SUPPORTING INFORMATION

The Type VI secretion TssEFGK-VgrG phage-like baseplate is recruited to the TssJLM membrane complex assembly platform for tail tube/sheath polymerization
via multiple contacts and serves as assembly platform for tail tube/sheath polymerization

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Supplemental Table S1. Strains, plasmids and oligonucleotides used in this study.

Strains

Strains	Description and genotype	Source
E. coli K-12		
DH5α	F-, Δ(*argF-lac*)U169, *phoA*, *supE44*, Δ(lacZ)M15, *relA*, *endA*, *thi*, *hsdR*	New England Biolabs
W3110	F-, lambda- IN(*rrnD-rrnE*)1 *rph*-1	Laboratory collection
BTH101	F-, *cya-99, araD139, galE15, galK16, rpsL1 (Str r), hsdR2, mcrA1, mcrB1.*	Karimova *et al.*, 1998
Enteroaggregative *E. coli*		
17-2	WT enteroaggregative *Escherichia coli*	Arlette Darfeuille-Michaud
17-2Δ*sci-1*	17-2 deleted of the whole *sci-1* gene cluster	Brunet *et al.,* 2014
17-2Δ*tssA*	17-2 deleted of the *tssA* gene of the *sci1* T6SS gene cluster	This study
17-2Δ*tssBC*	17-2 deleted of the *tssB* and *tssC* genes of the *sci1* T6SS gene cluster	This study
17-2Δ*tssE*	17-2 deleted of the *tssE* gene of the *sci1* T6SS gene cluster	This study
17-2Δ*tssF*	17-2 deleted of the *tssF* gene of the *sci1* T6SS gene cluster	This study
17-2Δ*tssG*	17-2 deleted of the *tsG* gene of the *sci1* T6SS gene cluster	This study
17-2Δ*tssFG*	17-2 deleted of the *tssF* and *tssG* genes of the *sci1* T6SS gene cluster	This study
17-2Δ*hcp*	17-2 deleted of the *hcp* gene of the *sci1* T6SS gene cluster	Aschtgen *et al.*, 2010
17-2Δ*vgrG*	17-2 deleted of the *vgrG* gene of the *sci1* T6SS gene cluster	Brunet *et al.,* 2014
17-2Δ*tssJ*	17-2 deleted of the *tssJ* gene of the *sci1* T6SS gene cluster	Aschtgen *et al.*, 2008
17-2Δ*tssK*	17-2 deleted of the *tssK* gene of the *sci1* T6SS gene cluster	Zoued *et al.,* 2013

17-2Δ*tssL*	17-2 deleted of the *tssL* gene of the *sci1* T6SS gene cluster	Aschtgen *et al.*, 2010
17-2Δ*tssM*	17-2 deleted of the *tssM* gene of the *sci1* T6SS gene cluster	Aschtgen *et al.*, 2010
17-2Δ*clpV*	17-2 deleted of the *clpV* gene of the *sci1* T6SS gene cluster	Aschtgen *et al.*, 2008
17-2 *tssB-mCh*	*mCherry* inserted upstream the stop codon of *tssB* in 17-2	This study
17-2Δ*tssF tssB-mCh*	*mCherry* inserted upstream the stop codon of *tssB* in 17-2Δ*tssF*	This study
17-2Δ*tssG tssB-mCh*	*mCherry* inserted upstream the stop codon of *tssB* in 17-2Δ*tssG*	This study
17-2 *gfp-tssF*	*gfp-mut2* inserted downstream the start codon of *tssF* in 17-2	This study
17-2Δ*tssBC gfp-tssF*	17-2 *gfp-tssF* deleted of the *tssB* and *tssC* genes	This study
17-2Δ*tssK gfp-tssF*	17-2 *gfp-tssF* deleted of the *tssK* gene	This study
17-2Δ*tssM gfp-tssF*	17-2 *gfp-tssF* deleted of the *tssM* gene	This study
17-2 *tssF-gfp tssB-mCh*	*mCherry* inserted upstream the stop codon of *tssB* in 17-2 *gfp-tssF*	This study
17-2 *tssK-gfp*	*gfp-mut2* inserted upstream the stop codon of *tssK* in 17-2	This study
17-2Δ*tssM tssK-gfp*	17-2 *tssK-gfp* deleted of the *tssM* gene	This study
17-2 *gfp-tssM*	*gfp-mut2* inserted downstream the start codon of *tssM* in 17-2	Durand, Nguyen, Zoued *et al.*, 2015
17-2Δ*tssK gfp-tssM*	17-2 *gfp-tssM* deleted of the *tssK* gene	This study

