

Table S1. The results of the first stage of research

No strain	Strain identification						Accession
	Identification results	Max Score	Total Score	Query Cover	E value	Per. Ident	
1	<i>Raoultella ornithinolytica</i>	2159	2159	96%	0	97.22%	MT568560.1
2	<i>Providencia vermicola</i>	2206	2206	96%	0	98.86%	MK780045.1
3	<i>Klebsiella pneumoniae</i>	2115	2115	99%	0	98.90%	MN208189.1
4	<i>Klebsiella pneumoniae</i>	2110	2110	92%	0	98.20%	MK156319.1
5	<i>Kluyvera cryocrescens</i>	1663	1663	98%	0	88.94%	LC060917.1
6	<i>Klebsiella pneumoniae</i>	2137	2137	90%	0	99.08%	KJ803912.1
7	<i>Raoultella ornithinolytica</i>	2159	2159	96%	0	97.22%	MT568560.1
8	<i>Providencia vermicola</i>	1803	1803	88%	0	98.62%	KC456588.1
9	Unknown						
10	<i>Providencia vermicola</i>	2206	2206	96%	0	98.86%	MK780045.1
11	<i>Klebsiella pneumoniae</i>	2115	2115	89%	0	98.90%	MN208189.1
12	<i>Klebsiella oxytoca</i>	2217	2217	99%	0	97.45%	MT509939.1
13	<i>Enterobacter cloacae</i>	2163	2163	95%	0	98.52%	KY524293.1
14	<i>Pantoea agglomerans</i>	806	806	76%	0	80.54%	MN006238.1
15	<i>Aeromonas allosaccharophila</i>	2117	2117	88%	0	98.90%	MN208205.1
16	<i>Kluyvera cryocrescens</i>	1663	1663	98%	0	88.94%	LC060917.1
17	<i>Kluyvera ascorbata</i>	1295	1295	90%	0	83.83%	MT611553.1
18	<i>Kluyvera ascorbata</i>	2145	2145	90%	0	99.08%	MT611553.1
19	<i>Raoultella ornithinolytica</i>	2152	2152	97%	0	99.08%	MT545114.1
20	<i>Kluyvera cryocrescens</i>	1899	1899	94%	0	94.71%	LC060917.1
21	<i>Providencia rettgeri</i>	2194	15314	95%	0	99.26%	CP059345.1
22	<i>Providencia vermicola</i>	1810	1810	98%	0	92.10%	KC456565.1
23	<i>Enterobacter hormaechei</i>	2143	2143	94%	0	98.75%	KF836497.1
24	<i>Enterobacter asburiae</i>	2089	16586	95%	0	97.53%	CP034336.1
25	<i>Citrobacter freundii</i>	2163	2163	98%	0	96.00%	KY378909.1
26	<i>Klebsiella pneumoniae</i>	2226	2226	99%	0	97.30%	MN208189.1
27	<i>Klebsiella pneumoniae</i>	2178	2178	98%	0	97.69%	MF767577.1
28	<i>Klebsiella oxytoca</i>	2117	2117	90%	0	98.66%	KM349412.1
29	<i>Klebsiella pneumoniae</i>	2137	2137	92%	0	99.08%	KJ803912.1
30	<i>Raoultella sp.</i>	2180	2180	99%	0	96.98%	MT545114.1 KC456530.1
31	<i>Klebsiella pneumoniae</i>	2154	16767	91%	0	99.49%	CP041644.1
32	<i>Klebsiella pneumoniae</i>	2182	2182	95%	0	98.23%	MN208189.1
33	<i>Klebsiella pneumoniae</i>	2145	16617	94%	0	98.21%	CP054268.1
34	<i>Providencia sp.</i>	2154	2154	98%	0	97.75%	MK780045.1 MK780040.1 CP017671.1
35	<i>Salmonella enterica subsp. enterica serovar Typhimurium strain</i>	135	135	43%	5.00E-27	70.60%	MH352182.1
36	<i>Enterobacter sp.</i>	1465	1465	95%	0	87.36%	MN691820.1 MK424123.1 MT103318.1
37	Unknown						
38	<i>Proteus mirabilis</i>	664	664	75%	0	79.26%	KC456537.1
