

Supp_T1

Supplementary Table 1: Isolates included in the scope of this study, with initial microbiological data including serotype, ST, eae presence and stx subtype. SRA accessions are provided and deposited under the short read archive, Bioproject no. PRJNA315192

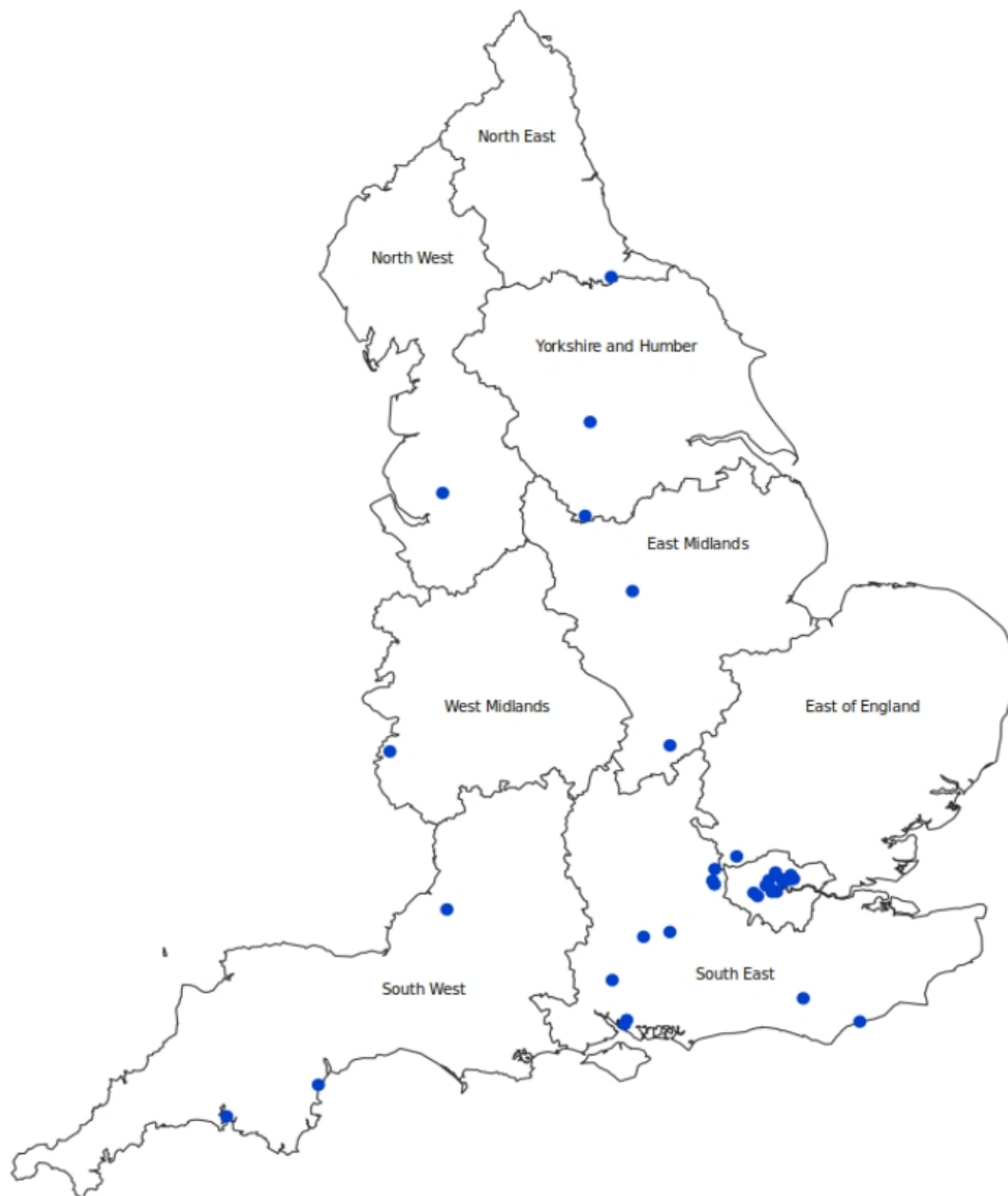
SRA Accession	Country	Clonal Complex	ST	Serotype	EAE	STX Subtype
SRR12062817	England	CC165	301	O80:H2	+	stx2d
SRR3240964	England	CC165	301	O80:H2	+	stx2d
SRR5023804	England	CC165	301	O80:H2	+	stx2d
SRR3241980	England	CC165	301	O132:H2	+	stx1a
SRR3578955	England	CC165	301	O80:H2	+	stx2d
SRR3530809	England	CC165	301	O55:H9	+	stx2d
SRR3579389	England	CC165	301	O80:H2	+	stx2d
SRR3574263	England	CC165	301	O55:H9	+	stx2d
SRR3574219	England	CC165	301	O80:H2	+	stx2d
SRR4897813	England	CC165	301	O80:H2	+	stx2d
SRR16230866	Scotland	CC165	189	O157:H26	+	-
SRR7223149	England	CC165	301	O80:H2	+	stx2d
SRR7265937	England	CC165	301	O80:H2	+	stx2a
SRR7172268	England	CC165	189	O157:H26	+	-
SRR7283728	England	CC165	301	O80:H2	+	stx2d
SRR7286617	England	CC165	301	O80:H2	+	stx2d
SRR6185827	England	CC165	382	O unidentifiable:H5	+	-
SRR7221205	England	CC165	301	O55:H9	+	stx2a
SRR7839374	England	CC165	301	O80:H2	+	stx2d
SRR7835535	England	CC165	189	O157:H26	+	-
SRR7842080	England	CC165	301	O80:H2	+	stx2d
SRR16230867	Wales	CC165	301	O80:H2	+	stx2a
SRR7988738	England	CC165	301	O80:H2	+	stx2d
SRR8087114	England	CC165	301	O80:H2	+	stx2d
SRR8194839	England	CC165	301	O80:H2	+	stx2a
SRR8368697	England	CC165	301	O80:H2	+	stx2d
SRR8513787	England	CC165	301	O45:H2	+	stx2a
SRR8513680	England	CC165	301	O80:H2	+	stx2d
SRR11361742	England	CC165	301	O80:H2	+	stx2d

