

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
1	E0172	1	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	1	8	4	5	7	1	1	5
2	E0187	1	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	1	8	4	5	7	1	1	5
3	E0179	2	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	2	8	4	5	7	9	1	5
4	E0200	3	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	3	8	4	5	7	1	12	5
5	E0211	4	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	4	8	4	1	3	1	1	5
6	A0039	4	2	3	ITA		Meat	Animal_Food	E. faecium	Food						4	8	4	1	3	1	1	5
7	E0174	4	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	4	8	4	1	3	1	1	5
8	E0185	4	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	4	8	4	1	3	1	1	5
9	E0197	4	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	4	8	4	1	3	1	1	5
10	E0198	4	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	4	8	4	1	3	1	1	5
11	E0209	4	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	4	8	4	1	3	1	1	5
12	E0213	4	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	4	8	4	1	3	1	1	5
13	E0214	4	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	4	8	4	1	3	1	1	5
14	E0226	4	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	4	8	4	1	3	1	1	5
15	E1223	4	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0	0	0	0	4	8	4	1	3	1	1	5
16	E0802	5	2	1	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	5	5	2	1	9	1	1	5
17	E1316	5	2	1	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Blood	0	0	0	0	0	5	5	2	1	9	1	1	5
18	A1497	5	2	1	DEU	1995	Hospitalized patient	Clin_Isol	E. faecium	blood	0	0	0	0	0	5	5	2	1	9	1	1	5
19	D0350	5	2	1	NLD	1996	Pig	Animal_pig	E. faecium	Faeces	0	0	0	0	0	5	5	2	1	9	1	1	5
20	E0131	5	2	1	NLD	1996	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	5	5	2	1	9	1	1	5
21	E0151	5	2	1	NLD	1996	Pig	Animal_pig	E. faecium	Faeces	0	0	0	0	0	5	5	2	1	9	1	1	5
22	E0688	5	2	1	ESP		Pig	Animal_Pig	E. faecium	Faeces	0	0	0	0	0	5	5	2	1	9	1	1	5
23	E0690	5	2	1	ESP		Pig	Animal_Pig	E. faecium	Faeces	0	0	0	0	0	5	5	2	1	9	1	1	5
24	E0729	5	2	1	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	5	5	2	1	9	1	1	5
25	E1552	5	2	1	NLD	2002	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	5	5	2	1	9	1	1	5
26	E1638	5	2	1	NLD		Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	5	5	2	1	9	1	1	5
27	E1640	5	2	1	NLD		Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	5	5	2	1	9	1	1	5
28	E1661	5	2	1	NLD	2002	Hospitalized patient	Clin_Isol	E. faecium	Peritoneal fluid	0	0	0	0	0	5	5	2	1	9	1	1	5
29	E1773	5	2	1	BEL	2001	Pig	Animal_pig	E. faecium	Faeces	0	0	0	0	0	5	5	2	1	9	1	1	5
30	E2010	5	2	1	DEU	2000	Hospitalized patient		E. faecium	WA						5	5	2	1	9	1	1	5
31	E2069	5	2	1	DNK	2001	Pig	Animal_pig	E. faecium		1					5	5	2	1	9	1	1	5
32	E0135	6	3	2	NLD	1996	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
33	E0144	6	3	2	NLD	1996	Pig	Animal_pig	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
34	E1149	6	3	2	NLD	1995	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
35	E1764	6	3	2	BEL	1996	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
36	A2185	6	3	2			Pig	Animal_Pig	E. faecium	Faeces						6	4	2	1	9	1	1	5
37	D0158	6	3	2	NLD	1999	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
38	E0029	6	3	2	GBR	1992	Pig	Animal_pig	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
39	E0092	6	3	2	NLD	1997	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
40	E0129	6	3	2	NLD	1996	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
41	E0130	6	3	2	NLD	1996	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
42	E0138	6	3	2	NLD	1996	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
43	E0139	6	3	2	NLD	1996	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
44	E0142	6	3	2	NLD	1996	Pig	Animal_pig	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
45	E0149	6	3	2	NLD	1996	Pig	Animal_pig	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
46	E0150	6	3	2	NLD	1996	Pig	Animal_pig	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
47	E0767	6	3	2	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
48	E0808	6	3	2	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
49	E1374	6	3	2	NLD	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	6	4	2	1	9	1	1	5
50	E1637	6	3	2	NLD			Hosp_Surv	E. faecium							6	4	2	1	9	1	1	5
51	E0403	7	3	2	NLD	1997	Poultry farmer	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	7	4	2	1	2	1	1	5
52	E0429	8	2	1	NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0	0	0	0	8	5	2	1	6	1	7	1
53	A1045	8	2	1	DEU	1992	Hospitalized patient		E. faecium							8	5	2	1	6	1	7	1
54	A2200	8	2	1			Poultry	Animal_Poultry	E. faecium	Faeces						8	5	2	1	6	1	7	1
55	E0449	8	2	1	NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0	0	0	0	8	5	2	1	6	1	7	1
56	E0453	8	2	1	NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0	0	0	0	8	5	2	1	6	1	7	1
57	E0457	8	2	1	NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0	0	0	0	8	5	2	1	6	1	7	1
58	E0045	9	2	1	GBR	1992	Poultry	Animal_Poultry	E. faecium	Faeces	0	0	0	0	0	9	5	2	6	6	1	7	1
59	A0859	9	2	1	DEU	1998	Poultry	Animal_poultry	E. faecium	chicken faeces						9	5	2	6	6	1	7	1
60	A1530	9	2	1	DEU	2000	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				9	5	2	6	6	1	7	1
61	A1596	9	2	1	DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	0	0				9	5	2	6	6	1	7	1
62	A1744	9	2	1	USA	2005			E. faecium							9	5	2	6	6	1	7	1
63	A1749	9	2	1	USA	2005			E. faecium							9	5	2	6	6	1	7	1

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64	A1753	9	2		1 USA	2005			E. faecium						9	5	2	6	6	1	7	1	
65	A1776	9	2		1 USA	2005			E. faecium						9	5	2	6	6	1	7	1	
66	A1778	9	2		1 USA	2005			E. faecium						9	5	2	6	6	1	7	1	
67	E0269	9	2		1 NLD	1996	Poultry	Animal_Poultry	E. faecium	Faeces	0	0			9	5	2	6	6	1	7	1	
68	E0278	9	2		1 NLD	1996	Poultry farmer	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	9	5	2	6	6	1	7	1
69	E4130	9	2		1 GBR	1982	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			9	5	2	6	6	1	7	1	
70	E4132	9	2		1 GBR	1985	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			9	5	2	6	6	1	7	1	
71	A0035	10	2		1 ITA		Animal	Animal	E. faecium						10	5	2	1	6	1	1	1	
72	A0036	10	2		1 ITA		Animal	Animal	E. faecium						10	5	2	1	6	1	1	1	
73	A1745	10	2		1 USA	2005			E. faecium						10	5	2	1	6	1	1	1	
74	A1750	10	2		1 USA	2005			E. faecium						10	5	2	1	6	1	1	1	
75	A1752	10	2		1 USA	2005			E. faecium						10	5	2	1	6	1	1	1	
76	A1775	10	2		1 USA	2005			E. faecium						10	5	2	1	6	1	1	1	
77	E0454	10	2		1 NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0			10	5	2	1	6	1	1	1	
78	E0674	10	2		1 ESP		Poultry	Animal_Poultry	E. faecium	Faeces	0	0			10	5	2	1	6	1	1	1	
79	W-5586/TX2008	10	2		1 USA	1986	Hospitalized patient		E. faecium		1				10	5	2	1	6	1	1	1	
80	E0452	11	2		1 NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0			11	5	2	7	6	1	1	1	
81	E0451	12	2		1 NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	1			12	5	2	6	6	1	1	1	
82	E2134	12	2		1 NLD	2004	Poultry	Animal_Poultry	E. faecium		1				12	5	2	6	6	1	1	1	
83	E0446	13	2		1 NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0			13	9	2	1	6	7	7	1	
84	E0447	13	2		1 NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0			13	9	2	1	6	7	7	1	
85	E0455	13	2		1 NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0			13	9	2	1	6	7	7	1	
86	E4197	13	2		1 SWE	2000	Poultry	Animal_Poultry	E. faecium						13	9	2	1	6	7	7	1	
87	E0450	14	2		1 NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0			14	9	2	7	6	1	7	1	
88	E0400	15	2		1 NLD	1997	Poultry farmer	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	15	9	2	7	9	1	7	4
89	E0470	16	3		3 NLD	1999	Hospitalized patient	Hospital outbreak NL-3-1	E. faecium		1	1	1	1	1	16	1	2	1	1	1	1	1
90	E0734	16	3		3 NLD	2000	Environment	Hospital outbreak NL-1-1	E. faecium	Environment	1	1	1	1	1	16	1	2	1	1	1	1	1
91	E0745	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-2-1	E. faecium	Faeces	1	1	1	1	1	16	1	2	1	1	1	1	1
92	E1132	16	3		3 USA	2001	Hospitalized patient	Hospital outbreak US-3	E. faecium	Faeces	1	1	1	1	1	16	1	2	1	1	1	1	1
93	E1147	16	3		3 NLD	1998	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1	1	1	1	16	1	2	1	1	1	1	1
94	E1391	16	3		3 GBR	2000	Hospitalized patient	Clin_Isol	E. faecium		1	1	0	1	1	16	1	2	1	1	1	1	1
95	E1441	16	3		3 GRC	2000	Hospitalized patient	Hospital outbreak GR-1	E. faecium	Peritoneal fluid	1	1	1	1	1	16	1	2	1	1	1	1	1
96	E1735	16	3		3 ESP	2001	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1	1	1	1	16	1	2	1	1	1	1	1
97	E0161	16	3		3 USA	1995	Hospitalized patient	Hospital outbreak US-2-1	E. faecium	Faeces	1	1	1	1	1	16	1	2	1	1	1	1	1
98	E1360	16	3		3 USA	2001	Hospitalized patient	Clin_Isol	E. faecium		1	1	1	1	1	16	1	2	1	1	1	1	1
99	A0860	16	3		3 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	ascites	1	1			16	1	2	1	1	1	1	1	1
100	A0861	16	3		3 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	urine	1	1			16	1	2	1	1	1	1	1	1
101	A1014	16	3		3 DEU	2004	Hospitalized patient		E. faecium						16	1	2	1	1	1	1	1	1
102	A1026	16	3		3 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	urine	1	1			16	1	2	1	1	1	1	1	1
103	A1509	16	3		3 DEU	1998	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			16	1	2	1	1	1	1	1	1
104	A1833	16	3		3 SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			16	1	2	1	1	1	1	1	1
105	E0158	16	3		3 USA	1995	Hospitalized patient	Hospital outbreak US-2-2	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
106	E0473	16	3		3 NLD	1999	Hospitalized patient	Hospital outbreak NL-3-2	E. faecium		1	1			16	1	2	1	1	1	1	1	1
107	E0481	16	3		3 NLD	1999	Hospitalized patient	Hospital outbreak NL-3-1	E. faecium		1	1			16	1	2	1	1	1	1	1	1
108	E0487	16	3		3 NLD	1999	Hospitalized patient	Hospital outbreak NL-3-1	E. faecium		1	1			16	1	2	1	1	1	1	1	1
109	E0706	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Catheter	1	1			16	1	2	1	1	1	1	1	1
110	E0707	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Urine	1	1			16	1	2	1	1	1	1	1	1
111	E0713	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
112	E0714	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
113	E0715	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
114	E0736	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
115	E0752	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-2-1	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
116	E0758	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-2-1	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
117	E0770	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-2-1	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
118	E0779	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-2-1	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
119	E0805	16	3		3 NLD	2000	Hospitalized patient	Hospital outbreak NL-2-1	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
120	E1134	16	3		3 USA	2001	Hospitalized patient	Hospital outbreak US-3	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
121	E1135	16	3		3 USA	2001	Hospitalized patient	Hospital outbreak US-3	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
122	E1136	16	3		3 USA	2001	Hospitalized patient	Hospital outbreak US-3	E. faecium		1	1			16	1	2	1	1	1	1	1	1
123	E1137	16	3		3 USA	2001	Hospitalized patient	Hospital outbreak US-3	E. faecium		1	1			16	1	2	1	1	1	1	1	1
124	E1148	16	3		3 NLD	1998	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
125	E1219	16	3		3 NLD	2001	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Faeces	1	1			16	1	2	1	1	1	1	1	1
126	E1315	16	3		3 NLD	2000	Hospitalized patient	Clin_Isol	E. faecium	Trauma	1	1			16	1	2	1	1	1	1	1	1

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127	E1361	16	3		USA	2001	Hospitalized patient	Clin_Isol	E. faecium		1	1				16	1	2	1	1	1	1	1
128	E1362	16	3		USA	2001	Hospitalized patient	Clin_Isol	E. faecium		1	1				16	1	2	1	1	1	1	1
129	E1363	16	3		USA	2001	Hospitalized patient	Clin_Isol	E. faecium		1	1				16	1	2	1	1	1	1	1
130	E1364	16	3		USA	2001	Hospitalized patient	Clin_Isol	E. faecium		1	1				16	1	2	1	1	1	1	1
131	E1425	16	3		GBR	2000	Hospitalized patient	Clin_Isol	E. faecium		1	1				16	1	2	1	1	1	1	1
132	E1446	16	3		GRC	2000	Hospitalized patient	Hospital outbreak GR-1	E. faecium	Urine	1	1				16	1	2	1	1	1	1	1
133	E1526	16	3		NLD	2002	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Urine	1	1				16	1	2	1	1	1	1	1
134	E1531	16	3		GBR		Hospitalized patient	Clin_Isol	E. faecium	nd	1	1				16	1	2	1	1	1	1	1
135	E1532	16	3		GBR		Hospitalized patient	Clin_Isol	E. faecium	nd	1	1				16	1	2	1	1	1	1	1
136	E1550	16	3		NLD	2002	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Blood	1	1				16	1	2	1	1	1	1	1
137	E1556	16	3		NLD	2002	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1				16	1	2	1	1	1	1	1
138	E1651	16	3		NLD	2002	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Wound	1	1				16	1	2	1	1	1	1	1
139	E1656	16	3		NLD	2002	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Faeces	1	1				16	1	2	1	1	1	1	1
140	E1660	16	3		NLD	2002	Hospitalized patient	Hospital outbreak NL-1-1	E. faecium	Faeces	1	1				16	1	2	1	1	1	1	1
141	E1973	16	3		DEU	2001	Hospitalized patient		E. faecium	Urine	1	1				16	1	2	1	1	1	1	1
142	E1986	16	3		DEU	2000	Hospitalized patient		E. faecium	WA	1	1				16	1	2	1	1	1	1	1
143	E1990	16	3		DEU	2001	Hospitalized patient		E. faecium	DK-Urin	1	1				16	1	2	1	1	1	1	1
144	E1993	16	3		DEU	2001	Hospitalized patient		E. faecium	WA	1	1				16	1	2	1	1	1	1	1
145	E2014	16	3		DEU	2000	Hospitalized patient		E. faecium	K-Urin	1	1				16	1	2	1	1	1	1	1
146	E2016	16	3		DEU	2000	Hospitalized patient		E. faecium	K-Urin	1	1				16	1	2	1	1	1	1	1
147	E2023	16	3		DEU	2001	Hospitalized patient		E. faecium	K-Spitz	1	1				16	1	2	1	1	1	1	1
148	E2024	16	3		DEU	2001	Hospitalized patient		E. faecium	Urin	1	1				16	1	2	1	1	1	1	1
149	E2026	16	3		DEU	2000	Hospitalized patient		E. faecium	DK-Urin	1	1				16	1	2	1	1	1	1	1
150	E2027	16	3		DEU	2000	Hospitalized patient		E. faecium	WA	1	1				16	1	2	1	1	1	1	1
151	E2038	16	3		DEU	2000	Hospitalized patient	Clin_Isol	E. faecium	WA	1	1				16	1	2	1	1	1	1	1
152	E2480	16	3		USA	1996	Hospitalized patient	Hospital outbreak US-4	E. faecium	Faeces	1	1				16	1	2	1	1	1	1	1
153	E3193	16	3		NLD	1996	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				16	1	2	1	1	1	1	1
154	E4456	16	3		NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				16	1	2	1	1	1	1	1
155	FA280/TX2025	16	3		USA	1988	Hospitalized patient				1	1				16	1	2	1	1	1	1	1
156	FA287/TX2024	16	3		USA	1988	Hospitalized patient				1	1				16	1	2	1	1	1	1	1
157	FA295/TX2023	16	3		USA	1988	Hospitalized patient				1	1				16	1	2	1	1	1	1	1
158	SH-11/TX2436	16	3		USA	1990-1991	Hospitalized patient				1	1				16	1	2	1	1	1	1	1
159	SH-13/TX2438	16	3		USA	1990-1991	Hospitalized patient				1	1				16	1	2	1	1	1	1	1
160	SH-14/TX2439	16	3		USA	1990-1991	Hospitalized patient				1	1				16	1	2	1	1	1	1	1
161	SH-6/TX2431	16	3		USA	1990-1991	Hospitalized patient				1	1				16	1	2	1	1	1	1	1
162	SH-9/TX2434	16	3		USA	1990-1991	Hospitalized patient				1	1				16	1	2	1	1	1	1	1
163	U0012	16	3		NLD	2000	Hospitalized patient	Clin_Isol	E. faecium	Wound	1	1				16	1	2	1	1	1	1	1
164	U0063	16	3		NLD	2003	Hospitalized patient	Clin_Isol	E. faecium	Wound	1	1				16	1	2	1	1	1	1	1
165	U0085	16	3		NLD	2004	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				16	1	2	1	1	1	1	1
166	U0126	16	3		NLD	2004	Hospitalized patient	Clin_Isol	E. faecium	Tissue	0	1				16	1	2	1	1	1	1	1
167	U0242	16	3		NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1				16	1	2	1	1	1	1	1
168	U0285	16	3		NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1				16	1	2	1	1	1	1	1
169	E0155	17	3		USA	1995	Hospitalized patient	Hospital outbreak US-2-6	E. faecium	Faeces	1	1	1	1		17	1	1	1	1	1	1	1
170	E1284	17	3		DEU		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			1	17	1	1	1	1	1	1	1
171	E0510	17	3		AUS	1998	Hospitalized patient	Hospital outbreak Australia-1	E. faecium	Blood	1	1			1	17	1	1	1	1	1	1	1
172	E1308	17	3		PRT		Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1	1	1		17	1	1	1	1	1	1	1
173	E0321	17	3		FRA	1997	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1	1	1		17	1	1	1	1	1	1	1
174	E0380	17	3		GBR	1997	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0	1	0		17	1	1	1	1	1	1	1
175	E1292	17	3		ITA		Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			1	17	1	1	1	1	1	1	1
176	E1302	17	3		POL		Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1	1	1		17	1	1	1	1	1	1	1
177	E1340	17	3		NOR	1999	Hospitalized patient	Hospital outbreak NO-1	E. faecium	Wound	0	1	1	0		17	1	1	1	1	1	1	1
178	E1463	17	3		ESP	1998	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1	1	1		17	1	1	1	1	1	1	1
179	E1716	17	3		DNK		Hospitalized patient	Hospital outbreak DK-1	E. faecium	nd	1	1	1	1		17	1	1	1	1	1	1	1
180	A0001	17	3		AUS	1996	Non-hospitalized person	Comm_Surv	E. faecium		1	1				17	1	1	1	1	1	1	1
181	A0002	17	3		AUS	1999	Hospitalized patient	Clin_Isol	E. faecium	Bile	0	1				17	1	1	1	1	1	1	1
182	A0003	17	3		AUS	1999	Non-hospitalized person	Comm_Surv	E. faecium		1	1				17	1	1	1	1	1	1	1
183	A0004	17	3		AUS	1997	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1				17	1	1	1	1	1	1	1
184	A0005	17	3		USA	1994	Hospitalized patient	Hosp_Surv	E. faecium		0	1				17	1	1	1	1	1	1	1
185	A0006	17	3		AUS	1998	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
186	A0007	17	3		GBR	1997	Non-hospitalized person	Comm_Surv	E. faecium		1	1				17	1	1	1	1	1	1	1
187	A0008	17	3		AUS	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
188	A0009	17	3		AUS	1999	Hospitalized patient	Clin_Isol	E. faecium	Pleural fluid	1	1				17	1	1	1	1	1	1	1
189	A0010	17	3		AUS	1995	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1				17	1	1	1	1	1	1	1



Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
253	E0532	17		3	AUS	1998	Hospitalized patient	Hospital outbreak Australia-1	E. faecium	Urine	1	1				17	1	1	1	1	1	1	1
254	E0547	17		3	AUS	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
255	E0704	17		3	GBR		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				17	1	1	1	1	1	1	1
256	E0762	17		3	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				17	1	1	1	1	1	1	1
257	E1130	17		3	USA	2000	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				17	1	1	1	1	1	1	1
258	E1162	17		3	FRA		Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1		1	1	17	1	1	1	1	1	1	1
259	E1165	17		3	ITA		Hospitalized patient	Clin_Isol	E. faecium	Wound	1	1				17	1	1	1	1	1	1	1
260	E1166	17		3	ITA		Hospitalized patient	Clin_Isol	E. faecium	Urine	0	1				17	1	1	1	1	1	1	1
261	E1168	17		3	ITA		Hospitalized patient	Clin_Isol	E. faecium	Pneumoniae	1	1				17	1	1	1	1	1	1	1
262	E1193	17		3	ESP		Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
263	E1280	17		3	DEU		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				17	1	1	1	1	1	1	1
264	E1303	17		3	POL		Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
265	E1317	17		3	NLD	2000	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				17	1	1	1	1	1	1	1
266	E1393	17		3	GBR	2000	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
267	E1417	17		3	GBR	2000	Hospitalized patient	Hosp_surv	E. faecium	Faeces	1	1				17	1	1	1	1	1	1	1
268	E1451	17		3	GRC	2001	Hospitalized patient	Hospital outbreak GR-2	E. faecium	Peritoneal fluid	0	1				17	1	1	1	1	1	1	1
269	E1454	17		3	GRC	2001	Hospitalized patient	Hospital outbreak GR-2	E. faecium	Catheter	1	1				17	1	1	1	1	1	1	1
270	E1455	17		3	GRC	2001	Hospitalized patient	Hospital outbreak GR-2	E. faecium	Pus	0	1				17	1	1	1	1	1	1	1
271	E1464	17		3	ESP	1998	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
272	E1476	17		3	ESP	1998	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				17	1	1	1	1	1	1	1
273	E1496	17		3	ESP	1999	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	1				17	1	1	1	1	1	1	1
274	E1504	17		3	ESP	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
275	E1699	17		3	BRA	1998	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				17	1	1	1	1	1	1	1
276	E1718	17		3	DNK		Hospitalized patient	Hospital outbreak DK-1	E. faecium	nd	1	1				17	1	1	1	1	1	1	1
277	E1765	17		3	BEL		Hospitalized patient	Clin_Isol	E. faecium	Peritoneal fluid	0	1				17	1	1	1	1	1	1	1
278	E1771	17		3	BEL		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				17	1	1	1	1	1	1	1
279	E1975	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
280	E1977	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
281	E1978	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
282	E1979	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
283	E1980	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
284	E1981	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
285	E1982	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
286	E1983	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
287	E1985	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
288	E2000	17		3	DEU	2000	Hospitalized patient		E. faecium	K-Spitz	1	1				17	1	1	1	1	1	1	1
289	E2013	17		3	DEU	2000	Hospitalized patient		E. faecium	K-Urin	1	1				17	1	1	1	1	1	1	1
290	E2017	17		3	DEU	2000	Hospitalized patient		E. faecium	K-Urin	1	1				17	1	1	1	1	1	1	1
291	E2020	17		3	DEU	2000	Hospitalized patient		E. faecium	K-Urin	1	1				17	1	1	1	1	1	1	1
292	E2031	17		3	DEU	2000	Hospitalized patient		E. faecium	Abstrich	1	1				17	1	1	1	1	1	1	1
293	E2033	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
294	E2034	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
295	E2036	17		3	DEU	2000	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
296	E2042	17		3	DEU	2001	Hospitalized patient		E. faecium	WA	1	1				17	1	1	1	1	1	1	1
297	E2235	17		3	USA	2001	Environment	Environment_Hospital	E. faecium	FIC Grad	1	1				17	1	1	1	1	1	1	1
298	E2337	17		3	USA	2001	Environment	Environment_Hospital	E. faecium	Inf Pump	1	1				17	1	1	1	1	1	1	1
299	E2371	17		3	HUN	2005	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1				17	1	1	1	1	1	1	1
300	E2374	17		3	SRB	2005	Hospitalized patient	Clin_Isol	E. faecium	Wound	1	1				17	1	1	1	1	1	1	1
301	E4137	17		3	GBR	1990	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
302	E4138	17		3	GBR	1990	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				17	1	1	1	1	1	1	1
303	E4139	17		3	GBR	1990	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				17	1	1	1	1	1	1	1
304	E4141	17		3	GBR	1991	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
305	E4143	17		3	GBR	1993	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				17	1	1	1	1	1	1	1
306	E4145	17		3	GBR	1994	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
307	E4146	17		3	GBR	1994	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
308	E4147	17		3	GBR	1994	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
309	E4149	17		3	GBR	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				17	1	1	1	1	1	1	1
310	E4151	17		3	GBR	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
311	E4159	17		3	GBR	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				17	1	1	1	1	1	1	1
312	E4163	17		3	GBR	2000	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
313	E4166	17		3	GBR	2001	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
314	E4167	17		3	GBR	2001	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1
315	E4169	17		3	GBR	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				17	1	1	1	1	1	1	1

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
316	E4181	17		3	3 FRA	2003	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	1					17	1	1	1	1	1	1	1
317	FA185/TX2026	17		3	3 USA	1988	Hospitalized patient				1					17	1	1	1	1	1	1	1
318	FA191/TX2027	17		3	3 USA	1988	Hospitalized patient				1					17	1	1	1	1	1	1	1
319	FA232/TX2022	17		3	3 USA	1988	Hospitalized patient				1					17	1	1	1	1	1	1	1
320	MCV/264/TX2036	17		3	3 USA	1982	Hospitalized patient				1					17	1	1	1	1	1	1	1
321	MCV130/TX2029	17		3	3 USA	1982	Hospitalized patient				1					17	1	1	1	1	1	1	1
322	MCV161/TX2031	17		3	3 USA	1982	Hospitalized patient				1					17	1	1	1	1	1	1	1
323	MCV211/TX2033	17		3	3 USA	1982	Hospitalized patient				1					17	1	1	1	1	1	1	1
324	MCV255/TX2035	17		3	3 USA	1982	Hospitalized patient				1					17	1	1	1	1	1	1	1
325	MCV266/TX2034	17		3	3 USA	1982	Hospitalized patient				1					17	1	1	1	1	1	1	1
326	MCV268/TX2038	17		3	3 USA	1982	Hospitalized patient				1					17	1	1	1	1	1	1	1
327	SEH41/TX1405	17		3	3 USA	1993–1994	Hospitalized patient				1					17	1	1	1	1	1	1	1
328	SEH7/TX1371	17		3	3 USA	1993–1994	Hospitalized patient				1					17	1	1	1	1	1	1	1
329	U0025	17		3	3 NLD	2001	Hospitalized patient	Clin_Isol	E. faecium	Drain fluid	1					17	1	1	1	1	1	1	1
330	U0031	17		3	3 NLD	2001	Hospitalized patient	Clin_Isol	E. faecium	Peritoneal fluid	1					17	1	1	1	1	1	1	1
331	U0070	17		3	3 NLD	2003	Hospitalized patient	Clin_Isol	E. faecium	Peritoneal fluid	0					17	1	1	1	1	1	1	1
332	U0095	17		3	3 NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0					17	1	1	1	1	1	1	1
333	U0106	17		3	3 NLD	2004	Hospitalized patient	Clin_Isol	E. faecium	Blood	1					17	1	1	1	1	1	1	1
334	U0111	17		3	3 NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0					17	1	1	1	1	1	1	1
335	U0211	17		3	3 NLD	1997	Hospitalized patient	Clin_Isol	E. faecium	Blood	1					17	1	1	1	1	1	1	1
336	U0213	17		3	3 NLD	1997	Hospitalized patient	Clin_Isol	E. faecium	Blood	0					17	1	1	1	1	1	1	1
337	U0215	17		3	3 NLD	1997	Hospitalized patient	Clin_Isol	E. faecium	Peritoneal fluid	0					17	1	1	1	1	1	1	1
338	U0218	17		3	3 NLD	1997	Hospitalized patient	Clin_Isol	E. faecium	Blood	0					17	1	1	1	1	1	1	1
339	U0222	17		3	3 NLD	1996	Hospitalized patient	Clin_Isol	E. faecium	Urine	1					17	1	1	1	1	1	1	1
340	U0225	17		3	3 NLD	1996	Hospitalized patient	Clin_Isol	E. faecium	Pus	0					17	1	1	1	1	1	1	1
341	U0229	17		3	3 NLD	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood	1					17	1	1	1	1	1	1	1
342	U0233	17		3	3 NLD	1994	Hospitalized patient	Clin_Isol	E. faecium	Liquor	1					17	1	1	1	1	1	1	1
343	VREH-5/TX2420	17		3	3 USA	1992	Hospitalized patient				1					17	1	1	1	1	1	1	1
344	E0013	18		3	3 GBR	1992	Hospitalized patient	Hospital outbreak UK-1	E. faecium	Urine	1		1	0	1	18	7	1	1	1	5	1	1
345	E1500	18		3	3 ESP	1997	Hospitalized patient	Clin_Isol	E. faecium	Blood	0		1	1	1	18	7	1	1	1	5	1	1
346	E1717	18		3	3 DNK		Hospitalized patient	Hospital outbreak DK-2	E. faecium	nd	0		1	0	1	18	7	1	1	1	5	1	1
347	E1731	18		3	3 TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0		1	0	1	18	7	1	1	1	5	1	1
348	E1850	18		3	3 ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0		1	1	0	18	7	1	1	1	5	1	1
349	E1467	18		3	3 ESP	1997	Hospitalized patient	Clin_Isol	E. faecium	Blood	1		1	1	1	18	7	1	1	1	5	1	1
350	E1652	18		3	3 NLD	2002	Hospitalized patient	Hospital outbreak NL-1-2	E. faecium	Faeces	0		1	0	1	18	7	1	1	1	5	1	1
351	E1734	18		3	3 ESP	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood	0		1	0	1	18	7	1	1	1	5	1	1
352	E1737	18		3	3 ESP	1997	Hospitalized patient	Clin_Isol	E. faecium	Blood	0		1	0	1	18	7	1	1	1	5	1	1
353	E1794	18		3	3 USA	1991	Hospitalized patient	Clin_Isol	E. faecium	Blood	0		1	1	1	18	7	1	1	1	5	1	1
354	875-D/TX2048	18		3	3 USA	1988	Hospitalized patient					1				18	7	1	1	1	5	1	1
355	A0266	18		3	3 NLD	2002	Hospitalized patient	Clin_Isol	E. faecium	AP	0		1			18	7	1	1	1	5	1	1
356	A0290	18		3	3 NLD	2005	Hospitalized patient	Clin_Isol	E. faecium	Urine	1		1			18	7	1	1	1	5	1	1
357	A0863	18		3	3 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	urine	0		1			18	7	1	1	1	5	1	1
358	A0864	18		3	3 DEU	2004	Hospitalized patient	Hosp_Surv	E. faecium	groin swab	0		1			18	7	1	1	1	5	1	1
359	A1015	18		3	3 DEU	2004	Hospitalized patient									18	7	1	1	1	5	1	1
360	A1018	18		3	3 DEU	2004	Hospitalized patient	Hosp_Surv	E. faecium	groin swab	0		1			18	7	1	1	1	5	1	1
361	A1019	18		3	3 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	urine	0		1			18	7	1	1	1	5	1	1
362	A1024	18		3	3 DEU	2005	Hospitalized patient									18	7	1	1	1	5	1	1
363	A1108	18		3	3 ITA	2005	Hospitalized patient	Hosp_surv	E. faecium	Skin swab	0		1			18	7	1	1	1	5	1	1
364	A1109	18		3	3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Broncoaspirate	0		1			18	7	1	1	1	5	1	1
365	A1115	18		3	3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Faringeal swab	0		1			18	7	1	1	1	5	1	1
366	A1117	18		3	3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	0		1			18	7	1	1	1	5	1	1
367	A1119	18		3	3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	0		1			18	7	1	1	1	5	1	1
368	A1120	18		3	3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	0		1			18	7	1	1	1	5	1	1
369	A1127	18		3	3 ITA	2005	Hospitalized patient	Hosp_surv	E. faecium		0					18	7	1	1	1	5	1	1
370	A1131	18		3	3 ITA	2005	Hospitalized patient	Hosp_surv	E. faecium	Skin swab	0		1			18	7	1	1	1	5	1	1
371	A1133	18		3	3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	0		1			18	7	1	1	1	5	1	1
372	A1138	18		3	3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	1		1			18	7	1	1	1	5	1	1
373	A1159	18		3	3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Abdominal drainage	0		1			18	7	1	1	1	5	1	1
374	A1184	18		3	3 PRT	2005	Hospitalized patient	Clin_Isol	E. faecium	Ascites	1					18	7	1	1	1	5	1	1
375	A1379	18		3	3 CHN	2004	Hospitalized patient	Clin_Isol	E. faecium	Urine	0		1			18	7	1	1	1	5	1	1
376	A1387	18		3	3 CHN	2007	Hospitalized patient	Clin_Isol	E. faecium	Urine	1		1			18	7	1	1	1	5	1	1
377	A1391	18		3	3 CHN	2007	Hospitalized patient	Clin_Isol	E. faecium	Drain	1		1			18	7	1	1	1	5	1	1
378	A1500	18		3	3 DEU	1996	Hospitalized patient	Clin_Isol	E. faecium	blood	0		1			18	7	1	1	1	5	1	1

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
379	A1507	18		3	DEU	1998	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
380	A1525	18		3	DEU	1999	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
381	A1526	18		3	DEU	1999	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				18	7	1	1	1	5	1	1
382	A1528	18		3	DEU	2000	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
383	A1535	18		3	DEU	2001	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				18	7	1	1	1	5	1	1
384	A1538	18		3	DEU	2001	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
385	A1539	18		3	DEU	2002	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
386	A1552	18		3	DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
387	A1559	18		3	DEU	2005	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
388	A1560	18		3	DEU	2005	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
389	A1561	18		3	DEU	2005	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
390	A1563	18		3	DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
391	A1566	18		3	DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
392	A1604	18		3	DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				18	7	1	1	1	5	1	1
393	A1705	18		3	DEU	2004	Non-hospitalized person	Comm_Surv	E. faecium	pus	0	0				18	7	1	1	1	5	1	1
394	A1826	18		3	SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood						18	7	1	1	1	5	1	1
395	A1835	18		3	SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood						18	7	1	1	1	5	1	1
396	A2070	18		3	RUS	2005	Hospitalized patient	Clin_Isol	E. faecium	Wound	1	1				18	7	1	1	1	5	1	1
397	A2071	18		3	RUS	2005	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1				18	7	1	1	1	5	1	1
398	A2072	18		3	RUS	2006	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1				18	7	1	1	1	5	1	1
399	E0233	18		3	GBR	1992	Hospitalized patient	Hospital outbreak UK-1	E. faecium	Urine	1	1				18	7	1	1	1	5	1	1
400	E0235	18		3	GBR	1992	Hospitalized patient	Hospital outbreak UK-1	E. faecium	Urine	1	1				18	7	1	1	1	5	1	1
401	E0236	18		3	GBR	1992	Hospitalized patient	Hospital outbreak UK-1	E. faecium	Pus	1	1				18	7	1	1	1	5	1	1
402	E0506	18		3	AUS	1994	Hospitalized patient	Clin_Isol	E. faecium	Peritoneal fluid	0	1				18	7	1	1	1	5	1	1
403	E0766	18		3	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
404	E0841	18		3	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
405	E1176	18		3	ESP		Hospitalized patient	Clin_Isol	E. faecium	Nosocomial Pneu	1	1				18	7	1	1	1	5	1	1
406	E1184	18		3	FRA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				18	7	1	1	1	5	1	1
407	E1306	18		3	PRT		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				18	7	1	1	1	5	1	1
408	E1336	18		3	NLD	2001	Hospitalized patient	Clin_Isol	E. faecium	Wound	0	1				18	7	1	1	1	5	1	1
409	E1387	18		3	GBR	2000	Hospitalized patient	Clin_Isol	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
410	E1413	18		3	GBR	2000	Hospitalized patient	Clin_Isol	E. faecium		0	1				18	7	1	1	1	5	1	1
411	E1469	18		3	ESP	2000	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				18	7	1	1	1	5	1	1
412	E1471	18		3	ESP	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				18	7	1	1	1	5	1	1
413	E1473	18		3	ESP	2000	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				18	7	1	1	1	5	1	1
414	E1497	18		3	ESP	1998	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	1				18	7	1	1	1	5	1	1
415	E1507	18		3	ESP	1996	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0				18	7	1	1	1	5	1	1
416	E1592	18		3	NLD	2002	Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
417	E1653	18		3	NLD	2002	Hospitalized patient	Hospital outbreak NL-1-2	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
418	E1655	18		3	NLD	2002	Hospitalized patient	Hospital outbreak NL-1-2	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
419	E1657	18		3	NLD	2002	Hospitalized patient	Hospital outbreak NL-1-2	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
420	E1658	18		3	NLD	2002	Hospitalized patient	Hospital outbreak NL-1-2	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
421	E1659	18		3	NLD	2002	Hospitalized patient	Hospital outbreak NL-1-2	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
422	E1719	18		3	DNK		Hospitalized patient	Hospital outbreak DK-2	E. faecium	nd	0	1				18	7	1	1	1	5	1	1
423	E1732	18		3	TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				18	7	1	1	1	5	1	1
424	E1738	18		3	ESP	2002	Non-hospitalized person	Clin_Isol	E. faecium	nd	0	1				18	7	1	1	1	5	1	1
425	E1763	18		3	BEL		Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1				18	7	1	1	1	5	1	1
426	E1774	18		3	BEL	2001	Pig	Animal_pig	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
427	E1868	18		3	ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces		1				18	7	1	1	1	5	1	1
428	E1869	18		3	ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces		1				18	7	1	1	1	5	1	1
429	E1989	18		3	DEU	2001	Hospitalized patient		E. faecium	WA						18	7	1	1	1	5	1	1
430	E1994	18		3	DEU	2000	Hospitalized patient		E. faecium	Sheldonspitze						18	7	1	1	1	5	1	1
431	E1995	18		3	DEU	2000	Hospitalized patient		E. faecium	WA (unten)						18	7	1	1	1	5	1	1
432	E1996	18		3	DEU	2000	Hospitalized patient		E. faecium	BAL						18	7	1	1	1	5	1	1
433	E1997	18		3	DEU	2000	Hospitalized patient		E. faecium	WA						18	7	1	1	1	5	1	1
434	E2007	18		3	DEU	2000	Hospitalized patient		E. faecium	A						18	7	1	1	1	5	1	1
435	E2008	18		3	DEU	2000	Hospitalized patient		E. faecium	A						18	7	1	1	1	5	1	1
436	E2012	18		3	DEU	2000	Hospitalized patient		E. faecium	K-Spitze						18	7	1	1	1	5	1	1
437	E2022	18		3	DEU	2001	Hospitalized patient		E. faecium	K-Urin						18	7	1	1	1	5	1	1
438	E2373	18		3	SRB	2005	Hospitalized patient	Hospital outbreak SRB-1	E. faecium	Coproculture						18	7	1	1	1	5	1	1
439	E3998	18		3	NLD	2003	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				18	7	1	1	1	5	1	1
440	E4148	18		3	GBR	1994	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				18	7	1	1	1	5	1	1
441	E4152	18		3	GBR	1996	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				18	7	1	1	1	5	1	1

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
442	E4160	18	3	3	GBR	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				18	7	1	1	1	5	1	1
443	E4165	18	3	3	GBR	2000	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				18	7	1	1	1	5	1	1
444	E4184	18	3	3	NLD	2007	Hospitalized patient	Clin_Isol	E. faecium	Endocarditis	0					18	7	1	1	1	5	1	1
445	E4569	18	3	3	NLD	2008	Cat	Animal_Cat	E. faecium	Faeces		1				18	7	1	1	1	5	1	1
446	M-1634/TX2000	18	3	3	USA	1986	Hospitalized patient				1					18	7	1	1	1	5	1	1
447	SH-10/TX2435	18	3	3	USA	1990-1991	Hospitalized patient				1					18	7	1	1	1	5	1	1
448	SH-4/TX2429	18	3	3	USA	1990-1991	Hospitalized patient				1					18	7	1	1	1	5	1	1
449	SH-5/TX2430	18	3	3	USA	1990-1991	Hospitalized patient				1					18	7	1	1	1	5	1	1
450	U0004	18	3	3	NLD	2000	Hospitalized patient	Clin_Isol	E. faecium	Punction	0	1				18	7	1	1	1	5	1	1
451	U0005	18	3	3	NLD	2000	Hospitalized patient	Clin_Isol	E. faecium	Pus	0	1				18	7	1	1	1	5	1	1
452	U0011	18	3	3	NLD	2000	Hospitalized patient	Clin_Isol	E. faecium	Pus	1	1				18	7	1	1	1	5	1	1
453	U0035	18	3	3	NLD	2002	Hospitalized patient	Clin_Isol	E. faecium	Wound	0	1				18	7	1	1	1	5	1	1
454	U0044	18	3	3	NLD	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				18	7	1	1	1	5	1	1
455	U0071	18	3	3	NLD	2003	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				18	7	1	1	1	5	1	1
456	U0094	18	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
457	U0097	18	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
458	U0113	18	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
459	U0123	18	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
460	U0147	18	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
461	U0226	18	3	3	NLD	1996	Hospitalized patient	Clin_Isol	E. faecium	Abdominal fluid	1	1				18	7	1	1	1	5	1	1
462	U0254	18	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
463	U0256	18	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				18	7	1	1	1	5	1	1
464	W-27358/TX2016	18	3	3	USA	1986	Hospitalized patient				1					18	7	1	1	1	5	1	1
465	A1502	19	3	5	DEU	1997	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				19	7	1	1	1	1	11	1
466	E0072	19	3	5	NLD	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				19	7	1	1	1	1	11	1
467	E0121	19	3	5	NLD	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				19	7	1	1	1	1	11	1
468	E1584	19	3	5	NLD	2001	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				19	7	1	1	1	1	11	1
469	E1767	19	3	5	BEL	1999	Hospitalized patient	Clin_Isol	E. faecium	Pus	0	1				19	7	1	1	1	1	11	1
470	E4391	19	3	5	DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1				19	7	1	1	1	1	11	1
471	E4393	19	3	5	DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1				19	7	1	1	1	1	11	1
472	E4394	19	3	5	DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1				19	7	1	1	1	1	11	1
473	E4426	19	3	5	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1				19	7	1	1	1	1	11	1
474	E4430	19	3	5	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1				19	7	1	1	1	1	11	1
475	E4468	19	3	5	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				19	7	1	1	1	1	11	1
476	E4473	19	3	5	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				19	7	1	1	1	1	11	1
477	U0013	19	3	5	NLD	2000	Hospitalized patient	Clin_Isol	E. faecium	Wound	1	1				19	7	1	1	1	1	11	1
478	U0026	19	3	5	NLD	2001	Hospitalized patient	Clin_Isol	E. faecium	Autopsy	0	1				19	7	1	1	1	1	11	1
479	UWHC-4827/TX20	19	3	5	USA	1987-1988	Hospitalized patient				1	1				19	7	1	1	1	1	11	1
480	E0300	20	2	4	USA	1994	Hospitalized patient	Hospital outbreak US-1	E. faecium	Urine	1	1	1	1	1	20	5	1	1	1	8	6	1
481	E0292	20	2	4	USA	1992	Hospitalized patient	Hospital outbreak US-1	E. faecium	Urine	1	1				20	5	1	1	1	8	6	1
482	E0296	20	2	4	USA	1994	Hospitalized patient	Hospital outbreak US-1	E. faecium	Urine	1	1				20	5	1	1	1	8	6	1
483	E0298	20	2	4	USA	1994	Hospitalized patient	Hospital outbreak US-1	E. faecium	Blood	1	1				20	5	1	1	1	8	6	1
484	E0302	20	2	4	USA	1994	Hospitalized patient	Hospital outbreak US-1	E. faecium	Faeces	1	1				20	5	1	1	1	8	6	1
485	E0303	20	2	4	USA	1994	Hospitalized patient	Hospital outbreak US-1	E. faecium	Urine	1	1				20	5	1	1	1	8	6	1
486	E0304	20	2	4	USA	1994	Hospitalized patient	Hospital outbreak US-1	E. faecium	Catheter	1	1				20	5	1	1	1	8	6	1
487	E0305	20	2	4	USA	1994	Hospitalized patient	Hospital outbreak US-1	E. faecium	Urine	1	1				20	5	1	1	1	8	6	1
488	E0316	20	2	4	USA	1994	Hospitalized patient	Hospital outbreak US-1	E. faecium	Blood	1	1				20	5	1	1	1	8	6	1
489	E0319	20	2	4	USA	1994	Hospitalized patient	Hospital outbreak US-1	E. faecium	Urine	1	1				20	5	1	1	1	8	6	1
490	VREH-1/TX2416	20	2	4	USA	1992	Hospitalized patient				1					20	5	1	1	1	8	6	1
491	VREH-4/TX2419	20	2	4	USA	1992	Hospitalized patient				1					20	5	1	1	1	8	6	1
492	E1573	21	2	3	BEL	1994	Bison	Animal_Bison	E. faecium	Faeces	0	0	0	0	0	21	9	3	1	2	1	1	1
493	E0125	21	2	3	NLD	1995	Hospitalized patient	Clin_Isol	E. faecium	Bile	0	0	0	0	0	21	9	3	1	2	1	1	1
494	E0466	21	2	3	NLD	1996	Cat	Animal_Cat	E. faecium	Faeces	0	0	0	0	0	21	9	3	1	2	1	1	1
495	E0849	21	2	3	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	21	9	3	1	2	1	1	1
496	A0865	21	2	3	DEU	1992	Non-hospitalized person	Comm_Surv	E. faecium	human faeces	0	0				21	9	3	1	2	1	1	1
497	E0074	21	2	3	NLD	1995	Hospitalized patient	Clin_Isol	E. faecium		0	0				21	9	3	1	2	1	1	1
498	E0202	21	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0				21	9	3	1	2	1	1	1
499	E1069	21	2	3	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0				21	9	3	1	2	1	1	1
500	E2364	21	2	3	DEU	1997	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0				21	9	3	1	2	1	1	1
501	E1623	22	3	1	NLD	1960	Hospitalized patient	Clin_Isol	E. faecium	Pus	0	0			0	22	2	3	1	2	1	1	1
502	E1625	22	3	1	NLD	1961	Hospitalized patient	Clin_Isol	E. faecium	Liquor	0	0	0	0	0	22	2	3	1	2	1	1	1
503	E0073	22	3	1	NLD	1995	Hospitalized patient	Clin_Isol	E. faecium	Faeces	0	0	0	0	0	22	2	3	1	2	1	1	1
504	A0037	22	3	1	ITA		Cheese	Animal_Food	E. faecium	Food						22	2	3	1	2	1	1	1



Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk	
505	A0038	22	3	1	ITA		Cheese	Animal_Food	E. faecium	Food					22	2	3	1	2	1	1	1	1	
506	A1047	22	3	1	DEU	1994	Hospitalized patient		E. faecium						22	2	3	1	2	1	1	1	1	
507	A1156	22	3	1	ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	0	0			22	2	3	1	2	1	1	1	1	
508	A2186	22	3	1			Pig	Animal_Pig	E. faecium	Faeces					22	2	3	1	2	1	1	1	1	
509	E0122	22	3	1	NLD	1995	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	0			22	2	3	1	2	1	1	1	1	
510	E0126	22	3	1	NLD	1996	Hospitalized patient	Clin_Isol	E. faecium	Ascites	0	0			22	2	3	1	2	1	1	1	1	
511	E0749	22	3	1	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0			22	2	3	1	2	1	1	1	1	
512	E1272	22	3	1	FRA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			22	2	3	1	2	1	1	1	1	
513	E1510	22	3	1	ESP	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			22	2	3	1	2	1	1	1	1	
514	E1852	22	3	1	ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces		0			22	2	3	1	2	1	1	1	1	
515	E2040	22	3	1	DEU	2000	Hospitalized patient		E. faecium	WA	1				22	2	3	1	2	1	1	1	1	
516	E2083	22	3	1	DNK	2001	Pig	Animal_pig	E. faecium			0			22	2	3	1	2	1	1	1	1	
517	E0461	23	3	1	NLD	1996	Dog	Animal_Dog	E. faecium	Faeces	0	0			23	2	3	1	2	1	1	1	7	
518	E0462	24	3	1	NLD	1996	Dog	Animal_Dog	E. faecium	Faeces	0	0			24	2	3	1	7	1	1	1	1	
519	E0005	25	2	3	FRA	1986	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0		1	25	9	3	1	6	1	1	1	1	
520	E1250	25	2	3	CHE		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0	0	0	25	9	3	1	6	1	1	1	1	
521	A1034	25	2	3	DEU	1986	Hospitalized patient		E. faecium					25	9	3	1	6	1	1	1	1	1	
522	A1043	25	2	3	DEU	1991	Hospitalized patient		E. faecium					25	9	3	1	6	1	1	1	1	1	
523	A1380	25	2	3	CHN	2004	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			25	9	3	1	6	1	1	1	1	
524	A1541	25	2	3	DEU	2002	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			25	9	3	1	6	1	1	1	1	
525	E0119	25	2	3	NLD	1995	Hospitalized patient	Clin_Isol	E. faecium	Wound	0	0			25	9	3	1	6	1	1	1	1	
526	E1196	25	2	3	CHE		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			25	9	3	1	6	1	1	1	1	
527	E1273	25	2	3	FRA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			25	9	3	1	6	1	1	1	1	
528	E1770	25	2	3	BEL	1996	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0			25	9	3	1	6	1	1	1	1	
529	NEDH 758/TX2052	25	2	3	USA	1973	Hospitalized patient		E. faecium			1			25	9	3	1	6	1	1	1	1	
530	U0220	25	2	3	NLD	1996	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			25	9	3	1	6	1	1	1	1	
531	UWHC-112/TX204	25	2	3	USA	1987-1988	Hospitalized patient		E. faecium			1			25	9	3	1	6	1	1	1	1	
532	UWHC-9802/TX20	25	2	3	USA	1987-1988	Hospitalized patient		E. faecium			1			25	9	3	1	6	1	1	1	1	
533	A1746	26	2	1	USA	2005			E. faecium						26	9	2	1	6	1	1	1	1	
534	A2204	26	2	1			Poultry	Animal_Poultry	E. faecium	Faeces					26	9	2	1	6	1	1	1	1	
535	E0164	26	2	1	NLD	1996	Poultry	Animal_Poultry	E. faecium	Faeces	0	0			26	9	2	1	6	1	1	1	1	
536	E1185	26	2	1	FRA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			26	9	2	1	6	1	1	1	1	
537	E1268	26	2	1	FRA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			26	9	2	1	6	1	1	1	1	
538	E0463	27	3	3	NLD	1996	Dog	Animal_Dog	E. faecium	Faeces	0	0	1	0	0	27	2	7	5	7	1	1	1	1
539	E1574	27	3	3	BEL	1995	Dog	Animal_Dog	E. faecium	Faeces	0	0	1	0	0	27	2	7	5	7	1	1	1	1
540	E0120	27	3	3	NLD	1995	Hospitalized patient	Clin_Isol	E. faecium	Ascites	0	0			27	2	7	5	7	1	1	1	1	
541	E0203	27	3	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0			27	2	7	5	7	1	1	1	1	
542	E2071	27	3	3	DNK	2001	Poultry	Animal_Poultry	E. faecium					27	2	7	5	7	1	1	1	1	1	
543	E0467	28	3	3	NLD	1996	Cat	Animal_Cat	E. faecium	Faeces	0	0			28	2	7	5	6	1	1	1	1	
544	A0019	29	3	2	AUS	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood					29	4	5	1	3	1	1	1	1	
545	E1778	29	3	2	BEL	2001	Pig	Animal_pig	E. faecium	Faeces	0	0			29	4	5	1	3	1	1	1	1	
546	E4182	29	3	2	FRA	2003	Non-hospitalized person	Comm_Surv	E. faecium	Faeces		1			29	4	5	1	3	1	1	1	1	
547	A0021	30	2	3	AUS	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood					30	5	3	1	6	2	2	1	1	
548	A0012	31	3	1	AUS	1996	Non-hospitalized person	Clin_Isol	E. faecium					31	1	3	1	1	1	1	1	3		
549	E1071	32	3	1	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	32	3	3	1	2	1	1	1	1
550	A0016	32	3	1	AUS	1999	Non-hospitalized person	Comm_Surv	E. faecium					32	3	3	1	2	1	1	1	1	1	
551	A0240	32	3	1	NLD				E. faecium					32	3	3	1	2	1	1	1	1	1	
552	A2192	32	3	1			Pig	Animal_Pig	E. faecium	Faeces					32	3	3	1	2	1	1	1	1	
553	D0539	32	3	1	NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0			32	3	3	1	2	1	1	1	1	
554	E1488	32	3	1	ESP	2000	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	32	3	3	1	2	1	1	1	1
555	E1855	32	3	1	ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces		0			32	3	3	1	2	1	1	1	1	
556	E1860	32	3	1	ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces		0			32	3	3	1	2	1	1	1	1	
557	E4133	32	3	1	GBR	1987	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			32	3	3	1	2	1	1	1	1	
558	A0013	33	3	1	AUS	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood					33	2	3	1	2	1	5	1	1	
559	A0015	34	3	1	AUS	1999	Environment	Environment	E. faecium					34	3	3	1	2	2	1	1	1	1	
560	A0017	35	3	1	AUS	2000	Environment	Environment	E. faecium					35	3	3	1	6	1	1	1	1	1	
561	A0018	35	3	1	AUS	2000	Environment	Environment	E. faecium					35	3	3	1	6	1	1	1	1	1	
562	A0014	36	3	1	AUS	1999	Environment	Environment	E. faecium					36	2	3	2	2	3	1	1	1	1	
563	A0020	37	2	3	AUS	2000	Environment	Environment	E. faecium					37	9	7	5	7	1	8	1	1	1	
564	A0022	38	3	5	AUS	1999	Hospitalized patient	Clin_Isol	E. faecium	Peritoneal fluid				38	2	5	3	5	4	4	1	1	1	
565	A0024	39	1		AUS	1999	Hospitalized patient	Clin_Isol	E. faecium	Tissue				39	6	6	4	4	3	3	2	1	1	
566	A0246	39	1		NLD				E. faecium					39	6	6	4	4	3	3	2	1	1	
567	A0023	40	1		AUS	2000	Environment	Environment	E. faecium					40	10	8	8	8	6	10	6	1	6	

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
568	E1222	41	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0				41	8	4	5	3	1	1	5
569	E1225	41	2	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0				41	8	4	5	3	1	1	5
570	E1039	42	2	3	NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	42	17	4	1	13	1	1	5
571	A0040	43	3	3	ITA		Meat	Animal_Food	E. faecium	Food						43	3	4	5	7	1	1	5
572	E1224	43	3	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0				43	3	4	5	7	1	1	5
573	E0788	44	3	3	NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0				44	3	2	12	9	1	1	5
574	E1221	44	3	3	NLD	1996	Calf	Animal_Calf	E. faecium	Faeces	0	0				44	3	2	12	9	1	1	5
575	D0363	45	2	1	NLD	1999	Pig	Animal_Pig	E. faecium	Faeces	0	0				45	5	5	1	6	1	1	5
576	D0166	46	2	1	NLD	1999	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0				46	5	2	1	11	1	14	6
577	E0996	47	2	1	NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0				47	9	2	1	11	1	14	5
578	A2201	48	2	1			Poultry	Animal_Poultry	E. faecium	Faeces						48	9	2	1	6	1	16	1
579	D0532	48	2	1	NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0				48	9	2	1	6	1	16	1
580	A2189	49	2	1			Pig	Animal_Pig	E. faecium	Faeces						49	15	2	12	6	1	1	1
581	D0365	49	2	1	NLD	1999	Pig	Animal_Pig	E. faecium	Faeces	0	0				49	15	2	12	6	1	1	1
582	E0772	50	2	1	NLD	2000	Hospitalized patient	Hospital outbreak NL-2-2	E. faecium	Faeces	0	1	1	0	0	50	15	1	6	6	1	1	1
583	E1554	50	2	1	NLD	2002	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1	1	0	0	50	15	1	6	6	1	1	1
584	E0774	50	2	1	NLD	2000	Hospitalized patient	Hospital outbreak NL-2-2	E. faecium	Faeces	0	1				50	15	1	6	6	1	1	1
585	E1293	50	2	1	ITA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				50	15	1	6	6	1	1	1
586	E1320	50	2	1	ITA	1999	Hospitalized patient	Clin_Isol	E. faecium	Bile	1	1				50	15	1	6	6	1	1	1
587	E2041	50	2	1	DEU	2000	Hospitalized patient		E. faecium	WA						50	15	1	6	6	1	1	1
588	E4179	50	2	1	FRA	2003	Non-hospitalized person	Comm_Surv	E. faecium	Faeces		1				50	15	1	6	6	1	1	1
589	D0534	51	2	1	NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces						51	16	2	7	6	2	1	1
590	D0161	52	3	5	NLD	1999	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0				52	12	9	6	3	1	13	1
591	E2563	52	3	5	NLD	2004	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0				52	12	9	6	3	1	13	1
592	D0531	53	3	3	NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	1				53	3	2	6	3	1	7	1
593	E0676	53	3	3	ESP		Poultry	Animal_Poultry	E. faecium	Faeces	0	0				53	3	2	6	3	1	7	1
594	E1002	54	3	5	NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	1	0	0	54	2	9	6	6	1	11	1
595	E1192	54	3	5	PRT		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0				54	2	9	6	6	1	11	1
596	D0540	55	3	3	NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0				55	2	1	1	2	1	1	1
597	E1028	56	2	3	NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	1	0	0	56	5	3	1	6	1	1	1
598	D0159	57	3	2	NLD	1999	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0				57	4	3	1	3	1	1	1
599	E1678	57	3	2	BRA		Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	1				57	4	3	1	3	1	1	1
600	D0544	58	2	3	NLD	1997	Poultry	Animal_Poultry	E. faecium	Faeces	0	0				58	5	3	11	6	2	16	1
601	D0307	59	3	4	NLD	1999	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0				59	14	4	10	6	1	15	5
602	E1582	59	3	4	BEL	2001	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	59	14	4	10	6	1	15	5
603	D0302	60	1		NLD	1999	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0				60	13	8	8	8	11	10	6
604	E1007	61	1		NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0				61	13	8	8	8	6	17	6
605	E1333	61	1		NLD		Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0				61	13	8	8	8	6	17	6
606	D0154	62	1		NLD	1999	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0					62	11	8	9	10	10	9	6
607	E1460	63	3	3	ESP	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				63	1	1	1	21	1	1	1
608	E1739	63	3	3	ESP	2000	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				63	1	1	1	21	1	1	1
609	A1389	64	3	3	CHN	2007	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	1				64	7	1	1	1	1	1	1
610	E1392	64	3	3	GBR	2000	Hospitalized patient	Clin_Isol	E. faecium	Faeces	1	1				64	7	1	1	1	1	1	1
611	E1422	64	3	3	GBR	1997	Hospitalized patient	Clin_Isol	E. faecium	Faeces	1	1				64	7	1	1	1	1	1	1
612	E4142	64	3	3	GBR	1992	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				64	7	1	1	1	1	1	1
613	E4150	64	3	3	GBR	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				64	7	1	1	1	1	1	1
614	E4155	64	3	3	GBR	1998	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				64	7	1	1	1	1	1	1
615	E4161	64	3	3	GBR	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				64	7	1	1	1	1	1	1
616	E1435	65	3	3	GRC	1999	Hospitalized patient	Hospital outbreak GR-3	E. faecium	Blood	1	1	1	1	1	65	1	2	1	20	1	1	9
617	A0866	65	3	3	DEU	2004	Hospitalized patient	Hosp_Surv	E. faecium	anal swab	1	1				65	1	2	1	20	1	1	9
618	A1016	65	3	3	DEU	2004	Hospitalized patient	Hosp_Surv	E. faecium	anal swab	1	1				65	1	2	1	20	1	1	9
619	A1532	65	3	3	DEU	2000	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				65	1	2	1	20	1	1	9
620	A1537	65	3	3	DEU	2001	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				65	1	2	1	20	1	1	9
621	E1438	65	3	3	GRC	1999	Hospitalized patient	Hospital outbreak GR-3	E. faecium	Blood	1	1				65	1	2	1	20	1	1	9
622	E1527	65	3	3	AUT		Hospitalized patient	Clin_Isol	E. faecium	nd	1	1				65	1	2	1	20	1	1	9
623	E1528	65	3	3	AUT		Hospitalized patient	Clin_Isol	E. faecium	nd	1	1				65	1	2	1	20	1	1	9
624	E1991	65	3	3	DEU	2001	Hospitalized patient		E. faecium	Gewebe						65	1	2	1	20	1	1	9
625	E2032	65	3	3	DEU	2000	Hospitalized patient		E. faecium	Galle						65	1	2	1	20	1	1	9
626	E2035	65	3	3	DEU	2000	Hospitalized patient		E. faecium	BK						65	1	2	1	20	1	1	9
627	E2045	65	3	3	DEU	2001	Hospitalized patient		E. faecium	BK						65	1	2	1	20	1	1	9
628	E2046	65	3	3	DEU	2001	Hospitalized patient		E. faecium	WA						65	1	2	1	20	1	1	9
629	U0252	65	3	3	NLD	2004	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1				65	1	2	1	20	1	1	9
630	U0263	65	3	3	NLD	2004	Hospitalized patient	Clin_Isol	E. faecium	Pus	1	1				65	1	2	1	20	1	1	9

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
631	E1627	66	2	1	NLD	1979	Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	0	0	0	0	66	9	5	1	3	1	1	1
632	E1634	66	2	1	NLD	1982	River water	Environment	E. faecium	Environment	0	0	0	0	0	66	9	5	1	3	1	1	1
633	E1620	67	2	3	NLD	1957	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0	0	0	0	67	5	3	13	6	2	1	1
634	E1628	68	2	3	NLD	1981	River water	Environment	E. faecium	Environment	0	0	0	0	0	68	9	12	12	24	1	1	5
635	E1630	69	2	1	NLD	1981	River water	Environment	E. faecium	Environment	0	0	1	0	0	69	9	2	1	11	1	14	6
636	E1631	69	2	1	NLD	1981	River water	Environment	E. faecium	Environment	0	0	1	0	0	69	9	2	1	11	1	14	6
637	E1619	70	2	3	NOR	1964	Fish burger	Animal_Food	E. faecium	Food	0	0	0	0	0	70	9	4	12	9	1	7	10
638	E1520	71	2	3	ESP	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0				71	15	3	1	2	1	1	1
639	SEH1a/TX1361	71	2	3	USA	1993-1994	Hospitalized patient				1					71	15	3	1	2	1	1	1
640	E1611	72	3	3	NOR	1956	Cheese	Animal_Food	E. faecium	Food	0	0				72	3	1	1	2	13	1	1
641	E1406	73	3	1	GBR	2000	Hospitalized patient	Clin_Isol	E. faecium		0	0				73	20	9	16	3	1	25	1
642	E1499	74	1	1	ESP	1999	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	0	1	0	0	74	22	13	14	22	6	27	6
643	E1604	75	1	1	NOR	1956	Cheese	Animal_Food	E. faecium	Food	0	0				75	13	8	8	23	6	28	11
644	E1607	76	1	1	NOR	1956	Cheese	Animal_Food	E. faecium	Food	0	0	1	1	0	76	13	8	10	23	6	28	11
645	E1613	77	1	1	NOR	1964	Fish burger	Animal_Food	E. faecium	Food	0	0				77	13	8	10	23	6	29	11
646	E1616	77	1	1	NOR	1964	Fish burger	Animal_Food	E. faecium	Food	0	0				77	13	8	10	23	6	29	11
647	E1263	78	2	1	AUT	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1	1	1	0	78	15	1	1	1	1	1	1
648	E1643	78	2	1	DEU	2002	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1	1	1	1	78	15	1	1	1	1	1	1
649	E1644	78	2	1	DEU	2002	Hospitalized patient	Hospital outbreak DE-1	E. faecium	Catheter urine	1	1	1	1	1	78	15	1	1	1	1	1	1
650	A0028	78	2	1	ITA	2000	Hospitalized patient	Hospital outbreak IT-2	E. faecium						78	15	1	1	1	1	1	1	
651	A0029	78	2	1	ITA	2000	Hospitalized patient	Hospital outbreak IT-2	E. faecium						78	15	1	1	1	1	1	1	
652	A0030	78	2	1	ITA	2000	Hospitalized patient	Hospital outbreak IT-2	E. faecium						78	15	1	1	1	1	1	1	
653	A0031	78	2	1	ITA	2000	Hospitalized patient	Hospital outbreak IT-2	E. faecium						78	15	1	1	1	1	1	1	
654	A0032	78	2	1	ITA	2000	Hospitalized patient	Hospital outbreak IT-2	E. faecium						78	15	1	1	1	1	1	1	
655	A0070	78	2	1	ITA	2001	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				78	15	1	1	1	1	1	1
656	A0071	78	2	1	ITA	2001	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				78	15	1	1	1	1	1	1
657	A0073	78	2	1	KOR	1998	Hospitalized patient	Clin_Isol	E. faecium	Sputum	1					78	15	1	1	1	1	1	1
658	A0079	78	2	1	KOR	1999	Hospitalized patient	Clin_Isol	E. faecium	Others	1					78	15	1	1	1	1	1	1
659	A0083	78	2	1	KOR	2001	Hospitalized patient	Clin_Isol	E. faecium	Others	1					78	15	1	1	1	1	1	1
660	A0084	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Tissue	1					78	15	1	1	1	1	1	1
661	A0085	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Urine, catheterize	1					78	15	1	1	1	1	1	1
662	A0087	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Urine, voided	1					78	15	1	1	1	1	1	1
663	A0089	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Wound,surgical/Ti	1					78	15	1	1	1	1	1	1
664	A0090	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Urine, voided	1					78	15	1	1	1	1	1	1
665	A0091	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Urine, catheterize	1					78	15	1	1	1	1	1	1
666	A0097	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood,central line	1					78	15	1	1	1	1	1	1
667	A0098	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Others	1					78	15	1	1	1	1	1	1
668	A0099	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Central line tip	1					78	15	1	1	1	1	1	1
669	A0100	78	2	1	KOR	2002	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1					78	15	1	1	1	1	1	1
670	A0101	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Urine, voided	1					78	15	1	1	1	1	1	1
671	A0105	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Fluid,other	1					78	15	1	1	1	1	1	1
672	A0106	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Fluid,joint	1					78	15	1	1	1	1	1	1
673	A0107	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Urine, voided	1					78	15	1	1	1	1	1	1
674	A0108	78	2	1	KOR	2002	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1					78	15	1	1	1	1	1	1
675	A0109	78	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Others	1					78	15	1	1	1	1	1	1
676	A0110	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Fluid ,peritoneal	1					78	15	1	1	1	1	1	1
677	A0111	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine, catheterize	1					78	15	1	1	1	1	1	1
678	A0113	78	2	1	KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1					78	15	1	1	1	1	1	1
679	A0115	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine, voided	1					78	15	1	1	1	1	1	1
680	A0116	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Others	1					78	15	1	1	1	1	1	1
681	A0117	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Pus, open	1					78	15	1	1	1	1	1	1
682	A0119	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Others	1					78	15	1	1	1	1	1	1
683	A0120	78	2	1	KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1					78	15	1	1	1	1	1	1
684	A0121	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Blood,central line	1					78	15	1	1	1	1	1	1
685	A0123	78	2	1	KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1					78	15	1	1	1	1	1	1
686	A0124	78	2	1	KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1					78	15	1	1	1	1	1	1
687	A0125	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Pus, open	1					78	15	1	1	1	1	1	1
688	A0126	78	2	1	KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1					78	15	1	1	1	1	1	1
689	A0127	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine, catheterize	1					78	15	1	1	1	1	1	1
690	A0128	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine, catheterize	1					78	15	1	1	1	1	1	1
691	A0129	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine, voided	1					78	15	1	1	1	1	1	1
692	A0130	78	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Pus, closed	1					78	15	1	1	1	1	1	1
693	A0131	78	2	1	KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1					78	15	1	1	1	1	1	1

