAA	784	This study
DO circular	ACCCTGATGCTTTCACCAGA	CCTCCAGACTCCGAAGACAG	925	
K59-68 circular	ACCCTGATGCTTTCACCAGA	CCTCCAGACTCCGAAGACAG	924	
Strain specific primers				
<i>menD</i> (specific for UWEC <i>cat</i>)	TGGCGTTAAGGGTCCCGTGC	CAAACCCGATTTGAGACTTTCC	1076	This study
<i>cas9</i> (specific for BM4105-RF)	TTTTTGCTCGACTGAATGAA	CATAAACATTTTTGCTTGG	618	This study
Primers for cloning of ORF1 fragments into pTEW5500ts*				
ORF1UpDel (NheI/HindIII)	AATT <u>CTAGC</u> GTGGCAGCGTTAAATGAAGAAATA	AATT <u>AAGCTT</u> AACCTGCAAAACAAAATAGACC	822	This study
ORF1DnDel (PstI/PvuI)	AATT <u>CTGCA</u> GCTAAGTCAGATAAAACGGAGAA	AATT <u>CGATCG</u> TGCTTGAACCTTGACCAGAAT	842	This study
Primers for checking single and double cross-overs				
ORF1UpF and CmR	CGGGGTTGTTACGTTGTCCAG	AAAGCATTTTCAGGTATAGGTG	1611	This study, 53
CmF and ORF1DnR	GAATGACTTCAAAGAGTTTTATG	TTTATGTTCACTCTCCTTGATGCT	1529	53, this study
ORF1UpF and ORF1DnR	CGGGGTTGTTACGTTGTCCAG	TTTATGTTCACTCTCCTTGATGCT	3147	This study
5500-MCS-IF and 5500-MCS-IIR	GACAATACTGATAAGATAATATAC	GCCGATAACTAAACGAAATAAACG	Negative PCR if plasmid	53

* Restriction sites are underlined