39	<i>Providencia sp.</i>	2174	2174	93%	0	98.69%	KF471512.1 CP027418.1
40	<i>Providencia sp.</i>	2145	2145	93%	0	98.60%	KX495211.1 CP027418.1
41	Unknown						
42	<i>Proteus mirabilis</i>	2207	2207	97%	0	98.47%	KC456549.1
43	<i>Proteus mirabilis</i>	2220	2220	98%	0	97.18%	1432
44	<i>Klebsiella pneumoniae</i>	2145	2145	91%	0	99.24%	MH788983.1
45	<i>Proteus mirabilis</i>	1862	1862	94%	0	95.52%	GU384269.1
46	<i>Raoultella ornithinolytica</i>	2159	2159	96%	0	97.22%	MT568560.1
47	<i>Klebsiella pneumoniae</i>	1437	1437	98%	0	84.36%	MK386782.1
48	<i>Citrobacter farmeri</i>	2084	2084	90%	0	98.80%	EU030438.1
49	<i>Fusobacterium mortiferum</i>	2187	2187	98%	0	97.93%	LT574675.1
50	<i>Klebsiella oxytoca</i>	2161	17171	92%	0	97.97%	LR133932.1
51	<i>Fusobacterium mortiferum</i>	784	784	70%	0	80.47%	NR_117734.1
52	<i>Fusobacterium mortiferum</i>	2152	2152	98%	0	97.01%	MN537550.1
53	<i>Klebsiella pneumoniae</i>	2154	2154	90%	0	99.16%	MN208189.1
54	<i>Klebsiella pneumoniae</i>	2097	2097	94%	0	98.40%	LC427681.1
55	Unknown						
56	<i>Klebsiella pneumoniae</i>	584	584	63%	4.00E-162	78.25%	MT476959.1
57	<i>Fusobacterium mortiferum</i>	989	989	64%	0	86.40%	MN537550.1
58	<i>Klebsiella pneumoniae</i>	1282	1282	93%	0	83.26%	KY983579.1
59	<i>Fusobacterium mortiferum</i>	2124	16987	93%	0	98.26%	CP028102.1
60	<i>Fusobacterium mortiferum</i>	1954	15627	99%	0	94.99%	CP028102.1
61	<i>Klebsiella pneumoniae</i>	1910	1910	98%	0	94.73%	MK512007.1
62	<i>Escherichia coli</i>	2189	2189	96%	0	96.63%	MN094120.1
63	<i>Fusobacterium mortiferum</i>	1664	1664	98%	0	88.95%	MN537550.1
64	<i>Klebsiella pneumoniae</i>	2176	2176	94%	0	98.77%	MN208189.1
65	<i>Fusobacterium mortiferum</i>	2169	2169	92%	0	98.77%	LT574675.1
66	Unknown						
67	<i>Fusobacterium mortiferum</i>	2193	2193	98%	0	97.20%	MN537550.1
68	<i>Fusobacterium mortiferum</i>	2196	2196	97%	0	97.35%	LT574675.1
69	<i>Fusobacterium mortiferum</i>	2169	2169	96%	0	97.76%	LT574675.1
70	<i>Fusobacterium mortiferum</i>	2189	2189	96%	0	97.56%	LT574675.1
71	<i>Klebsiella pneumoniae</i>	1644	1644	95%	0	89.67%	KY022736.1
72	<i>Fusobacterium mortiferum</i>	1531	1531	92%	0	88.22%	NR_117734.1
73	<i>Klebsiella pneumoniae</i>	1997	1997	97%	0	97.07%	MK512005.1
74	<i>Klebsiella pneumoniae</i>	1707	1707	95%	0	89.63%	KU937377.1
75	<i>Fusobacterium mortiferum</i>	2183	2183	93%	0	98.45%	MN537550.1
76	<i>Klebsiella pneumoniae</i>	2200	2200	93%	0	98.23%	MF767579.1
77	<i>Klebsiella pneumoniae</i>	2134	2134	86%	0	99.40%	MK386778.1
78	<i>Klebsiella pneumoniae</i>	2152	2152	98%	0	99.33%	KJ803912.1
79	<i>Klebsiella pneumoniae</i>	2143	2143	97%	0	99.57%	KJ803912.1
80	<i>Klebsiella pneumoniae</i>	2146	2146	99%	0	99.32%	MH111446.1
81	<i>Raoultella ornithinolytica</i>	2196	2196	98%	0	98.38%	MT545114.1
