

Supplementary Materials: Scalable Reporter Assays to Analyze the Regulation of *stx2* Expression in Shiga Toxin-Producing Enteropathogens

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Table S1. Information for Reporter strain construction.

Strain	Template Plasmid	Forward Primer	Reverse Primer	Proof Primer Fw	Proof Primer Rev
MBK1	pWRG7	Stx2-SFGFP fusion Fw	Stx2_Com fusion Rev	Stx2 operon Fw	Stx2 operon Rev
MBK4	pWRG7	Stx2-SFGFP fusion Fw	Stx2 R/S Com fusion Rev	Stx2 operonFw	R/S outside Rev
MBK6	P3121	Stx2-Luc fusion Fw	Stx2_Com fusion Rev	Stx2 operonFw	Stx2 operon Rev
MBK7	P3121	Stx2-Luc fusion Fw	Stx2 R/S Com fusion Rev	Stx2 operon Fw	R/S outside Rev
MBK22	pMBK3	not applicable (linearized plasmid was used as template DNA)		Stx2A outside Fw	DBS770 outside Rev
JLG6	pWRG701	Stx2-Gluc fusion Fw	Stx2 R/SCom fusion Rev	Stx2A outside Fw	R/S outside Rev
JLG11	pJLG1	Stx2-T7 pol fusion	Stx2_Com fusion Rev	Stx2A outside Fw	Stx2B primer Rev
JLG12	pJLG1	Stx2-T7 pol fusion	Stx2 R/S Com fusion Rev	Stx2A outside Fw	R/S outside Rev

Table S2. Primers used in this study.

Designation	Sequence (5'-3')	Reference
Stx2 operon Fw	GATCGGTATGTTGAGCGTGA	This study
Stx2 operon Rev	TGCTCAGTCTGACAGGCAAC	This study
Stx2-SFGFP fusion Fw	TATATCTGCGCCGGTCTGGTGCTGAT- TACTTCAGCCAAAAGGAACACCTGTATATGCG- CAAAGGCGAAGAACTGTTTAC	This study
Stx2_Com fusion Rev	ATTAACAGAAGCTAATGCAAATAAAACCGCCA- TAAACATCTTCTTCATGCTTAACCTCTCGTGTAGGCTGGAGCTGCTTC	[35]
Stx2 R/S Com fusion Rev	CAGGATTTCTGTATCCGTCCAGGTAAGCAAACCTCATTTTTTCAG- CAAAATATTCTTCCGTGTAGGCTGGAGCTGCTTC	This study
Stx2-Luc fusion Fw	TTATATCTGCGCCGGTCTGGTGCTGAT- TACTTCAGCCAAAAGGAACACCTGTATATGGAA- GACGCCAAAAACATAAGAA	This study
Stx2-Gluc fusion Fw	TTTTATATCTGCGCCGGTCTGGTGCTGAT- TACTTCAGCCAAAAGGAACACCTG- TATATGAAACCGACCGAAAACAACGA	[35]
Stx2-T7 pol fusion	TATATCTGCGCCGGTCTGGTGCTGAT- TACTTCAGCCAAAAGGAACACCTGTATATGAACAC- GATTAACATCGCTAAGAA	This study
Stx2A outside Fw	AGACGGTCAGGGAAGTTCAG	[35]
Stx2B primer Rev	AATCCGGAGCCTGATTCACA	[35]
R/S outside Rev	GAGATGCGCAGAAATGACAA	This study
DBS770 outside Rev	GCGCGGATCCTTCGAATAAA	[35]
GA DBS Stx2 up Fw	GGCTGACATGGGAATTCCTGCAGCCCGGGGATCCTCAGTCAGAAC- GGATGATATTGCAG	[35]
GA DBS Stx2 up Rev	TTCGGTCGGTTTCATATACAGGTGTTTCCTTTGGCTGAAG	[35]
GA DBS GlucKan Fw	AAGGAACACCTGTATATGAAACCGACCGAAAACAACGAAG	[35]
GA DBS GlucKan Rev	AGCTAAGGAAGCTAACGTGTAGGCTGGAGCTGC	[35]

GA DBS Cm dn Fw	GCTCCAGCCTACACGTTAGCTTCCTTAGCTCCTGAAAATCTC	This study
GA DBS Cm dn Rev	AAGCTCAATAAAAAGCCCCACCGCGGTGGCGGCCGCTTGATCCG- CAGGCGCTTAC	This study
