

Table S1. DNA sequences of the oligonucleotides used in this study

Primer	Sequence 5'-3'	Purpose
s089WF	GGGTGACTCCTTCAAAACCAACATAAGGAGTCACCAGTGTAGGCTGGAGCTGCTTCG	Deletion of <i>s089</i> from SXT
s089WR	GAGTGTACTTGGTTTTTTCATGATGTTCTCCTCGTCATTCGGGGATCCGTCGACC	Deletion of <i>s089</i> from SXT and R391
ssb1WF	GTGTGCACTGAGTTCAACTAAGACGAGGAGAACATCGTGTAGGCTGGAGCTGCTTCG	Deletion of <i>ssb</i> from SXT
ssb1WR	AAGTACTCCCGCTGGGTTAAAGCGTTTTTGTCTCGGATTCGGGGATCCGTCGACC	Deletion of <i>ssb</i> from SXT
R66WF	GGGTGACTCCTTCAAAACCAAAATATGGAGTCACCAGTGTAGGCTGGAGCTGCTTCG	Deletion of <i>s089</i> from R391
ssb2WF	GTGTGCACAGAGTTCAACTAAGACGAGGAGAACATCGTGTAGGCTGGAGCTGCTTCG	Deletion of <i>ssb</i> from R391
ssb2WR	AAGTACTCCCGCTGGGTTAAAGCGTTTTTGTCTCGGATTCGGGGATCCGTCGACC	Deletion of <i>ssb</i> from R391
setD2wF	CTATCGCAATATTTTACATGAAGTGGAGGTCGGTCAATTCGGGGATCCGTCGACC	Deletion of <i>setDC</i> from SXT
setC2wR	CACGGGCGGTGCACAATCAAATCATGTATCAGCATGGTGTAGGCTGGAGCTGCTTCG	Deletion of <i>setDC</i> from SXT
65lacZ42BF	ATTGTCCGGAGTCCACAATGGAAAAACCAAGCTAATCCAAGCCGCTGTTTTACAACGTCGT	LacZ fusion of <i>bet</i> in SXT
65lacZ42BR	AGAATAATCCCGTCAGGGTTAGTAAAATGAATGCGTGGCGGTGTAGGCTGGAGCTGCTTCG	LacZ fusion of <i>bet</i> in SXT
66lacZ42BF	CCTCAAAGGAGACAATATGAAGGTATCGACCTATCACAAGCCGCTGTTTTACAACGTCGT	LacZ fusion of <i>exo</i> in SXT
66lacZ42BR	AGCGCATGAGAAAGGAGCCGAAATCGGCTCCAAGTGAACGGTGTAGGCTGGAGCTGCTTCG	LacZ fusion of <i>exo</i> in SXT
setDF	CTGGAATTCGCAAAGAGTGCCTTTCTATCTA	Construction of pGG2B
setC2R	TTGCTTAAGTAGTACTCTCAAAGTGCACG	Construction of pGG2B
orfZTOPOF	TAATTTGGAGATCTTCCATGACTAA	Construction of pGG7
corfZR	TTACTTTGCAGCTTGCTAAC	Construction of pGG7
6389F	CGATTCCGTAAGCGCACTGACC	Construction of pGG32
6389R	CGAGCAAGCAATCGCAAAAGCG	Construction of pGG32
s089-C	TGCAAAACTGAGCTGGTCG	RT-qPCR <i>s089</i>
s089-D	GTCGTAAGTGTGGCTCTTTG	RT-qPCR <i>s089</i>
ssb-A	TTCCGAGATCGTGGTGGATTAA	RT-qPCR <i>ssb</i>
ssb-B	CAGATGCTTTGTTCACATTAATCAAG	RT-qPCR <i>ssb</i>
bet-A	AAACAAAGTCTCCCTGGATGG	RT-qPCR <i>bet</i>
bet-B	ATGGACCATCTACACGGTAAGG	RT-qPCR <i>bet</i>
exo-A	ACTTTCTTCTGCCGTTATGTGC	RT-qPCR <i>exo</i>
exo-B	GATGCTGTAAGTGCACCCAATA	RT-qPCR <i>exo</i>
orfZ-A	GACTAAATCAGCCTCACTTTTTCG	RT-qPCR <i>orfZ</i>
orfZ-B	CTTTGCAGCTTGCTAACCC	RT-qPCR <i>orfZ</i>
RTlacZF	GTGACGCTCTCGTTGCTGCAT	RT-qPCR <i>lacZ</i>
RTlacZR	CACCCGTCATATAAAGAACTG	RT-qPCR <i>lacZ</i>
s073RT	GCATGACGAGTCACCACGACAG	Reverse transcription <i>s073</i>
TSS89up4	GTTTAAGGAGGCTAGCTACCTC	Primer extension analysis
betTAlacZF1	TAAGGAGTCCACAATGGAAAAACC	Construction of pDPL373
betTAlacZF2	TAACCACTTTGATTGTCCGGAGTCC	Construction of pDPL374
betTAlacZF3	TAAGGGAGTACTTCCCGTCAGG	Construction of pDPL375
exoTAlacZF1	TAAAGGAGACAATATGAAGTTATCG	Construction of pDPL376
exoTAlacZF2	TAATTTCTCTCCCTCGGGGAGTCT	Construction of pDPL377
exoTAlacZF3	TAAAGGGAGTCTCTCTCTCCGTCGG	Construction of pDPL378
lacZTAccommonR	TTATTTTGGACACCAGACCAACTGG	Construction of pDPL plasmids

