

Table S1: *E. coli* isolates listed according their farm origin (farm no.), their naming (protocol no.), occurrence of femoral head necrosis (yes/no), serotype, PFGE profile, phylogroup. The attribution to the found MALDI-TOF MS clusters is included.

ID	farm no	protocol no.	femoral head necrosis	serotype	PFGE profile	phylogroup	MALDI cluster
1	1	16/02297- 2 KnoLi 1	no	O2:K1	BR14	B2	3
2		16/02297- 2 KnoLi 2	no	O2:K1	BR14	B2	3
3		16/02297- 2 KnoLi 3	no	O2:K1	BR14	B2	3
4	2	15/22437- 2 KnoRe 1	yes	neg	BR35	A	2
5		15/22437- 2 KnoRe 2	yes	neg	BR23	D	2
6		15/22437- 2 KnoRe 3	yes	neg	nt	D	2
7	3	15/23061- 1 KnoRe 1	yes	neg	BR28	D	2
8		15/23061- 1 KnoRe 2	yes	neg	BR28	D	2
9		15/23061- 1 KnoRe 3	yes	neg	BR28	D	2
10		16/02376- 3 KnoRe 1	yes	O78:K80	BR3	D	4
11		16/02376- 3 KnoRe 2	yes	O78:K80	BR3	D	4
12		16/02376- 3 KnoRe 3	yes	O78:K80	BR3	D	4
13	4	15/17099- 2 KnoRe 1	yes	O2:K1	BR20	A	2
14		15/17099- 2 KnoRe 2	yes	O2:K1	BR20	A	2
15		15/17099- 2 KnoRe 3	yes	O2:K1	BR20	A	2
16	5	15/23331- 2 KnoLi 1	no	neg	BR47	D	2
17		15/23331- 2 KnoLi 2	no	neg	BR39	D	2
18		15/23331- 2 KnoLi 3	no	neg	BR47	D	2
19		16/00909- 1 KnoRe 1	no	O2:K1	BR20	D	4
20		16/00909- 1 KnoRe 2	no	O2:K1	BR20	D	4
21		16/00909- 1 KnoRe 3	no	O2:K1	BR20	D	4
22		16/00909- 1 KnoLi 1	yes	O2:K1	BR20	D	4

23		16/00909-1 KnoLi 2	yes	O2:K1	BR20	D	4
24		16/00909-1 KnoLi 3	yes	O2:K1	BR20	D	4
25	6	15/25176-3 KnoRe 1	no	O2:K1	BR20	D	4
26		15/25176-3 KnoRe 2	no	O2:K1	BR20	D	4
27		15/25176-3 KnoRe 3	no	O2:K1	BR20	D	4
28		16/00911-3 KnoRe 1	no	O2:K1	BR9	B2	4
29		16/00911-3 KnoRe 2	no	O2:K1	BR9	B2	4
30		16/00911-3 KnoRe 3	no	O2:K1	BR9	B2	4
31	7	15/21410-3 KnoLi 1	no	neg	BR10	D	4
32		15/21410-3 KnoLi 2	no	neg	BR17	D	2
33		15/21410-3 KnoLi 3	no	neg	BR10	D	2
34		15/22436-2 KnoRe 1	yes	neg	nt	D	4
35		15/22436-2 KnoRe 2	yes	neg	nt	D	4
36		15/22436-2 KnoRe 3	yes	neg	nt	D	4
37		16/04316-1 KnoRe 1	yes	O78:K80	BR5	A	2
38		16/04316-1 KnoRe 2	yes	O78:K80	BR5	A	2
39		16/04316-1 KnoRe 3	yes	O78:K80	BR5	A	2
40	8	15/20800-1 KnoRe 1	yes	O2:K1	BR20ST1	D	4
41		15/20800-1 KnoRe 2	yes	O2:K1	BR20ST1	D	4
42		15/20800-1 KnoRe 3	yes	O2:K1	BR20ST1	D	4
43		16/00369-2 KnoLi 1	yes	O2:K1	BR20ST1	D	4
44		16/00369-2 KnoLi 2	yes	O2:K1	BR20ST1	D	4
45		16/00369-2 KnoLi 3	yes	O2:K1	BR20ST1	D	4
46		16/02596-3 KnoRe 1	yes	O1:K1	BR26	B1	2
47		16/02596-3 KnoRe 2	yes	neg	BR26	B1	2
48		16/02596-3 KnoRe 3	yes	neg	BR26	B1	2

