

## Supplementary Material

**Table 1 Supplemental Data 1.** Phage-origin peptides identified in *Streptococcus* spp. strains.

Strain	Protein	Peptide	100% bacteria homology with protein NCBI database	100% phage homology with protein NCBI database
ST1_ATCC 19436	Gp58-like protein	M*SSAESAITQNATEISK	<i>Streptococcus suis</i>	<i>Streptococcus</i> phage phi30c
ST1_ATCC 19436	RecT protein	NSSSGNLLSQC*TDESVYISLLDM*VAQGLSPAK K	<i>Streptococcus agalactiae</i>	<i>Streptococcus</i> phage LYGO9
ST1_ATCC 19436	Tape measure protein	LNSTFRLQESQLGSNASESEK	<i>Streptococcus pyogenes</i> <i>Streptococcus gordonii</i>	<i>Streptococcus</i> phage phi1207.3
ST1_ATCC 19436	Phage head protein	WSGDNYSGRWDNTGELAR	<i>Streptococcus anginosus</i> <i>Streptococcus intermedius</i>	
ST1_ATCC 19436	Phage head protein	LSM*AENGFTM*FDIPEPKAC*DICK	<i>Streptococcus pyogenes</i> <i>Streptococcus dysgalactiae</i>	
ST1_ATCC 19436	Phage tail protein	SNDLGLLLERERSIK	<i>Streptococcus pyogenes</i> <i>Streptococcus equi subsp. equi</i> <i>Streptococcus dysgalactiae</i>	

ST1_ATCC 19436	Uncharacterized phage protein	RELVDKEDTQGLAIDAQFLYDC*K	<i>Streptococcus suis</i>	
ST1_ATCC 19436	Phage tail protein	RSVM*ELSYTLYLVKPSEEQLLSFLKLFLK	<i>Streptococcus suis</i>	<i>Streptococcus</i> phage phi-m46.1
ST1_ATCC 19436	Endopeptidase/ matrix- binding protein EbhB	ITTGHISAARIGAEAITADKLK	<i>Streptococcus suis</i>	<i>Streptococcus</i> phage phi-SsUD.1 <i>Streptococcus</i> phage phi-m46.1 <i>Streptococcus</i> phage phiSC070807
ST1_ATCC 19436	Phage minor structural protein GP20 family	LIDAE LTKAGVRDAEIFGK	<i>Streptococcus mitis</i>	
ST1_ATCC 19436	Uncharacterized phage protein	VKEKIAAIVNDEELLAK		<i>Streptococcus</i> phage P4761, <i>Streptococcus</i> phage 73, <i>Streptococcus</i> phage TP-J34, <i>Streptococcus</i> phage P7952
ST1_ATCC 19436	Uncharacterized phage protein	M*EKLIESLDNLIM*IVK	<i>Streptococcus pneumoniae</i>	<i>Streptococcus</i> phage IPP19
ST2_CECT 183T	Uncharacterized phage protein	TLITM*TEQIKNLTDDVK	<i>Streptococcus pyogenes</i>	<i>Streptococcus</i> phage 315.2, <i>Streptococcus</i> phage 315.6, <i>Streptococcus</i> phage 315.1
ST2_CECT 183T	Phage tail protein	LAFSGAGNAVDVLKNVFSLAWM*GIQDVVKVAK	<i>Streptococcus suis</i>	
ST2_CECT 183T	Phage envelope protein	AM*DGM*YEHINAFNYKAEDVIGVGKTK	<i>Streptococcus suis</i>	<i>Streptococcus</i> phage phiNJ2
ST2_CECT 183T	Minor phage structural protein	ISGITLSDTNVVAGNLISSEHFVQM*LSNIK		<i>Streptococcus</i> phage P7954, <i>Streptococcus</i> phage TP-J34
ST2_CECT 183T	Phage replication protein	TFKGINTNNINTNISINNK	<i>Streptococcus canis</i>	

