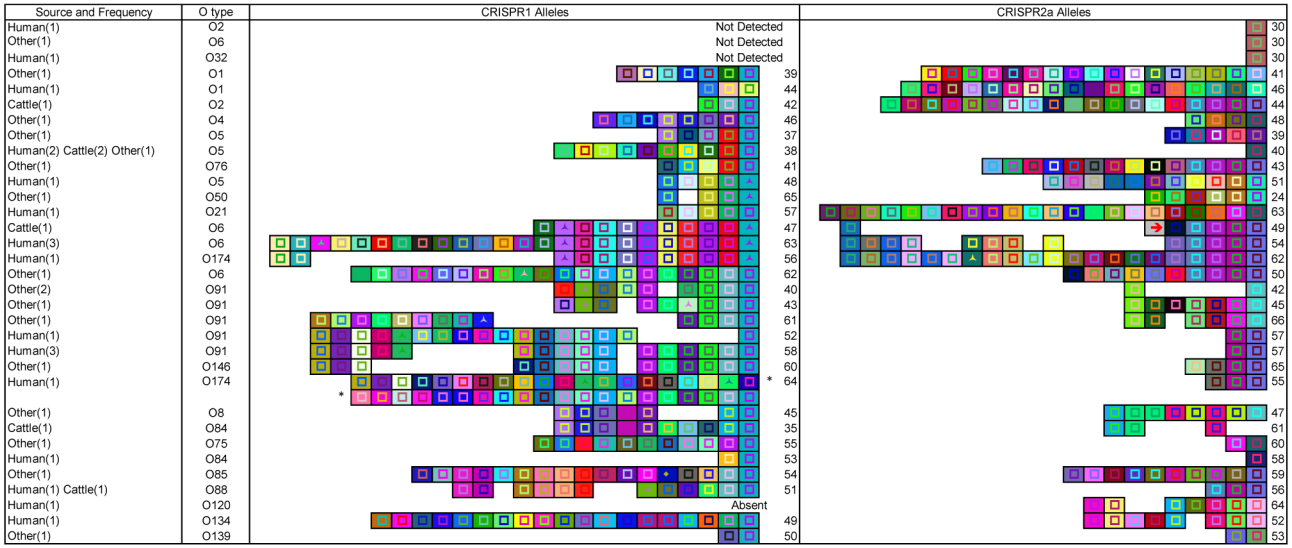

Fig. S1. CRISPR1 and CRISPR2a alleles of non-big six and non-O157 isolates. The isolates source and CRISPR ST frequency are shown in the source column. Other represents isolates sources other than human and cattle (e.g. water, food, rabbit). CRISPR1 and 2a alleles and allele numbers are showing in their respective column. Each unique spacer is represented by a unique color combination of the center shape and background. The shape in the center is determined by the spacer length.(□=32bp, ⅄=33bp, ➔= above 46bp). Gaps are introduced to improve alignment. The * represents breaking of one array into two rows.

Table S1. Primers used to amplify and sequence CRISPR arrays in *E. coli* isolates

Name	Primer Sequences (5'-3')	Note
C1F1[a,b]	TCTCTTCTTTGCAGGGAGGC	Amplification and sequencing CRISPR1
C1F2[a]	GAAAATGTCCCTCCGCGCTTACG	Amplification and sequencing CRISPR1
C1R1	AATAGAACGTCGCTGCCGTGA	Amplification and sequencing CRISPR1
C2bF1	CCTCATGTTCAAAATAGCTCTCCA	Amplification and sequencing CRISPR2b
C2bR1[a]	CGATCCAGAGCTGGTCGAATG	Amplification and sequencing CRISPR2b
C2aF1	GGCATTAATTTTTCGCTGGA	Amplification and sequencing CRISPR2a
C2aR1	GAACATGAGGTGTTACGTGGA	Amplification and sequencing CRISPR2a
C1I1[c]	CCTGGATACGAGAACAAATT	Sequencing internal region of CRISPR1
C1I2[c]	TTACCACCCAGACACTGATA	Sequencing internal region of CRISPR1
C1I3[d]	AACGGGAACAGGGCAAATGT	Sequencing internal region of CRISPR1
C1I4[d]	CTGAAACCAGTTGGCTCGTT	Sequencing internal region of CRISPR1

[a] Primers from Díez-Villaseńor et al (2010)

[b] Forward primer for isolates without CAS-E system

[c] Internal sequencing primer for *E. coli* O6 isolates

[d] Internal sequencing primer for *E. coli* O174 isolates