82	<i>Enterobacter hormaechei</i>	2222	17601	97%	0	97.17%	CP023569.1
83	<i>Klebsiella pneumoniae</i>	2187	2187	97%	0	96.68%	MK386785.1
84	<i>Fusobacterium mortiferum</i>	2200	2200	98%	0	99.09%	LT574675.1
85	<i>Fusobacterium mortiferum</i>	2248	2248	98%	0	98.65%	LT574675.1
86	<i>Fusobacterium mortiferum</i>	2200	17592	98%	0	99.02%	CP028102.1
87	<i>Fusobacterium mortiferum</i>	2143	2143	91%	0	98.58%	LT574675.1
88	<i>Fusobacterium mortiferum</i>	2084	2084	97%	0	98.30%	LT574675.1
89	<i>Klebsiella pneumoniae</i>	2215	2215	98%	0	97.06%	MH930398.1
90	<i>Klebsiella oxytoca</i>	1772	1772	93%	0	90.98%	MT326229.1
91	<i>Citrobacter freundii</i>	2185	2185	94%	0	98.85%	KY378909.1
92	<i>Klebsiella oxytoca</i>	2130	16903	89%	0	98.74%	LR133932.1
93	<i>Fusobacterium mortiferum</i>	2170	17356	94%	0	99.08%	CP028102.1
94	<i>Fusobacterium mortiferum</i>	2165	2165	93%	0	98.44%	LT574675.1
95	<i>Fusobacterium mortiferum</i>	2156	2156	97%	0	98.36%	LT574675.1
96	<i>Kluyvera ascorbata</i>	2224	2224	98%	0	97.37%	MT611553.1

97	<i>Kluyvera ascorbata</i>	2154	2154	95%	0	99.74%	MT611553.1
98	<i>Enterobacter asburiae</i>	1306	1306	85%	0	87.10%	MN691251.1
99	<i>Enterobacter sp.</i>	1557	1557	92%	0	88.98%	MF498494.1
100	<i>Providencia sp.</i>	2222	2222	98%	0	98.09%	KC456588.1 CP059345.1
101	<i>Kluyvera intermedia</i>	2121	2121	95%	0	99.15%	MH620736.1
102	<i>Enterobacter asburiae</i>	2158	2158	91%	0	98.43%	MT113090.1
103	<i>Klebsiella pneumoniae</i>	1537	1537	92%	0	87.44%	MN208189.1
104	<i>Fusobacterium mortiferum</i>	1046	1046	87%	0	80.52%	NR_117734.1
105	<i>Fusobacterium mortiferum</i>	2211	2211	98%	0	98.24%	LT574675.1
106	<i>Fusobacterium mortiferum</i>	2200	2200	92%	0	99.10%	LT574675.1
107	<i>Fusobacterium mortiferum</i>	2065	2065	93%	0	97.75%	LT574675.1
108	<i>Fusobacterium mortiferum</i>	2134	17060	92%	0	98.42%	CP028102.1
109	<i>Kluyvera ascorbata</i>	1273	1273	71%	0	90.03%	MT611553.1
110	<i>Providencia sp.</i>	2169	2169	91%	0	99.50%	KX495211.1 CP027418.1
111	<i>Klebsiella pneumoniae</i>	1157	1157	73%	0	86.50%	LC427681.1
112	<i>Klebsiella pneumoniae</i>	2146	2146	98%	0	99.49%	MN208189.1
113	<i>Enterobacter sp.</i>	2150	17079	95%	0	98.59%	CP034336.1 CP026975.1
114	<i>Aeromonas allosaccharophila</i>	2041	2041	95%	0	96.50%	MN208194.1
115	<i>Citrobacter freundii</i>	2183	2183	98%	0	96.60%	FN997639.1
116	<i>Enterobacter sp.</i>	2154	17105	98%	0	98.60%	CP034336.1 CP026975.1
117	<i>Providencia sp.</i>	2172	2172	98%	0	97.38%	KX495211.1 CP027418.1
118	<i>Citrobacter freundii</i>	2146	2146	90%	0	98.91%	FN997639.1
119	<i>Aeromonas allosaccharophila</i>	2259	2259	98%	0	98.89%	MN208205.1
120	<i>Klebsiella pneumoniae</i>	1676	1676	82%	0	97.84%	KF413424.1