49		16/02596-3 KnoLi 1	yes	O78:K80	RB38	B1	2
50		16/02596-3 KnoLi 2	yes	neg	BR26	B1	2
51		16/02596-3 KnoLi 3	yes	O1:K1	BR26	B1	2
52		16/03879-3 KnoRe 1	yes	O2:K1	BR14ST1	B2	3
53		16/03879-3 KnoRe 2	yes	O2:K1	BR14ST1	B2	3
54		16/03879-3 KnoRe 3	yes	O2:K1	BR14ST1	B2	3
55		16/03879-3 KnoLi 1	yes	O2:K1	BR14ST1	B2	3
56		16/03879-3 KnoLi 2	yes	O2:K1	BR14ST1	B2	3
57		16/03879-3 KnoLi 3	yes	neg	BR14ST1	B2	3
58	9	15/19461-3 KnoRe 1	yes	O1:K1	BR43	D	2
59		15/19461-3 KnoRe 2	yes	O1:K1	BR43	D	2
60		15/19461-3 KnoRe 3	yes	O1:K1	BR43	D	2
61		15/22114-1 KnoLi 1	yes	O1:K1	BR4	B1	2
62		15/22114-1 KnoLi 2	yes	O1:K1	BR4	B1	2
63		15/22114-1 KnoLi 3	yes	O1:K1	BR4	B1	2
64		15/22748-1 Knoli 1	no	O78:K80	nt	D	2
65		15/22748-1 KnoLi 2	no	O78:K80	nt	D	2
66		15/22748-1 KnoLi 3	no	O78:K80	nt	D	2
67	10	15/23330-2 KnoRe 1	yes	neg	BR7	D	2
68		15/23330-2 KnoRe 2	yes	neg	BR7	D	2
69		15/23330-2 KnoRe 3	yes	neg	BR7	D	2
70		15/24960-2 KnoRe 1	yes	O78:K80	BR32ST1	D	4
71		15/24960-2 KnoRe 2	yes	O78:K80	BR32ST1	D	4
72		15/24960-2 KnoRe 3	yes	O78:K80	BR32ST1	D	4
73		16/03318-3 KnoRe 1	yes	O1:K1	BR19	B2	4
74		16/03318-3 KnoRe 2	yes	O1:K1	BR19	B2	4

75		16/03318-3 KnoRe 3	yes	O1:K1	BR19	B2	4
76		16/03318-3 KnoLi 1	yes	O1:K1	BR19	B2	4
77		16/03318-3 KnoLi 2	yes	O1:K1	BR19	B2	4
78		16/03318-3 KnoLi 3	yes	neg	BR19	B2	2
79	11	15/19578-10 KnoLi 1	no	neg	BR22	A	2
80		15/19578-10 KnoLi 2	no	neg	nt	A	2
81		15/19578-10 KnoLi 3	no	neg	nt	D	4
82		15/24052-3 KnoRe 1	yes	neg	BR8ST1	B2	4
83		15/24052-3 KnoRe 2	yes	neg	BR8ST1	B2	4
84		15/24052-3 KnoRe 3	yes	neg	BR8ST1	B2	4
85		15/24865-1 KnoRe 1	yes	neg	BR1	D	4
86		15/24865-1 KnoRe 2	yes	neg	BR1	D	4
87		15/24865-1 KnoRe 3	yes	O1:K1	BR1	D	4
88		16/02899-1 KnoRe 1	yes	O1:K1	BR2	D	4
89		16/02899-1 KnoRe 2	yes	O1:K1	BR2	D	4
90		16/02899-1 KnoRe 3	yes	neg	BR2	D	4
91	12	15/23060-1 KnoRe 1	yes	neg	BR26ST1	B1	2
92		15/23060-1 KnoRe 2	yes	neg	BR26ST1	B1	2
93		15/23060-1 KnoRe 3	yes	neg	BR26ST1	B1	2
94		15/24413-2 KnoRe 1	yes	neg	BR31	A	2
95		15/24413-2 KnoRe 2	yes	neg	BR41	B1	2
96		15/24413-2 KnoRe 3	yes	neg	BR31	A	2
97		16/02752-3 KnoLi 1	yes	neg	BR20ST2	D	4
98		16/02752-3 KnoLi 2	yes	neg	BR20ST2	D	4