Plasmids

Vectors	Description	Source
Expression vectors		
pOK12	cloning vector, P15A origin, P*lac*, Kan^R	Vieira & Messing, 1991
pOK-$TssF_{HA}$	*sci1 tssF* cloned into pOK12, C-terminal Hemagglutinin epitope	This study
pOK-Hcp_{HA}	*sci1 hcp* cloned into pOK12, C-terminal Hemagglutinin epitope	Aschtgen *et al.*, 2010
pUC12	cloning vector, ColE1 origin, P*lac*, Amp^R	Vieira & Messing, 1991
pUC-Hcp_{FL}	*sci1 hcp* cloned into pUC12, P*lac*, C-terminal FLAG epitope	Aschtgen *et al.*, 2008
pUC-$HcpC38S_{FL}$	Cys38-to-Ser mutation inserted into pUC-Hcp_{FL}	Brunet *et al.*, 2014
pUC-HcpC38S-Q24C-$A95C_{FL}$	Gln24-to-Cys and Ala95-to-Cys mutations inserted into pUC-$HcpC38S_{FL}$	Brunet *et al.*, 2014
pUC-HcpC38S-G96C-$S158C_{FL}$	Gly96-to-Cys and Ser158-to-Cys mutations inserted into pUC-$HcpC38S_{FL}$	Brunet *et al.*, 2014
pUC-HcpC38S-$G48C_{FL}$	Gly48-to-Cys mutation inserted into pUC-$HcpC38S_{FL}$	Brunet *et al.*, 2014
pBAD33	cloning vector, pACYC184 origin, P*ara*, *araC*, Cm^R	Guzman *et al.*, 1995
pBAD33-$TssF_{FL}$	*sci1 tssF* cloned into pBAD33, C-terminal FLAG epitope	This study
pBAD33-$TssG_{FL}$	*sci1 tssG* cloned into pBAD33, C-terminal FLAG epitope	This study
pBAD33-$TssG_{VSV-G}$	*sci1 tssG* cloned into pBAD33, C-terminal VSV-G epitope	This study
pBAD33-$VgrG_{VSV-G}$	*sci1 vgrG* cloned into pBAD33, C-terminal VSV-G epitope	This study
pBAD33-VgrGΔOB_{VSV-G}	*sci1 vgrG* deleted of the OB domain ($VgrG_{1-573}$ fragment), C-terminal VSV-G epitope	This study
pBAD33-$TssA_{VSV-G}$	*sci1 tssA* cloned into pBAD33, C-terminal VSV-G epitope	This study
pBAD33-$TssE_{VSV-G}$	*sci1 tssE* cloned into pBAD33, C-terminal VSV-G epitope	This study
pBAD33-$TssK_{VSV-G}$	*sci1 tssK* cloned into pBAD33, C-terminal VSV-G epitope	This study
pASK-IBA37	cloning vector, P*tet*, Amp^R	IBA Technology
pASK-IBA37-$TssF_{FL}$	*sci1 tssF* cloned into pASK-IBA37, C-terminal FLAG epitope	This study
pASK-IBA37-$TssG_{FL}$	*sci1 tssG* cloned into pASK-IBA37, C-terminal FLAG epitope	This study
pASK-IBA37-TssF+$TssG_{FL}$	*sci1 tssF* and *tssG* cloned into pASK-IBA37, TssG C-terminal FLAG epitope	This study
pASK-IBA37-$TssFG_{FL}$	*sci1 tssF-tssG* fusion cloned into pASK-IBA37, C-terminal FLAG epitope	This study

