

Table S3. Oligonucleotides

Name	Sequence (5'-3') ^a	Restriction site ^b
FWPpqsH	CCGCTCGAGGGTCGTGCATGCTTGCCG	XhoI
RVpqsH	TAACTGCAGTTGCTCCTTAGCAGCGGC	PstI
FWPpqsL	TCCGCTCGAGGATCGTCACCGTCAACTG	XhoI
RVpqsL	TAACTGCAGCGTCATGGATGAGTCTCCG	PstI
FWPpqsR	TATAAGCTTAGGCCCTTGGTATTAACG	HindIII
RVpqsR	TATGAATTCCCCTTATTCCTTTTATTG	EcoRI
FWPpchR	TATCTCGAGCGATCTCCGTGGATGCG	XhoI
RVPpchR	TATAAGCTTGGTCATCAGTTTTTCCTGTA	HindIII
FWPphzA1	GGCGGCAAGCTTCTCGTCGCTGTTCGAT	HindIII
RVpphzA1	TTTCCC GGATCCGCTGACCGTTCATGC	BamHI
FWPphzA2	AGCGCAGAATTCCCACCGGCAGCGTTT	EcoRI
RVpphzA2	ACGCAACTGCAGGTGTTCGGTAAACCC	PstI
FWpqsLUP	CCGCTCGAGACCGTGGTCGATGGCGT	XhoI
RVpqsLUP	CCGGAATTCCTCATGGATGAGTCTCC	EcoRI
FWpqsLDOWN	CCGGAATTCCTCGGCTGAACCCGCC	EcoRI
RVpqsLDOWN	TGCTCTAGACCTGTTCAATTACCCGAGCC	XbaI
FWpqsB	CCGCTCGAGCGACCAGGGCTATCGCA	XhoI
FWpqsE	TATGAATTCATGTTGAGGCTTTCGGCTCC	EcoRI
RVpqsE	TATGAGCTCTCAGTCCAGAGGCAGCGC	SacI
FWpqsEΔ1-6	TATGAATTCAGGCTTTCGGCTCC	EcoRI
RVpqsEΔ1-6	TATGAGCTCTGTCCCGTCTCAGTCCAG	SacI
FWpqsENoFrame	TATGAATTCATGGTTGAGGCTTTCGGCTC	EcoRI
RVpqsB	CCGGAATTCCTTATGCATGAGCTTCTCC	EcoRI
FW16SRT	AGTACGGCCGCAAGGTTAAA	-
RV16SRT	CCCAACATCTCACGACACGA	-
FWpchRRT	CTCAGCGCACAGTTCCTTTC	-
RVpchRRT	CGAACACCTTGCGAAAGCC	-
FWpvdSRT	GGAACAACCTGTCTACCCGCA	-
RVpvdSRT	GTAGCTGAGCTGTGCCTTGA	-
FWlecART	CAGGGCAGGTAACGTCGATT	-
RVlecART	CAACCCGGTATTGACCGGAA	-
FWrhlART	CATCTGCTCAACGACGACCGT	-
RVrhlART	TGCCGTTGATGAAATGCACG	-
FWmexGRT	CTGGCGAAGCTGTTTCGACTA	-
RVmexGRT	TTGCTCCAGAAGGTGTGGAC	-
FWnosRRT	AGCTATCGGTGGTCAACGTG	-
RVnosRRT	GCGAGTTCGTTGAGCAGTTC	-

Name	Sequence (5'-3')^a	Restriction site^b
<i>FWhcpCRT</i>	TATCAGGAAGGCCACGAGGA	-
<i>RVhcpCRT</i>	CCACTGGATCTCGACCTTG	-
<i>FWaprXRT</i>	CTGCCGATCAACGTCTCCTT	-
<i>RVaprXRT</i>	TACCGTAGAACTTGGCGCTG	-
<i>FWsodART</i>	GCTGACCATGGAGATCCACC	-
<i>RVsodART</i>	CGACATCACGGTCCAGAACA	-
<i>FWpqsERT</i>	CGGTGTTCCCTGCTGCGTC	-
<i>RVpqsERT</i>	GACGCCAGGACCTGTACG	-
<i>FWphnART</i>	GCGACATGCTCAAGGTCGAT	-
<i>RVphnART</i>	CTGCCGCGATAGCCATCTT	-
<i>FWpqsE-phnA</i>	GTGGGCAGAGCGTCGACT	-
<i>RVpqsE-phnA</i>	GTGCGGTACTCCAGACTTTC	-

^a Engineered restriction sites are underlined.

^b -, no restriction site introduced.