ST2_CECT 183T	Phage-related chromosomal island protein	TWLDDAVSVDEAM*ALPENK	<i>Streptococcus pneumoniae</i>	
ST2_CECT 183T	Tail fiber pblA protein	M*ATNLGQAYVQIM*PSAK	<i>Streptococcus agalactiae</i>	
ST3_CECT 926	Head-tail connector protein	TEGGIEVVYGENGLSTGLLQRIRM*HR	<i>Streptococcus pneumoniae</i>	<i>Streptococcus</i> phage IPP69
ST3_CECT 926	Major tail protein	M*LANGITLSYGESKETYTKLVGLK	<i>Streptococcus pneumoniae</i>	<i>Streptococcus</i> phage phiARI0831b, <i>Streptococcus</i> phage phiARI0004, <i>Streptococcus</i> phage phiARI0746, <i>Streptococcus</i> phage IPP8
ST3_CECT 926	Phage tail assembly chaperone protein	LDDEAYDKLLDLNERTQEIAEK	<i>Streptococcus salivarius</i>	<i>Streptococcus</i> virus 7201
ST3_CECT 926	Phage integrase	TKPVTVYNDNK	<i>Streptococcus Parauberis</i> <i>Streptococcus agalactiae</i>	
ST3_CECT 926	Phage capsid protein	DDIKGSVELM*LSVWGVQKK	<i>Streptococcus pyogenes</i>	
ST3_CECT 926	Phage repressor, Cro/CI family	QASNLSQKDFFEKIVK	<i>Streptococcus suis</i>	
ST3_CECT 926	Phage-like HicB family antitoxin	NEDFEM*VYDSSKSFISM*VM*VDVAKYLGSQEP VK	<i>Streptococcus suis</i>	
ST4_DSM 6631	Phage GDSL-like family lipase/acylhydrolase	LSDKPKSYTEILNNIINSQK	<i>Streptococcus pneumoniae</i>	<i>Streptococcus</i> phage IPP24, <i>Streptococcus</i> phage IPP26

ST4_DSM 6631	Phage protein (DUF1372 domain)	DVVDGHYYVEVKPYGKFLVTK	<i>Streptococcus suis</i>	
ST4_DSM 6631	Phage tail protein	FQLALLNTTTTFAQYQC*SAYIDFEGQR	<i>Streptococcus thermophilus</i>	<i>Streptococcus</i> phage vB_SthS_VA460, <i>Streptococcus</i> phage P7953, <i>Streptococcus</i> phage P7952, <i>Streptococcus</i> phage P7954, <i>Streptococcus</i> phage P7951, <i>Streptococcus</i> virus phiAbc2, <i>Streptococcus</i> phage P7955, <i>Streptococcus</i> phage TP-J34, <i>Streptococcus</i> phage P4761
ST4_DSM 6631	Uncharacterized phage protein	DNVLIETVKM*QGEQAM*QLVK		<i>Streptococcus</i> phage 20617, <i>Streptococcus</i> phage P7152, <i>Streptococcus</i> phage P7134, <i>Streptococcus</i> virus 9871, <i>Streptococcus</i> phage P0091,
ST5_DSM 6632	Phage repressor, Cro/CI family	KERNLTQEEM*ADK	<i>Streptococcus suis</i> ,	<i>Streptococcus</i> phage phiLP081102
ST5_DSM 6632 and ST7_USC 3	Phage tail fiber PblB	DNFAISIKRNR	<i>Streptococcus mitis</i>  <i>Streptococcus pseudopneumoniae</i>  <i>Streptococcus pneumoniae</i>	<i>Streptococcus</i> phage SpSL1
ST5_DSM 6632	Uncharacterized phage protein	TTTELTTTHTVGDQKEM*VRM*NDR	<i>Streptococcus pneumoniae</i>  <i>Mycobacterium tuberculosis</i>	<i>Streptococcus</i> phage IPP16, <i>Streptococcus</i> phage K13, <i>Streptococcus</i> phage 34117
ST6_USC 1	Uncharacterized phage protein	TEQLPFANTNLK	<i>Streptococcus pyogenes</i>	
ST7_USC 3	Major capsid protein	KM*VEVGELEENPELGK	<i>Streptococcus suis</i>  <i>Streptococcus plurextorum</i>	