pASK-IBA37-TssGF$_{FL}$	*sci1 tssG-tssF* fusion cloned into pASK-IBA37, C-terminal FLAG epitope	This study
pASK-IBA37-TssE$_{FL}$	*sci1 tssE* cloned into pASK-IBA37, C-terminal FLAG epitope	This study
pASK-IBA37-TssMc$_{FL}$	*sci1 tssM* cytoplasmic region (TssM$_{62-360}$ fragment) cloned into pASK-IBA37, C-terminal FLAG epitope	This study
Bacterial Two-Hybrid vectors		
pT18-FLAG	Bacterial Two Hybrid vector, ColE1 origin, P*lac*, T18 fragment of *Bordetella pertussis* CyaA, Amp^R	Battesti & Bouveret, 2008
pT18-TssF	*tssF* cloned upstream the T18 coding sequence in pT18-FLAG	Zoued *et al.*, 2013
pTssF-T18	*tssF* cloned downstream the T18 coding sequence in pT18-FLAG	Zoued *et al.*, 2013
pT18-TssG	*tssG* cloned upstream the T18 coding sequence in pT18-FLAG	Zoued *et al.*, 2013
pTssG-T18	*tssG* cloned downstream the T18 coding sequence in pT18-FLAG	Zoued *et al.*, 2013
pT18-TssF	*tssF* cloned upstream the T18 coding sequence in pT18-FLAG	Zoued *et al.*, 2013
pTssF-T18	*tssF* cloned downstream the T18 coding sequence in pT18-FLAG	Zoued *et al.*, 2013
pT18-TssF+TssG	*tssF* and *tssG* cloned downstream the T18 coding sequence in pT18-FLAG	This study
pTssF+TssG-T18	*tssF* and *tssG* cloned upstream the T18 coding sequence in pT18-FLAG	This study
pT18-Pal	*pal* cloned downstream the T18 coding sequence in pT18-FLAG	Battesti & Bouveret, 2008
pT25-FLAG	Bacterial Two Hybrid vector, p15A origin, P*lac*, T25 fragment of *Bordetella pertussis* CyaA, Kan^R	Battesti & Bouveret, 2008
pT25-TssA	*tssA* cloned upstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pTssA-T25	*tssA* cloned downstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pT25-TssB	*tssB* cloned upstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pTssB-T25	*tssB* cloned downstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pT25-TssC	*tssC* cloned upstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pTssC-T25	*tssC* cloned downstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pT25-TssE	*tssE* cloned upstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pTssE-T25	*tssE* cloned downstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pT25-TssF	*tssF* cloned upstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pTssF-T25	*tssF* cloned downstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pT25-TssG	*tssG* cloned upstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pTssG-T25	*tssG* cloned downstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013