121	<i>Providencia sp.</i>	2220	2220	98%	0	98.48%	KX495211.1 CP027418.1
122	<i>Providencia sp.</i>	2093	2093	97%	0	98.72%	KX495211.1 CP027418.1
123	<i>Fusobacterium mortiferum</i>	2222	2222	98%	0	98.24%	LT574675.1
124	<i>Fusobacterium mortiferum</i>	2180	2180	93%	0	98.77%	LT574675.1
125	<i>Fusobacterium mortiferum</i>	2159	2159	94%	0	98.91%	LT574675.1
126	<i>Fusobacterium mortiferum</i>	2041	2041	94%	0	99.12%	LT574675.1
127	<i>Fusobacterium mortiferum</i>	2218	17740	98%	0	98.09%	CP028102.1
128	Unknown						
129	<i>Aeromonas sp.</i>	885	885	79%	0	79.73%	MK548513.1 AP022038.1
130	<i>Fusobacterium mortiferum</i>	2228	17814	98%	0	98.41%	CP028102.1
131	Unknown	931	931	64%	0	83.39%	MT367864.1 MN691895.1
132	<i>Fusobacterium mortiferum</i>	2061	2061	89%	0	99.47%	LT574675.1
133	<i>Klebsiella oxytoca</i>	2071	2071	98%	0	98.70%	MT271953.1
134	<i>Klebsiella michiganensis</i>	1781	1781	95%	0	92.33%	MT509875.1
135	<i>Klebsiella sp.</i>	2097	2097	97%	0	99.22%	MK560009.1 KR824099.1
136	<i>Klebsiella oxytoca</i>	2124	2124	93%	0	98.42%	MT509912.1
137	<i>Fusobacterium mortiferum</i>	2252	2252	98%	0	98.42%	LT574675.1
138	<i>Providencia vermicola</i>	1803	1803	88%	0	96.62%	KC456588.1
139	<i>Fusobacterium mortiferum</i>	2242	17932	98%	0	98.72%	CP028102.1
140	<i>Fusobacterium mortiferum</i>	1808	1808	93%	0	93.10%	LT574675.1
141	<i>Fusobacterium mortiferum</i>	2139	2139	91%	0	98.90%	LT574675.1
142	<i>Fusobacterium mortiferum</i>	2069	16543	90%	0	98.13%	CP028102.1
143	<i>Klebsiella pneumoniae</i>	2215	2215	99%	0	96.99%	MH396723.1
144	<i>Klebsiella pneumoniae</i>	1816	1816	92%	0	92.70%	MH930397.1
145	<i>Klebsiella pneumoniae</i>	2189	2189	91%	0	99.83%	KJ803912.1
146	<i>Fusobacterium mortiferum</i>	2187	2187	98%	0	97.85%	LT574675.1
147	<i>Providencia sp.</i>	2206	2206	98%	0	98.86%	KX495211.1 CP027418.1
148	<i>Providencia vermicola</i>	1943	1943	94%	0	96.41%	KC456565.1
149	<i>Klebsiella sp.</i>	2156	2156	90%	0	99.16%	HQ259959.1 MK560009.1
150	<i>Klebsiella pneumoniae</i>	2174	2174	89%	0	99.41%	JQ838151.1
151	<i>Klebsiella variicola</i>	2076	2076	98%	0	96.29%	KJ803944.1
152	<i>Bacteroides fragilis</i>	1279	1279	87%	0	86.06%	KP944139.1
153	<i>Enterobacter sp.</i>	2143	17016	98%	0	98.75%	CP034336.1 CP010512.1
154	<i>Bacteroides fragilis</i>	2204	2204	98%	0	98.46%	KP944137.1
155	<i>Bacteroides fragilis</i>	2115	2115	93%	0	99.06%	KP944136.1
156	<i>Bacteroides fragilis</i>	2220	13324	98%	0	97.59%	CP036555.1
157	<i>Bacteroides fragilis</i>	2204	2204	99%	0	98.62%	KP944137.1
158	<i>Kluyvera ascorbata</i>	2185	2185	94%	0	98.61%	KY938088.1
159	<i>Bacteroides fragilis</i>	2222	2222	92%	0	98.87%	KP944139.1
160	<i>Providencia sp.</i>	2230	2230	98%	0	97.38%	KX495211.1 CP027418.1