Supp_T1

SRR9661203	England	CC165	301	O80:H2	+	stx2d
SRR9947523	England	CC165	301	O45:H2	+	stx2a
SRR16230868	Wales	CC165	301	O45:H2	+	stx2a
SRR10386573	England	CC165	301	O80:H2	+	stx2a
SRR10748684	England	CC165	301	O45:H2	+	stx2a
SRR10858674	England	CC165	301	O45:H2	+	stx2a
SRR11361853	England	CC165	301	O80:H2	+	stx2a
SRR16230869	Wales	CC165	301	O80:H2	+	stx2d
SRR12362236	England	CC165	301	O45:H2	+	stx2a
SRR12486101	England	CC165	301	O45:H2	+	stx2a
SRR12503027	England	CC165	301	O55:H9	+	stx2d
SRR12628584	England	CC165	165	O80:H19	-	-
SRR12635475	England	CC165	301	O80:H2	+	stx2d
SRR16230870	Wales	CC165	301	O45:H2	+	stx2a
SRR16203501	Scotland	CC165	301	O80:H2	+	stx2a
SRR16203500	Scotland	CC165	301	O180:H2	+	stx2a
SRR16203499	Scotland	CC165	301	O80:H2	+	stx2d
SRR16203498	Scotland	CC165	301	O80:H2	+	stx2d
SRR16203497	Scotland	CC165	301	O45:H2	+	stx2a

Supplementary Figures

Supplementary Figure 1: Geographical distribution of STEC cases in England (n=34). Blue dot indicates a CC165 STEC case in England where the patient postcode was available from the Extended Questionnaire. Where postcode was not available the lab postcode was used.



Supplementary Figure 2: Minimum Spanning, 7 Gene MLST Tree of Public Health England *Escherichia coli* isolates submitted to Enterobase between January 2014 and January 2021 (n=10469). Key ST's are labelled, with CC165 circled for ease of identification.