pT25-TssF+TssG	*tssF* and *tssG* cloned downstream the T25 coding sequence in pT25-FLAG	This study
pTssF+TssG-T25	*tssF* and *tssG* cloned upstream the T25 coding sequence in pT25-FLAG	This study
pT25-Hcp	*hcp* cloned upstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pHcp-T25	*hcp* cloned downstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pT25-VgrG	*vgrG* cloned upstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pVgrG-T25	*vgrG* cloned downstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pT25-TssJ$_{sol}$	*tssJ$_{sol}$* (TssJ$_{2-152}$ fragment of the processed form) cloned upstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pTssJ$_{sol}$-T25	*tssJ$_{sol}$* (TssJ$_{2-152}$ fragment of the processed form) cloned downstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pT25-TssK	*tssK* cloned upstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pTssK-T25	*tssK* cloned downstream the T25 coding sequence in pT25-FLAG	Zoued *et al.*, 2013
pT25-TssLc	Cytoplasmic region of *tssL* (TssL$_{1-184}$ fragment) cloned upstream the T25 coding sequence in pT25-FLAG	Durand *et al.*, 2012
pTssLc-T25	Cytoplasmic region of *tssL* (TssL$_{1-184}$ fragment) cloned downstream the T25 coding sequence in pT25-FLAG	Durand *et al.*, 2012
pT25-TssMc	Cytoplasmic region of *tssM* (TssM$_{62-360}$ fragment) cloned upstream T25 in pT25-FLAG	Zoued *et al.*, 2013
pTssMc-T25	Cytoplasmic region of *tssM* (TssM$_{62-360}$ fragment) cloned downstream T25 in pT25-FLAG	Zoued *et al.*, 2013
pTolB-T25	*tolB* cloned upstream the T25 coding sequence in pT25-FLAG	Battesti & Bouveret, 2008

Vectors for chromosomal insertions		
pKD4	One-step gene inactivation vector, Kan^R	Datsenko & Wanner, 2000
pKD4-*gfp*	superfolder-*gfp* cloned downstream the 3'-FRT site of pKD4. Used for chromosomal N-terminal GFP fusion	This study
p*gfp*-KD4	superfolder-*gfp* cloned upstream the 5'-FRT site of pKD4. Used for chromosomal C-terminal GFP fusion	This study
p*m-Ch*-KD4	*mCherry* cloned upstream the 5'-FRT site of pKD4. Used for chromosomal C-terminal mCherry fusion	This study

Oligonucleotides

Name	Destination	Sequence (5' → 3')
For strain construction [a]		
5–Δ*tssA*	deletion of the *tssA* gene	TTACAGGCAATGACGAAGATGCCGGGGATACCGTGGAGGAGACTGACTG ATGTGTAGGCTGGAGCTGCTTCG
3-Δ*tssA*	deletion of the *tssA* gene	TGACTATATCCTGAAATGTTTTGTCCTGAAGATAATGCATGACAGACATCC ATATGAATATCCTCCTTAGTTCC
5–Δ*tssBC*	deletion of the *tssB* and *tssC* genes	GCATCTGCGGTGATGGAACCCCTGAGATGCAGGTTTCACAGGAGAGAGCC GTGTAGGCTGGAGCTGCTTCG
3-Δ*tssBC*	deletion of the *tssB* and *tssC* genes	GCCCCGTCTTCCCATAATGGGCGATAAATCTTCATTTCCCGACACCTGCCG CATATGAATATCCTCCTTAGTTCC
5–Δ*tssE*	deletion of the *tssE* gene	TATTGAAGTATCCGGTAACACCCTGACCCTGTTACCGGTGAAGGATAAAT ATGTGTAGGCTGGAGCTGCTTCG
3-Δ*tssE*	deletion of the *tssE* gene	CATATATCCATCGCTGTTTATTTATTTCTGTTCTGCCCTCCCTGCTCCGGCC ATATGAATATCCTCCTTAGTTCC
5–Δ*tssF*	deletion of the *tssF* gene	GAAGTCAGAGCGCGAGTCTCCGGAACAGTTAGCTTTATTCTGAGAAGATA TGTGTAGGCTGGAGCTGCTTCG
3-Δ*tssF*	deletion of the *tssF* gene	ACAGAAGCGGTAAAAATTAATATACGGAAGCTGTTTCCGGTAACGGGTAA CATATGAATATCCTCCTTAGTTCC
5–Δ*tssG*	deletion of the *tssG* gene	TTACCCGTTACCGGAAACAGCTTCCGTATATTAATTTTTACCGCTTCTGTTG TGTAGGCTGGAGCTGCTTCG
3-Δ*tssG*	deletion of the *tssG* gene	AACGCAATAATCAGACCGTAACCAGCCTTACCAGCGATAATCGCCATTTT CATATGAATATCCTCCTTAGTTCC
5–Δ*tssFG*	deletion of the *tssF* and *tssG* genes	GAAGTCAGAGCGCGAGTCTCCGGAACAGTTAGCTTTATTCTGAGAAGATA TGTGTAGGCTGGAGCTGCTTCG
3-Δ*tssFG*	deletion of the *tssF* and *tssG* genes	AACGCAATAATCAGACCGTAACCAGCCTTACCAGCGATAATCGCCATTTT CATATGAATATCCTCCTTAGTTCC

