

**Table S3.** Representative *R. equi* isolates used in this study. Genome assemblies previously reported in ref. (34).

PAM no. <sup>a</sup>	Original designation / public repository number	Source	Origin	pVAP type <sup>b</sup>	Accession nos.	Reference
1126	103S <sup>c</sup> (NCTC 13926, DSM 104936)	Horse	Canada	A	FN563149 RefSeq NC_014659.1, GCA_000196695.1	Letek et al., 2010 (21)
2298	DSM 20307 <sup>T d</sup> (ATCC 6939 <sup>T</sup> , NCTC 1621 <sup>T</sup> )	Horse	Sweden	(-)	LWTX00000000	Anastasi et al., 2016 (34)
—	ATCC 33707 <sup>e</sup>	Human	Canada	(-)	RefSeq NZ_CM001149.1, GCA_000164155.2	-
1271	ATCC 33701 <sup>f</sup>	Horse	Canada	A	LWIC00000000	Anastasi et al., 2016 (34)
1204		Sheep	Canada	N	LWBN00000000	Anastasi et al., 2016 (34)
1216		Horse	Mexico	A	LWHS00000000	Anastasi et al., 2016 (34)
1340		Horse	France	A	LWHT00000000	Anastasi et al., 2016 (34)
1354		Human	Japan	N	LWHU00000000	Anastasi et al., 2016 (34)
1357		Horse	France	A	LWHV00000000	Anastasi et al., 2016 (34)
1413		Human	Hungary	B	LWHW00000000	Anastasi et al., 2016 (34)
1422		Horse	Hungary	A	LWHX00000000	Anastasi et al., 2016 (34)
1475		Pig	Hungary	B	LWHY00000000	Anastasi et al., 2016 (34)
1496		Pig	Hungary	(-) <sup>g</sup>	LWHZ00000000	Anastasi et al., 2016 (34)
1533		Pig	Slovenia	B	LWIA00000000	Anastasi et al., 2016 (34)
1557		Bovine	Ireland	N	LWIB00000000	Anastasi et al., 2016 (34)
1572		Bovine	Ireland	N	LXFI00000000	Anastasi et al., 2016 (34)
1600		Horse	Australia	A	LXFG00000000	Anastasi et al., 2016 (34)
1637		Horse	Australia	A	LWHR00000000	Anastasi et al., 2016 (34)
1643		Horse	Netherlands	A	LWTP00000000	Anastasi et al., 2016 (34)
2012		Bovine	Germany	N	LWTY00000000	Anastasi et al., 2016 (34)
1571		Bovine	Ireland	N	LWTO00000000	Anastasi et al., 2016 (34)
1593		Human	Spain	B	LXFH00000000	Anastasi et al., 2016 (34)

**Footnotes to Table S3.**

<sup>a</sup> JV-B laboratory isolate collection.

<sup>b</sup> Virulence plasmid type: A, equine-associated pVAPA; B, swine-associated pVAPB; N, ruminant-associated pVAPN; (-) no virulence plasmid. See ref. (9).

<sup>c</sup> Low passage clone of J.F. Prescott's strain 103 used to determine the complete (reference) genome sequence of *R. equi*. See ref. (21).

<sup>d</sup> Type strain of *R. equi* from German DSMZ culture collection. Other designations: ATCC 6939<sup>T</sup>, ATCC 25729<sup>T</sup>, CIP 53.72<sup>T</sup>, NCTC 1621<sup>T</sup>, NBRC 14956<sup>T</sup>, NBRC 101255<sup>T</sup>, NRRL B-16538<sup>T</sup>, CCT 0541<sup>T</sup>.

<sup>e</sup> Also known as J.F Prescott's isolate 80, draft genome determined by the Human Microbiome project.

<sup>f</sup> Widely used together with strain103/103S as model strain in *R. equi* studies.

<sup>g</sup> Originally positive to pVAPB when tested at the time of inclusion in our laboratory PAM isolate collection.