Supplementary Material

Table S1 Information of reference Shiga toxin-producing E. coli genomes obtained from NCBI in this study.

Strain ID	Serotype	Isolation Source	Isolation Country -	GenBank accession nubmer	
				Chromosome	Plasmid
11368	O26:H11	Outbreak strain	Japan	AP010953	AP010954, AP010955
FWSEC0003	O45:H2	Clinical strain	Canada lpha	CP031916	CP031917, CP031918
2011C-4251	O45:H2	Clinical strain	USA	CP027388	CP027389
12009	O103:H2	Clinical strain	Japan	AP010958	AP010959
2015C-3163	O103:H2	Clinical strain	USA	CP027219	CP027220
2013C-4225	O103:H11	Clinical strain	USA	CP027578	CP027578
2013C-3264	O103:H25	Outbreak strain	USA	CP027544	CP027545
2011C-3493	O104:H4	Outbreak strain	USA	CP00328	CP003290,CP003291
16-9255	O121:H19	Outbreak strain	$Canada^{\beta}$	CP022407	CP022408
RM13514	O145:H28	Outbreak strain	USA	CP006027	CP006028, CP006029
Sakai	O157:H7	Outbreak strain	Japan	BA000007	AP018692, AB011548

 $^{^{\}alpha}$ Strain FWSEC0003 was isolated from Halifax, Canada; $^{\beta}$ Strain 16-9255 was isolated from Saskatchewan, Canada.