5–Δ*tssK*	deletion of the *tssK* gene	CAGTGGTTTCGCAGATGCCGAAGGCAAAAGCGTAAGGCAGGTGTCGGGAATGTGTAGGCTGGAGCTGCTTCG
3-Δ*tssK*	deletion of the *tssK* gene	CAGCCGGGATAAAAAATCTGTTCAGCCCGGGAGATAACAGGTTTATTCATCATATGAATATCCTCCTTAGTTCC
5–Δ*tssM*	deletion of the *tssM* gene	GAGAAGAACATTTTATCAGTACTGTTACATCAGGAAACCAGAATGAATAATGTGTAGGCTGGAGCTGCTTCG
3-Δ*tssM*	deletion of the *tssM* gene	CCCGGGGTGTCGTCTGGCATGCACTGAGGAGCGAATGAATGGAAGCCATCCATATGAATATCCTCCTTAGTTCC
5-*tssB-mCherry*	insertion of *mCherry* at the 3' end of *tssB*	CCGGCACTGAGTCAGACGCTGCGTGATGAACTGCGTGCACTGGTGCCGGAAAAGGCGGCAGCGGCCGGCGGAGGG
3-*tssB-mCherry*	insertion of *mCherry* at the 3' end of *tssB*	GCAACGTTCTTTTCTTTCTGTACAGACATCAGCATTTTCTCTCGTAATCCGTTAAACATATGAATATCCTCCTTAGTTCCTATTCCGAAGTTCC
5-*gfp-tssF*	insertion of *gfp-mut2* at the 5' of *tssF*	GGCATGGCTGAAGTCAGAGCGCGAGTCTCCGGAACAGTTAGCTTTATTCTGAGAAGATACGATTGTGTAGGCTGGAGCTGCTTCGAAGTTCCTATAC
3-*gfp-tssF*	insertion of *gfp-mut2* at the 5' of *tssF*	CTTTCCGGCTTCACGCAGATAACGCATTTCAGCGTCAAAATAACGCAGGGTTAAATCGTCCCCTCCGCCGGCCGCTGC
5-*tssK-gfp*	insertion of *gfp-mut2* at the 3' of *tssK*	TTCTACACCCCGGCATCGCTGGGAGATGTGAAACTGGAACTTTTTGCGGTGCTGCGGACAGCAGCGGCCGGCGGAGGG
3-*tssK-gfp*	insertion of *gfp-mut2* at the 3' of *tssK*	GGCTGACCATCAGCCAGCCGGGATAAAAAATCTGTTCAGCCCGGGAGATAACAGGTTTATTCATATGAATATCCTCCTTAGTTCCTATTCCGAAGTTCC
5-*gfp-tssM*	insertion of *gfp-mut2* at the 5' of *tssM*	TTCTCATCCGGAGAAGAACATTTTATCAGTACTGTTACATCAGGAAACCAGAATGAATAACGATTGTGTAGGCTGGAGCTGCTTCGAAGTTCCTATAC
3-*gfp-tssM*	insertion of *gfp-mut2* at the 5' of *tssM*	CACACCAATAAATACAATCCCCGGTCGCCCAAAGCGACCAGACAGACAGGCCAGTTTATTCCCTCCGCCGGCCGCTGC

