

Additional file 4 Genomic sequence of the *gap* gene and sequence similarity data for the *S. ruminantium* isolate n° 2622.

TCCGAATTGAGATACCCACGATGTTCTGAAGATACAAGTGGATCTTCAGTGTAACCGAATGATTCAGTAGCAGCAGTTTTTCATAGCAGCGTTTACTTCTTCAGCAGTTACTTTCTTATCAAGAGTCGCAACCAATTCAGTTACAGAACCTGTTGGAACCTGGAACACGTTGTGCGGCACCATCAAGTTTACCATTCAATTCTGGGATTACCAAACCGATAGCTTTAGCTGCACCAGTTGAGTTAGGAACGATGTTTGCTGCAGCAGCACGAGCACGACGAAAGGTCACCACCACGGTGTGGTCCGTCGAAGAACCATTGGTCAACCAGTGTAACCGTGGATTGTAGTCATCAAACCTTTTTGAACGCCAAACGCATCGTGAAGAGCTTTTAGCCATTGGTGCCAAACAGTTTGTAGTACATGAAGCACCTGAGATAACTGTTTCAGTACCGTCAAGGATGTCATGGTTAGTGTTGAAAACAACCTGTCTTCACATCGTTACCACCAGGAGCAGTGATAACAACCTTTCTTAGCACCGTTAGCGTGAATGTGTTGCTCAGCTTTTTCTTTAGAAAGCAAAGAAACCTGTTTGCTTCCAAAACAATATCTACGCCCATCAGTTAGCCCAGTTCAATGTTTTCTGGGCTCACGCTCAGCAGAAACTTTTAACGAATTTACCCGTAACTTCAAAAACCACCCGTCTTTAACTTACAACCAGTACCCATCGAAAACGACCCTTTGA

☒ select all 100 sequences selected

[GenBank](#)

[Graphics](#)

[Distance tree of results](#)

[MSA Viewer](#)

	Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accession
☒	Streptococcus sp. DAT741 chromosome, complete genome	Streptococcus sp. DAT741	1212	1212	99%	0.0	96.99%	2105284	CP019557.1
☒	Streptococcus ruminantium GUT-189 DNA, complete genome	Streptococcus ruminantium	1212	1212	99%	0.0	96.99%	2081190	AP025333.1
☒	Streptococcus ruminantium GUT-183 DNA, complete genome	Streptococcus ruminantium	1212	1212	99%	0.0	96.99%	2175328	AP025331.1
☒	Streptococcus ruminantium GUT187T DNA, complete genome	Streptococcus ruminantium	1206	1206	99%	0.0	96.86%	2090539	AP018400.1
☒	Streptococcus ruminantium GUT-184 DNA, complete genome	Streptococcus ruminantium	1206	1206	99%	0.0	96.86%	2115310	AP025332.1
☒	Streptococcus suis strain NCTC10237 genome assembly, chromosome: 1	Streptococcus suis	1079	1079	99%	0.0	93.72%	2070644	LR594043.1
☒	Streptococcus suis strain 1081 chromosome, complete genome	Streptococcus suis	1079	1079	99%	0.0	93.72%	2228089	CP017667.1
☒	Streptococcus suis strain 0061 chromosome, complete genome	Streptococcus suis	1079	1079	99%	0.0	93.72%	2138420	CP017666.1
☒	Streptococcus suis ST1, complete genome	Streptococcus suis ST1	1079	1079	99%	0.0	93.72%	2034321	CP002651.1
☒	Streptococcus suis strain HN105 chromosome, complete genome	Streptococcus suis	1074	1074	99%	0.0	93.58%	2196724	CP029398.1
☒	Streptococcus suis strain M105052_S26 chromosome, complete genome	Streptococcus suis	1074	1074	99%	0.0	93.58%	2411696	CP102136.1