

**Table 2. Additional primers used in this study**

Primer name	Sequence	Purpose	5' addition
<b>Fig. 1</b>			
VarA-F	TGTGTAATGATAGGAGGCTAGGG	clone PSA invertible region	AT CTGCAG ( <i>Pst</i> I)
VarA-R	AGTTACTTTCGGGTGCC	clone PSA invertible region	AT CTGCAG ( <i>Pst</i> I)
C7	GGGGACATTGTCTCTCTTTC	plasmid-derived primer	
A3	ACTTTTTTCGACCTTTTCTAAAAATC	inversion PSA promoter	
A4	ACAAAGGTAAGGCACATTTTTATAAC	inversion PSA promoter	
tsr15-F2	GAATGATAAGCAAAGCATGCG	clone <i>tsr15</i>	AT GGATCC ( <i>Bam</i> HI)
tsr15-R2	ATATATTTAAATTTGCCGCCGATA	clone <i>tsr15</i>	AT GGATCC ( <i>Bam</i> HI)
tsr21-F2	TTATTTGCAACCCGAAAAGATAAT	clone <i>tsr21</i>	TA GGATCC ( <i>Bam</i> HI)
tsr21-R2	GCGAGAAAGATAGATTGATGAAAA	clone <i>tsr21</i>	AA GGATCC ( <i>Bam</i> HI)
tsr24-F2	AACAATATTTCAAGGTGCAAAGGT	clone <i>tsr24</i>	TG GGATCC ( <i>Bam</i> HI)
tsr24-R2	AAAATATCGTGTTCACGGGTTGT	clone <i>tsr24</i>	TG GGATCC ( <i>Bam</i> HI)
ssr2-F2	CGTATTTGAATGAATAGCCGTTTT	clone <i>ssr2</i>	TT GGATCC ( <i>Bam</i> HI)
ssr2-R2	TGTAATCTGCGGTGAATTATGACT	clone <i>ssr2</i>	TC GGATCC ( <i>Bam</i> HI)
<b>Fig. 2</b>			
ssr2-D1	AGTACTGATAACTCCGGTGACTCC	delete <i>ssr2</i> -right flank	CC GGATCC ( <i>Bam</i> HI)
ssr2-D2	CCGGTTTATGAAAACGATGTATTA	delete <i>ssr2</i> -right flank	AT CCATGG ( <i>Nco</i> I)
ssr2-D5	TTTTCCGTACTTACTCTCAAATAAGC	delete <i>ssr2</i> -left flank	CG CCATGG ( <i>Nco</i> I)
ssr2-D6	ATGACATAGATAATGGGAAGAGG	delete <i>ssr2</i> -left flank	GG GGATCC ( <i>Bam</i> HI)
A3	ACTTTTTTCGACCTTTTCTAAAAATC	inversion PSA promoter	
C473	AGAAAACCTCTGGTCTCTTTTG	inversion PSA promoter	
A4	ACAAAGGTAAGGCACATTTTTATAAC	inversion PSA promoter	
B6	GCGCTCAATACACCGCAATACGAATAAC	inversion PSB promoter	
B2	ACAGACTCCTTACCTTTGTTCATCAAACG	inversion PSB promoter	
B4	CCGGAATGCTCTGGCATATTTTTTCAGCTC	inversion PSB promoter	
D6	GTCACCTTTGATACGGACAACTACCCTC	inversion PSD promoter	
D5	GCACTTATGAAAATACCTCTATCTTTGCG	inversion PSD promoter	
D7	GTTTTTCCATCTCAGTTTCATGGCTTCAG	inversion PSD promoter	
E1	GCCTTTTCCGTTGCTTACTG	inversion PSE promoter	
E4	AGGTATAAACTAAATTTGATGTGCAA	inversion PSE promoter	
E3	CGTTGAGGATAACAGCAGCA	inversion PSE promoter	
F3	CCAGTTCAAAGCGGAAGAAG	inversion PSF promoter	
F2	CAGAAGAGAACGAAAACAAAATCA	inversion PSF promoter	
F1	CGTTTCATGTAAGCGGATT	inversion PSF promoter	
G3	ACCGCATAGCGTCAGTCTCT	inversion PSG promoter	
G2	TCGAAACATAAAGCAGACAGA	inversion PSG promoter	
G1	TTTGCTTTGTTCGGTTTTG	inversion PSG promoter	
H3	CGCTCGTTCTTGACGATGTA	inversion PSH promoter	
H2	TGATGAAATTCAGAACCGGATA	inversion PSH promoter	
H1	CTTGCCAGTTCCTCGTATGT	inversion PSH promoter	
<b>Fig. 3</b>			
VarB-F	CGCAAAGATTACTTTTCCATTTACTTCG	clone PSB invertible region	5'AT CTGCAG ( <i>Pst</i> I)
VarB-R	TGCGCTTCGCGGTTGAACG	clone PSB invertible region	5'AT CTGCAG ( <i>Pst</i> I)
VarD-F	TGGAGAGTAATCTTTCAGTGGG	clone PSD invertible region	5'AT CTGCAG ( <i>Pst</i> I)
VarD-R	CAGCGTATATCATTTTCATCAGG	clone PSD invertible region	5'AT CTGCAG ( <i>Pst</i> I)
VarE-F	CAATGTGACAGAATGCTTTTGGG	clone PSE invertible region	5'AT CTGCAG ( <i>Pst</i> I)
VarE-R	ACTTAAGTCCGGGTATGCTTCG	clone PSE invertible region	5'AT CTGCAG ( <i>Pst</i> I)
VarF-F	TAGAAAGGAATCTATCGGTAGGC	clone PSF invertible region	5'AT CTGCAG ( <i>Pst</i> I)
VarF-R	TAGCGAAGCATACTCCCGG	clone PSF invertible region	5'AT CTGCAG ( <i>Pst</i> I)
VarG-F	TATAAAATGTTGCAAAGGTATGAACG	clone PSG invertible region	5'AT CTGCAG ( <i>Pst</i> I)
VarG-R	TACACTTGAAATTCATCACTTGCG	clone PSG invertible region	5'AT CTGCAG ( <i>Pst</i> I)
VarH-F	ATTATGCGCATAGGCGTACG	clone PSH invertible region	5'AT CTGCAG ( <i>Pst</i> I)
VarH-R	ATGCTGAAATGTTATGTGACCGCC	clone PSH invertible region	5'AT CTGCAG ( <i>Pst</i> I)
C7	GGGGACATTGTCTCTCTTTC	plasmid-derived primer	
B2	ACAGACTCCTTACCTTTGTTCATCAAACG	inversion PSB promoter	
B4	CCGGAATGCTCTGGCATATTTTTTCAGCTC	inversion PSB promoter	
D2	TTTTTTAAAGATCCAGACAATTA	inversion PSD promoter	
D4	TTAATTGAACGCAAAGATAGG	inversion PSD promoter	
E2	TGGAGATAAAAGACCACATACAAAA	inversion PSE promoter	
E4	AGGTATAAACTAAATTTGATGTGCAA	inversion PSE promoter	
F2	CAGAAGAGAACGAAAACAAAATCA	inversion PSF promoter	
F4	GCAAAGATAGGGGTATTTTTAGA	inversion PSF promoter	
G2	TCGAAACATAAAGCAGACAGA	inversion PSG promoter	
G4	GATAAGGGGTATTTTCATAATAGCAA	inversion PSG promoter	
H2	TGATGAAATTCAGAACCGGATA	inversion PSH promoter	

