

**Table S2. Primers used in this study**

Name	Sequence	Used for
5'-B4-R5U5	GGGGACAACCTTTGTATAGAAAAGTT GACGCTGCTGCACCAATCTGGG	Clone 5'-UTR of TgROM5 into pDONR-P4P1r; PCR4 of $\Delta r5$ and related strains
3'-B1r-R5U5	GGGGACTGCTTTTTGTACAAACT TGTCCTGGCGGCAGAGAGGGAG	Clone 5'-UTR of TgROM5 into pDONR-P4P1r
5'-B2r-LoxP-R5U3	GGGGACAGCTTTCTTGTACAAAGTG GATAACTTCGTATAGCATACAT TATACGAAGTTATGCGCGGCGAAGCAGAGAACAG	Clone 3'-UTR of TgROM5 into pDONR-P2rP3
3'-B3-R5U3	GGGGACAACCTTTGTATAATAAAGTTGGCGAATGGAATCGGT TTGC	
5'-B1-LoxP-R5	GGGGACAAGTTTGTACAAAAAAGCAGGC TATAACTTCGTATAGCATACAT TATACGAAGTTATCTCTGCCGCCAGGATGTCGTC	clone R5-Ty/HXGPRT into pDONR-P1P2
3'-B2-HX2	GGGGACCAC TTGTACAAGAAAGCTGG GTCAGCTATGACCATGATTACGCC	
55'-NcoI-RM5	CGCCATGGACGCTGCTGCACCAATCTGGG	clone Exon 1 of ROM5 into pUNIV-KI
53'-EcoRI-RM5	TCTTGGAATTCCTCGGCTGTCGACG	
35'-RM5-EcoRI	GACGTTTCTCGTCGACAGCCGAGG	Clone the rest of ROM5 CDS into pUNIV-KI-Exon1
33'-RM5-Ty-EcoRI	GCGAATTCTTAGTCGAGCGGGTCTGGTTCGTGTGGACC TCTTGGCCTGCCCTCGTCTGCTG	
5'-upR5U5	TTCGGCGTTGCGTCTGCTCTCC	PCR1 of $\Delta r5$ and related strains
3'-antiHA	CGCATAGTCAGGAACATCGTATGGG	
5'-InHX2	CTTGCCGTAGTCTTCAATGGG	PCR2 of $\Delta r5$ and related strains
3'-DnR5U3	CTCCGTAGAAGGACTCTGGC	
35'-RM5-EcoRI	GACGTTTCTCGTCGACAGCCGAGG	PCR3 of $\Delta r5$ and related

3'-antiEX2	GCGACATGCACCTGCCGTTG	strains
3'-ROM5-3'end	GGGGACAACCTTTGTATAATAAAGTTG CAAGATTCGGCCAGCTCATGTCCG	PCR4 of $\Delta r5$ and related strains
5'-HAR4-NcoI	CGCCATGG ATGTACCCATACGATGTTCTG	clone HA- <i>ROM4</i> into pUNIV-KI
3'-R4-EcoRI	GCGAATTCTTACGGTTCAAGGTAATACTGCG	
5'-B4- RM4U5	GGGGACAACCTTTGTATAGAAAAGTT GCGAGGCTAACGACTTGACTTGG	clone 5'UTR of <i>ROM4</i> into pDONR-P4P1r
3'-B1r-RM4U5	GGGGACTGCTTTTTTTGTACAAACT TGCACGACGGCCGAAGTCCACAC	
5'-B2r-loxP-R4U3	GGGGACAGCTTTCTTGTACAAAGTG GATAACTTCGTATAGCATAACAT TATACGAAGTTATACCGTAACGGGTAAACGATGAG	clone the 3'UTR of <i>ROM4</i> into pDONR-P2rP3
3'-B3-R4U3	GGGGACAACCTTTGTATAATAAAGT TGCTTCCACAGGGCACAGTCAAC	
5'-B1-loxP-HAR4	GGGGACAAGTTTGTACAAAAAAGCAGGC TATAACTTCGTATAGCATAACATTATACGAAGTTATCGGCAAAA TGTAACCATACGATGTTCC	clone LoxP-HAR4-HX into pDONR221
3'-B2-HX2	GGGGACCACTTTGTACAAGAAAGCTGG GTCAGCTATGACCATGATTACGCC	
5'-UpR4U5	GAGAGAGGTGGTGCTTTGCG	PCR1 of $\Delta r4$ and related strains
3'-antiHA	CGCATAGTCAGGAACATCGTATGGG	
5'-InHX2	CTTGCCGTAGTCTTCAATGGG	PCR2 of $\Delta r4$ and related strains
3'-DnR4U3	GAGTGAAGGCAGGCCAGAACC	
5'-EndoR4	TTCAACGGTCGCTGCGTGAG	PCR3 of $\Delta r4$ and related strains
3'-EndoR4	ATGAAGACGAGAATGCAGCC	
5'-dRM4	CAGCGTAGTGCCGATTCTAGTG	PCR4 of $\Delta r4$ and related strains
3'-dRM4	AGCACTCCTGATATGTACGGC	