ST7_USC 3	DnaD and phage-associated domain-containing protein	IEEVKEEKISTSSQNSQNIK	<i>Streptococcus henryi</i>	
ST7_USC 3	Tape measure protein	VEIVQEKSNEVM*EK AIDAM*GR	<i>Streptococcus lutetiensis</i>	
			<i>Streptococcus equinus</i>	
ST7_USC 3	Phage integrase	TLAKGEDNKLIFQTPK	<i>Streptococcus mitis</i>	
			<i>Streptococcus pseudopneumoniae</i>	
			<i>Streptococcus infantis</i>	
			<i>Streptococcus oralis</i>	
			<i>Streptococcus parasanguinis</i>	
ST8_USC 5	Phage protein, HK97 Gp10 family protein	M*AIKWQGM*EKL VATISNAHPK	<i>Streptococcus suis</i>	
ST8_USC 5	Gp348 protein, Mayor capsid protein	QLGTKLSYITGASGQSVALK		<i>Streptococcus virus Sfi11</i>
ST8_USC 5	Phage integrase	QLFSELGSNSPRIVFSTPTK	<i>Streptococcus parauberis</i>	
ST8_USC 5	Uncharacterized phage protein	NKGENQKMALSTR	<i>Streptococcus suis</i> ,	<i>Streptococcus</i> phage phiZJ20091101-2

ST8_USC 5	Uncharacterized phage protein	YPNSFTAYIM*DVKGC*K	<i>Streptococcus thermophilus</i>	<i>Streptococcus</i> phage D1811, <i>Streptococcus</i> phage TP-778L, <i>Streptococcus</i> phage D5842, <i>Streptococcus</i> phage vB_SthS_VA460, <i>Streptococcus</i> phage P9902, <i>Streptococcus</i> phage P9852, <i>Streptococcus</i> phage P8922, <i>Streptococcus</i> phage P9851, <i>Streptococcus</i> phage P8921, <i>Streptococcus</i> phage P7152, <i>Streptococcus</i> phage P7154, <i>Streptococcus</i> phage P7151, <i>Streptococcus</i> phage P5652, <i>Streptococcus</i> phage P5651, <i>Streptococcus</i> phage P4761, <i>Streptococcus</i> phage P0095, <i>Streptococcus</i> phage P0093, <i>Streptococcus</i> phage P0091, <i>Streptococcus</i> phage P0092, <i>Streptococcus</i> virus 9874, <i>Streptococcus</i> virus DT1, <i>Streptococcus</i> virus 7201, <i>Streptococcus</i> virus phiAbc2.
ST9_USC 13	Prophage pi2 protein	M*DDLFDShSIFFDKVETYISTEK	<i>Streptococcus oralis</i> <i>Streptococcus mitis</i>	
ST9_USC 13	Uncharacterized phage protein	EVAKIRFEDNEYDVHTVK		<i>Streptococcus</i> phage phi5218
ST10_USC 52	Phage repressor, Cro/CI family	YPDRFIPFEDEPRIVGLVVGHFH*PVIGG	<i>Streptococcus salivarius</i> <i>Streptococcus sanguinis</i> <i>Streptococcus gordonii</i>	
ST10_USC 52 and ST14_USC 158	Gp58-like protein	HAQGDVGWNINSVTQRIVPANINAESEIWSK	<i>Streptococcus suis</i>	<i>Streptococcus</i> phage phi20c, <i>Streptococcus</i> phage phi7917

ST10_USC 52	Uncharacterized phage protein	AGNNEIVFIC*KC*IC*GNIIESYTSLLR	<i>Streptococcus parauberis</i>	
ST10_USC 52	Major tail protein	M*TVKGTALIGLKSVTIR	<i>Streptococcus pneumoniae</i>	<i>Streptococcus</i> phage IPP62
ST10_USC 52	Phage integrase family	RFLQQAIEKVIDSNGYITAK	<i>Streptococcus mitis</i>	
ST12_USC 83	Phage cytosine-specific methyltransferase	FLDLFAGIGGFRFGM*ESAGHEC*IGFC*EIDK	<i>Streptococcus pneumoniae</i> <i>Streptococcus oralis</i> ,	<i>Streptococcus</i> phage phiARI0746
ST12_USC 83	Phage endopeptidase	QKEFEETLRNLAIPPEAIK	<i>Streptococcus canis</i>	
ST12_USC 83	PBSX family phage terminase	LAQAQAEAGDQTAEAQVKAISEIIGKM*ENAVS	<i>Streptococcus oralis</i>	
ST12_USC 83	Uncharacterized protein phage phiARI0131-1	KDSVNGPAPIPAGTYPVVLKK	<i>Streptococcus pneumoniae</i>	<i>Streptococcus</i> phage phiARI0131-1
ST13_USC 84	PBSX family phage terminase	VGRSLKDSIFEDVK	<i>Streptococcus agalactiae</i> <i>Enterococcus faecalis</i>	
ST13_USC 84	Phage endopeptidase	LVLTPTKAKM*EAQTFNLSK	<i>Streptococcus equi subsp. equi</i> <i>Streptococcus equi subsp. zooepidemicus</i> <i>Streptococcus equi</i>	<i>Streptococcus</i> phage P9
ST13_USC 84	Head tail connector protein	RSQEM*SKAPIYAIYK	<i>Streptococcus pneumoniae</i> <i>Staphylococcus warneri</i> <i>Staphylococcus</i> spp.	Uncultured Caudovirales phage

