

Table S3:
The comparison of isolated bacteria and microbiota.

Symptom	Sample	Tissue	The isolated bacterium	Microbiota (Genus level)
Downer cattle	19B12	Cerebellum	<i>Carnobacterium divergens</i>	<i>Carnobacterium</i> (6.5%)
	19B15	Cerebellum	<i>Carnobacterium divergens</i>	<i>Carnobacterium</i> (59.4%)
	19B28	Cerebellum	<i>Carnobacterium divergens</i>	<i>Carnobacterium</i> (2.35%)
	19B35	Forebrain, Midbrain, Hindbrain, Cerebellum, Brainstem	<i>Trueperella pyogenes</i>	<i>Trueperell</i> (0.29%)
	19B39	Forebrain, Midbrain	<i>Carnobacterium maltaromaticum</i>	<i>Carnobacterium</i> (1.9%)
	19B41	Forebrain, Midbrain, Hindbrain, Cerebellum	<i>Carnobacterium divergens</i> <i>Carnobacterium maltaromaticum</i> <i>Enterococcus faecalis</i>	<i>Carnobacterium</i> (5.64%) <i>Enterococcus</i> (7%)
	19B42	Forebrain, Midbrain	<i>Carnobacterium maltaromaticum</i> <i>Enterococcus faecalis</i> <i>Carnobacterium divergens</i> <i>Lactococcus garvieae</i>	<i>Carnobacterium</i> (3.9%) <i>Enterococcus</i> (3.0%) <i>Lactococcus</i> (0.01%)