

**Table S2.** List of animal hosts cultured to detect *Sarcina*-like bacteria. Due to the large species and breed variability, there is a more detailed list of monkey and dog samples.

ANIMAL HOST		
Primate sample	Primate species	<i>Sarcina</i> spp.
PR1	Common marmoset	X
PR2	Common marmoset	✓
PR3	White-faced saki	X
PR4	Emperor tamarin	X
PR5	Moustached tamarin	X
PR6	Brown-mantled tamarin	X
PR7	Red-handed tamarin	X
PR8	Red-handed tamarin	X
PR9	Emperor tamarin	X
PR10	Silvery marmoset	X
PR11	Silvery marmoset	X
PR15	Silvery marmoset	X
PR16	Emperor tamarin	X
PR17	Emperor tamarin	X
PR18	Chimpanzee	X
PR19	Northern white-cheeked gibbon	X
PR20	Golden-bellied mangabey	X
PR21	Diana monkey	X
PR22	Lion-tailed macaque	X
PR23	Hamadryas baboon	X
PR24	Pygmy marmoset	X
PR26	Cotton-top tamarin	X
PR27	Golden lion tamarin	X
PR28	Common marmoset	X
PR29	Patas monkey	✓
PR30	Goeldi's marmoset	X
PR31	White-headed marmoset	X
PR32	White-headed marmoset	X
PR33	Moustached tamarin	X
PR34	Patas monkey	X
PR35	Silvery marmoset	X
PR36	Campbell's Mona monkey	✓
PR37	Putty-nosed monkey	✓
PR38	Northern Talapoin monkey	✓
PR39	De Brazza's monkey	✓
PR40	Northern white-cheeked gibbon	✓
PR41	Chimpanzee	X
PR42	Chimpanzee	X
PR43	Chimpanzee	X
PR44	Chimpanzee	X

PR45	Patas monkey	✓
PR46	Yellow-cheeked crested gibbon	✓
PR47	Yellow-cheeked crested gibbon	✓
PR51	Yellow-cheeked crested gibbon	✓
PR52	Vervet monkey	✓
PR55	Hamlyn's monkey	✓
PR56	Roloway monkey	✓
PR57	Lesser spot-nosed monkey	✓
PR58	Yellow-cheeked crested gibbon	×
PR59	Northern white-cheeked gibbon	✓
PR60	Northern white-cheeked gibbon	✓
PR61	Golden lion tamarin	×
PR12	Ring-tailed lemur	✓
PR13	Ring-tailed lemur	✓
PR14	Ring-tailed lemur	✓
PR48	Ring-tailed lemur	✓
SIAM1-PR62	Gibbon siamang	✓
SIAM2-PR63	Gibbon siamang	✓
SIAM3-PR64	Gibbon siamang	✓
GLT-A	Golden lion tamarin	×
GLT-B	Golden lion tamarin	×
GLT-C	Golden lion tamarin	×
GLT-D	Golden lion tamarin	✓
GLT-E	Golden lion tamarin	×
GLT-F	Golden lion tamarin	×

Dog sample	Dog breed	Sarcina spp.
VB1	German shepherd dog	×
VB2	German shepherd dog	×
VB3	German shepherd dog	×
VB4	Golden retriever	×
VB5	Samoyed	×
VB6	German shepherd dog	×
VB7	German shepherd dog	×
VB8	German shepherd dog	×
VB9	German shepherd dog	×
VB10	Czechoslovakian wolfdog	×
VB11	Crossbreed dog	×
VB12	German shepherd dog	×
VB13	Swiss shepherd	×
VB14	German shepherd dog	×
VB15	Labrador retriever	×
VB16	Foxterier	×
VB17	Belgian shepherd	×
VB18	Czechoslovakian wolfdog	×
VB19	Swiss shepherd	×
VB20	Crossbreed dog	×

VB21	Crossbreed dog	X
VB22	German shepherd dog	X
VB23	German shepherd dog	X
VB24	Belgian shepherd	X
VB25	Havanese	X
VB26	Havanese	X
VB27	Havanese	X
VB28	Crossbreed dog	X
VB29	Crossbreed dog	X
VB30	Crossbreed dog	X
VB31	Crossbreed dog	X
VB32	Golden retriever	X
VB33	German shepherd dog	X
VB34	German shepherd dog	X
VB35	German shepherd dog	X
VB36	German shepherd dog	X
VB37	German shepherd dog	X
VB38	German shepherd dog	X
VB39	German shepherd dog	X
VB40	German shepherd dog	X
VB41	German shepherd dog	X
VB42	German shepherd dog	X
VB43	German shepherd dog	X
VB44	German shepherd dog	X
VB45	German shepherd dog	X
VB46	German shepherd dog	X
VB47	German shepherd dog	X
VB48	German shepherd dog	X
VB49	German shepherd dog	X
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KK1	Border collie	X
KK2	Border collie	X
KK3	Border collie	X
KK4	Border collie	X
KK5	Border collie	X
KK6	Border collie	X
KK7	Border collie	X
KK8	Cavalier king Charles spaniel	X
KK9	Border collie	X
KK10	Border collie	X
KK11	Not known	X
KK12	Border collie	X
KK13	American staffordshire terrier	✓
KK14	Crossbreed dog	X
KK15	Crossbreed dog	X
KK16	Crossbreed dog	X
KK17	Whippet	X

KK18	Basenji	X
KK19	Crossbreed dog	X
KK20	Crossbreed dog	X
KK21	Border collie	X
<b>Elephant sample</b>	<b>Species</b>	<b>Sarcina spp.</b>
S1-8 ( <i>n</i> =8)	Asian elephant	✓
K, D ( <i>n</i> =2)	Asian elephant	✓
<b>Rhinoceros sample</b>	<b>Species</b>	<b>Sarcina spp.</b>
RH1-2 ( <i>n</i> =2)	Eastern black rhinoceros	✓
<b>Calf sample</b>	<b>Breed</b>	<b>Sarcina spp.</b>
CA ( <i>n</i> =48)	Holstein-Friesian calf	X
CA ( <i>n</i> =2)	Holstein-Friesian calf	✓

Footnotes: ✓ - detected, X- not detected, PR1-48 – primate samples [17], other PR & GLT (unpublished data), VB – dog samples [23], KK – dog samples (unpublished data), S – elephant samples (unpublished data, Zoo Liberec), K, D – elephant samples (unpublished, Zoo Ústí nad Labem), RH – rhinoceros sample (unpublished, Safari park Dvůr Králové), CA – calf samples (unpublished, farm Vražkov).