

**Appendix 1.** Source of human isolates used in this study<sup>a</sup>

FAHRP ID	Source ID	Country	Year	Clinical signs and symptoms	References or source
6	FRIK 528	USA	1998	Diarrhea	<a href="#">1</a>
7	FRIK 579	USA	1998	Diarrhea	<a href="#">1</a>
8	93-001	USA	1999	Hemorrhagic colitis	<a href="#">2</a>
9	ATCC 35150	USA	1999	Hemorrhagic colitis	<a href="#">2</a>
16	91671	USA	1999	Hemorrhagic colitis	<a href="#">2</a>
17	ATCC 43889	USA	1999	Hemorrhagic colitis	<a href="#">2</a>
18	NE 037	USA	1999	Hemorrhagic colitis	<a href="#">2</a>
19	NE 15	USA	1999	Hemorrhagic colitis	<a href="#">2</a>
39	E29962	UK	1991	NR	<a href="#">3</a>
54	CL56	Canada	1991	NR	<a href="#">3</a>
60	E32511	USA	2002	HUS	<a href="#">4</a>
58	EDL933	USA	1982	Hemorrhagic colitis	<a href="#">5</a>
126	02 5225	USA	2002	NR	Washington <sup>b</sup>
127	02 4857	USA	2002	NR	Washington
128	02 6776	USA	2002	NR	Washington
129	02 6579	USA	2002	NR	Washington
130	02 6546	USA	2002	NR	Washington
131	02 6722	USA	2002	NR	Washington
132	02 6598	USA	2002	NR	Washington
133	02 6696	USA	2002	NR	Washington
134	02 6791	USA	2002	NR	Washington
135	02 6829	USA	2002	NR	Washington
136	02 6755	USA	2002	NR	Washington
137	02 6644	USA	2002	NR	Washington
138	06 781	USA	2002	Diarrhea	Idaho <sup>c</sup>
139	06 852	USA	2002	NR	Idaho
140	06 854	USA	2002	Watery diarrhea, vomiting	Idaho
141	06 856	USA	2002	Diarrhea	Idaho
142	06 855	USA	2002	NR	
143	06 886	USA	2002	Diarrhea, abdominal pain	Idaho
144	06 889	USA	2002	Abdominal pain	Idaho
145	06 988	USA	2002	Gastrointestinal bleeding	Idaho
146	07 004	USA	2002	Bloody stool	Idaho
147	07 007	USA	2002	Bloody stool	Idaho
148	07 023	USA	2002	Bloody stool	Idaho
149	07 085	USA	2002	NR	Idaho
150	07 147	USA	2002	NR	Idaho
151	07 154	USA	2002	NR	Idaho
152	O2191230	USA	2002	Diarrhea	Ohio <sup>d</sup>
153	O2191229	USA	2002	Diarrhea	Ohio
154	O2191231	USA	2002	Diarrhea	Ohio
155	O2191294	USA	2002	Diarrhea	Ohio

156	O2190819	USA	2002	Diarrhea	Ohio
157	O2190864	USA	2002	Diarrhea	Ohio
158	O2191309	USA	2002	Diarrhea	Ohio
159	O2191311	USA	2002	Diarrhea	Ohio
160	O2191313	USA	2002	Diarrhea	Ohio
161	O2191361	USA	2002	Diarrhea	Ohio
162	O2191602	USA	2002	Diarrhea	Ohio
163	O2191624	USA	2002	Diarrhea	Ohio
164	O2191541	USA	2002	Diarrhea	Ohio
165	O2191546	USA	2002	Diarrhea	Ohio
166	O2191423	USA	2002	Diarrhea	Ohio
167	O2191509	USA	2002	Diarrhea	Ohio
168	O2191363	USA	2002	Diarrhea	Ohio
169	O2191364	USA	2002	Diarrhea	Ohio
170	O2191365	USA	2002	Diarrhea	Ohio
171	O2191366	USA	2002	Diarrhea	Ohio
172	O2190889	USA	2002	Diarrhea	Ohio
173	O2190893	USA	2002	Diarrhea	Ohio
174	O2191176	USA	2002	Diarrhea	Ohio
175	O2191177	USA	2002	Diarrhea	Ohio
176	O2191623	USA	2002	Diarrhea	Ohio
177	O2191625	USA	2002	Diarrhea	Ohio
178	O2191645	USA	2002	Diarrhea	Ohio
179	O2191675	USA	2002	Diarrhea	Ohio
180	O2191765	USA	2002	Diarrhea	Ohio
181	O2191831	USA	2002	Diarrhea	Ohio

<sup>a</sup>FAHRP, Food Animal Health Research Program, Ohio State University; NR, not reported; HUS, hemolytic uremic syndrome.

<sup>b</sup>Washington State Department of Health isolates.

<sup>c</sup>Idaho Department of Health and Welfare isolates.

<sup>d</sup>Ohio Department of Health isolates.

## Appendix 1 References

1. Gouveia S, Proctor ME, Lee M-S, Luchansky JB, Kaspar CW. [Genomic comparisons and Shiga toxin production among \*Escherichia coli\* O157:H7 Isolates from a day care center outbreak and sporadic cases in southeastern Wisconsin.](#) J Clin Microbiol. 1998;36:727–33.
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3. Dorn CR, Angrick E. [Serotype O157:H7 \*Escherichia coli\* from bovine and meat sources.](#) J Clin Microbiol. 1991;29:1225–31.
4. Schmitt CK, McKee ML, O'Brien AD. [Two copies of Shiga-like toxin II-related genes common in enterohemorrhagic \*Escherichia coli\* strains are responsible for the antigenic heterogeneity of the O157:H- strain E32511.](#) Infect Immun. 1991;59:1065–73. Obtained from the STEC Center, Michigan State University.
5. Perna NT, Mayhew GF, Posfai G, Elliott S, Sonnenberg MS, Kaper JB, et al. [Genome sequence of enterohemorrhagic \*Escherichia coli\* O157:H7.](#) Nature. 2001;409:529–33.