For plasmid construction [b,c,d]	
IBA37-TssF$_{FL}$-5	GACAAAAATCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATACAAATGGACGATTTAACCCTGCGTTATTTTGACGCTG
IBA37-TssF-FLAG-3	GATGGTGATGGTGATGCGATCCTCTGCTAGCTTA**TTTATCATCGTCGTCTTTATAATC**ACCGGGCAGGCGCGGATTGTG
IBA37-TssG-FLAG-5	GACAAAAATCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATACAAATGTTGCTGGAACA

	AAGCCAGCCAGACCAG
IBA37-TssG-FLAG-3	GATGGTGATGGTGATGCGATCCTCTGCTAGC**TTATTTATCATCGTCGTCTTTATAATC**CCAGCG ATAATCGCCATTTTCCTGAGTCTCC
IBA37-TssFG-FLAG-5	CACAATCCGCGCCTGCCCGGTGGGGGCGGATTGCTGGAACAAA GCCAGCCAGACCAG
IBA37-TssFG-FLAG-3	GATGGTGATGGTGATGCGATCCTCTGCTAGCTTA**TTTATCATCGTCGTCTTTATAATC**CCAGCG ATAATCGCCATTTTCCTGAGTCTCC
IBA37-TssGF-FLAG-5	GACAAAAATCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATACAAATGTTGCTGGAACA AAGCCAGCCAGACCAG
IBA37-TssGF-FLAG-3	CAGCGTCAAAATAACGCAGGGTTAAATCGTCTCCGCCCCCCCAGCGATAATCGCCATTTTCCTGA GTCTCC
IBA37-TssE-FLAG-5	GACAAAAATCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATACAAATGGTGATGCCGCG TCCTTCCCT
IBA37-TssE-FLAG-3	GATGGTGATGGTGATGCGATCCTCTGCTAGCTTA**TTTATCATCGTCGTCTTTATAATC**CGTCTG CACGTAGCGCTGCTG
IBA37-TssMc-FLAG-5	GACAAAAATCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATACAAATGGTGATGAAAAA ATATGTTCAGGAACTGACATATC
IBA37-TssMc-FLAG-3	GATGGTGATGGTGATGCGATCCTCTGCTAGCTTA**CTTGTCATCGTCGTCCTTATAATC**TCTGCG CCAGTTATGACCTGTGCGGGA
pOK-TssF-HA-5	GTCG*GAATTC*GACGATTTAACCCTGCGTTAAAAAGACG
pOK-TssF-HA-3	CTGC*CTCGAG*ACCGGGCAGGCGCGGATTG
BAD33-TssF-5	CTCTCTACTGTTTCTCCATACCCGTTTTTTTGGGCTAGCAGGAGGATTACACCATGGACGATTTAA CCCTGCGTTATTTTGACGCTG
BAD33-TssF-FLAG-3	GGTCGACTCTAGAGGATCCCCGGGTACCTTA**TTTATCATCGTCGTCTTTATAATC**ACCGGGCAG GCGCGGATTGTG
BAD33-TssG-5	CTCTCTACTGTTTCTCCATACCCGTTTTTTTGGGCTAGCAGGAGGATTACACCATGTTGCTGGAAC AAAGCCAGCCAGACCAG
BAD33-TssG-FLAG-3	GGTCGACTCTAGAGGATCCCCGGGTACCTTA**TTTATCATCGTCGTCTTTATAATC**CCAGCGATA ATCGCCATTTTCCTGAGTCTCC
BAD33-TssG-VSVG-3	GGTCGACTCTAGAGGATCCCCGGGTACCTTA**TTTTCCTAATCTATTCATTTCAATATCTGTATA** CCAGCGATAATCGCCATTTTCCTG
BAD33-VgrG-ΔOB-VSVG-5	CTCTCTACTGTTTCTCCATACCCGTTTTTTTGGGCTAGCAGGAGGTATTACACCATGAATCTCACT GACTCCCTGCAAAATGTTTTATCC
BAD33-VgrG-ΔOB-VSVG-3	GGTCGACTCTAGAGGATCCCCGGGTACCTTA**TTTTCCTAATCTATTCATTTCAATATCTGTATA** CTTTCCTTGTGCCTGAGGCTGCATATC