161	<i>Bacteroides fragilis</i>	2248	2248	98%	0	97.83%	KP944142.1
162	<i>Klebsiella oxytoca</i>	2126	16902	89%	0	98.74%	LR133932.1
163	<i>Fusobacterium mortiferum</i>	2137	2137	92%	0	98.50%	LT574675.1
164	<i>Klebsiella oxytoca</i>	1869	14837	93%	0	95.24%	LR133932.1
165	<i>Fusobacterium mortiferum</i>	2194	2194	97%	0	97.63%	MN537550.1
166	<i>Fusobacterium mortiferum</i>	2202	17607	97%	0	97.50%	CP028102.1
167	<i>Fusobacterium mortiferum</i>	2187	17489	97%	0	97.48%	CP028102.1
168	<i>Klebsiella pneumoniae</i>	2159	2159	91%	0	99.49%	KJ803912.1
169	<i>Fusobacterium mortiferum</i>	2163	2163	96%	0	97.24%	LT574675.1
170	<i>Klebsiella pneumoniae</i>	2180	2180	91%	0	98.85%	KP241788.1
171	<i>Klebsiella pneumoniae</i>	2163	2163	91%	0	98.68%	KJ803912.1
172	<i>Fusobacterium mortiferum</i>	2172	2172	96%	0	97.55%	LT574675.1
173	<i>Enterobacter sp.</i>	2141	17007	95%	0	98.51%	CP034336.1 CP010512.1
174	<i>Fusobacterium mortiferum</i>	2121	2121	92%	0	98.82%	LT574675.1
175	<i>Bacteroides fragilis</i>	2218	2218	99%	0	97.60%	KP944137.1
176	<i>Bacteroides fragilis</i>	2196	2196	98%	0	97.51%	KP944141.1
177	<i>Bacteroides fragilis</i>	2228	2228	98%	0	97.97%	KP326374.1
178	<i>Bacteroides fragilis</i>	2252	13402	99%	0	98.07%	CP011073.1
179	<i>Bacteroides fragilis</i>	2213	2213	99%	0	98.03%	KP944140.1
180	<i>Bacteroides fragilis</i>	2191	2191	99%	0	97.28%	KP944141.1
181	<i>Bacteroides fragilis</i>	2183	12994	98%	0	97.36%	CP011073.1
182	<i>Bacteroides stercoris</i>	2146	2146	99%	0	97.14%	MK743935.1
183	<i>Providencia sp.</i>	2161	2161	92%	0	98.77%	MK780045.1 CP027418.1
184	<i>Bacteroides fragilis</i>	2202	13075	98%	0	97.51%	CP043610.1
185	<i>Bacteroides fragilis</i>	2217	2217	96%	0	97.31%	KP944136.1
186	Unknown						
187	<i>Bacteroides dorei</i>	2004	13972	98%	0	94.87%	CP046427.1
188	<i>Fusobacterium mortiferum</i>	2187	2187	98%	0	97.92%	MN537550.1
189	<i>Klebsiella pneumoniae</i>	1358	1358	94%	0	84.08%	LC427681.1
190	<i>Fusobacterium mortiferum</i>	1655	1655	88%	0	93.04%	MN537550.1
191	Unknown						
192	<i>Fusobacterium mortiferum</i>	2154	2154	93%	0	99.00%	MN537550.1
193	<i>Fusobacterium mortiferum</i>	2167	17326	98%	0	96.61%	CP028102.1
194	<i>Fusobacterium mortiferum</i>	2198	2198	99%	0	97.65%	MN537550.1
195	<i>Fusobacterium mortiferum</i>	1762	1762	90%	0	94.68%	MN537550.1
196	<i>Fusobacterium mortiferum</i>	2194	2194	97%	0	97.42%	MN537550.1

197	<i>Fusobacterium mortiferum</i>	2233	2233	97%	0	97.82%	LT574675.1
198	<i>Fusobacterium mortiferum</i>	2172	2172	94%	0	98.37%	MN537550.1
199	<i>Enterobacter sp.</i>	2152	16990	95%	0	98.44%	CP034336.1 CP026975.1
200	<i>Fusobacterium mortiferum</i>	2213	2213	98%	0	97.74%	MN537550.1
201	<i>Bacteroides fragilis</i>	2254	13524	98%	0	98.06%	CP036555.1