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
694	A0132	78		2	1 KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1				78	15	1	1	1	1	1	1	1
695	A0133	78		2	1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Pus, open	1				78	15	1	1	1	1	1	1	1
696	A0134	78		2	1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Blood,peripheral	1				78	15	1	1	1	1	1	1	1
697	A0135	78		2	1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Pus, open	1				78	15	1	1	1	1	1	1	1
698	A0136	78		2	1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Wound,surgical	1				78	15	1	1	1	1	1	1	1
699	A0137	78		2	1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Wound,surgical	1				78	15	1	1	1	1	1	1	1
700	A0139	78		2	1 KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1				78	15	1	1	1	1	1	1	1
701	A0140	78		2	1 KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1				78	15	1	1	1	1	1	1	1
702	A0143	78		2	1 KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1				78	15	1	1	1	1	1	1	1
703	A0147	78		2	1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine, voided	1				78	15	1	1	1	1	1	1	1
704	A0148	78		2	1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Blood,central line	1				78	15	1	1	1	1	1	1	1
705	A0149	78		2	1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine, Voided	1				78	15	1	1	1	1	1	1	1
706	A0748	78		2	1 KOR	2004	Hospitalized patient		E. faecium		1	1			78	15	1	1	1	1	1	1	1
707	A0749	78		2	1 KOR	2004	Hospitalized patient		E. faecium		1	1			78	15	1	1	1	1	1	1	1
708	A0752	78		2	1 KOR	2004	Hospitalized patient		E. faecium		1	1			78	15	1	1	1	1	1	1	1
709	A0754	78		2	1 KOR	2004	Hospitalized patient		E. faecium		1	1			78	15	1	1	1	1	1	1	1
710	A0755	78		2	1 KOR	2004	Hospitalized patient		E. faecium		1	1			78	15	1	1	1	1	1	1	1
711	A0757	78		2	1 KOR	2004	Hospitalized patient		E. faecium		1	1			78	15	1	1	1	1	1	1	1
712	A0764	78		2	1 KOR	2004	Hospitalized patient		E. faecium		1	0			78	15	1	1	1	1	1	1	1
713	A0768	78		2	1 KOR	2004	Hospitalized patient		E. faecium		1	1			78	15	1	1	1	1	1	1	1
714	A0771	78		2	1 KOR	2004	Hospitalized patient		E. faecium		1	1			78	15	1	1	1	1	1	1	1
715	A0772	78		2	1 KOR	2004	Hospitalized patient		E. faecium		0	1			78	15	1	1	1	1	1	1	1
716	A0867	78		2	1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	knee biopsy	1	1			78	15	1	1	1	1	1	1	1
717	A1093	78		2	1 ITA	2004	Hospitalized patient	Clin_isol	E. faecium	Periepatic drainag	1	1			78	15	1	1	1	1	1	1	1
718	A1095	78		2	1 ITA	2004	Hospitalized patient	Clin_isol	E. faecium	erihepatic drainag	0	1			78	15	1	1	1	1	1	1	1
719	A1096	78		2	1 ITA	2004	Hospitalized patient	Clin_isol	E. faecium	Abdominal drainag	0	1			78	15	1	1	1	1	1	1	1
720	A1097	78		2	1 ITA	2004	Hospitalized patient	Hosp_surv	E. faecium	Skin swab	1	1			78	15	1	1	1	1	1	1	1
721	A1099	78		2	1 ITA	2004	Hospitalized patient	Hosp_surv	E. faecium	Skin swab	1	1			78	15	1	1	1	1	1	1	1
722	A1100	78		2	1 ITA	2004	Hospitalized patient	Clin_isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
723	A1103	78		2	1 ITA	2004	Hospitalized patient	Hosp_surv	E. faecium	Skin swab	1	1			78	15	1	1	1	1	1	1	1
724	A1105	78		2	1 ITA	2004	Hospitalized patient	Clin_isol	E. faecium	Bile	1	1			78	15	1	1	1	1	1	1	1
725	A1106	78		2	1 ITA	2004	Hospitalized patient	Clin_isol	E. faecium	Bile	1	1			78	15	1	1	1	1	1	1	1
726	A1110	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Broncoaspirate	1	1			78	15	1	1	1	1	1	1	1
727	A1111	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
728	A1112	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	1	1			78	15	1	1	1	1	1	1	1
729	A1114	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	1	1			78	15	1	1	1	1	1	1	1
730	A1116	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Abdominal drainag	1	1			78	15	1	1	1	1	1	1	1
731	A1118	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Broncoalveolar lav	1	1			78	15	1	1	1	1	1	1	1
732	A1126	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	1	1			78	15	1	1	1	1	1	1	1
733	A1137	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	1	1			78	15	1	1	1	1	1	1	1
734	A1144	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Faringeal swab	0	1			78	15	1	1	1	1	1	1	1
735	A1148	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Bile	0	1			78	15	1	1	1	1	1	1	1
736	A1152	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Broncoaspirate	0	1			78	15	1	1	1	1	1	1	1
737	A1153	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	1	1			78	15	1	1	1	1	1	1	1
738	A1154	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	1	1			78	15	1	1	1	1	1	1	1
739	A1155	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Broncoaspirate	0	1			78	15	1	1	1	1	1	1	1
740	A1162	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
741	A1163	78		2	1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Broncoaspirate	1	1			78	15	1	1	1	1	1	1	1
742	A1377	78		2	1 CHN	2001	Hospitalized patient	Clin_Isol	E. faecium	Sputum	0	1			78	15	1	1	1	1	1	1	1
743	A1378	78		2	1 CHN	2004	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	1			78	15	1	1	1	1	1	1	1
744	A1382	78		2	1 CHN	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
745	A1386	78		2	1 CHN	2006	Hospitalized patient	Clin_Isol	E. faecium	Drain	1	1			78	15	1	1	1	1	1	1	1
746	A1388	78		2	1 CHN	2007	Hospitalized patient	Clin_Isol	E. faecium	Drain	1	1			78	15	1	1	1	1	1	1	1
747	A1392	78		2	1 CHN	2007	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	0			78	15	1	1	1	1	1	1	1
748	A1393	78		2	1 CHN	2007	Hospitalized patient	Clin_Isol	E. faecium	Drain	0	1			78	15	1	1	1	1	1	1	1
749	A1394	78		2	1 CHN	2006	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
750	A1399	78		2	1 CHN	2007	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
751	A1401	78		2	1 CHN	2007	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1			78	15	1	1	1	1	1	1	1
752	A1562	78		2	1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			78	15	1	1	1	1	1	1	1
753	A1565	78		2	1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			78	15	1	1	1	1	1	1	1
754	A1568	78		2	1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			78	15	1	1	1	1	1	1	1
755	A1579	78		2	1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			78	15	1	1	1	1	1	1	1
756	A1593	78		2	1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			78	15	1	1	1	1	1	1	1

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
757	A1616	78	2		1 CHN	2006	Hospitalized patient		E. faecium						78	15	1	1	1	1	1	1	1
758	A1617	78	2		1 CHN	2006	Hospitalized patient		E. faecium						78	15	1	1	1	1	1	1	1
759	A1619	78	2		1 CHN	2006	Hospitalized patient		E. faecium						78	15	1	1	1	1	1	1	1
760	A1620	78	2		1 CHN	2006	Hospitalized patient		E. faecium						78	15	1	1	1	1	1	1	1
761	A1624	78	2		1 CHN	2007	Hospitalized patient		E. faecium						78	15	1	1	1	1	1	1	1
762	A1732	78	2		1 JPN	2007	Hospitalized patient	Clin_Isol	E. faecium	Urine					78	15	1	1	1	1	1	1	1
763	A1735	78	2		1 JPN	2006	Hospitalized patient	Clin_Isol	E. faecium	Wound					78	15	1	1	1	1	1	1	1
764	A1823	78	2		1 SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood					78	15	1	1	1	1	1	1	1
765	E1181	78	2		1 AUT		Hospitalized patient	Clin_Isol	E. faecium	Blood					78	15	1	1	1	1	1	1	1
766	E1186	78	2		1 DEU		Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
767	E1267	78	2		1 AUT		Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
768	E1277	78	2		1 DEU		Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
769	E1321	78	2		1 ITA	1999	Hospitalized patient	Clin_Isol	E. faecium	Catheter	1	1			78	15	1	1	1	1	1	1	1
770	E1324	78	2		1 ITA	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
771	E1325	78	2		1 ITA	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
772	E2368	78	2		1 HUN	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood					78	15	1	1	1	1	1	1	1
773	E2369	78	2		1 HUN	2005	Hospitalized patient	Clin_Isol	E. faecium	Wound					78	15	1	1	1	1	1	1	1
774	E2375	78	2		1 NLD	2005	Hospitalized patient		E. faecium			1			78	15	1	1	1	1	1	1	1
775	E2397	78	2		1 NLD	2006	Hospitalized patient		E. faecium			1			78	15	1	1	1	1	1	1	1
776	E2454	78	2		1 NLD		Hospitalized patient	Clin_Isol	E. faecium	Blood	1				78	15	1	1	1	1	1	1	1
777	E2479	78	2		1 NLD		Hospitalized patient		E. faecium		1				78	15	1	1	1	1	1	1	1
778	E2560	78	2		1 NLD	2006	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
779	E2603	78	2		1 NLD	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
780	E2618	78	2		1 NLD	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
781	E2632	78	2		1 NLD	2006	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
782	E3169	78	2		1 NLD	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
783	E3180	78	2		1 NLD	2006	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
784	E3582	78	2		1 NLD	2006	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
785	E4076	78	2		1 NLD	2006	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
786	E4389	78	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
787	E4392	78	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
788	E4395	78	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
789	E4396	78	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
790	E4397	78	2		1 DNK		Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
791	E4398	78	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
792	E4400	78	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
793	E4401	78	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
794	E4402	78	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
795	E4403	78	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
796	E4407	78	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
797	E4408	78	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
798	E4409	78	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
799	E4422	78	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
800	E4424	78	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
801	E4434	78	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
802	E4437	78	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			78	15	1	1	1	1	1	1	1
803	E4589	78	2		1 NLD		Cat	Animal_Cat	E. faecium	Faeces	1	1			78	15	1	1	1	1	1	1	1
804	U0262	78	2		1 NLD	2004	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
805	U0317	78	2		1 NLD	2005	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1			78	15	1	1	1	1	1	1	1
806	U0367	78	2		1 NLD	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			78	15	1	1	1	1	1	1	1
807	U0443	78	2		1 NLD	2005	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			78	15	1	1	1	1	1	1	1
808	U0495	78	2		1 NLD	2005	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			78	15	1	1	1	1	1	1	1
809	U0496	78	2		1 NLD	2005	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			78	15	1	1	1	1	1	1	1
810	U0565	78	2		1 NLD	2005	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			78	15	1	1	1	1	1	1	1
811	U0573	78	2		1 NLD	2005	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			78	15	1	1	1	1	1	1	1
812	U0590	78	2		1 NLD	2006	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			78	15	1	1	1	1	1	1	1
813	U0603	78	2		1 NLD	2006	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			78	15	1	1	1	1	1	1	1
814	U0625	78	2		1 NLD	2006	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			78	15	1	1	1	1	1	1	1
815	U0631	78	2		1 NLD	2006	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			78	15	1	1	1	1	1	1	1
816	E0322	79	2		3 FRA	1997	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	79	9	3	1	6	1	7	1
817	A1492	79	2		3 DEU	1991	Hospitalized patient	Clin_Isol	E. faecium	blood	0	0			79	9	3	1	6	1	7	1	1
818	E0323	79	2		3 FRA	1997	Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	0	0	0	0	79	9	3	1	6	1	7	1
819	E0333	80	2		1 ISR	1997	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1	1	0	1	80	9	1	1	1	12	1	1

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No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
820	A0183	80	2		1 KOR				E. faecium						80	9	1	1	1	12	1	1	
821	A1130	80	2		1 ITA	2005	Hospitalized patient	Hosp_surv	E. faecium	Skin swab	1	1			80	9	1	1	1	12	1	1	
822	A1145	80	2		1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Abdominal draina	1	1			80	9	1	1	1	12	1	1	
823	A1164	80	2		1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Abdominal draina	1	1			80	9	1	1	1	12	1	1	
824	A1514	80	2		1 DEU	1999	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			80	9	1	1	1	12	1	1	
825	A1531	80	2		1 DEU	2000	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			80	9	1	1	1	12	1	1	
826	A1820	80	2		1 SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood					80	9	1	1	1	12	1	1	
827	A1831	80	2		1 SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood					80	9	1	1	1	12	1	1	
828	E0705	80	2		1 GBR		Hospitalized patient	Clin_Isol	E. faecium		0	1			80	9	1	1	1	12	1	1	
829	E1992	80	2		1 DEU	2001	Hospitalized patient		E. faecium	blood					80	9	1	1	1	12	1	1	
830	E2365	80	2		1 HUN	2004	Hospitalized patient	Hospital outbreak HUN-1	E. faecium	Blood					80	9	1	1	1	12	1	1	
831	E2366	80	2		1 HUN	2004	Hospitalized patient	Hospital outbreak HUN-1	E. faecium	Urine					80	9	1	1	1	12	1	1	
832	A1522	81	3		3 DEU	1999	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			81	7	1	1	5	5	1	1	
833	A1523	81	3		3 DEU	1999	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			81	7	1	1	5	5	1	1	
834	A1524	81	3		3 DEU	1999	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			81	7	1	1	5	5	1	1	
835	A1600	81	3		3 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			81	7	1	1	5	5	1	1	
836	E0338	81	3		3 ITA	1997	Hospitalized patient	Clin_Isol	E. faecium	Skin	0	1			81	7	1	1	5	5	1	1	
837	E4144	81	3		3 GBR	1993	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			81	7	1	1	5	5	1	1	
838	A0060	82	2		1 BEL		Poultry	Animal_Poultry	E. faecium						82	9	2	6	3	1	7	1	
839	A1742	82	2		1 USA	2005			E. faecium						82	9	2	6	3	1	7	1	
840	A2205	82	2		1		Poultry	Animal_Poultry	E. faecium	Faeces					82	9	2	6	3	1	7	1	
841	E0127	82	2		1 NLD	1997	Hospitalized patient	Clin_Isol	E. faecium	Ascites	0	0			82	9	2	6	3	1	7	1	
842	E0128	82	2		1 NLD	1996	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	82	9	2	6	3	1	7	1
843	E0341	82	2		1 GBR	1997	Hospitalized patient	Clin_Isol	E. faecium		0	0			82	9	2	6	3	1	7	1	
844	E1394	83	2		3 GBR	2000	Hospitalized patient	Clin_Isol	E. faecium		0	0			83	9	12	1	3	7	23	5	
845	E1403	84	3		1 GBR	2000	Hospitalized patient	Clin_Isol	E. faecium		0	0	1	0	0	84	12	3	1	19	1	24	1
846	E1262	85	1		ESP		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			85	13	8	15	8	11	10	6	
847	E1503	85	1		ESP	1995	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			85	13	8	15	8	11	10	6	
848	E1621	86	3		1 NLD	1959	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0	1	0	0	86	12	15	1	3	1	30	12
849	E0075	87	3		3 NLD	1995	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	87	3	5	1	6	1	1	1
850	E0124	88	2		3 NLD	1996	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	0			88	18	3	1	9	1	1	5	
851	E0492	89	2		3 NLD	1999	Hospitalized patient	Hosp_Surv	E. faecium		0	0	0	0	0	89	18	3	1	12	15	1	5
852	E0167	90	3		3 NLD	1996	Poultry	Animal_Poultry	E. faecium	Faeces	0	0			90	3	2	13	6	1	1	1	
853	E0318	91	2		4 USA	1994	Hospitalized patient	Clin_Isol	E. faecium	Peritoneal fluid	0	1	1	0	0	91	5	3	1	1	8	6	1
854	A1832	92	2		3 SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood					92	5	3	1	2	1	1	1	
855	E1050	92	2		3 NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	92	5	3	1	2	1	1	1
856	E1626	92	2		3 NLD	1965	Hospitalized patient	Clin_Isol	E. faecium	Peritoneal fluid	0	1			92	5	3	1	2	1	1	1	
857	RLA-4/TX2061	92	2		3 USA	1981-87	Hospitalized patient				1				92	5	3	1	2	1	1	1	
858	RLA-5/TX2062	92	2		3 USA	1981-87	Hospitalized patient				1				92	5	3	1	2	1	1	1	
859	RLA-7/TX2064	92	2		3 USA	1981-87	Hospitalized patient				1				92	5	3	1	2	1	1	1	
860	E1629	93	2		3 NLD	1981	River water	Environment	E. faecium	Environment	0	0	0	0	0	93	5	3	1	2	1	31	1
861	E1423	94	1		GBR	2000	Hospitalized patient	Clin_Isol	E. faecium		0	0	1	0	0	94	13	8	8	8	6	10	6
862	E0980	94	1		1 NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	1	0	0	94	13	8	8	8	6	10	6
863	E0986	94	1		1 NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0			94	13	8	8	8	6	10	6	
864	E1669	94	1		BRA		Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	0	1	0	0	94	13	8	8	8	6	10	6
865	E1670	94	1		BRA		Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	0	1	0	0	94	13	8	8	8	6	10	6
866	E1974	94	1		1 DEU	2001	Hospitalized patient		E. faecium	Pleura					94	13	8	8	8	6	10	6	
867	E1012	95	1		1 NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0			95	11	13	9	15	10	19	6	
868	E1031	96	1		1 NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0			96	13	16	8	16	11	19	6	
869	A1496	97	3		2 DEU	1995	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			97	4	5	1	3	1	20	1	
870	E1037	97	3		2 NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	97	4	5	1	3	1	20	1
871	E1695	97	3		2 BRA	1998	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	0	0	97	4	5	1	3	1	20	1
872	E1046	98	1		1 NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	1	0	0	98	19	13	9	17	10	9	6
873	E1172	99	2		1 POL		Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1	1	1	1	99	9	5	1	18	1	21	3
874	E1421	100	1		1 GBR	2000	Hospitalized patient	Clin_Isol	E. faecium		0	0	1	0	0	100	5	13	18	17	10	26	6
875	E2548	100	1		1 NLD	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			100	5	13	18	17	10	26	6	
876	E1485	101	2		1 ESP	2000	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	101	21	2	12	9	1	20	5
877	E1489	102	3		3 ESP	2000	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	102	2	4	1	9	1	1	10
878	E1493	103	3		3 ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1	1	1	1	103	1	14	1	21	1	1	1
879	E1736	103	3		3 ESP	2001	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			103	1	14	1	21	1	1	1	
880	E1622	104	3		1 NLD	1959	Mouse	Animal_Rodent	E. faecium	Faeces	0	0	0	0	0	104	3	3	17	2	1	1	1
881	A1594	104	3		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	0	0			104	3	3	17	2	1	1	1	
882	E1635	105	4		1 NLD		Test strain	Laboratory	E. faecium		0	0			105	4	4	19	25	14	7	5	