ST13_USC 84	Phage tail tape-measure protein	DDSDGAGSGGSGGGKKGK	<i>Streptococcus oralis</i>	
ST13_USC 89	Uncharacterized phage protein	QM*KDYIVENQGLIGKR	<i>Streptococcus pneumoniae</i>	
ST13_USC 84	Uncharacterized phage protein	IENM*LLAQENRRLEEQAK	<i>Streptococcus suis</i> ,	<i>Streptococcus</i> phage phi20c
ST14_CECT 758	Phage integrase family	QFVFTYNDRSNNINLPLHVDYLNRYRM*K	<i>Streptococcus thermophilus</i>	
			<i>Streptococcus salivarius</i>	
ST14_CECT 758	Phage tail tape-measure protein	KWAM*EYGLSTKSVNSGM*QELVK	<i>Streptococcus parauberis</i>	
			<i>Streptococcus salivarius</i>	
ST14_CECT 758	Phage repressor, Cro/CI family	KLAYVKPRM*GM*NAFGKPGLTYEGIGESK	<i>Streptococcus anginosus</i>	
			<i>Streptococcus sanguinis</i>	
ST14_CECT 758	Uncharacterized phage protein	KLETAVVM*LVAENAM*QAKALR	<i>Streptococcus pyogenes</i>	
ST14_CECT 758	Gp58-like protein	HAQGDVGWNINSVTQRIVPANINAESEIWSK	<i>Streptococcus suis</i> ,	<i>Streptococcus</i> phage phi20c, <i>Streptococcus</i> phage phi7917

(M\* methionine oxidation; C\* carbamidomethylation of Cys)



**Table 2 in Supplemental Data 1** Linage, authors and accession number of studied bacteriophages.

Phage name	Linage	Accession number	Authors
<i>Streptococcus</i> virus phiAbc2	dsDNA viruses, no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus	NC_013645.1	Guglielmotti et al., 2005
<i>Streptococcus</i> phage 315.1	dsDNA viruses, no RNA stage; <i>Caudovirales</i> ; <i>Podoviridae</i> ; unclassified <i>Podoviridae</i>	NC_004584.1	Beres et al., 2002
<i>Streptococcus</i> phage 34117	unclassified bacterial viruses	FR671407.1	Croucher et al., 2011
<i>Streptococcus</i> phage 73	dsDNA viruses, no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; unclassified <i>Siphoviridae</i>	KT717083.1	Achigar et al., 2017
<i>Streptococcus</i> phage D5842	dsDNA viruses, no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	MH000602.1	Hynes et al., 2018
<i>Streptococcus</i> phage IPP26	unclassified bacterial viruses	KY065467.1	Brueggemann et al., 2017
<i>Streptococcus</i> phage IPP8	unclassified bacterial viruses	KY065450.1	Brueggemann et al., 2017
<i>Streptococcus</i> phage K13	unclassified bacterial viruses	NC_024357.1	Croucher et al., 2014
<i>Streptococcus</i> phage P0091	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705251.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P0092	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i>	KY705252.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P0093	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i>	KY705253.1	McDonnell et al., 2017