BAD33-VgrG-VSVG-3	GGTCGACTCTAGAGGATCCCCGGGTACCTTA**TTTTCCTAATCTATTCATTTCAATATCTGTATA**TTCTGTTTCTCCATGAATTTTTACCTTCCCAAACTC
BAD33-TssA-5	CTCTCTACTGTTTCTCCATACCCGTTTTTTTGGGCTAGCAGGAGGTATTACACCATGGCTTCCATTCATTCGCTCCTCAGTG
BAD33-TssA-VSVG-3	GGTCGACTCTAGAGGATCCCCGGGTACCTTA**TTTTCCTAATCTATTCATTTCAATATCTGTATA**TGAACTTCCCGAATTGCACAAC
BAD33-TssE-5	CTCTCTACTGTTTCTCCATACCCGTTTTTTTGGGCTAGCAGGAGGTATTACACCATGGTGATGCCGCGTCCTTCCCTTTATG
BAD33-TssE-VSVG-3	GGTCGACTCTAGAGGATCCCCGGGTACCTTA**TTTTCCTAATCTATTCATTTCAATATCTGTATA**CGTCTGCACGTAGCGCTGCTG
BAD33-TssK-5	CTCTCTACTGTTTCTCCATACCCGTTTTTTTGGGCTAGCAGGAGGTATTACACCATGAAGATTTATCGCCCATTATGGGAAGACGGG
BAD33-TssK-VSVG-3	GGTCGACTCTAGAGGATCCCCGGGTACC**TTATTTTCCTAATCTATTCATTTCAATATCTGTATA**TGTCCGCAGCACCGCAAAAAGTTC
T25T18C-5-TssF+G	CGGATAACAATTTCACACAGGAAACAGCTATGACCATGGACGATTTAACCCTGCGTTATTTTGACG
T25C-3- TssF+G	GTTTGCGTAACCAGCCTGATGCGATTGCTGCCAGCGATAATCGCCATTTTCCTGAGTCTC
T18C-3- TssF+G	CCTCGCTGGCGGCTAAGCTTGGCGTAATCCAGCGATAATCGCCATTTTCCTGAGTCTC
T25T18N-3-TssF+G	CGAGGTCGACGGTATCGATAAGCTTGATATCGAATTCTAGTTAACCGGGCAGGCGCGGATTGTG
T25N-5- TssF+G	GGCGGGCTGCAGATTATAAAGATGACGATGACAAGTTGCTGGAACAAAGCCAGCCAGACCAG
T18N-5- TssF+G	CGCCACTGCAGGGATTATAAAGATGACGATGACAAGTTGCTGGAACAAAGCCAGCCAGACCAG
pKD4-*gfp*-5	CGGAATAGGAACTAAGGAGGATATTCATATGTCTAAAGGTGAAGAACTGTTCACCG
pKD4-*gfp*-3	CTGACATGGGAATTAGCCATGGTCCCCTCCGCCGGCCGCTGCTTTGTAGAGCTCATCCATGCCG
p*m-Ch*-KD4-5	GCAGCATTACACGTCTTGAGCGATTGCAGCGGCCGGCGGAGG
p*m-Ch*-KD4-3	CTTCGAAGCAGCTCCAGCCTACACTTACTTGTACAGCTCGTCCATGCCGCC

[a] Sequences corresponding to the downstream and upstream regions of the gene to be deleted underlined.
[b] Sequence annealing on the target gene underlined.
[c] Restriction site *italicized*.
[d] FLAG or VSV-G epitope coding sequence in **Bold.**

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