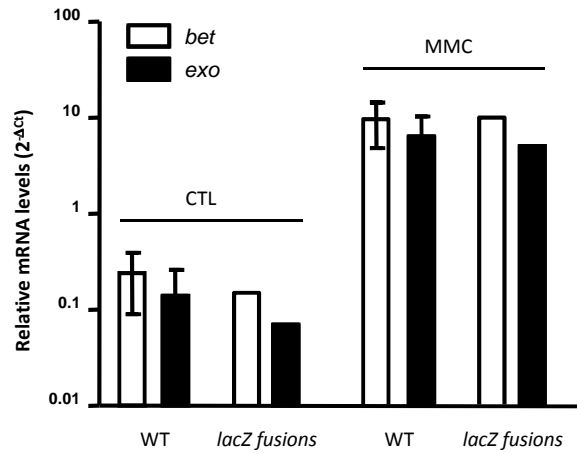


Figure S1. Comparison of mRNA levels of *bet* and *exo* in a WT context and of *lacZ* in the *bet*'-'*lacZ* and *exo*'-'*lacZ* fusions, in control (CTL) and MMC-induced conditions (MMC). Results are expressed as the relative transcription of each gene compared to *rpoZ* ($2^{-\Delta C_t}$).

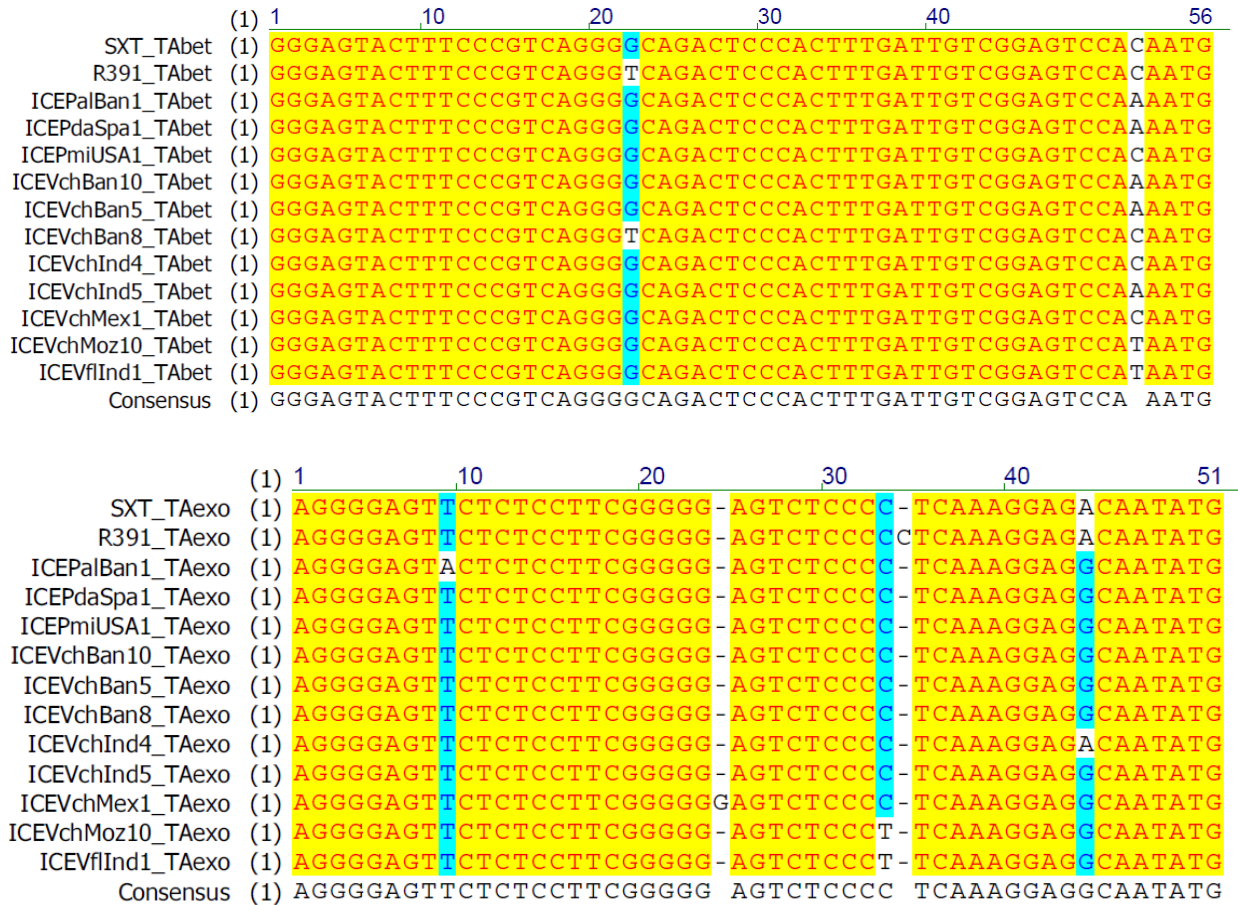


Figure S2. Alignment of the predicted translational attenuators found upstream *bet* (TA β et) and upstream *exo* (TA β exo) in sequenced SXT/R391 ICEs.

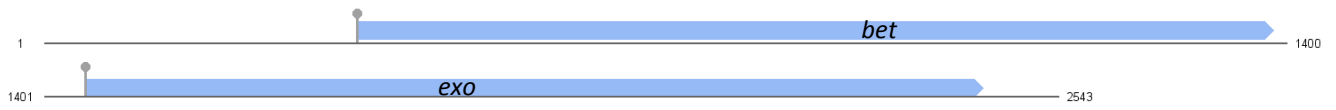


Figure S3. Translational attenuators predicted by RibEx upstream *bet* and *exo* in IncA/C plasmid pIP1202.

	(1)	1	10	20	30	40	50	60	70	80									
SXT Ig bet-orfZ	(1)	CGCCACGCATTCATTTT	ACT	AACCCTGA	CGGGATTA	TTCTC	CGT	CA	GGGGGA	AG	GTCTC	GT	CT	TTTTTT	GGAGA	TCT	T		
SXT Ig orfZ-exo	(1)	-----	CC	ACT	AACCCTGA	AGGG	GAG	TTCTC	TCC	T	GGGGGA	--	GTCTC	CC	CT	CAAA	--	GGAGA	CAAT
Consensus	(1)			ACT	AACCCTGA	GGG		TTCTC	C	T	GGGGGA		GTCTC	CT		GGAGA			T

(81) 882
SXT Ig bet-orfZ (80) CC
SXT Ig orfZ-exo (61) --
Consensus (81)

Section 2

Figure S4. Alignment of the intergenic regions located between *bet* and *orfZ* (Ig bet-orfZ) and between *orfZ* and *exo* (Ig orfZ-exo) in SXT.