Control	<i>Bacteroides fragilis</i>						
Control	<i>Parabacteroides distasonis</i>						
Control	<i>Escherichia coli</i>						
Control	<i>Klebsiella pneumoniae</i>						

Table S1. The results of the first stage of research. Continued

No strain	Presence of bfr	Merium						
		0	1	2	3	4	5	6
1	0	1	~	1	1	~	0	~
2	1	1	1	1	1	1	1	1
3	0	1	1	1	1	1	1	1
4	0	1	1	1	1	1	0	1
5	0	0	0	~	~	0	0	~
6	0	1	1	1	1	~	1	1
7	0	1	1	1	1	~	1	1
8	0	1	1	0	0	0	0	0
9	0	1	1	1	1	~	~	1
10	1	1	1	0	~	0	0	0
11	0	1	0	1	1	~	0	~
12	0	1	1	1	1	1	1	1
13	0	1	~	1	1	~	1	~
14	0	1	1	~	1	~	1	~
15	0	1	0	~	~	0	0	0
16	0	1	1	1	1	~	1	1
17	0	1	0	1	1	~	~	1
18	0	1	0	1	1	~	0	1
19	0	1	1	1	1	0	1	1
20	0	0	0	0	0	0	0	0
21	0	0	~	0	1	1	1	~
22	0	0	~	0	1	~	1	~
23	0	1	1	1	1	0	1	1
24	0	1	1	1	1	0	1	1
25	0	1	1	1	1	1	1	1
26	0	1	1	1	1	1	1	1
27	0	1	1	1	1	1	1	1
28	0	1	~	~	1	~	~	1
29	0	1	1	1	1	1	1	1
30	0	1	1	0	1	0	0	1
31	0	1	1	1	1	1	1	1
32	0	1	1	1	1	1	1	1
33	0	1	1	1	1	1	1	1
34	1	1	1	1	1	1	1	1
35	0	1	1	1	1	1	1	1
36	0	1	1	~	1	1	1	1
37	0	1	1	1	1	1	1	1
38	0	1	1	1	1	1	1	1
39	1	1	1	1	1	1	1	1
40	0	1	1	1	1	1	1	1
41	0	1	~	~	1	1	1	1
42	0	1	1	1	1	1	1	1
43	1	1	1	1	1	1	1	1
44	0	1	1	1	1	1	1	1
45	1	1	1	1	1	1	~	1
46	0	1	1	1	1	1	~	1
47	0	1	~	1	1	~	~	1
48	0	1	~	1	1	1	~	1
49	0	1	~	~	1	~	~	1
50	0	1	1	1	1	1	1	1
51	0	1	1	1	1	1	1	1
52	0	~	~	1	1	~	0	1
53	0	1	1	1	1	1	1	1
54	0	1	1	1	1	1	1	1
55	0	1	1	1	1	1	1	1
56	0	1	1	1	1	1	1	1
57	0	1	1	1	1	1	1	1
58	0	1	1	1	1	1	1	1
59	0	1	1	1	1	1	1	1
60	0	1	1	1	1	1	1	1
61	0	1	1	1	1	1	1	1
62	0	1	~	1	1	~	~	1
63	0	1	~	1	1	~	~	1
64	0	1	1	1	1	1	1	1
65	0	1	1	~	~	1	0	1
66	0	0	0	0	0	0	0	0
67	0	1	1	1	1	1	0	1
68	0	0	0	0	0	0	0	0
69	0	1	1	1	1	0	0	1
70	0	1	1	1	1	1	0	1
71	0	1	1	1	1	1	1	1
72	0	1	1	1	1	1	1	1
73	0	1	1	1	1	1	1	1
74	0	1	1	1	1	1	1	1
75	0	~	1	1	~	0	0	1
76	0	1	~	1	1	1	1	1
77	0	1	1	1	1	1	1	1
78	0	1	1	1	1	1	1	1
79	0	1	1	1	1	1	1	1
80	0	1	1	1	1	1	1	1
81	0	1	1	1	1	1	1	1
82	0	1	1	1	1	1	1	1
83	0	1	~	1	1	1	1	1
84	0	1	~	1	1	~	0	1
85	0	1	~	1	1	~	0	1
86	0	1	~	1	1	1	0	1
87	0	1	1	1	1	1	1	1
88	0	~	~	1	~	0	0	1
89	0	1	1	1	1	0	1	1
90	0	1	~	1	1	0	1	1
91	0	1	1	1	1	0	~	1
92	0	1	1	1	1	~	1	1
93	0	1	~	1	1	0	0	1
94	0	~	~	1	1	0	~	~
95	0	1	1	~	1	~	0	1
96	0	1	~	~	1	~	1	1

97	0	1	~	1	1	1	1	1
98	1	~	1	1	1	1	1	1
99	1	1	1	1	1	~	1	1
100	0	~	1	1	1	1	0	1
101	0	1	0	0	1	0	1	1
102	0	1	1	1	1	~	0	1
103	1	0	1	1	0	0	1	1
104	0	1	1	1	1	1	1	1
105	0	1	1	1	1	1	1	1
106	1	1	1	1	1	1	1	1
107	0	1	1	1	1	~	1	1
108	0	1	0	1	1	~	0	1
109	0	1	1	1	1	1	1	1
110	0	1	1	~	1	1	1	1
111	0	1	1	1	1	1	1	1
112	0	1	1	1	1	1	1	1
113	0	1	1	1	1	1	1	1
114	0	1	0	0	1	0	0	0
115	0	1	0	0	1	0	0	0
116	1	1	~	1	1	~	0	~
117	0	1	1	1	1	1	~	~
118	0	1	0	0	1	0	0	0
119	0	0	0	0	0	0	0	0
120	0	1	1	1	1	1	1	1
121	0	1	0	~	1	~	0	~
122	0	1	1	1	1	1	0	~
123	1	1	1	1	1	1	~	1
124	1	1	1	1	1	1	1	1
125	0	1	1	1	1	1	1	1