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
883	E1636	106	3	1	NLD	1961	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0	0	1	0	106	23	3	1	6	1	1	1
884	E1671	107	1		BRA		Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	0				107	11	13	18	17	10	19	6
885	E1672	108	1		BRA		Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	0				108	25	13	18	17	17	19	6
886	E1673	109	3	1	BRA		Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	1				109	3	3	6	6	1	1	1
887	E1674	110	2	3	BRA		Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	0	0	0	0	110	5	4	20	9	2	1	5
888	E1675	111	3	1	BRA		Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	1	0	0	0	111	2	3	6	2	1	1	1
889	E1676	112	2	3	BRA		Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	1				112	9	3	21	18	6	1	3
890	NEDH-87-P1/TX20	112	2	3	USA	1986	Hospitalized patient								112	9	3	21	18	6	1	3	
891	E1677	113	2	3	BRA		Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	0	0	0	0	113	26	3	1	2	1	1	1
892	E1679	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Catheter	1	0	0	1	1	114	5	3	21	18	6	32	3
893	E1680	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	1	0				114	5	3	21	18	6	32	3
894	E1681	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	0	0				114	5	3	21	18	6	32	3
895	E1682	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	1	0				114	5	3	21	18	6	32	3
896	E1683	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Tracheal secr.	0	0				114	5	3	21	18	6	32	3
897	E1684	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	0	0				114	5	3	21	18	6	32	3
898	E1686	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	0	1				114	5	3	21	18	6	32	3
899	E1687	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	0	1				114	5	3	21	18	6	32	3
900	E1688	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Blood	1	1				114	5	3	21	18	6	32	3
901	E1689	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	1	1				114	5	3	21	18	6	32	3
902	E1690	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	1	0				114	5	3	21	18	6	32	3
903	E1691	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Urine	1	1				114	5	3	21	18	6	32	3
904	E1692	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	1	1				114	5	3	21	18	6	32	3
905	E1693	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	1	0				114	5	3	21	18	6	32	3
906	E1694	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	1	0				114	5	3	21	18	6	32	3
907	E1698	114	2	3	BRA	1998	Hospitalized patient	Hospital outbreak BR-1	E. faecium	Faeces	0	1				114	5	3	21	18	6	32	3
908	E1696	115	2	1	BRA	1997	Hospitalized patient	Clin_Isol	E. faecium	nd	0	0				115	9	5	1	2	1	1	1
909	E1668	116	1		BRA		Hospitalized patient	Hosp_surv	E. faecium	Faeces	0	0				116	25	17	18	17	10	19	6
910	E1133	117	2	1	USA	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1	1	1	1	117	9	1	1	1	1	1	1
911	A0103	117	2	1	KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Pus, closed	1	1				117	9	1	1	1	1	1	1
912	A0868	117	2	1	DEU	1996	Hospitalized patient	Clin_Isol	E. faecium	wound	1	1				117	9	1	1	1	1	1	1
913	A1035	117	2	1	DEU	1996	Hospitalized patient	Clin_Isol	E. faecium	wound	1	1				117	9	1	1	1	1	1	1
914	A1036	117	2	1	DEU	1996	Hospitalized patient		E. faecium						117	9	1	1	1	1	1	1	1
915	A1037	117	2	1	DEU	1997	Hospitalized patient		E. faecium						117	9	1	1	1	1	1	1	1
916	A1038	117	2	1	DEU	1998	Hospitalized patient		E. faecium						117	9	1	1	1	1	1	1	1
917	A1039	117	2	1	DEU	1998	Hospitalized patient		E. faecium						117	9	1	1	1	1	1	1	1
918	A1040	117	2	1	DEU	1998	Hospitalized patient		E. faecium						117	9	1	1	1	1	1	1	1
919	A1041	117	2	1	DEU	1998	Hospitalized patient		E. faecium						117	9	1	1	1	1	1	1	1
920	A1508	117	2	1	DEU	1998	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				117	9	1	1	1	1	1	1
921	A1510	117	2	1	DEU	1998	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				117	9	1	1	1	1	1	1
922	A1511	117	2	1	DEU	1999	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				117	9	1	1	1	1	1	1
923	A1512	117	2	1	DEU	1999	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				117	9	1	1	1	1	1	1
924	A1513	117	2	1	DEU	1999	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				117	9	1	1	1	1	1	1
925	A1516	117	2	1	DEU	1999	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				117	9	1	1	1	1	1	1
926	A1529	117	2	1	DEU	2000	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				117	9	1	1	1	1	1	1
927	A1534	117	2	1	DEU	2001	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				117	9	1	1	1	1	1	1
928	A1589	117	2	1	DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				117	9	1	1	1	1	1	1
929	A1613	117	2	1	DEU	2007	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				117	9	1	1	1	1	1	1
930	A1614	117	2	1	DEU	2007	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				117	9	1	1	1	1	1	1
931	A1623	117	2	1	CHN	2006	Hospitalized patient		E. faecium						117	9	1	1	1	1	1	1	1
932	E1279	117	2	1	DEU		Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				117	9	1	1	1	1	1	1
933	E2011	117	2	1	DEU	2000	Hospitalized patient		E. faecium	Katheter						117	9	1	1	1	1	1	1
934	E2168	117	2	1	USA	2001	Environment	Environment_Hospital	E. faecium	B/P cuff	1					117	9	1	1	1	1	1	1
935	E2297	117	2	1	USA	2001	Hospitalized patient	Clin_Isol	E. faecium	Urine	1					117	9	1	1	1	1	1	1
936	E2633	117	2	1	NLD	2006	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				117	9	1	1	1	1	1	1
937	E3160	117	2	1	NLD	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				117	9	1	1	1	1	1	1
938	E3449	117	2	1	NLD	2006	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				117	9	1	1	1	1	1	1
939	E4084	117	2	1	NLD	2006	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				117	9	1	1	1	1	1	1
940	E1327	118	1		NLD	1998	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	1	0	0	118	24	13	8	8	2	22	6
941	A0026	119	3	3	ITA		Meat	Animal_Food	E. faecium	Food						119	2	18	13	6	1	1	1
942	A0027	120	2	4	ITA	1997	Poultry	Animal_Poultry	E. faecium	Faeces						120	9	2	1	6	1	33	1
943	A0033	121	2	1	ITA		Animal	Animal	E. faecium							121	15	1	1	2	1	1	1
944	E1775	121	2	1	BEL	2001	Pig	Animal_pig	E. faecium	Faeces	0	0				121	15	1	1	2	1	1	1
945	E4399	121	2	1	DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1				121	15	1	1	2	1	1	1

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk	
946	A0034	122	3	3	ITA		Animal	Animal	E. faecium						122	14	2	1	3	1	1	1	1	
947	E1141	123	2	1	NLD	1995	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0	0	1	0	123	5	5	1	3	1	1	1	
948	E1318	123	2	1	NLD	1998	Hospitalized patient	Clin_Isol	E. faecium		0	0			123	5	5	1	3	1	1	1	1	
949	E1882	123	2	1	NLD	1994	Pig	Animal_pig	E. faecium						123	5	5	1	3	1	1	1	1	
950	A0061	124	2	1	BEL		Poultry	Animal_Poultry	E. faecium						124	9	2	7	6	1	1	1	1	
951	E1169	124	2	1	ITA		Hospitalized patient	Clin_Isol	E. faecium	Wound	0	0			124	9	2	7	6	1	1	1	1	
952	E1173	125	3	1	PRT		Hospitalized patient	Clin_Isol	E. faecium	Wound	0	1			125	7	3	1	1	5	1	1	1	
953	E1722	125	3	1	TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			125	7	3	1	1	5	1	1	1	
954	E1182	126	2	3	BEL		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			126	9	10	1	11	1	14	13	1	
955	E1258	127	3	5	ESP		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			127	2	2	6	6	1	11	1	1	
956	E1260	128	3	1	ESP		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			128	3	3	1	14	1	1	1	1	
957	E4458	128	3	1	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces		1			128	3	3	1	14	1	1	1	1	
958	E1271	129	2	3	FRA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			129	18	3	1	2	1	1	13	1	
959	E1283	130	2	3	DEU		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			130	8	4	12	9	1	1	5	1	
960	E1286	131	3	3	DEU		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			131	2	18	12	3	1	1	1	1	
961	E1307	132	3	3	PRT		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1	1	0	1	132	7	1	1	1	12	1	1	1
962	E1728	132	3	3	TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1	1	1	1	132	7	1	1	1	12	1	1	1
963	E1304	132	3	3	PRT		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			132	7	1	1	1	12	1	1	1	
964	E1310	132	3	3	PRT		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			132	7	1	1	1	12	1	1	1	
965	E1725	132	3	3	TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			132	7	1	1	1	12	1	1	1	
966	E1726	132	3	3	TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			132	7	1	1	1	12	1	1	1	
967	E1729	132	3	3	TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			132	7	1	1	1	12	1	1	1	
968	E1730	132	3	3	TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			132	7	1	1	1	12	1	1	1	
969	A2187	133	2	1			Pig	Animal_Pig	E. faecium	Faeces					133	5	2	1	9	1	14	5	1	
970	A2196	133	2	1			Pig	Animal_Pig	E. faecium	Faeces					133	5	2	1	9	1	14	5	1	
971	E0677	133	2	1	NLD		Pig	Animal_Pig	E. faecium	Faeces	0	0			133	5	2	1	9	1	14	5	1	
972	E0681	133	2	1	DEU		Pig	Animal_Pig	E. faecium	Faeces	0	0			133	5	2	1	9	1	14	5	1	
973	E0689	133	2	1	ESP		Pig	Animal_Pig	E. faecium	Faeces	0	0			133	5	2	1	9	1	14	5	1	
974	E1337	133	2	1	NLD	2001	Hospitalized patient	Clin_Isol	E. faecium	Faeces	0	0			133	5	2	1	9	1	14	5	1	
975	E1537	133	2	1	NLD	2002	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0			133	5	2	1	9	1	14	5	1	
976	E1372	134	2	1	NLD	2001	Hospitalized patient	Clin_Isol	E. faecium	Pus	0	1			134	5	2	1	3	1	7	1	1	
977	E1276	135	2	3	DEU		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			135	27	3	1	2	1	1	1	1	
978	E1766	136	3	1	BEL	1996	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	136	2	3	1	26	1	1	1	1
979	E1769	136	3	1	BEL	1996	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0			136	2	3	1	26	1	1	1	1	
980	E0685	137	2	3	ESP		Pig	Animal_Pig	E. faecium	Faeces	0	0			137	5	3	1	9	1	1	5	1	
981	E0686	137	2	3	ESP		Pig	Animal_Pig	E. faecium	Faeces	0	0			137	5	3	1	9	1	1	5	1	
982	E1768	137	2	3	BEL	1996	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	137	5	3	1	9	1	1	5	1
983	E1772	138	3	3	BEL	2001	Pig	Animal_pig	E. faecium	Faeces	0	0			138	3	5	1	3	1	14	5	1	
984	E1777	139	3	3	BEL	2001	Pig	Animal_pig	E. faecium	Faeces	0	0			139	3	5	1	3	1	1	5	1	
985	E1779	140	3	3	BEL	2001	Pig	Animal_pig	E. faecium	carcasses	0	0			140	3	2	1	9	1	1	5	1	
986	E1781	141	2	1	BEL	2001	Pig	Animal_pig	E. faecium	carcasses	0	0	0	0	0	141	5	5	1	9	1	1	5	1
987	E1782	142	2	3	BEL	2001	Pig	Animal_pig	E. faecium	carcasses	0	0			142	5	4	12	6	1	1	8	1	
988	E1776	143	3	2	BEL	2001	Pig	Animal_pig	E. faecium	Faeces	0	0			143	29	2	12	6	1	1	1	1	
989	E1780	144	2	1	BEL	2001	Pig	Animal_pig	E. faecium	carcasses	0	0			144	28	2	1	12	2	34	5	1	
990	A0041	145	2	1	DEU		Hospitalized patient	Clin_Isol	E. faecium	Wound	0	1			145	5	1	1	1	1	1	8	1	
991	A0869	145	2	1	DEU	2002	Hospitalized patient	Clin_Isol	E. faecium	peritonitis	0	1			145	5	1	1	1	1	1	8	1	
992	E0027	146	3	3	GBR	1992	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0			146	3	2	6	6	1	1	1	1	
993	A0252	146	3	3	NOR	1999	Poultry	Animal_Poultry	E. faecium	Faeces					146	3	2	6	6	1	1	1	1	
994	E0060	147	2	1	NLD	1996	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	147	5	2	1	9	1	2	5	1
995	E0675	148	2	1	ESP		Poultry	Animal_Poultry	E. faecium	Faeces	0	0			148	5	2	1	3	1	1	1	1	
996	E4464	148	2	1	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces		1			148	5	2	1	3	1	1	1	1	
997	A0065	149	3	2	BEL		Pig	Animal_pig	E. faecium						149	4	2	12	9	1	20	5	1	
998	A2191	149	3	2			Pig	Animal_Pig	E. faecium	Faeces					149	4	2	12	9	1	20	5	1	
999	E0678	149	3	2	BEL		Pig	Animal_Pig	E. faecium	Faeces	0	0			149	4	2	12	9	1	20	5	1	
1000	E0679	150	2	3	BEL		Pig	Animal_Pig	E. faecium	Faeces	0	0			150	5	4	12	9	1	1	5	1	
1001	E0680	151	2	1	DEU		Pig	Animal_Pig	E. faecium	Faeces	0	0			151	5	5	1	6	1	1	1	1	
1002	E0682	151	2	1	DEU		Pig	Animal_Pig	E. faecium	Faeces	0	0			151	5	5	1	6	1	1	1	1	
1003	E0683	152	1	1	ESP		Pig	Animal_Pig	E. faecium	Faeces	0	0			152	9	8	8	17	1	19	6	1	
1004	E0684	153	2	1	ESP		Pig	Animal_Pig	E. faecium	Faeces	0	0			153	21	5	12	3	1	20	1	1	
1005	E1131	154	2	1	USA	2001	Hospitalized patient	Clin_Isol	E. faecium	Bronchoscopy spe	0	1			154	9	2	1	1	1	1	1	1	
1006	E2190	154	2	1	USA	2001	Environment	Environment_Hospital	E. faecium	Vent	1				154	9	2	1	1	1	1	1	1	
1007	E0687	155	1	1	ESP		Pig	Animal_Pig	E. faecium	Faeces	0	0			155	25	13	23	17	10	35	13	1	
1008	E0696	156	2	1	GBR		Sewage	Environment	E. faecium	Faeces	0	0	0	0	0	156	5	2	12	9	1	1	5	1



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No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
1009	A0064	157	2		1 BEL		Poultry	Animal_Poultry	E. faecium						157	9	2	6	6	1	7	1	
1010	E0699	157	2		1 GBR		Hospitalized patient	Clin_Isol	E. faecium		0	1		0	157	9	2	6	6	1	7	1	
1011	E4427	157	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			157	9	2	6	6	1	7	1	
1012	E1575	158	2		1 BEL	1995	Poultry	Animal_Poultry	E. faecium	Faeces	0	0			158	9	2	6	6	1	36	1	
1013	E1576	159	3		1 ZAF	2001	Ostrich	Animal_Ostrich	E. faecium	Faeces	0	0	0	0	159	30	3	1	2	1	1	1	
1014	E2068	159	3		1 DNK	2001	Pig	Animal_pig	E. faecium			0			159	30	3	1	2	1	1	1	
1015	A1354	160	3		2				E. faecium						160	4	3	1	27	1	1	1	
1016	A2217	160	3		2				E. faecium	Faeces					160	4	3	1	27	1	1	1	
1017	E1578	160	3		2 DEU	2001	Mini pig	Animal_Pig	E. faecium	Faeces	0	0			160	4	3	1	27	1	1	1	
1018	E4183	160	3		2				E. faecium						160	4	3	1	27	1	1	1	
1019	E1583	161	3		3 BEL	2001	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	1	0	0	161	3	2	1	11	1	14	6
1020	E1585	162	3		3 DEU	2001	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	1			162	7	2	6	6	5	1	1	
1021	E1590	163	1		IRL	2001	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0	0	0	0	163	5	13	9	15	8	37	6
1022	A0159	163	1		BRA				E. faecium						163	5	13	9	15	8	37	6	
1023	A0171	163	1		BRA		Pig	Animal_pig	E. faecium	Faeces					163	5	13	9	15	8	37	6	
1024	E1685	164	4		BRA	1998	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0				164	27	18	22	28	16	33	13	
1025	A1160	165	2		3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	0	1			165	15	3	1	14	1	1	1	
1026	E0721	165	2		3 NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0			165	15	3	1	14	1	1	1	
1027	E0782	166	2		1 NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			166	15	1	6	6	18	1	1	
1028	E0836	167	2		1 NLD	2000	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			167	5	1	1	1	1	7	1	
1029	A1132	168	3		3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Bile	1	1			168	14	5	1	1	1	1	1	
1030	A1834	168	3		3 SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood					168	14	5	1	1	1	1	1	
1031	E1720	168	3		3 DNK		Hospitalized patient	Hosp_Surv	E. faecium	nd	0	1			168	14	5	1	1	1	1	1	
1032	E4454	168	3		3 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces		1			168	14	5	1	1	1	1	1	
1033	E4459	168	3		3 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces		1			168	14	5	1	1	1	1	1	
1034	E1721	169	3		1 TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0	1	1	1	169	7	3	1	5	5	1	3
1035	E1724	170	2		3 TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			170	9	3	1	5	1	1	3	
1036	E1727	171	2		3 TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			171	9	3	1	28	5	1	3	
1037	E1759	172	1		FRA	1985	Environment	Environment	E. faecium		0	0	1	0	0	172	25	13	18	15	10	29	6
1038	A0261	172	1		FRA				E. faecium			0			172	25	13	18	15	10	29	6	
1039	E2059	172	1		FRA	1994	Hospitalized patient	Clin_Isol	E. faecium						172	25	13	18	15	10	29	6	
1040	E1760	173	3		3 AUS	2000	Hospitalized patient	Hospital outbreak Australia-2	E. faecium	nd	0	1	1	0	1	173	7	1	1	29	12	1	1
1041	E1761	173	3		3 AUS	2000	Hospitalized patient	Hospital outbreak Australia-2	E. faecium	nd	0	1			173	7	1	1	29	12	1	1	
1042	E1762	174	3		3 AUS	2000	Hospitalized patient	Hosp_Surv	E. faecium	nd	1	1	1	1	1	174	1	1	1	29	1	1	1
1043	E0691	175	2		1 ESP		Pig	Animal_Pig	E. faecium	Faeces	0	0			175	5	5	12	6	1	1	1	
1044	E0695	176	2		1 GBR		Sewage	Environment	E. faecium	Faeces	0	0	0	0	0	176	9	2	6	3	1	1	1
1045	E0701	177	2		1 GBR		Laboratory	Laboratory	E. faecium		0	1			177	15	2	6	6	1	1	1	
1046	A0243	178	1		1 NLD				E. faecium						178	13	8	8	8	6	27	6	
1047	A0244	178	1		1 NLD				E. faecium						178	13	8	8	8	6	27	6	
1048	E1733	178	1		1 TZA		Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			178	13	8	8	8	6	27	6	
1049	A0042	179	1		1 ITA				E. faecium						179	25	8	10	17	1	19	11	
1050	A0043	180	3		3 ITA				E. faecium						180	1	1	1	1	1	38	1	
1051	A0044	181	3		5 BEL		Hospitalized patient	Clin_Isol	E. faecium						181	1	1	1	1	1	33	1	
1052	A0045	182	3		5 BEL		Hospitalized patient	Clin_Isol	E. faecium						182	1	1	1	1	1	19	1	
1053	A0046	183	3		4 BEL		Non-hospitalized person	Comm_Surv	E. faecium						183	4	5	9	3	1	20	1	
1054	A0047	184	2		1 BEL		Pig	Animal_Pig	E. faecium						184	5	2	1	3	1	1	5	
1055	A2194	184	2		1		Pig	Animal_Pig	E. faecium	Faeces					184	5	2	1	3	1	1	5	
1056	A2199	184	2		1		Pig	Animal_Pig	E. faecium	Faeces					184	5	2	1	3	1	1	5	
1057	A0049	185	2		1 BEL		Hospitalized patient	Clin_Isol	E. faecium						185	5	2	1	9	1	20	5	
1058	A0050	186	3		3 BEL		Hospitalized patient	Clin_Isol	E. faecium						186	7	2	1	1	5	1	1	
1059	E1987	186	3		3 DEU	2000	Hospitalized patient		E. faecium	WA					186	7	2	1	1	5	1	1	
1060	E4156	186	3		3 GBR	1998	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			186	7	2	1	1	5	1	1	
1061	U0050	186	3		3 NLD	2002	Hospitalized patient	Clin_Isol	E. faecium	Drain fluid	1	1			186	7	2	1	1	5	1	1	
1062	U0141	186	3		3 NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			186	7	2	1	1	5	1	1	
1063	U0142	186	3		3 NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			186	7	2	1	1	5	1	1	
1064	A0048	187	3		3 BEL		Pig	Animal_pig	E. faecium						187	31	1	1	1	1	1	1	
1065	A0051	188	2		3 ITA				E. faecium						188	32	3	1	6	1	1	1	
1066	A0052	189	3		3 ITA				E. faecium						189	3	2	1	9	1	20	5	
1067	A1044	189	3		3 DEU	1992	Hospitalized patient		E. faecium						189	3	2	1	9	1	20	5	
1068	A0053	190	2		3 ITA				E. faecium						190	5	3	6	6	2	20	1	
1069	A0054	191	3		3 ITA				E. faecium						191	2	2	1	6	1	7	1	
1070	A0055	192	2		1 ITA				E. faecium						192	15	1	1	1	1	7	1	
1071	A0088	192	2		1 KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood,peripheral	1				192	15	1	1	1	1	7	1	

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
1072	A0092	192	2		1 KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Urine, catheterize	1				192	15	1	1	1	1	7	1	
1073	A0093	192	2		1 KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood,central line	1				192	15	1	1	1	1	7	1	
1074	A0094	192	2		1 KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Urine, catheterize	1				192	15	1	1	1	1	7	1	
1075	A0095	192	2		1 KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Urine, voided	1				192	15	1	1	1	1	7	1	
1076	A0096	192	2		1 KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Urine, catheterize	1				192	15	1	1	1	1	7	1	
1077	A0112	192	2		1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine, voided	1				192	15	1	1	1	1	7	1	
1078	A0114	192	2		1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Tissue	1				192	15	1	1	1	1	7	1	
1079	A0118	192	2		1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Gastric aspirate	1				192	15	1	1	1	1	7	1	
1080	A0122	192	2		1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Pus, open	1				192	15	1	1	1	1	7	1	
1081	A0145	192	2		1 KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1				192	15	1	1	1	1	7	1	
1082	A0146	192	2		1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Blood,central line	1				192	15	1	1	1	1	7	1	
1083	A0750	192	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			192	15	1	1	1	1	7	1	
1084	A0756	192	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			192	15	1	1	1	1	7	1	
1085	A0759	192	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			192	15	1	1	1	1	7	1	
1086	A0760	192	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			192	15	1	1	1	1	7	1	
1087	A0761	192	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			192	15	1	1	1	1	7	1	
1088	A0762	192	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			192	15	1	1	1	1	7	1	
1089	A0763	192	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			192	15	1	1	1	1	7	1	
1090	A0767	192	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			192	15	1	1	1	1	7	1	
1091	A0770	192	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			192	15	1	1	1	1	7	1	
1092	A0870	192	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	urine	1	1			192	15	1	1	1	1	7	1	
1093	A0871	192	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1094	A0872	192	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1095	A0873	192	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	throat swab	1	1			192	15	1	1	1	1	7	1	
1096	A0880	192	2		1 DEU	2004	Hospitalized patient	Hosp_Surv	E. faecium	stool	1	1			192	15	1	1	1	1	7	1	
1097	A1021	192	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1098	A1506	192	2		1 DEU	1998	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			192	15	1	1	1	1	7	1	
1099	A1549	192	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1100	A1550	192	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1101	A1567	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1102	A1571	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1103	A1574	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1104	A1575	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1105	A1576	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1106	A1577	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1107	A1578	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1108	A1581	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1109	A1582	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1110	A1583	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1111	A1586	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1112	A1588	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1113	A1592	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			192	15	1	1	1	1	7	1	
1114	A1595	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1115	A1597	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1116	A1599	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1117	A1601	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1118	A1602	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1119	A1606	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1120	A1607	192	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1121	A1608	192	2		1 DEU	2007	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1122	A1612	192	2		1 DEU	2007	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			192	15	1	1	1	1	7	1	
1123	A1822	192	2		1 SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood	1				192	15	1	1	1	1	7	1	
1124	A1824	192	2		1 SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood	1				192	15	1	1	1	1	7	1	
1125	A1825	192	2		1 SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood	1				192	15	1	1	1	1	7	1	
1126	E4388	192	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			192	15	1	1	1	1	7	1	
1127	E4390	192	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			192	15	1	1	1	1	7	1	
1128	E4406	192	2		1 DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			192	15	1	1	1	1	7	1	
1129	E4410	192	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			192	15	1	1	1	1	7	1	
1130	E4421	192	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			192	15	1	1	1	1	7	1	
1131	E4429	192	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			192	15	1	1	1	1	7	1	
1132	E4442	192	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			192	15	1	1	1	1	7	1	
1133	E4449	192	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			192	15	1	1	1	1	7	1	
1134	E4453	192	2		1 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1				192	15	1	1	1	1	7	1	