5'-ROM5n-NdeI	CGCATATGTCGTCGAAAGGTGGATCTTCTCG	Clone TgROM5n into pET16b
3'-ROM5n-BamHI	GCGGATCCTTATCTCGGGGAACCGTCTCCGCGTGG	
5'-ROM4n-NheI	AAAGCTAGCGTGTGGACTGCCG	Clone TgROM4n into pET28a
5'-ROM4n-EcoRI	TTTGAATTCAGTAATGTCCTCTGAGAGGGTTG	
5'-B4-R1U5	GGGGACAACCTTTGTATAGAAAAGTTG CGCTCTAGAACTGGCATTACG	clone 5'-UTR of <i>ROM1</i> into pDONR-P4P1r; PCR4 of $\Delta r1$ and related strains
3'-B1r-R1U5	GGGGACTGCTTTTTTGTACAAACTTG GATTCGGGATGAGACAGCGAAG	clone 5'-UTR of <i>ROM1</i> into pDONR-P4P1r
5'-B2r-loxP-R1U3	GGGGACAGCTTCTTGTACAAAGTGG ATAACTTCGTATAGCATAATTATACGAAGTTAT CATTGCCACAGGGATTTGTCCTAC	clone 3'-UTR of <i>ROM1</i> into pDONR-P2rP3
3'-B3-R1U3	GGGGACAACCTTTGTATAATAAAGTTG CAGATGCACATTGATGCATGTGTC	clone 3'-UTR of <i>ROM1</i> into pDONR-P2rP3; PCR4 of $\Delta r1$ and related strains
5'-B1-loxP-HAR1	GGGGACAAGTTTGTACAAAAAAGCAGGC TATAACTTCGTATAGCATAATTATACGAAGTTATGACAAAAT GGCGCGGGTCC	clone loxP-HAR1-HX into pDONR-P1P2
3'- B2-HAR1-3	GGGGACCACTTTGTACAAGAAAGCTGG GTCTGCCAGAACAATTGTCAACC	
5'-UpR1U5-2	ACGAGTGCCGTTTGTGAACTTC	PCR1 of $\Delta r1$ and related strains
3'-AntiHAR1	GCGTAATCTGGAACATCGTATGG	
5'-InHXR1	CAATCGAGCCTTGAGCGTTTCTG	PCR2 of $\Delta r1$ and related strains
3'-DnR1U3	ACAGGAGGCACCAACCATCCTC	
5'-EndoR1	CAGACCTCCGCACAGAGGAC	PCR3 of $\Delta r1$ and related strains
3'-EndoR1	GAGTTGCAGAAGAACGCGGTGG	
5'-EndoR1-2	TACCCTATGGCTTGTGATGG	PCR5 of $\Delta r1$ and related

3'-EndoR1-2	GTGATAGTCGGTGCATACTGG	strains
5'-EndoR1-3	TGTGGTATTGCGGTGGATGC	PCR6 of $\Delta r1$ and related strains
3'-EndoR1-3	TGCTACCTCCATTGAGAGTG	
ROM2-Fw	GTCTTCGCTCTCATCGGTGT	RT-PCR for TgROM2
ROM2-Rv	TAGCACTGTTGCGATCTTGG	
ROM3-Fw	ATTGTGCGAAACCTGCTGTC	RT-PCR for TgROM3
ROM3-Rv	CACCAATGATACCGAAGCCT	
ACT1-Fw	CTATGTACGAGGGCATTGGC	RT-PCR for Actin
ACT1-Rv	GACCTTGATCTTCATGGTGGA	