99		16/02752- 3 KnoLi 3	yes	neg	BR20ST2	D	4
100	13	15/23332- 2 KnoRe 1	yes	neg	BR12	D	2
101		15/23332- 2 KnoRe 2	yes	neg	BR12	D	2
102		15/23332- 2 KnoRe 3	yes	neg	BR12	D	2
103		16/003317 -1 KnoRe 1	no	O78:K80	BR32	D	4
104		16/003317 -1 KnoRe 2	no	O78:K80	BR32	D	4
105		16/003317 -1 KnoRe 3	no	O78:K80	BR32	D	4
106		16/003317 -1 KnoLi 1	yes	O78:K80	BR32	D	4
107		16/003317 -1 KnoLi 2	yes	O78:K80	BR32	D	4
108		16/003317 -3 KnoLi 1	yes	O78:K80	BR32	D	4
109		16/003317 -3 KnoLi 2	yes	O78:K80	BR32	D	4
110		16/003317 -3 KnoLi 3	yes	O78:K80	BR32	D	4
111	14	15/20278- 3 KnoRe 1	yes	neg	nt	D	4
112		15/20278- 3 KnoRe 2	yes	neg	nt	D	4
113		15/20278- 3 KnoRe 3	yes	neg	nt	D	4
114		15/24415- 1 KnoRe 1	yes	neg	nt	D	4
115		15/24415- 1 KnoRe 2	yes	neg	nt	D	4
116		15/24415- 1 KnoRe 3	yes	neg	nt	D	3
117		16/00910- 3 KnoRe 1	yes	neg	BR45	B2	2
118		16/00910- 3 KnoRe 2	yes	neg	nt	A	2
119		16/00910- 3 KnoRe 3	yes	O78:K80	BR45	B2	2
120		16/02374- 1 KnoRe 1	yes	O78:K80	BR32ST1	D	4
121		16/02374- 1 KnoRe 2	yes	O78:K80	BR32ST1	D	4
122		16/02374- 1 KnoRe 3	yes	O78:K80	BR32ST1	D	4

123		16/02374-1 KnoLi 1	yes	O78:K80	BR32ST1	D	4
124		16/02374-1 KnoLi 2	yes	O78:K80	BR32ST1	D	4
125		16/02374-1 KnoLi 3	yes	O78:K80	BR32ST1	D	4
126	15	15/20279-2 KnoRe 1	no	neg	BR34	D	2
127		15/20279-2 KnoRe 2	no	neg	BR34	D	2
128		15/20279-2 KnoRe 3	no	neg	BR34	D	2
129		15/24414-5 KnoRe 1	yes	neg	BR6	D	4
130		15/24414-5 KnoRe 2	yes	neg	BR6	D	4
131		15/24414-5 KnoRe 3	yes	neg	BR6	D	4
132		16/01523-1 KnoLi 1	yes	O2:K1	BR9	B2	4
133		16/01523-1 KnoLi 2	yes	O2:K1	BR9	B2	4
134		16/01523-1 KnoLi 3	yes	O2:K1	BR9	B2	4
135		16/01523-3 KnoRe 1	yes	neg	BR8	D	2
136		16/01523-3 KnoRe 2	yes	neg	BR8	D	2
137		16/01523-3 KnoRe 3	yes	neg	BR1ST1	D	1
138		16/02751-3 KnoRe 1	no	neg	BR1ST1	D	1
139		16/02751-3 KnoRe 2	no	neg	BR1ST1	D	1
140	15	16/02751-3 KnoRe 3	no	neg	BR1ST1	D	1
141		15/24412-3 KnoRe 1	yes	neg	BR29	B2	4
142		15/24412-3 KnoRe 2	yes	neg	BR29	B2	3
143		15/24412-3 KnoRe 3	yes	neg	BR29	B2	3
144	17	15/19580-2 KnoRe 1	yes	O78:K80	BR32ST4	D	4
145		15/19580-2 KnoRe 2	yes	O78:K80	BR32ST4	D	4
146		15/19580-2 KnoRe 3	yes	O78:K80	BR32ST4	D	4
147		15/20949-1 KnoLi 1	yes	neg	BR32ST4	D	4
148		15/20949-1 KnoLi 2	yes	neg	BR32ST4	D	4