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Ack
1135	E4462	192	2		1 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces		1			192	15	1	1	1	1	7	1	
1136	A0056	193	2		1 ITA				E. faecium						193	5	2	1	6	2	36	1	
1137	A0057	194	2		1 BEL		Poultry	Animal_poultry	E. faecium						194	5	2	7	6	1	7	1	
1138	A0247	194	2		1 NOR	1999	Poultry farmer	Comm_Surv	E. faecium	Faeces					194	5	2	7	6	1	7	1	
1139	A2210	194	2		1			Animal_Poultry	E. faecium	Faeces					194	5	2	7	6	1	7	1	
1140	A0058	195	2		1 BEL		Poultry	Animal_Poultry	E. faecium						195	9	2	1	6	1	7	1	
1141	A0248	195	2		1 NOR	1999	Poultry farmer	Comm_Surv	E. faecium	Faeces					195	9	2	1	6	1	7	1	
1142	A0251	195	2		1 NOR	1998	Poultry	Animal_Poultry	E. faecium	Faeces					195	9	2	1	6	1	7	1	
1143	A2208	195	2		1		Poultry	Animal_Poultry	E. faecium	Faeces					195	9	2	1	6	1	7	1	
1144	A0059	196	2		1 BEL		Poultry	Animal_Poultry	E. faecium						196	5	2	6	6	1	36	1	
1145	A1751	196	2		1 USA	2005			E. faecium						196	5	2	6	6	1	36	1	
1146	A0062	197	2		1 BEL		Poultry	Animal_Poultry	E. faecium						197	5	2	24	14	1	39	1	
1147	A0063	198	2		1 BEL		Poultry	Animal_Poultry	E. faecium						198	16	2	6	6	2	7	1	
1148	A0066	199	3		5 BEL		Poultry	Animal_Poultry	E. faecium						199	2	2	1	30	1	11	1	
1149	A0067	200	2		4 BEL		Poultry	Animal_Poultry	E. faecium						200	9	2	1	3	1	33	1	
1150	A0068	201	2		1 ITA				E. faecium						201	15	1	1	1	1	21	1	
1151	A0069	202	3		3 ITA				E. faecium						202	1	1	1	1	1	7	1	
1152	A1121	202	3		3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	1	1			202	1	1	1	1	1	7	1	
1153	A1134	202	3		3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	1	1			202	1	1	1	1	1	7	1	
1154	A1135	202	3		3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	1	1			202	1	1	1	1	1	7	1	
1155	A1142	202	3		3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	0	1			202	1	1	1	1	1	7	1	
1156	A1143	202	3		3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Broncoaspirate	1	1			202	1	1	1	1	1	7	1	
1157	A1147	202	3		3 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Bile	1	1			202	1	1	1	1	1	7	1	
1158	A1495	202	3		3 DEU	1995	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			202	1	1	1	1	1	7	1	
1159	A1503	202	3		3 DEU	1997	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			202	1	1	1	1	1	7	1	
1160	A1504	202	3		3 DEU	1997	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			202	1	1	1	1	1	7	1	
1161	A1505	202	3		3 DEU	1997	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			202	1	1	1	1	1	7	1	
1162	A1564	202	3		3 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			202	1	1	1	1	1	7	1	
1163	A1570	202	3		3 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			202	1	1	1	1	1	7	1	
1164	A1615	202	3		3 DEU	2007	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			202	1	1	1	1	1	7	1	
1165	A2059	202	3		3 RUS	2004	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1			202	1	1	1	1	1	7	1	
1166	A2060	202	3		3 RUS	2004	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1			202	1	1	1	1	1	7	1	
1167	A2061	202	3		3 RUS	2004	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1			202	1	1	1	1	1	7	1	
1168	A2062	202	3		3 RUS	2004	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1			202	1	1	1	1	1	7	1	
1169	A2063	202	3		3 RUS	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			202	1	1	1	1	1	7	1	
1170	A2064	202	3		3 RUS	2005	Hospitalized patient	Clin_Isol	E. faecium	Throat	1	1			202	1	1	1	1	1	7	1	
1171	A2065	202	3		3 RUS	2005	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			202	1	1	1	1	1	7	1	
1172	A2066	202	3		3 RUS	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			202	1	1	1	1	1	7	1	
1173	A2067	202	3		3 RUS	2005	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			202	1	1	1	1	1	7	1	
1174	A2068	202	3		3 RUS	2006	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			202	1	1	1	1	1	7	1	
1175	A2069	202	3		3 RUS	2006	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			202	1	1	1	1	1	7	1	
1176	E1998	202	3		3 DEU	2000	Hospitalized patient		E. faecium	K-Urin					202	1	1	1	1	1	7	1	
1177	E2037	202	3		3 DEU	2000	Hospitalized patient		E. faecium	WA					202	1	1	1	1	1	7	1	
1178	A0072	203	2		1 KOR	1998	Hospitalized patient	Clin_Isol	E. faecium	Pus	1				203	15	1	1	1	1	20	1	
1179	A0074	203	2		1 KOR	1998	Hospitalized patient	Clin_Isol	E. faecium	Others	1				203	15	1	1	1	1	20	1	
1180	A0077	203	2		1 KOR	1999	Hospitalized patient	Clin_Isol	E. faecium	Sputum	1				203	15	1	1	1	1	20	1	
1181	A0078	203	2		1 KOR	1999	Hospitalized patient	Clin_Isol	E. faecium	Others	1				203	15	1	1	1	1	20	1	
1182	A0082	203	2		1 KOR	1999	Hospitalized patient		E. faecium		1				203	15	1	1	1	1	20	1	
1183	A0086	203	2		1 KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Others	1				203	15	1	1	1	1	20	1	
1184	A0102	203	2		1 KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood,central line	1				203	15	1	1	1	1	20	1	
1185	A0141	203	2		1 KOR	2000	Hospitalized patient	Clin_Isol	E. faecium	CSF	1				203	15	1	1	1	1	20	1	
1186	A0142	203	2		1 KOR	2003	Hospitalized patient	Hosp_Surv	E. faecium	Rectal swab	1				203	15	1	1	1	1	20	1	
1187	A0173	203	2		1 DEU	2004	Hospitalized patient	Hosp_Surv	E. faecium	Perianal swab	1	1			203	15	1	1	1	1	20	1	
1188	A0175	203	2		1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine	1				203	15	1	1	1	1	20	1	
1189	A0751	203	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			203	15	1	1	1	1	20	1	
1190	A0765	203	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			203	15	1	1	1	1	20	1	
1191	A0766	203	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			203	15	1	1	1	1	20	1	
1192	A0769	203	2		1 KOR	2004	Hospitalized patient		E. faecium		1	1			203	15	1	1	1	1	20	1	
1193	A0874	203	2		1 DEU	2004	Hospitalized patient	Hosp_Surv	E. faecium	stool	1	1			203	15	1	1	1	1	20	1	
1194	A0875	203	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	urine	1	1			203	15	1	1	1	1	20	1	
1195	A0876	203	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	urine	1	1			203	15	1	1	1	1	20	1	
1196	A0877	203	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	tracheal secret.	1	1			203	15	1	1	1	1	20	1	
1197	A0878	203	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	tracheal secret.	1	1			203	15	1	1	1	1	20	1	

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Ack	
1198	A0879	203	2		1 DEU	2005	Hospitalized patient	Clin_Isol	E. faecium	catheter urine	1	1				203	15	1	1	1	1	20	1	
1199	A1017	203	2		1 DEU	2004	Hospitalized patient	Hosp_Surv	E. faecium	Perianal swab	1	1				203	15	1	1	1	1	20	1	
1200	A1020	203	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	tracheal secret.	1	1				203	15	1	1	1	1	20	1	
1201	A1022	203	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	urine	1	1				203	15	1	1	1	1	20	1	
1202	A1023	203	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	tracheal secret.	1	1				203	15	1	1	1	1	20	1	
1203	A1025	203	2		1 DEU	2005	Hospitalized patient	Clin_Isol	E. faecium	catheter urine	1	1				203	15	1	1	1	1	20	1	
1204	A1027	203	2		1 DEU	2005	Hospitalized patient		E. faecium						203	15	1	1	1	1	1	20	1	
1205	A1028	203	2		1 DEU	2005	Hospitalized patient		E. faecium						203	15	1	1	1	1	1	20	1	
1206	A1033	203	2		1 DEU	2005	Hospitalized patient		E. faecium						203	15	1	1	1	1	1	20	1	
1207	A1381	203	2		1 CHN	2005	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1				203	15	1	1	1	1	20	1	
1208	A1383	203	2		1 CHN	2005	Hospitalized patient	Clin_Isol	E. faecium	Sputum	1	1				203	15	1	1	1	1	20	1	
1209	A1384	203	2		1 CHN	2005	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1				203	15	1	1	1	1	20	1	
1210	A1544	203	2		1 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				203	15	1	1	1	1	20	1	
1211	A1558	203	2		1 DEU	2005	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				203	15	1	1	1	1	20	1	
1212	A1584	203	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				203	15	1	1	1	1	20	1	
1213	A1603	203	2		1 DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				203	15	1	1	1	1	20	1	
1214	A1618	203	2		1 CHN	2007	Hospitalized patient		E. faecium						203	15	1	1	1	1	1	20	1	
1215	A1622	203	2		1 CHN	2006	Hospitalized patient		E. faecium						203	15	1	1	1	1	1	20	1	
1216	A1625	203	2		1 CHN	2007	Hospitalized patient		E. faecium						203	15	1	1	1	1	1	20	1	
1217	A1626	203	2		1 CHN	2007	Hospitalized patient		E. faecium						203	15	1	1	1	1	1	20	1	
1218	A1627	203	2		1 CHN	2007	Hospitalized patient		E. faecium						203	15	1	1	1	1	1	20	1	
1219	A1733	203	2		1 JPN	2006	Hospitalized patient	Clin_Isol	E. faecium	Bile						203	15	1	1	1	1	20	1	
1220	A1734	203	2		1 JPN	2006	Hospitalized patient	Clin_Isol	E. faecium	Wound						203	15	1	1	1	1	20	1	
1221	A1774	203	2		1 AUS	2008	Hospitalized patient	Clin_Isol	E. faecium	Urine		1				203	15	1	1	1	1	20	1	
1222	E4567	203	2		1 NLD		Non-hospitalized person	Comm_Surv	E. faecium	Faeces		1				203	15	1	1	1	1	20	1	
1223	A0075	204	2		1 KOR	1998	Hospitalized patient	Clin_Isol	E. faecium	Others	1					204	15	1	6	1	1	1	1	
1224	A0081	204	2		1 KOR	1999	Hospitalized patient	Clin_Isol	E. faecium	Pus	1					204	15	1	6	1	1	1	1	
1225	A0177	204	2		1 KOR	2000	Hospitalized patient	Clin_Isol	E. faecium							204	15	1	6	1	1	1	1	
1226	A1385	204	2		1 CHN	2006	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				204	15	1	6	1	1	1	1	
1227	A1390	204	2		1 CHN	2007	Hospitalized patient	Clin_Isol	E. faecium	Drain	1	1				204	15	1	6	1	1	1	1	
1228	A1395	204	2		1 CHN	2007	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				204	15	1	6	1	1	1	1	
1229	A0080	205	3		3 KOR	1999	Hospitalized patient	Clin_Isol	E. faecium	Others	1					205	3	1	1	1	1	1	1	
1230	A0186	205	3		3 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine	1					205	3	1	1	1	1	1	1	
1231	A0104	206	3		1 KOR	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood,peripheral	1					206	1	3	1	1	1	1	7	
1232	A0138	207	3		3 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Bile	1					207	3	1	1	1	1	1	20	1
1233	A0150	208	3		3 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	Punctate drainage	1	1				208	33	2	1	1	1	1	1	
1234	A0155	209	3		3 ITA	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				209	37	1	1	1	1	1	1	
1235	E1904	210	2		3 NLD	2001	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	1				210	9	3	1	1	1	1	3	
1236	A0160	211	1		BRA		Non-hospitalized person		E. faecium							211	5	13	18	17	17	19	6	
1237	A0161	212	2		3 BRA		Non-hospitalized person	Comm_Surv	E. faecium							212	15	7	5	7	1	1	1	
1238	A0162	213	1		BRA		Non-hospitalized person	Comm_Surv	E. faecium							213	13	8	8	8	6	27	11	
1239	A0166	213	1		BRA		Non-hospitalized person	Comm_Surv	E. faecium							213	13	8	8	8	6	27	11	
1240	A0163	214	3		1 BRA		Non-hospitalized person	Comm_Surv	E. faecium							214	2	3	2	2	1	1	1	
1241	A0164	215	3		3 BRA		Non-hospitalized person	Comm_Surv	E. faecium							215	3	7	3	6	1	1	1	
1242	A0165	216	2		3 BRA		Non-hospitalized person	Comm_Surv	E. faecium							216	15	4	12	6	1	1	5	
1243	A0167	217	2		1 BRA		Pig	Animal_pig	E. faecium	Faeces						217	21	2	12	9	1	1	5	
1244	A0168	218	1		BRA		Pig	Animal_pig	E. faecium	Faeces						218	13	8	8	23	6	10	11	
1245	A0169	219	2		4 BRA		Pig	Animal_pig	E. faecium	Faeces						219	25	3	1	2	10	10	1	
1246	A0151	220	2		3 BRA				E. faecium							220	35	3	25	2	1	1	1	
1247	A0152	221	1		BRA		Pig	Animal_pig	E. faecium	Faeces						221	5	13	26	7	10	6	6	
1248	A0153	222	1		BRA		Pig	Animal_pig	E. faecium	Faeces						222	36	8	10	8	20	9	6	
1249	A0154	223	1		BRA		Pig	Animal_pig	E. faecium	Faeces						223	10	20	9	17	17	19	6	
1250	A0156	224	1		BRA				E. faecium							224	36	13	18	17	10	41	14	
1251	A0157	225	1		BRA				E. faecium							225	13	21	8	17	10	27	6	
1252	A0170	226	1		BRA		Pig	Animal_pig	E. faecium	Faeces						226	5	13	26	17	10	26	6	
1253	E1849	227	2		1 ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces		1				227	35	1	1	1	5	1	1	
1254	E1851	228	3		5 ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces		0				228	34	2	25	6	1	11	1	
1255	A0172	229	1		BRA		Pig	Animal_pig	E. faecium	Faeces						229	11	8	10	8	20	9	6	
1256	A0176	230	2		1 KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine	1					230	15	1	1	1	12	1	1	
1257	A0178	231	2		1 KOR	2000	Poultry	Animal_poultry	E. faecium	Faeces	1					231	15	1	24	6	1	1	1	
1258	A0179	232	2		1 KOR	2000	Poultry	Animal_poultry	E. faecium	Faeces	1					232	15	2	24	6	1	1	1	
1259	A0180	233	3		3 KOR	2000	Hospitalized patient	Clin_Isol	E. faecium		1					233	1	1	1	1	1	20	1	
1260	A0188	233	3		3 DEU	2001	Hospitalized patient	Hosp_Surv	E. faecium							233	1	1	1	1	1	20	1	

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Ack
1261	A0181	234	3	3	KOR	2000	Hospitalized patient	Clin_Isol	E. faecium		1				234	1	1	6	1	1	1	1	1
1262	A0182	235	2	1	KOR	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine	1				235	9	1	1	1	1	1	1	7
1263	A0184	236	2	1	KOR	2000	Poultry	Animal_poultry	E. faecium	Faeces	1				236	9	2	6	6	1	1	1	1
1264	A1657	236	2	1	PRT	1999	Poultry	Animal_Poultry	E. faecium	Carcass	0	0			236	9	2	6	6	1	1	1	1
1265	A1743	236	2	1	USA	2005			E. faecium						236	9	2	6	6	1	1	1	1
1266	A0185	237	2	1	KOR	2000	Poultry	Animal_poultry	E. faecium	Faeces	1				237	5	2	24	14	1	7	1	1
1267	A0187	238	3	3	KOR	2000	Poultry	Animal_poultry	E. faecium	Faeces	1				238	2	2	6	6	1	7	1	1
1268	A0241	239	1		NLD				E. faecium						239	36	13	18	17	10	41	6	6
1269	A0242	239	1		NLD				E. faecium						239	36	13	18	17	10	41	6	6
1270	A0245	240	1		NLD				E. faecium						240	25	13	9	33	10	19	6	6
1271	A0249	241	2	1	NOR	1999	Poultry	Animal_Poultry	E. faecium	Faeces					241	9	2	13	6	1	7	1	1
1272	A0254	241	2	1	NOR	1998	Poultry	Animal_Poultry	E. faecium	Faeces					241	9	2	13	6	1	7	1	1
1273	A0250	242	2	1	NOR	1998	Poultry farmer	Comm_Surv	E. faecium	Faeces					242	9	2	7	6	1	16	1	1
1274	A0259	242	2	1	NOR	1998	Poultry	Animal_Poultry	E. faecium	Faeces					242	9	2	7	6	1	16	1	1
1275	A0253	243	2	1	NOR	1999	Poultry farmer	Comm_Surv	E. faecium	Faeces					243	9	2	7	6	7	1	1	1
1276	A0255	244	2	3	NOR	1999	Poultry	Animal_Poultry	E. faecium	Faeces					244	5	3	1	32	1	7	1	1
1277	A0256	245	2	1	NOR	1999	Poultry	Animal_Poultry	E. faecium	Faeces					245	9	2	1	6	1	36	1	1
1278	A0257	246	2	1	NOR	1999	Poultry farmer	Comm_Surv	E. faecium	Faeces					246	9	2	1	6	1	20	1	1
1279	A0258	247	2	3	NOR	1999	Poultry farmer	Comm_Surv	E. faecium	Faeces					247	38	4	12	9	2	1	15	1
1280	A0260	248	2	1	NOR	1999	Poultry	Animal_Poultry	E. faecium	Faeces					248	5	2	13	6	1	7	1	1
1281	A0262	249	2	1	ITA		Hospitalized patient		E. faecium						249	15	1	27	1	1	1	1	1
1282	A1107	249	2	1	ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Bile	1	1			249	15	1	27	1	1	1	1	1
1283	A1113	249	2	1	ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Bronchoalveolar lav	1	1			249	15	1	27	1	1	1	1	1
1284	A1128	249	2	1	ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	1	1			249	15	1	27	1	1	1	1	1
1285	A1136	249	2	1	ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Urine	1	1			249	15	1	27	1	1	1	1	1
1286	A0264	250	3	3	KOR	2000	Poultry	Animal_Poultry	E. faecium	Faeces	1				250	3	2	7	34	1	1	1	1
1287	A0265	251	2	1	KOR	2000	Poultry	Animal_poultry	E. faecium	Faeces	1				251	9	2	1	34	1	1	1	1
1288	A0295	252	3	3	ITA				E. faecium						252	1	5	1	1	1	1	1	1
1289	A1165	252	3	3	ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	1	1			252	1	5	1	1	1	1	1	1
1290	A1498	252	3	3	DEU	1995	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1			252	1	5	1	1	1	1	1	1
1291	A1551	252	3	3	DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1			252	1	5	1	1	1	1	1	1
1292	E1908	253	3	3	NLD	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			253	3	7	3	35	1	1	1	1
1293	E2064	254	2	1	DNK	2001	Pig	Animal_pig	E. faecium		0				254	39	2	12	9	1	20	5	5
1294	E2077	255	3	2	DNK	2001	Pig	Animal_pig	E. faecium		0				255	4	2	1	9	1	20	5	5
1295	E2078	256	2	1	DNK	2001	Pig	Animal_pig	E. faecium		0				256	28	2	12	9	2	20	5	5
1296	E2070	257	3	1	DNK	2001	Pig	Animal_pig	E. faecium		0				257	3	3	1	2	1	1	16	1
1297	E2090	257	3	1	DNK	2001	Pig	Animal_pig	E. faecium		0				257	3	3	1	2	1	1	16	1
1298	E2101	258	3	5	DNK	2001	Poultry	Animal_Poultry	E. faecium		0				258	2	23	1	6	1	42	1	1
1299	E2103	258	3	5	DNK	2001	Poultry	Animal_Poultry	E. faecium		0				258	2	23	1	6	1	42	1	1
1300	E2135	259	2	1	NLD	2004	Poultry	Animal_Poultry	E. faecium		1				259	5	2	24	6	1	16	1	1
1301	U0086	260	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			260	7	1	1	1	12	7	1	1
1302	U0098	261	2	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			261	5	12	1	1	1	7	1	1
1303	A2073	262	3	3	RUS	2006	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			262	7	1	1	1	5	7	1	1
1304	A2074	262	3	3	RUS	2006	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1	1			262	7	1	1	1	5	7	1	1
1305	U0119	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1306	U0122	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1307	U0134	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1308	U0135	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1309	U0137	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1310	U0146	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1311	U0152	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1312	U0157	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1313	U0160	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1314	U0163	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1315	U0167	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1316	U0173	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1317	U0237	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1318	U0238	262	3	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			262	7	1	1	1	5	7	1	1
1319	U0158	263	3	1	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			263	2	3	1	6	1	1	1	1
1320	E4593	264	2	3	NLD	2009	Cat	Animal_Cat	E. faecium	Faeces	0	1			264	5	4	6	6	2	1	8	1
1321	U0172	264	2	3	NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1			264	5	4	6	6	2	1	8	1
1322	U0196	265	2	3	NLD	2004	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	1			265	9	4	1	6	21	20	5	5
1323	E4404	266	2	1	DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			266	15	1	6	6	1	7	1	1