126	0	1	1	1	1	1	1	1
127	0	1	1	1	1	1	0	~
128	0	~	1	1	1	~	0	~
129	1	1	1	1	1	1	0	1
130	0	1	1	1	1	0	0	1
131	0	1	0	1	1	0	1	1
132	0	1	0	1	~	~	1	1
133	0	1	~	0	~	0	1	1
134	0	~	~	1	1	0	~	1
135	1	1	1	1	1	1	1	1
136	1	1	0	1	1	0	0	1
137	0	1	1	1	1	1	1	1
138	1	0	0	0	0	0	0	0
139	0	1	1	1	1	1	0	1
140	1	~	1	1	1	0	0	1
141	0	1	1	1	1	1	1	1
142	0	1	1	1	1	1	1	1
143	0	1	1	1	1	1	1	1
144	1	1	1	1	1	1	1	1
145	0	1	1	1	1	1	1	1
146	0	1	~	1	1	0	0	1
147	0	1	1	1	1	1	1	1
148	1	1	1	1	1	1	1	1
149	0	1	1	1	1	1	1	1
150	0	1	1	1	1	1	1	1
151	0	1	1	1	1	1	1	1
152	1	1	~	1	1	1	0	0
153	0	1	~	1	1	0	1	~
154	1	1	~	0	~	1	~	~
155	1	1	~	0	~	1	~	~
156	1	1	~	0	~	1	~	~
157	1	1	~	0	~	0	~	~
158	0	1	1	1	1	1	0	1
159	1	1	~	0	~	0	~	0
160	0	1	1	1	1	1	1	1
161	1	1	1	1	~	1	0	0
162	1	1	1	1	1	1	1	1
163	0	~	~	~	~	1	0	1
164	0	1	1	1	1	~	1	1
165	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0
167	0	1	1	~	1	1	1	1
168	0	1	1	1	1	1	1	1
169	0	1	~	1	1	1	0	~
170	0	1	1	1	1	1	1	1
171	0	1	1	1	1	1	1	1
172	0	~	~	~	~	0	0	~
173	0	1	~	~	~	0	1	0
174	0	0	0	0	0	0	~	0
175	1	1	~	1	1	1	0	~
176	1	1	~	~	~	0	0	0
177	1	~	1	~	~	1	~	~
178	1	0	~	0	0	0	~	0
179	1	0	~	0	1	1	1	1
180	1	~	1	1	1	1	1	1
181	1	~	1	1	1	1	1	1
182	1	0	0	0	0	0	0	0
183	0	~	~	0	1	1	1	1
184	1	0	0	~	0	0	0	0
185	1	0	1	~	0	0	~	0
186	0	~	1	1	1	1	1	1
187	1	0	1	1	0	0	0	0
188	0	1	~	1	1	~	0	1
189	0	1	1	1	1	1	1	1
190	0	1	~	1	~	~	0	1
191	0	~	~	1	~	~	0	1
192	0	~	~	~	~	~	0	1
193	0	1	1	1	1	~	0	1
194	0	1	~	1	1	~	0	1
195	0	1	~	1	1	~	0	1
196	0	1	~	1	1	~	0	1

197	0	1	~	1	1	~	0	1
198	0	1	1	1	1	~	0	1
199	0	1	1	1	1	1	1	1
200	0	1	1	1	1	1	1	1
201	1	1	1	1	1	1	~	1
Control	1	1	1	1	1	1	~	1
Control	1	1	1	1	1	1	0	1
Control	0	~	~	~	~	~	1	~
Control	0	1	~	1	1	0	1	1

Growth of isolates on medium:  
normal growth      1  
inhibited            ~  
no growth            0



Table S3. The results of the third stage of research

No strain	Strain identification							Presence of <i>bfr</i> gene*
	Identification results	Max Score	Total Score	Query Cover	E value	Per. Ident	Accession	
1	<i>Klebsiella pneumoniae</i>	2054	2054	98%	0	98.37%	MK386776.1	0
2	<i>Klebsiella pneumoniae</i>	2021	2021	98%	0	97.85%	MT225793.1	0
3	<i>Parabacteroides distasonis</i>	1622	11191	96%	0	91.57%	CP050956.1	1
4	<i>Providencia vermicola</i>	2124	2124	98%	0	98.98%	KX495211.1	0
5	<i>Bacteroides thetaiotaomicron</i>	1842	9072	94%	0	95.87%	AP022660.1	1
6	<i>Bacteroides koreensis</i>	1469	1469	97%	0	85.95%	NR_159117.1	1
7	<i>Bacteroides fragilis</i>	2097	12510	97%	0	99.14%	CP012706.1	1
8	<i>Enterococcus faecium</i>	2060	2060	94%	0	97.87%	JX275805.1	0
9	<i>Bacteroides fragilis</i>	2145	2145	97%	0	98.59%	KP944140.1	1
10	-							1
11	<i>Bacteroides ovatus</i>	1932	1932	95%	0	96.11%	MT902975.1	1
12	<i>Bacteroides fragilis</i>	1674	1674	91%	0	93.56%	MT268985.1	1
