

**Table S2.** Profiles of mobile genetic elements and virulence genes in probiotic enterococcal isolates used for different application targets

Risk factors		Application targets		
Mobile genetic elements	Human (9)	Companion animal (15)	Livestock (50)	Aquaculture (14)
IS1485	100% (9)	100% (15)	94% (47)	26% (13)
IS1216V	88.89% (8)	40% (6)	30% (15)	18% (9)
IS1542	55.56% (5)	93.33% (14)	80% (40)	8% (4)
Tn1546	66.67% (6)	33.33% (5)	26% (13)	18% (9)
pS177	88.89% (8)	40% (6)	25% (15)	18% (9)
pEF418	66.67% (6)	33.33% (5)	26% (13)	16% (8)
pNB2354p1	55.56% (5)	40% (6)	28% (14)	18% (9)
pNB18	55.56% (5)	66.67% (10)	62% (31)	8% (4)
pGL	22.22% (2)	60% (9)	68% (34)	6% (3)
pCIZ2	22.22% (2)	60% (9)	70% (35)	6% (3)
Virulence genes	Human (9)	Companion animal (15)	Livestock (50)	Aquaculture (14)
ace/acm	100% (9)	100% (15)	100% (50)	100% (14)
cad	100% (9)	100% (15)	100% (50)	100% (14)
ebp	100% (9)	93.33% (14)	98% (49)	100% (14)
efaA	100% (9)	100% (15)	100% (50)	100% (14)
srt	100% (9)	86.67% (13)	98% (49)	100% (14)
scm	44.44% (4)	33.33% (5)	12% (6)	0% (0)
sgrA	22.22% (2)	60% (9)	86% (43)	100% (14)
bopD	66.67% (6)	100% (15)	100% (50)	100% (14)
Gls24	77.78% (7)	93.33% (14)	100% (50)	100% (14)
mreC	66.67% (6)	100% (15)	100% (50)	100% (14)
prpA	66.67% (6)	100% (15)	100% (50)	100% (14)