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Ack
1324	E4411	266	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1325	E4417	266	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1326	E4425	266	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1327	E4432	266	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1328	E4435	266	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1329	E4436	266	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1330	E4439	266	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1331	E4446	266	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1332	E4447	266	2		1 GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1333	E4452	266	2		1 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				266	15	1	6	6	1	7	1
1334	E4460	266	2		1 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				266	15	1	6	6	1	7	1
1335	E4467	266	2		1 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				266	15	1	6	6	1	7	1
1336	E4474	266	2		1 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				266	15	1	6	6	1	7	1
1337	E4535	266	2		1 NLD		Non-hospitalized person	Comm_Surv	E. faecium	Faeces	1	1				266	15	1	6	6	1	7	1
1338	E4538	266	2		1 NLD		Non-hospitalized person	Comm_Surv	E. faecium	Faeces	1	1				266	15	1	6	6	1	7	1
1339	E4544	266	2		1 NLD		Non-hospitalized person	Comm_Surv	E. faecium	Faeces	1	1				266	15	1	6	6	1	7	1
1340	E4564	266	2		1 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				266	15	1	6	6	1	7	1
1341	E4565	266	2		1 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				266	15	1	6	6	1	7	1
1342	E4568	266	2		1 NLD	2008	Cat	Animal_Cat	E. faecium	Faeces	1	1				266	15	1	6	6	1	7	1
1343	E4580	266	2		1 NLD	2009	Cat	Animal_Cat	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1344	E4581	266	2		1 NLD	2009	Cat	Animal_Cat	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1345	E4583	266	2		1 NLD	2009	Cat	Animal_Cat	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1346	E4590	266	2		1 NLD	2009	Cat	Animal_Cat	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1347	E4594	266	2		1 NLD	2009	Cat	Animal_Cat	E. faecium	Faeces	0	1				266	15	1	6	6	1	7	1
1348	U0024	266	2		1 NLD	2001	Hospitalized patient	Clin_Isol	E. faecium	Peritoneal fluid	0	1				266	15	1	6	6	1	7	1
1349	U0274	266	2		1 NLD	2004	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	1				266	15	1	6	6	1	7	1
1350	U0105	267	3		3 NLD	2004	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				267	1	1	1	1	5	1	1
1351	U0279	268	3		5 NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				268	2	1	1	1	1	11	1
1352	E2129	269	3		3 NLD	2004	Poultry	Animal_Poultry	E. faecium	Faeces	1	1				269	2	2	1	6	1	1	1
1353	E2104	270	3		3 NLD	2000	Poultry	Animal_Poultry	E. faecium	Faeces	1	1				270	2	2	24	6	1	1	1
1354	E2104	270	3		3 NLD	1999	Poultry	Animal_poultry	E. faecium	Faeces	1	1				270	2	2	24	6	1	1	1
1355	E2113	270	3		3 NLD	2000	Poultry	Animal_Poultry	E. faecium	Faeces	0	1				270	2	2	24	6	1	1	1
1356	A1536	271	3		2 DEU	2001	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				271	4	5	1	6	1	1	1
1357	E2001	271	3		2 DEU	2000	Hospitalized patient	Clin_Isol	E. faecium	Faeces	1	1				271	4	5	1	6	1	1	1
1358	E1999	272	3		4 DEU	2000	Hospitalized patient	E. faecium	Faeces	0	1				272	4	5	8	3	1	20	1	
1359	E3766	272	3		4 NLD	1994	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0				272	4	5	8	3	1	20	1
1360	E4178	272	3		4 FRA	2003	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	1				272	4	5	8	3	1	20	1
1361	E1921	273	3		1 NLD	2003	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				273	7	3	1	1	5	7	1
1362	E4451	274	3		1 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				274	7	3	1	1	1	7	1
1363	E4455	274	3		1 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				274	7	3	1	1	1	7	1
1364	E4465	274	3		1 NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1	1				274	7	3	1	1	1	7	1
1365	E4591	274	3		1 NLD	2009	Cat	Animal_Cat	E. faecium	Faeces	0	1				274	7	3	1	1	1	7	1
1366	U0281	274	3		1 NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				274	7	3	1	1	1	7	1
1367	U0168	275	3		3 NLD	2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	1				275	7	5	1	1	5	1	1
1368	E2003	276	3		3 DEU	2001	Hospitalized patient	E. faecium	Faeces	1	1				276	7	22	1	1	5	1	1	1
1369	E2004	276	3		3 DEU	2001	Hospitalized patient	E. faecium	WA	Faeces	1	1				276	7	22	1	1	5	1	1
1370	E2112	277	2		1 NLD	2000	Poultry	Animal_Poultry	E. faecium	Faeces	1	1				277	9	2	6	14	1	1	1
1371	A2188	278	2		1		Pig	Animal_Pig	E. faecium	Faeces	1	1				278	21	5	1	6	1	1	5
1372	A2190	278	2		1		Pig	Animal_Pig	E. faecium	Faeces	1	1				278	21	5	1	6	1	1	5
1373	E2127	278	2		1 NLD	2003	Pig	Animal_pig	E. faecium	Faeces	0	1				278	21	5	1	6	1	1	5
1374	A0712	279	3		3 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				279	1	5	1	1	1	7	1
1375	A0881	279	3		3 DEU	2004	Hospitalized patient	E. faecium	human	Faeces	1	1				279	1	5	1	1	1	7	1
1376	A1029	279	3		3 DEU	2004	Hospitalized patient	Hosp_Surv	E. faecium	stool	1	1				279	1	5	1	1	1	7	1
1377	A1545	279	3		3 DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				279	1	5	1	1	1	7	1
1378	A0713	280	3		1 SGP	2004	Hospitalized patient	Clin_isol	E. faecium	Blood	1	1				280	1	3	1	1	1	1	1
1379	A0714	280	3		1 SGP	2005	Hospitalized patient	Clin_Isol	E. faecium	Urine, vascular ca	1	1				280	1	3	1	1	1	1	1
1380	A1030	280	3		1 DEU	2005	Hospitalized patient	E. faecium	Faeces	1	1				280	1	3	1	1	1	1	1	1
1381	RLA-6/TX2063	280	3		1 USA	1981-87	Hospitalized patient				1	1				280	1	3	1	1	1	1	1
1382	A0158	281	2		3 BRA				E. faecium	Faeces	1	1				281	9	24	1	18	1	1	3
1383	A0715	282	3		3 DEU		Hospitalized patient	Clin_Isol	E. faecium	Peritoneal fluid	1	1				282	7	1	1	1	5	20	1
1384	A1031	282	3		3 DEU	2005	Hospitalized patient	E. faecium	Faeces	1	1				282	7	1	1	1	5	20	1	1
1385	A1554	282	3		3 DEU	2005	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				282	7	1	1	1	5	20	1
1386	A0716	283	2		3 DEU		Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1				283	15	25	1	1	1	20	1

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
1387	A1032	283	2		3 DEU	2005	Hospitalized patient		E. faecium						283	15	25	1	1	1	20	1	
1388	A0717	284	2		1 ITA				E. faecium						284	9	2	1	6	1	1	5	
1389	A1151	284	2		1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	0	1			284	9	2	1	6	1	1	5	
1390	A0718	285	1		1 ITA				E. faecium						285	25	8	8	23	10	10	11	
1391	A1149	285	1		1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Bile	0	0			285	25	8	8	23	10	10	11	
1392	A0719	286	3		2 ITA				E. faecium						286	40	4	12	9	1	1	5	
1393	A1146	286	3		2 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Bile	0	0			286	40	4	12	9	1	1	5	
1394	A0720	287	2		1 ITA				E. faecium						287	15	26	1	1	1	1	1	
1395	A1123	287	2		1 ITA	2005	Hospitalized patient	Hosp_surv	E. faecium	Skin swab	1	1			287	15	26	1	1	1	1	1	
1396	A1124	287	2		1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Bronchoalveolar lav	1	1			287	15	26	1	1	1	1	1	
1397	A1139	287	2		1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Bile	1	1			287	15	26	1	1	1	1	1	
1398	A0721	288	2		1 ITA				E. faecium						288	15	27	1	1	1	1	1	
1399	A1122	288	2		1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	1	1			288	15	27	1	1	1	1	1	
1400	A1125	288	2		1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Blood	1	1			288	15	27	1	1	1	1	1	
1401	A1140	288	2		1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Abscess drainage	1	1			288	15	27	1	1	1	1	1	
1402	A1141	288	2		1 ITA	2005	Hospitalized patient	Clin_isol	E. faecium	Abdominal drainage	1	1			288	15	27	1	1	1	1	1	
1403	E1861	289	1		1 ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0			289	13	8	8	8	6	40	6	
1404	E1863	289	1		1 ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0			289	13	8	8	8	6	40	6	
1405	A0753	290	3		3 KOR	2004	Hospitalized patient		E. faecium	Faeces	0	1			290	1	12	1	1	1	1	1	
1406	A0758	290	3		3 KOR	2004	Hospitalized patient		E. faecium	Faeces	0	1			290	1	12	1	1	1	1	1	
1407	E1857	291	3		1 ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0			291	3	19	1	2	1	1	1	
1408	E1856	292	3		1 ESP	2001	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0			292	3	3	1	31	1	1	1	
1409	E1878	293	2		3 NLD	2003	Dog	Animal_Dog	E. faecium	Cerumen					293	5	3	1	6	2	14	1	
1410	A0811	294	3		3 UK	1990	Hospitalized patient	Clin_Isol	E. faecium	Wound swab	1	1			294	2	1	1	1	1	1	1	
1411	A0882	294	3		3 DEU	2005	Hospitalized patient	Hosp_Surv	E. faecium	stool	0	1			294	2	1	1	1	1	1	1	
1412	E4153	294	3		3 GBR	1997	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			294	2	1	1	1	1	1	1	
1413	U0216	295	3		3 NLD	1997	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			295	1	1	1	1	1	1	6	
1414	E2039	296	1		1 DEU	2000	Hospitalized patient		E. faecium	K-Spitze					296	25	8	8	8	10	10	6	
1415	E2363	296	1		1 NLD		Probiotic		E. faecium	Faeces	0	0			296	25	8	8	8	10	10	6	
1416	E3569	296	1		1 NLD	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			296	25	8	8	8	10	10	6	
1417	NEDH 4586/TX205	296	1		1 USA	1971	Hospitalized patient		E. faecium	Faeces		1			296	25	8	8	8	10	10	6	
1418	NEDH 4901/TX205	296	1		1 USA	1971	Hospitalized patient		E. faecium	Faeces		1			296	25	8	8	8	10	10	6	
1419	A0818	297	2		1 KOR	2003	Poultry	Animal_poultry	E. faecium	Faeces	1				297	9	2	6	36	1	1	1	
1420	A0819	298	2		1 KOR	2003	Poultry	Animal_poultry	E. faecium	Faeces	1				298	15	2	24	6	1	7	1	
1421	E1972	299	1		1 DEU	2000	Hospitalized patient		E. faecium	Blood					299	24	8	8	8	6	10	11	
1422	E1976	300	3		3 DEU	2000	Hospitalized patient		E. faecium	WA					300	41	2	1	1	1	1	1	
1423	E1984	300	3		3 DEU	2000	Hospitalized patient		E. faecium	WA					300	41	2	1	1	1	1	1	
1424	E1988	300	3		3 DEU	2000	Hospitalized patient		E. faecium	K-Spitze					300	41	2	1	1	1	1	1	
1425	E2015	300	3		3 DEU	2000	Hospitalized patient		E. faecium	K-Urin					300	41	2	1	1	1	1	1	
1426	E2021	300	3		3 DEU	2001	Hospitalized patient		E. faecium	K-Urin					300	41	2	1	1	1	1	1	
1427	E2029	300	3		3 DEU	2000	Hospitalized patient		E. faecium	WA					300	41	2	1	1	1	1	1	
1428	E2030	300	3		3 DEU	2000	Hospitalized patient		E. faecium	WA					300	41	2	1	1	1	1	1	
1429	E2002	301	2		1 DEU	2001	Hospitalized patient		E. faecium	K-Spitze					301	42	2	28	11	1	14	17	
1430	E2005	302	3		3 DEU	2001	Hospitalized patient		E. faecium	TS					302	7	22	1	1	12	1	1	
1431	E2006	302	3		3 DEU	2001	Hospitalized patient		E. faecium	Thorax-Punktat					302	7	22	1	1	12	1	1	
1432	E2028	302	3		3 DEU	2000	Hospitalized patient		E. faecium	WA					302	7	22	1	1	12	1	1	
1433	E2047	302	3		3 DEU	2000	Hospitalized patient		E. faecium	Urine					302	7	22	1	1	12	1	1	
1434	E2018	303	3		3 DEU	2000	Hospitalized patient		E. faecium	WA					303	1	22	1	1	1	7	15	
1435	E2019	304	2		1 DEU	2000	Hospitalized patient		E. faecium	K-Urin					304	5	1	1	1	2	2	1	
1436	E2025	305	3		3 DEU	2000	Hospitalized patient		E. faecium	WA					305	7	2	1	1	12	1	15	
1437	E2044	306	3		3 DEU	2001	Hospitalized patient		E. faecium	WA					306	1	28	1	1	1	1	1	
1438	A0883	307	3		3 DEU	1995	Hospitalized patient	Clin_Isol	E. faecium	catheter urine		1			307	1	11	1	1	1	1	1	
1439	A1048	307	3		3 DEU	1995	Hospitalized patient	Clin_Isol	E. faecium	catheter urine	1	1			307	1	11	1	1	1	1	1	
1440	A0885	308	3		3 NOR				E. faecium						308	1	29	1	1	1	1	1	
1441	A0886	309	2		1 NOR				E. faecium						309	5	2	6	6	2	7	1	
1442	A0887	310	2		1 NOR				E. faecium						310	9	2	1	6	22	7	1	
1443	E4200	310	2		1 SWE				E. faecium						310	9	2	1	6	22	7	1	
1444	E4202	310	2		1 SWE	2001	Poultry	Animal_Poultry	E. faecium						310	9	2	1	6	22	7	1	
1445	E4205	310	2		1 SWE	2002	Poultry	Animal_Poultry	E. faecium						310	9	2	1	6	22	7	1	
1446	E4206	310	2		1 SWE	2002	Poultry	Animal_Poultry	E. faecium						310	9	2	1	6	22	7	1	
1447	E4207	310	2		1 SWE	2002	Poultry	Animal_Poultry	E. faecium						310	9	2	1	6	22	7	1	
1448	E4208	310	2		1 SWE	2002	Poultry	Animal_Poultry	E. faecium						310	9	2	1	6	22	7	1	
1449	E4209	310	2		1 SWE	2002	Poultry	Animal_Poultry	E. faecium						310	9	2	1	6	22	7	1	

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
1450	E4210	310	2		1 SWE	2002	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1451	E4212	310	2		1 SWE	2002	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1452	E4213	310	2		1 SWE	2002	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1453	E4214	310	2		1 SWE	2004	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1454	E4215	310	2		1 SWE	2004	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1455	E4216	310	2		1 SWE	2004	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1456	E4218	310	2		1 SWE	2004	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1457	E4219	310	2		1 SWE	2004	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1458	E4220	310	2		1 SWE	2004	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1459	E4222	310	2		1 SWE	2004	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1460	E4223	310	2		1 SWE	2004	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1461	E4225	310	2		1 SWE	2004	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1462	E4226	310	2		1 SWE	2005	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1463	E4227	310	2		1 SWE	2005	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1464	E4229	310	2		1 SWE	2005	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1465	E4230	310	2		1 SWE	2005	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1466	E4231	310	2		1 SWE	2005	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1467	E4232	310	2		1 SWE	2005	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1468	E4234	310	2		1 SWE	2006	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1469	E4235	310	2		1 SWE	2007	Poultry		Animal_Poultry	E. faecium					310	9	2	1	6	22	7	1	
1470	A0888	311	2		3 NOR					E. faecium					311	9	3	13	6	1	7	1	
1471	A0889	312	2		1 NOR					E. faecium					312	5	2	6	6	2	43	1	
1472	A0884	313	2		1 NOR					E. faecium					313	5	1	1	1	5	1	1	
1473	A1074	314	2		1 DEU		Hospitalized patient			E. faecium					314	43	5	1	1	12	7	1	
1474	A1169	315	3		3 JPN	1998	Hospitalized patient	Hospital outbreak JPN-1		E. faecium	Faeces	0			315	1	1	1	3	1	1	1	
1475	A1170	316	2		1 JPN	2005	Hospitalized patient	Hosp_Surv		E. faecium	Faeces	1			316	15	1	1	1	5	1	1	
1476	A1621	316	2		1 CHN	2007	Hospitalized patient			E. faecium					316	15	1	1	1	5	1	1	
1477	A1171	317	2		3 DEU	2006	Hospitalized patient	Clin_Isol		E. faecium	Abdominal infect	1	1		317	15	3	1	1	1	7	1	
1478	A1572	317	2		3 DEU	2006	Hospitalized patient	Clin_Isol		E. faecium	blood	1	1		317	15	3	1	1	1	7	1	
1479	A1573	317	2		3 DEU	2006	Hospitalized patient	Clin_Isol		E. faecium	blood	1	1		317	15	3	1	1	1	7	1	
1480	E4450	317	2		3 DNK		Dog	Animal_Dog		E. faecium	Urine	0	1		317	15	3	1	1	1	7	1	
1481	A1172	318	3		3 JPN		Hospitalized patient			E. faecium					318	44	1	1	1	1	44	1	
1482	A1173	319	3		1 JPN					E. faecium					319	7	30	1	1	5	1	3	
1483	A1174	320	2		4 CHN			Clin_Isol		E. faecium					320	9	1	1	1	12	29	1	
1484	A1175	321	3		1 CHN			Clin_Isol		E. faecium					321	7	3	1	1	1	1	3	
1485	A1176	322	3		3 CHN			Clin_Isol		E. faecium					322	7	1	6	1	5	7	1	
1486	A1177	323	2		1 CHN			Clin_Isol		E. faecium					323	5	1	1	1	1	1	1	
1487	E2766	324	2		1 NLD	2003	Hospitalized patient			E. faecium	Blood	0	1		324	5	1	1	2	1	1	1	
1488	E2883	325	4		NLD	2002	Hospitalized patient			E. faecium	Blood	1	1		325	7	1	29	1	19	1	1	
1489	E2966	326	4		NLD	2005	Hospitalized patient			E. faecium	Blood	1	0		326	7	1	30	1	14	1	1	
1490	E3083	327	1		NLD	2000	Hospitalized patient			E. faecium	Blood	0	0		327	25	13	9	15	10	19	6	
1491	E3548	328	1		NLD	2004	Hospitalized patient			E. faecium	Blood	0	0		328	25	13	18	17	10	19	6	
1492	E3596	329	1		NLD	1999	Hospitalized patient			E. faecium	Blood	0	0		329	9	8	14	8	10	27	6	
1493	E3953	330	3		1 NLD	2001	Hospitalized patient			E. faecium	Blood	0	0		330	3	31	1	6	1	45	1	
1494	E2620	331	4		NLD	2006	Hospitalized patient			E. faecium	Blood	0	0		331	19	13	32	37	14	19	6	
1495	E3346	332	4		NLD	2002	Hospitalized patient			E. faecium	Blood	1	0		332	9	2	33	11	16	14	6	
1496	A1180	333	2		1 KOR	2004	Hospitalized patient			E. faecium		1			333	15	2	1	1	1	7	1	
1497	E2948	334	1		NLD	2005	Hospitalized patient			E. faecium	Blood	0	0		334	13	8	15	8	11	19	6	
1498	A1181	335	6		CHN			Clin_Isol		E. faecium					335	45	13	34	15	19	29	18	
1499	A1304	336	3		3 ESP	2004	Hospitalized patient	Hospital outbreak Santander		E. faecium	Ascitis fluid	0	1		336	7	32	1	1	5	1	1	
1500	A1305	337	2		4 USA	1995	Hospitalized patient			E. faecium	Blood	1	1		337	5	3	1	38	8	6	1	
1501	A1306	338	3		3 JPN	2005	Hospitalized patient			E. faecium	Urine	1	1		338	44	1	1	1	1	1	1	
1502	A1307	339	2		1 JPN	2006	Hospitalized patient	Hosp_surv		E. faecium	Faeces	1	1		339	15	1	1	1	1	1	19	
1503	A1308	340	3		3 JPN	2006	Hospitalized patient			E. faecium	Bile	1	1		340	7	1	35	1	5	1	1	
1504	A1311	341	2		1 CHN	2007	Hospitalized patient			E. faecium	Blood	1	1		341	15	5	1	1	1	1	1	
1505	A1397	341	2		1 CHN	2007	Hospitalized patient			E. faecium	Drain	1	1		341	15	5	1	1	1	1	1	
1506	A1400	341	2		1 CHN	2007	Hospitalized patient			E. faecium	Aspirate	1	1		341	15	5	1	1	1	1	1	
1507	A1402	341	2		1 CHN	2007	Hospitalized patient			E. faecium	Bile	1	1		341	15	5	1	1	1	1	1	
1508	A1312	342	3		3 CHN	2007	Hospitalized patient			E. faecium	Blood	1	1		342	7	5	1	1	1	1	1	
1509	A1313	343	2		1 CHN	2007	Hospitalized patient			E. faecium	Blood	0	1		343	15	1	1	39	1	20	1	
1510	A1396	343	2		1 CHN	2007	Hospitalized patient			E. faecium	Blood	1	1		343	15	1	1	39	1	20	1	
1511	A1398	343	2		1 CHN	2007	Hospitalized patient			E. faecium	Blood	0	1		343	15	1	1	39	1	20	1	
1512	E4134	344	3		3 GBR	1988	Hospitalized patient			E. faecium	Blood	0	1		344	7	1	1	1	5	47	1	



Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
1513	E4135	345	1		GBR	1988	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0				345	25	8	8	8	10	48	6
1514	E4136	346	1		GBR	1989	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0				346	9	33	36	40	2	49	6
1515	E4140	347	3	5	GBR	1991	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	0				347	2	5	3	5	4	50	1
1516	E4154	348	3	3	GBR	1997	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				348	7	1	1	1	2	1	1
1517	E4162	348	3	3	GBR	2000	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				348	7	1	1	1	2	1	1
1518	E4157	349	3	3	GBR	1998	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1				349	1	2	1	1	5	1	1
1519	E4158	350	2	1	GBR	1999	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				350	5	2	1	11	1	1	5
1520	E4164	351	3	3	GBR	2000	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				351	7	15	1	1	5	1	1
1521	E4168	352	1		GBR	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0				352	13	8	10	8	6	10	6
1522	E4170	353	4		GBR	2002	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1				353	7	1	22	1	23	1	1
1523	A1315	354	3	2	ITA				E. faecium							354	4	2	1	41	1	1	5
1524	A1316	355	3	5	ITA				E. faecium							355	3	34	1	6	1	11	1
1525	A1317	355	3	5	ITA				E. faecium							355	3	34	1	6	1	11	1
1526	A1322	356	1		PRT	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	0					356	46	18	10	23	1	46	11
1527	E4180	357	4		FRA	2003	Non-hospitalized person	Comm_Surv	E. faecium	Faeces		1				357	1	1	37	1	24	1	1
1528	A1351	358	2	1	SAU	< 2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0					358	9	2	1	32	1	1	1
1529	A1352	359	3	3	SAU	< 2004	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	1					359	7	1	1	1	1	7	1
1530	A1353	360	3	1	SAU	< 2004	Hospitalized patient		E. faecium	Unknown	1					360	1	36	1	1	1	1	1
1531	A1355	361	1		PRT	2005	Environment	Environment_Hospital	E. faecium	Hospital Laundry						361	13	8	8	8	6	51	6
1532	A1356	361	1		PRT	2005	Environment	Environment_Hospital	E. faecium	Hospital Laundry						361	13	8	8	8	6	51	6
1533	A1357	361	1		PRT	2005	Environment	Environment_Hospital	E. faecium	Hospital Laundry						361	13	8	8	8	6	51	6
1534	A1358	361	1		PRT	2005	Environment	Environment_Hospital	E. faecium	Hospital Laundry						361	13	8	8	8	6	51	6
1535	A1359	361	1		PRT	2005	Environment	Environment_Hospital	E. faecium	Hospital Laundry						361	13	8	8	8	6	51	6
1536	A1407	362	6		CHN	2006	Hospitalized patient		E. faecium							362	45	1	32	39	14	1	18
1537	A1408	363	2	1	CHN	2006	Hospitalized patient		E. faecium							363	15	1	1	39	1	1	1
1538	A1409	363	2	1	CHN	2006	Hospitalized patient		E. faecium							363	15	1	1	39	1	1	1
1539	A1411	363	2	1	CHN	2007	Hospitalized patient		E. faecium							363	15	1	1	39	1	1	1
1540	A1410	364	3	3	CHN	2006	Hospitalized patient		E. faecium							364	7	1	1	1	1	20	1
1541	A1412	365	2	1	CHN	2007	Hospitalized patient		E. faecium							365	15	1	1	1	1	20	2
1542	A1416	366	5		PRT	1999	Hospitalized patient	Clin_Isol	E. faecium	Urine	1	1				366	47	1	1	1	14	1	1
1543	A1417	367	5		PRT	2000	Hospitalized patient	Clin_Isol	E. faecium	Drain	1	1				367	47	37	1	1	1	1	1
1544	A1418	368	3	3	PRT	2001	Sewage	Environment	E. faecium		1	1				368	7	38	1	1	12	1	1
1545	A1419	369	5		PRT	2003	Sewage	Environment	E. faecium		1	1				369	48	1	1	1	12	1	1
1546	A2215	370	2	1			Poultry	Animal_Poultry	E. faecium	Faeces						370	5	2	6	6	1	16	1
1547	E4196	370	2	1	SWE	2000	Poultry	Animal_Poultry	E. faecium							370	5	2	6	6	1	16	1
1548	A1585	371	3	1	DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				371	1	8	1	1	1	1	1
1549	A1493	372	3	3	DEU	1994	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				372	2	5	1	3	1	1	1
1550	A1494	373	2	1	DEU	1994	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				373	5	2	1	3	1	36	1
1551	E4463	373	2	1	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces						373	5	2	1	3	1	36	1
1552	A1521	374	2	1	DEU	1999	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				374	5	2	1	12	1	1	5
1553	A1533	375	2	3	DEU	2000	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				375	9	3	1	1	12	1	1
1554	A1547	376	2	3	DEU	2004	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				376	9	12	1	1	12	1	1
1555	A1598	377	2	1	DEU	2006	Hospitalized patient	Clin_Isol	E. faecium	blood	1	1				377	15	1	1	1	2	7	1
1556	A1555	378	3	3	DEU	2005	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				378	1	2	1	1	1	7	1
1557	A1609	378	3	3	DEU	2007	Hospitalized patient	Clin_Isol	E. faecium	blood	0	1				378	1	2	1	1	1	7	1
1558	A1628	379	3	1	DNK	2004	Hospitalized patient	Clin_Isol	E. faecium	blood						379	2	3	6	6	1	1	1
1559	A1629	380	3	3	DNK	2004	Hospitalized patient	Clin_Isol	E. faecium	blood						380	7	28	1	1	5	1	1
1560	A1644	381	2	1	POL	2000	Hospitalized patient	Hosp_Surv	E. faecium	stool						381	9	1	1	18	1	1	3
1561	A1645	382	2	1	POL	1999	Hospitalized patient	Clin_Isol	E. faecium	urine						382	9	5	1	1	1	1	3
1562	A1646	383	2	2	POL	1999	Hospitalized patient	Clin_Isol	E. faecium	blood						383	9	5	1	1	1	1	18
1563	A1647	384	2	1	POL	2000	Hospitalized patient	Clin_Isol	E. faecium	blood						384	9	5	1	18	1	1	3
1564	A1648	385	3	5	POL	2002	Hospitalized patient	Hosp_Surv	E. faecium	stool						385	1	5	1	1	1	6	3
1565	A1649	386	3	5	POL	2003	Hospitalized patient	Hosp_Surv	E. faecium	stool						386	1	1	1	1	1	6	1
1566	A1650	387	2	1	POL	2003	Hospitalized patient	Clin_Isol	E. faecium	blood						387	9	5	1	1	1	7	3
1567	A1651	388	3	3	POL	2005	Hospitalized patient	Hosp_Surv	E. faecium	rectum						388	7	1	1	1	5	1	3
1568	A1652	389	3	3	POL	2005	Hospitalized patient	Clin_Isol	E. faecium	wound						389	1	5	1	1	1	1	3
1569	A1653	390	3	1	PRT	2002	Hospitalized patient		E. faecium		0	1				390	1	39	1	1	1	1	1
1570	A1654	391	3	1	PRT	2007	Hospitalized patient		E. faecium	pus	1	1				391	7	3	1	1	12	1	20
1571	A1655	392	3	1	PRT	2001	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	0	0				392	2	3	1	2	1	53	1
1572	A1656	393	2	1	PRT	2006	Non-hospitalized person	Animal_pig	E. faecium	Dry dung	0	1				393	5	2	1	1	1	1	1
1573	E4539	393	2	1	NLD		Non-hospitalized person	Comm_Surv	E. faecium	Faeces						393	5	2	1	1	1	1	1
1574	E4540	393	2	1	NLD		Non-hospitalized person	Comm_Surv	E. faecium	Faeces						393	5	2	1	1	1	1	1
1575	E4545	393	2	1	NLD		Non-hospitalized person	Comm_Surv	E. faecium	Faeces						393	5	2	1	1	1	1	1

Supplementary Table 1. Meta-data of isolates included in this study

No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	Isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Adk
1576	E4546	393	2	1	NLD		Non-hospitalized person	Comm_Surv	E. faecium	Faeces		1				393	5	2	1	1	1	1	1
1577	E4547	393	2	1	NLD		Non-hospitalized person	Comm_Surv	E. faecium	Faeces						393	5	2	1	1	1	1	1
1578	A1658	394	5		PRT	1999	Poultry	Animal_Poultry	E. faecium	Carcass	0	0			394	47	2	6	6	1	7	1	
1579	A1659	395	2	1	PRT	2001	Poultry	Animal_Poultry	E. faecium	Carcass	0	0			395	9	2	6	6	1	8	1	
1580	A1661	396	2	3	DNK		Dog	Animal_Dog	E. faecium	Faeces					396	5	3	1	14	25	1	1	
1581	E4405	397	2	1	DNK		Dog	Animal_Dog	E. faecium	Faeces	0	1			397	15	1	1	42	1	1	1	
1582	E4412	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1583	E4414	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1584	E4416	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1585	E4419	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1586	E4420	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1587	E4431	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1588	E4433	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1589	E4438	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1590	E4440	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1591	E4441	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1592	E4443	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1593	E4444	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1594	E4445	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1595	E4448	398	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			398	15	1	6	1	1	7	1	
1596	E4428	399	2	1	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			399	15	27	1	1	1	7	1	
1597	E4423	400	3	2	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			400	4	1	1	1	1	7	1	
1598	E4413	401	3	2	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			401	4	1	6	6	1	20	1	
1599	E4418	401	3	2	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			401	4	1	6	6	1	20	1	
1600	E4415	402	2	3	GBR		Dog	Animal_Dog	E. faecium	Faeces	0	1			402	15	3	6	6	1	7	1	
1601	A1662	403	2	1	KOR	2006	Hospitalized patient	Hosp_Surv	E. faecium	Faeces					403	15	1	1	1	1	7	21	
1602	A1663	404	3	2	PRT	1997	Pig	Animal_pig	E. faecium	Faeces	0	0			404	4	2	1	43	1	54	5	
1603	A1664	405	5		PRT	1999	Poultry	Animal_Poultry	E. faecium	Carcass	0	0			405	49	2	6	6	1	1	1	
1604	A1665	406	3	5	PRT	2001	Poultry	Animal_Poultry	E. faecium	Carcass	0	0			406	4	2	1	3	1	41	1	
1605	A1667	407	3	5	POL	1997	Hospitalized patient	Clin_Isol	E. faecium	blood					407	1	3	1	1	1	52	1	
1606	A1668	408	2	4	POL	1997	Hospitalized patient	Clin_Isol	E. faecium	Faeces					408	9	3	1	1	1	52	1	
1607	A1669	409	3	3	POL	2003	Hospitalized patient	Clin_Isol	E. faecium	wound					409	7	1	1	1	12	1	3	
1608	A1670	410	2	1	POL	2003	Hospitalized patient	Clin_Isol	E. faecium	Faeces					410	9	1	1	1	1	1	3	
1609	A1671	411	2	1	POL	1998	Hospitalized patient	Clin_Isol	E. faecium	Faeces					411	50	1	6	18	1	1	1	
1610	A1703	412	2	1	GRC	2004	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			412	15	1	1	44	1	20	1	
1611	A1708	412	2	1	GRC	2005	Hospitalized patient	Hospital outbreak GR-3	E. faecium	Blood	1	1			412	15	1	1	44	1	20	1	
1612	A1709	412	2	1	GRC	2005	Hospitalized patient	Clin_Isol	E. faecium	Pus	1	1			412	15	1	1	44	1	20	1	
1613	A1710	412	2	1	GRC	2006	Hospitalized patient	Hospital outbreak GR-3	E. faecium	Blood	1	1			412	15	1	1	44	1	20	1	
1614	A2085	412	2	1	BRA	2008	Hospitalized patient	Clin_Isol	E. faecium	Blood					412	15	1	1	44	1	20	1	
1615	A1704	413	3	3	DEU	2004	Non-hospitalized person	Comm_Surv	E. faecium	blood	0	0			413	7	1	6	6	5	7	1	
1616	A1706	414	2	1	AUS	2008	Hospitalized patient	Hosp_Surv	E. faecium	Rectal Swab		1			414	15	5	1	1	1	20	1	
1617	A1707	415	3	1	JPN	1997	Hospitalized patient	Clin_Isol	E. faecium	Wound					415	1	33	1	1	1	1	6	
1618	A1711	416	2	3	ESP	2006	Hospitalized patient	Hosp_Surv	E. faecium	Swab					416	5	3	1	2	2	1	1	
1619	A1712	417	2	3	ESP	2006	Hospitalized patient	Hosp_Surv	E. faecium	Swab					417	5	7	5	7	2	1	1	
1620	A1731	418	2	1	JPN	1998	Hospitalized patient	Clin_Isol	E. faecium	Urine					418	9	1	1	18	1	1	1	
1621	A1738	419	6		ESP	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			419	47	1	32	1	14	1	18	
1622	A1771	419	6		ESP	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	1	1			419	47	1	32	1	14	1	18	
1623	A1772	419	6		ESP	2005	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	1			419	47	1	32	1	14	1	18	
1624	A1739	420	2	3	ESP	2007	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			420	5	3	38	2	1	1	1	
1625	A1740	421	3	3	USA	2005			E. faecium						421	3	2	1	6	1	7	1	
1626	A1741	422	3	3	USA	2005			E. faecium						422	2	2	6	6	1	1	1	
1627	A1747	423	2	1	USA	2005			E. faecium						423	5	2	6	6	1	20	1	
1628	A1748	424	2	1	USA	2005			E. faecium						424	5	2	1	3	1	20	1	
1629	A1754	425	2	4	ESP	2008	Poultry	Animal_Poultry	E. faecium	Food	0	1			425	5	2	1	3	1	33	1	
1630	A1755	426	3	3	JPN	2001	Hospitalized patient		E. faecium						426	7	5	1	18	1	1	3	
1631	A1757	426	3	3	JPN	2003	Hospitalized patient	Clin_Isol	E. faecium	Urine					426	7	5	1	18	1	1	3	
1632	A1758	426	3	3	JPN	2006	Hospitalized patient	Clin_Isol	E. faecium	Gastric Acid					426	7	5	1	18	1	1	3	
1633	A1756	427	3	3	JPN	2003	Hospitalized patient	Clin_Isol	E. faecium	Vagina					427	7	5	1	18	1	1	1	
1634	A1760	428	5		PRT	2006	Pig	Animal_Pig	E. faecium	Waste Lagoon		0		428	45	13	18	17	10	19	6		
1635	A1761	429	2	3	PRT	2006	Pig	Animal_Pig	E. faecium	Manure		0		429	5	3	6	6	1	55	1		
1636	A1762	430	2	3	PRT	2007	Pig	Animal_Pig	E. faecium	Food		1		430	5	3	1	1	1	7	1		
1637	A1763	431	3	3	PRT	2007	Pig	Animal_Pig	E. faecium	Dust		1		431	7	2	1	1	1	1	1	1	
1638	A1764	432	3	2	PRT	2007	Pig	Animal_Pig	E. faecium	Residual Water		0		432	51	40	12	3	1	1	1	1	

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No	Strain code	ST	BAPS group	BAPS subgroup	country	year	Source	Epidemiology	Species	isol_site	esp_gene	ampR	SgrA	EcbA	Genomic island	ST	AtpA	Ddl	Gdh	PurK	Gyd	PstS	Ack
1639	A1765	433	3	4	PRT	2007	Pig	Animal_Pig	E. faecium	Air		1			433	9	5	8	3	1	1	1	
1640	A1766	434	1		PRT	2007	Pig	Animal_Pig	E. faecium	Air		0			434	11	8	8	17	10	41	6	
1641	A1767	435	3	1	PRT	2007	Pig	Animal_Pig	E. faecium	Faeces		0			435	2	3	1	2	1	1	22	
1642	A1768	436	5		PRT	2007	Pig	Animal_Pig	E. faecium	Food		0			436	52	3	1	2	1	1	1	
1643	A1769	437	2	1	PRT	2007	Pig	Animal_Pig	E. faecium	Food		1			437	9	5	1	3	1	20	1	
1644	A1777	439	2	4	USA	2005			E. faecium						439	53	2	6	6	1	33	5	
1645	A1828	440	2	1	SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood					440	43	1	1	1	12	1	1	
1646	A1829	441	3	1	SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood					441	2	3	1	1	1	1	1	
1647	A1830	441	3	1	SWE		Hospitalized patient	Clin_Isol	E. faecium	Blood					441	2	3	1	1	1	1	1	
1648	A1837	442	2	1	PRT	2005	Environment	Environment	E. faecium	sand					442	5	1	1	2	6	1	1	
1649	A1838	442	2	1	PRT	2005	Environment	Environment	E. faecium	sand					442	5	1	1	2	6	1	1	
1650	A1839	443	2	3	PRT	2007	Pig	Animal_Pig	E. faecium	Rectal Swab					443	9	4	12	1	1	20	5	
1651	A1990	444	5		TWN	2007	Hospitalized patient	Hospital outbreak TWN-1	E. faecium	urine	1	1			444	47	1	1	1	1	1	23	
1652	A1991	444	5		TWN	2007	Hospitalized patient	Hospital outbreak TWN-2	E. faecium	wound pus	1	1			444	47	1	1	1	1	1	23	
1653	A2002	445	2	1	USA	2005	Meat	Animal_Food	E. faecium	Chicken Breast					445	9	2	6	6	1	20	1	
1654	A2003	446	2	1	USA	2005	Meat	Animal_Food	E. faecium	Ground Turkey					446	9	2	1	3	1	1	1	
1655	A2004	447	3	3	BRA	2006	Hospitalized patient	Hospital outbreak BR-2	E. faecium	Peritoneal fluid	1				447	1	43	1	44	1	20	1	
1656	A2006	447	3	3	BRA	2007	Hospitalized patient	Hosp_Surv	E. faecium	Rectal Swab	1				447	1	43	1	44	1	20	1	
1657	A2007	447	3	3	BRA	2007	Hospitalized patient	Hosp_Surv	E. faecium	Rectal Swab	1				447	1	43	1	44	1	20	1	
1658	A2005	448	3	1	BRA	2008	Hospitalized patient	Clin_Isol	E. faecium	Blood	1				448	1	3	1	44	1	20	1	
1659	A2008	449	2	1	USA	2005	Meat	Animal_Food	E. faecium	Ground Turkey					449	5	2	1	45	1	14	1	
1660	A2009	450	2	1	USA	2005	Meat	Animal_Food	E. faecium	Ground Turkey					450	9	2	1	3	1	7	1	
1661	A2010	451	2	1	USA	2005	Meat	Animal_Food	E. faecium	Chicken Breast					451	5	2	6	3	1	1	1	
1662	A2011	452	3	3	USA	2005	Meat	Animal_Food	E. faecium	Ground Turkey					452	2	2	1	3	1	7	5	
1663	E4470	453	3	3	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1				453	54	1	1	1	1	7	1	
1664	E4469	454	2	4	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1				454	15	1	1	1	1	11	1	
1665	E4471	455	3	5	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1				455	7	1	1	6	1	11	1	
1666	E4457	456	2	1	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1				456	5	1	1	2	1	57	1	
1667	E4566	456	2	1	NLD		Non-hospitalized person	Comm_Surv	E. faecium	Faeces	1				456	5	1	1	2	1	57	1	
1668	E4592	456	2	1	NLD	2009	Non-hospitalized person	Comm_Surv	E. faecium	Faeces	1				456	5	1	1	2	1	57	1	
1669	E4461	457	3	5	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1				457	7	1	1	1	1	58	1	
1670	E4466	458	2	3	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1				458	15	3	1	46	1	7	1	
1671	E4472	459	2	1	NLD	2008	Dog	Animal_Dog	E. faecium	Faeces	1				459	15	1	6	47	1	7	1	
1672	A2018	460	3	3	SWE	2003	Hospitalized patient	Clin_Isol	E. faecium	Wound					460	1	42	1	1	1	1	1	
1673	A2029	461	2	1	USA	2006	Meat	Animal_Food	E. faecium	Chicken Breast					461	5	2	6	32	1	7	1	
1674	A2030	462	2	4	USA	2006	Meat	Animal_Food	E. faecium	Chicken Breast					462	5	2	6	6	1	33	1	
1675	A2031	463	2	1	USA	2006	Meat	Animal_Food	E. faecium	Chicken Breast					463	9	2	6	6	1	16	1	
1676	A2033	463	2	1	USA	2006	Meat	Animal_Food	E. faecium	Chicken Breast					463	9	2	6	6	1	16	1	
1677	A2034	463	2	1	USA	2006	Meat	Animal_Food	E. faecium	Chicken Breast					463	9	2	6	6	1	16	1	
1678	A2032	464	2	1	USA	2006	Meat	Animal_Food	E. faecium	Ground Turkey					464	5	2	6	3	1	7	5	
1679	A2035	465	2	4	USA	2006	Meat	Animal_Food	E. faecium	Chicken Breast					465	53	2	6	3	1	33	5	
1680	A2036	466	3	5	USA	2006	Meat	Animal_Food	E. faecium	Ground Turkey					466	2	2	6	3	1	11	1	
1681	A2037	467	2	4	USA	2006	Meat	Animal_Food	E. faecium	Ground Turkey					467	5	18	24	6	2	33	1	
1682	A2038	468	3	5	USA	2006	Meat	Animal_Food	E. faecium	Ground Turkey					468	2	3	1	2	1	33	1	
1683	A2039	469	2	4	USA	2006	Meat	Animal_Food	E. faecium	Ground Turkey					469	9	4	6	1	1	33	1	
1684	A2040	469	2	4	USA	2006	Meat	Animal_Food	E. faecium	Ground Turkey					469	9	4	6	1	1	33	1	
1685	A2041	470	4		PRT	2005	Sand	Environment	E. faecium		0				470	25	13	34	48	19	26	6	
1686	A2042	471	3	3	KOR	2008	Hospitalized patient	Hosp_Surv	E. faecium	Rectal Swab	1				471	7	1	1	1	21	7	1	
1687	A2043	472	3	3	KOR	2008	Hospitalized patient	Hosp_Surv	E. faecium	Rectal Swab	1				472	1	1	1	1	1	34	1	
1688	A2055	473	1		USA	1988	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	1			473	13	8	8	8	6	59	6	
1689	NEDH SF-76/TX20	473	1		USA	1988	Hospitalized patient		E. faecium			1			473	13	8	8	8	6	59	6	
1690	A2056	474	1		USA	1987-1988	Hospitalized patient	Clin_Isol	E. faecium	Blood	0	0			474	5	6	4	4	10	60	2	
1691	UWHC-2145/TX20	474	1		USA	1987-1988	Hospitalized patient		E. faecium			1			474	5	6	4	4	10	60	2	
1692	A2057	475	3	3	USA	1993	Hospitalized patient	Hosp_Surv	E. faecium	Faeces	0	0			475	1	44	1	1	1	1	1	
1693	SEH33/TX1399	475	3	3	USA	1993-1994	Hospitalized patient		E. faecium			1			475	1	44	1	1	1	1	1	
1694	A2058	476	3	1	USA	1981-1987	Hospitalized patient	Clin_Isol	E. faecium	Urine	0	1			476	3	3	6	2	1	1	1	
1695	RLA-1/TX2058	476	3	1	USA	1981-87	Hospitalized patient		E. faecium			1			476	3	3	6	2	1	1	1	
1696	RLA-2/TX2059	476	3	1	USA	1981-87	Hospitalized patient		E. faecium			1			476	3	3	6	2	1	1	1	
1697	RLA-3/TX2060	476	3	1	USA	1981-87	Hospitalized patient		E. faecium			1			476	3	3	6	2	1	1	1	
1698	E4582	477	3	2	NLD	2009	Cat	Animal_Cat	E. faecium	Faeces	1	1			477	4	3	1	1	1	7	1	
1699	A2081	478	2	1	BRA	2007	Hospitalized patient	Hosp_Surv	E. faecium	Rectal Swab	1				478	15	43	1	44	1	20	1	
1700	A2082	478	2	1	BRA	2007	Hospitalized patient	Hosp_Surv	E. faecium	Rectal Swab	1				478	15	43	1	44	1	20	1	
1701	A2083	478	2	1	BRA	2008	Hospitalized patient	Hospital outbreak BR-3	E. faecium	Peritoneal fluid	1				478	15	43	1	44	1	20	1	

