

Table 2S. Allelic profiles of the 16 bovine *C. pecorum* used in this study

Isolate ID.	Host	Country	Pathology	ST	gatA	oppA	hflX	gidA	enoA	hemN	fumC
66P130	Bovine	USA	Subclinical (feces)	49	21	20	21	23	19	8	9
BE53	Bovine	England	Subclinical (feces)	61	21	12	26	23	20	8	20
E58	Bovine	USA	Encephalomyelitis	23	9	12	10	12	12	8	9
FC-Stra	Bovine	USA	Conjunctivitis	48	20	12	20	22	18	17	9
L14	Bovine	USA	Pneumonia	48	20	12	20	22	18	17	9
LW623	Bovine	USA	Arthritis	48	20	12	20	22	18	17	9
NSW/Bov/SBE	Bovine	AUS	Encephalomyelitis	23	9	12	10	12	12	8	9
SBE	Bovine	England	Encephalomyelitis	23	9	12	10	12	12	8	9
PV3056/3	Bovine	Italy	Metritis	Novel ST	31	12	10*	24	20****	17	20
WA/B31/Ileal	Bovine	AUS	SBE	Novel ST	21	12	10*	12	20*****	8	20
WA/B31/Liver	Bovine	AUS	SBE	23	9	12	10	12	12	8	9
WA/B31/Lung	Bovine	AUS	SBE	23	9	12	10	12	12	8	9
WA/B65/Brain	Bovine	AUS	SBE	23	9	12	10	12	12	8	9
WA/B65/Heart	Bovine	AUS	SBE	23	9	12	10	12	12	8	9
WA/B65/Liver	Bovine	AUS	SBE	23	9	12	10	12	12	8	9
WA/B65/Lung	Bovine	AUS	SBE	23	9	12	10	12	12	8	9

*: denotes single nucleotide; ***: three nucleotides and *****: four nucleotides change to the reference allele.