13	<i>Bacteroides vulgatus</i>	2143	2143	97%	0	98.99%	JN084208.2	1
14	<i>Bacteroides dorei</i>	1711	1711	80%	0	97.93%	MT464306.1	1
15	<i>Parabacteroides distasonis</i>	2106	2106	97%	0	97.07%	MK696408.1	1
16	<i>Parabacteroides distasonis</i>	1882	1882	97%	0	95.05%	MK696408.1	1
17	<i>Erysipelatoclostridium ramosum</i>	2154	2154	95%	0	98.52%	MN913787.1	0
18	<i>Erysipelatoclostridium ramosum</i>	2163	2163	97%	0	98.29%	MN913787.1	0
19	<i>Enterococcus faecalis</i>	2132	2132	97%	0	99.32%	MT611645.1	1
20	<i>Bacteroides dorei</i>	2156	2156	96%	0	99.16%	MT464394.1	1
21	<i>Erysipelatoclostridium ramosum</i>	2145	2145	97%	0	99.08%	MN913787.1	0
22	<i>Enterococcus faecalis</i>	2132	2132	97%	0	99.32%	MT611645.1	1
23	<i>Enterococcus faecalis</i>	2158	2158	97%	0	98.99%	MT544954.1	0
24	<i>Enterococcus faecalis</i>	2170	2170	95%	0	99.33%	MG188317.1	0
25	<i>Amedibacillus dolichus</i>	1886	1886	96%	0	97.90%	MN567556.1	1
26	<i>Bacteroides dorei</i>	1077	1077	74%	0	87.36%	MT464394.1	1
27	<i>Enterococcus sp.</i>	1482	1482	75%	0	94.96%	MH111646.1	0
28	<i>Enterococcus faecalis</i>	887	887	89%	0	89.22%	MH385354.1	0
29	<i>Enterococcus faecium</i>	1975	1975	98%	0	97.42%	MN474019.1	0
30	<i>Enterococcus faecalis</i>	1940	1940	97%	0	96.52%	MG694616.1	0
31	<i>Enterococcus faecalis</i>	2194	2194	98%	0	99.75%	MT611694.1	0
32	<i>Enterococcus faecalis</i>	2176	2176	96%	0	99.41%	MT611694.1	0
33	<i>Enterococcus faecium</i>	2128	2128	94%	0	97.80%	MT544955.1	0
34	<i>Bacteroides sp.</i>	1751	1751	93%	0	94.20%	NR_159117.1	1
35	<i>Enterococcus faecalis</i>	1908	1908	97%	0	98.51%	KY962905.1	0
36	<i>Enterococcus faecium</i>	2154	2154	96%	0	99.16%	MT573567.1	0
37	<i>Bacteroides eggerthii</i>	2097	2097	98%	0	99.14%	MN537524.1	1
38	<i>Bacteroides fragilis</i>	2047	12283	98%	0	98.20%	CP036555.1	1
39	<i>Bacteroides uniformis</i>	1661	1661	79%	0	97.58%	KP944145.1	1
40	<i>Dysgonomonas sp.</i>	2132	2132	97%	0	99.66%	MW175551.1	0
41	<i>Bacteroides sp.</i>	2156	2156	98%	0	97.81%	NR_113065.1	1
42	<i>Bacteroides stercoris</i>	2049	2049	96%	0	98.11%	LC515591.1	1
43	<i>Dysgonomonas sp.</i>	2134	2134	97%	0	98.82%	MN646999.1	0
44	<i>Dysgonomonas sp.</i>	2146	2146	97%	0	98.75%	MN646999.1	0
45	<i>Bacteroides sp.</i>	2141	2141	98%	0	98.83%	EU728710.1	1
46	<i>Bacteroides sp.</i>	2167	2167	98%	0	98.13%	EU728710.1	1
47	<i>Dysgonomonas sp.</i>	2082	2082	96%	0	98.71%	NR_113135.1	0
48	<i>Bacteroides stercoris</i>	536	536	96%	3.00E-148	93.93%	AB714304.1	1
49	<i>Dysgonomonas sp.</i>	2178	2178	97%	0	99.09%	MN646999.1	0
50	<i>Bacteroides sp.</i>	1989	1989	98%	0	97.38%	NR_113065.1	1
51	<i>Bacteroides sp.</i>	2122	2122	97%	0	97.64%	NR_112893.1	1

\*Presence of *bfr* gene:

- 0 absence  
1 presence