149		15/20949- 1 KnoLi 3	yes	neg	BR32ST4	D	4
150		15/23207- 1 KnoRe 1	no	neg	BR11	A	2
151		15/23207- 1 KnoRe 2	no	neg	BR40	B1	2
152		15/23207- 1 KnoRe 3	no	neg	BR27	B1	2
153		15/24161- 3 KnoLi 1	yes	neg	BR37	A	2
154		16/02298- 3 KnoRe 1	yes	O2:K1	BR14ST1	B2	3
155		16/02298- 3 KnoLi 1	no	O2:K1	BR14ST1	B2	3
156		16/02298- 3 KnoLi 2	no	O2:K1	BR14ST1	B2	3
157		16/02298- 3 KnoLi 3	no	O2:K1	BR14ST1	B2	3
158	18	15/19460- 1 KnoRe 1	yes	neg	nt	D	4
159		15/19460- 1 KnoRe 2	yes	neg	nt	D	4
160		15/19460- 1 KnoRe 3	yes	neg	nt	D	4
161		15/21788- 2 KnoLi 1	yes	neg	BR8	B2	4
162		15/21788- 2 KnoLi 2	yes	neg	BR8	B2	4
163		15/21788- 2 KnoLi 3	yes	neg	BR8	B2	4
164	19	15/23732- 2 KnoLi 1	yes	neg	BR18	D	4
165		15/23732- 2 KnoLi 2	yes	neg	BR18	D	4
166		15/23732- 2 KnoLi 3	yes	neg	BR18	D	4
167		16/01362- 3 KnoLi 1	no	neg	BR15	B2	3
168		16/01362- 3 KnoLi 2	no	neg	BR15	B2	3
169		16/01362- 3 KnoLi 3	no	neg	BR25	B2	2
170		16/01362- 2 KnoRe 1	no	neg	BR16	B2	3
171		16/01362- 2 KnoRe 2	no	neg	BR16	B2	3
172		16/01362- 2 KnoRe 3	no	neg	BR16	B2	3
173		16/02598- 1 KnoRe 1	yes	neg	BR16	B2	3
174		16/02598- 1 KnoRe 2	yes	neg	BR36	A	2

175		16/02598-1 KnoRe 3	yes	neg	BR16	B2	3
176	20	15/20264-3 KnoLi 1	no	neg	BR24	D	4
177		15/20264-3 KnoLi 2	no	neg	BR24	D	4
178		15/20264-3 KnoLi 3	no	neg	BR24	D	4
179		15/23731-2 KnoRe 1	yes	neg	BR18	D	4
180		15/23731-2 KnoRe 2	yes	neg	BR18	D	4
181		15/23731-2 KnoRe 3	yes	neg	BR18	D	4
182		15/24861-3 KnoRe 1	yes	O2:K1	BR13	B2	4
183		15/24861-3 KnoRe 2	yes	O2:K1	BR13	B2	4
184		15/24861-3 KnoRe 3	yes	neg	BR13	B2	4
185		16/01363-1 KnoLi 1	no	neg	BR15	B2	3
186		16/01363-1 KnoLi 2	no	neg	BR15	B2	3
187		16/01363-1 KnoLi 3	no	neg	BR15	B2	3
188	21	15/17098-2 KnoRe 1	yes	neg	BR21	A	2
189		15/17098-2 KnoRe 2	yes	neg	BR21	A	2
190		15/17098-2 KnoRe 3	yes	neg	BR21	A	2
191		15/19104-2 KnoRe 1	no	O2:K1	BR33	B2	4
192		15/19104-2 KnoRe 2	no	O2:K1	BR33	B2	4
193		15/19104-2 KnoRe 3	no	O2:K1	BR33	B2	4
194		15/19103-3 KnoLi 1	yes	O78:K80	BR3	A	2
195		15/19103-3 KnoLi 2	yes	O78:K80	BR3	A	2
196		15/19103-3 KnoLi 3	yes	O78:K80	BR3	A	2
197		15/20799-2 KnoRe 1	yes	neg	BR4	B1	2
198		15/20799-2 KnoRe 2	yes	neg	BR4	B1	2
199		15/20799-2 KnoRe 3	yes	neg	BR4	B1	2
200		15/24599-3 KnoRe 1	no	O78:K80	BR32ST2	D	4

201	15/24599- 3 KnoRe 2	no	O78:K80	BR32ST3	D	4
202	15/24599- 3 KnoRe 3	no	O78:K80	BR32ST2	D	4
203	15/25396- 3 KnoRe 1	no	O78:K80	BR32	D	1
204	15/25396- 3 KnoRe 2	no	O78:K80	BR32	D	1
205	15/25396- 3 KnoRe 3	no	O78:K80	BR32	D	1
206	15/25396- 3 KnoLi 1	yes	O78:K80	BR32	D	4
207	15/25396- 3 KnoLi 2	yes	O78:K80	BR32	D	4
208	15/25396- 3 KnoLi 3	yes	O78:K80	BR32	D	4