H4	TCATTTTTGATGAAATTCAGAACC	inversion PSH promoter	
<b>Fig. 4</b>			
MCR1-1	TGTATCCGGAGGAATGTGTTATAC	inversion MCR1	
MCR1-2	CGAGTGATTTATACGAAAAAGGA	inversion MCR1	
MCR1-3	CAACCTATAATTTCCGGAGTAGG	inversion MCR1	
MCR2-1	GGTATTAATGAGTAGCCACCAC	inversion MCR2	
MCR2-2	CTGTGCGAGAATAAAGATTGTGT	inversion MCR2	
MCR2-3	AGCAGTATATTTTGAAGCGTAGG	inversion MCR2	
MCR3a-1	GTGCTACAGGCTATCCGAGACTAT	inversion MCR3a	
MCR3a-2	TGTACAAAATGCAAAGGGAATAGA	inversion MCR3a	
MCR3a-3	TTAGGGTGAAGGAGTATTTTCTG	inversion MCR3a	
MCR3b-1	GAAGGTAAAACCGATGTCAATAGC	inversion MCR3b	
MCR3b-2	GGGAGCCGATAAACTTCTGATAAT	inversion MCR3b	
MCR3b-3	TACGTAATGCTGCCTACTTTACG	inversion MCR3b	
MCR4a-1	CACTCATGTAGTTCACCATTTTGG	inversion MCR4a	
MCR4a-2	CTGAAGGCCAAAGGAAGATATAAA	inversion MCR4a	
MCR4a-3	CCTGCCGTACTATTGAACGAGTAT	inversion MCR4a	
MCR4b-1	CTACTAGTGATGGGGGTACAGGAG	inversion MCR4b	
MCR4b-2	AACATCATTTTTACTCTCCGCACT	inversion MCR4b	
MCR4b-3	AGCCGACTGGAAGACATAGTTATT	inversion MCR4b	
<b>Additional primers</b>			
MCR1-prom1	GACGTACGTTTAAAAACACATCAA	promoter analysis MCR1	AA GGATCC ( <i>Bam</i> HI)
MCR1-prom2	AACGTACGTTTATTTGTTTACACA	promoter analysis MCR1	AC GGATCC ( <i>Bam</i> HI)
A9	AACTAGATGGAAGAAAAGGGAGGGGTG	PCR-digestion PSA region	GTGG GGATCC( <i>Bam</i> HI)