

Table S3. Oligonucleotides used in this study

Primer Name	Primer Sequence (5' – 3')	Purpose
QC vWA C147S-F	cgccctcaatggggaaccggctggctgtagcatcgatagcagctgc aataccgggag	Site-directed mutagenesis
QC vWA C147S-R	ctcccggattgcagctgctatcgatgctaccaagccagccggtcccc attgagggcg	Site-directed mutagenesis
QC vWA C152S-F	ccggctggctggttgcatcgatagcagcagcaataaccgggagagctt attactatac	Site-directed mutagenesis
QC vWA C152S-R	Gtatagtaataagctctcccggtattgctgctgctatcgatgcaaccaag ccagccgg	Site-directed mutagenesis
QC vWA C168S-F	ctatactataaggtaagcgctagcagccctgcacagccggtgagcag ctccaactcc	Site-directed mutagenesis
QC vWA C168S-R	ggagttggagctgctcaccggctgtgcagggctgctagcgcttaccttat aagtatag	Site-directed mutagenesis
QC PiiY1 C232S-F	gtctcacttggggggccctgaacaccagtagcatcgcgccaacagc agaagctgcc	Site-directed mutagenesis
QC PiiY1 C232S-R	ggcagcttctgctgttggcgccgatgctactggtgttcagggccccca agtgagac	Site-directed mutagenesis
QC PiiY1 S300C-F	ccaccgaagacggaaagacatattctgcccgggcccagctatcacatc atgatgac	Site-directed mutagenesis
QC PiiY1 S300C-R	gtcatcatgatgtgatagctggcccggcaggaatatgtctttccgtcttcg gtgg	Site-directed mutagenesis
QC PiiY1C300S F	ccaccgaagacggaaagacatattccagcccgggcccagctatcacat catgatgaccgac	Site-directed mutagenesis
QC PiiY1 C300S R	gtcggatcatgatgatgatagctggcccggctggaatatgtctttccgtct tcgggtgg	Site-directed mutagenesis
QC PiiY1_C232/241S F	gggcctgaacaccagcagcatcgcgccaacagcagaagcagcc aaaacaatgccctg	Site-directed mutagenesis
QC PiiY1_C232/241S_R	cagggcattgtttggctgcttctgctgttggcgccgatgctgctggtgttca gggccc	Site-directed mutagenesis
QC vWA-His C152S F pGEX	ggttggctggatgcatcgattcctcatccaatactggccgcgcttactac tatac	For making point mutation in pGEX plasmid
QC vWA-His C152S R pGEX	gtatagtagtaagcgcgccagttattggatgaggaatcgatgcatcca agccaacc	For making point mutation in pGEX plasmid
vWA5A KI-F	ccagtccaagcttgcattgctgcaggtcgactttccaacatgcgcga ggtgtcactg	For making eukaryotic vWA KI in pMQ30

vWA5A KI-R	attacgaattcgagctcggtagccggggatcctggagctcggttgtccagcagtgcgcc	For making eukaryotic vWA KI in pmQ30
IPCD83 F	gtataccaactgactggagccagcgcATGAAATCGGCACTC CACCAGATCGGCAAG	Forward primer with homology to <i>pilY1</i> from IPCD83. Highlighted region is homologous to region upstream of PA14's <i>pilY1</i> .
IPCD83 R	gagctgtggcgagaagacgtaaggggtcatgTCAGTTCTTTC CTTCGATGGGGCGC	Reverse primer with homology to <i>pilY1</i> from IPCD83. Highlighted region is homologous to region downstream of PA14's <i>pilY1</i> .
<i>pilY1</i> -KI F	tgtaaacgacggccagtgccaagcttcatGCCTGCCATAC CTCTCGACAGCAGGGAT	Forward primer with homology to <i>pilY1</i> to pmQ30 (red).
<i>pilY1</i> -KI R	ccatgattacgaattcgagctcggtagccgggATCCGATAACC TCCGTCGTTGGCTAC	Reverse primer with homology to <i>pilY1</i> to pmQ30 (red).
PAO1 <i>PilY1</i> PA14 up F	gtgccaagcttcatgcctgcaggtcactTTTTCAATACCATC AAGCCCCCAGAGGTC	Forward primer to amplify upstream region of PA14's <i>PilY1</i> . Region in red highlight homology to pmQ30 plasmid
PAO1 <i>PilY1</i> PA14 up R	tcttgccgatctggtggagtaccgatttcatgCGCTGGCTCCAG TCAGTTGGTATACAG	Forward primer to amplify upstream region of PA14's <i>PilY1</i> . Region in red highlight homology to pmQ30 plasmid
<i>PilY1</i> PAO1 gene 14 tail F	ctgtataccaactgactggagccagcgcATGAAATCGGTACT CCACCAGATCGGCAAGA	Forward primer to amplify PAO1's <i>PilY1</i> . Region in red highlight homology upstream of PA14's <i>PilY1</i>
<i>PilY1</i> PAO1 gene 14 tail R	gcgagaagacgtaaggggtcatgTCAGTTCTTTCCTTCG ATGGGGCGCCAGTTC	Reverse primer to amplify PAO1's <i>PilY1</i> . Region in red highlight homology downstream of PA14's <i>PilY1</i>
<i>PilY1</i> PAO1 downstream-F	gaactggcgcccatcgaaggaaagaactgaACATGAACCC CTTACGTCTTCTCGC	Forward primer to amplify downstream region of PA14's <i>PilY1</i> . Region in red highlight homology to PAO1's <i>PilY1</i> plasmid
<i>PilY1</i> PAO1 downstream-R	attacgaattcgagctcggtagccggggatcctGTGAAAAATAG CGCTCTTGAGTAGC	Reverse primer to amplify downstream region of PA14's <i>PilY1</i> . Region in red

		highlight homology to PAO1's PilY1 plasmid
pPilY1-His_pmQ72 F	ctagcgaattcgagctcggtacgaaggagatatacatatgatccaccagattaccgcg	Forward primer to amplify pilY1 and insert in pmQ72 multi-copy plasmid. Regions in green and red represent the RBS and homology to the plasmid, respectively.
pPilY1-His pmQ72 R kpn1	gaggatccccgggtacTCAgtggtgatggtggtggtgtttctcctcgacgaccgccag	Reverse primer to amplify pilY1 and insert in pmQ72 multi-copy plasmid. Regions in blue and red are the His tag and homology to the plasmid, respectively.