<i>Streptococcus</i> phage P0095	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i>	KY705255.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P4761	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705258.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P5651	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705260.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P5652	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1virus; unclassified Sfi21dt1 virus	KY705261.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P7134	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1virus; unclassified Sfi21dt1 virus	KY705264.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P7151	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705265.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P7152	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705266.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P7154	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705267.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P7951	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705277.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P7952	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705278.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P7953	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705279.1	McDonnell et al., 2017

<i>Streptococcus</i> phage P7954	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705280.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P7955	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705281.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P8921	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705282.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P8922	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705283.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P9851	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705284.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P9852	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705285.1	McDonnell et al., 2017
<i>Streptococcus</i> phage P9902	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	KY705289.1	McDonnell et al., 2017
<i>Streptococcus</i> phage phi7917	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Podoviridae</i> ; unclassified <i>Podoviridae</i>	KC348601.1	Tang et al., 2013
<i>Streptococcus</i> phage phiARI0004	unclassified bacterial viruses	NC_031920.1	Croucher et al., 2016
<i>Streptococcus</i> phage phiARI0746	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; unclassified <i>Siphoviridae</i>	NC_031907.1	Croucher et al., 2016
<i>Streptococcus</i> phage phi-m46.1	unclassified bacterial viruses	FM864213.1	Brenciani et al., 2010

<i>Streptococcus</i> phage phiSC070807	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; unclassified <i>Caudovirales</i>	KT336321.1	Huang and Wang (unpublished)
<i>Streptococcus</i> phage TP-778L	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; unclassified <i>Siphoviridae</i>	NC_022776.1	Ali et al., 2014
<i>Streptococcus</i> phage TP-J34	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; unclassified <i>Siphoviridae</i>	HE861935.1	Neve et al., 1998
<i>Streptococcus</i> virus 7201	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1virus	NC_002185.1	Stanley et al., 2000
<i>Streptococcus</i> virus 9871	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; unclassified <i>Siphoviridae</i>	NC_031069.1	McDonnell et al., 2016
<i>Streptococcus</i> virus 9874	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; unclassified <i>Siphoviridae</i>	NC_031023.1	McDonnell et al., 2016
<i>Streptococcus</i> virus DT1	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus	AF085222.2	Tremblay and Moineau 1999
<i>Streptococcus</i> phage 20617	unclassified bacterial viruses	NC_023503.1	Arioli et al., 2018
<i>Streptococcus</i> phage 315.2	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Podoviridae</i> ; unclassified <i>Podoviridae</i>	NC_004585.1	Beres et al., 2002
<i>Streptococcus</i> phage 315.6	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Podoviridae</i> ; unclassified <i>Podoviridae</i>	NC_004589.1	Beres et al., 2002
<i>Streptococcus</i> phage D1811	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	MH000604.1	Hynes et al., 2018
<i>Streptococcus</i> phage IPP16	unclassified bacterial viruses	KY065457.1	Brueggemann et al., 2017

<i>Streptococcus</i> phage IPP19	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; unclassified <i>Caudovirales</i>	Y065460.1	Brueggemann A B et al., 2017
<i>Streptococcus</i> phage IPP24	unclassified bacterial viruses	KY065465.1	Brueggemann et al., 2017
<i>Streptococcus</i> phage IPP62	unclassified bacterial viruses	KY065498.1	Brueggemann et al., 2017
<i>Streptococcus</i> phage IPP69	unclassified bacterial viruses	KY065505.1	Brueggemann et al., 2017
<i>Streptococcus</i> phage LYGO9	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; unclassified <i>Siphoviridae</i>	JX409894.1	Bai et al., 2016
<i>Streptococcus</i> phage P9	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; unclassified <i>Siphoviridae</i>	NC_009819.1	Tiwari et al., 2006
<i>Streptococcus</i> phage phi1207.3	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; unclassified <i>Caudovirales</i>	AY657002.1	Iannelli et al., 2014
<i>Streptococcus</i> phage phi20c	unclassified bacterial viruses	KC348598.1	Tang et al., 2013
<i>Streptococcus</i> phage phi30c	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Podoviridae</i> ; unclassified <i>Podoviridae</i>	KC348599.1	Tang et al., 2013
<i>Streptococcus</i> phage phi5218	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Podoviridae</i> ; unclassified <i>Podoviridae</i>	KC348600.1	Tang et al., 2013
<i>Streptococcus</i> phage phiARI0131-1	unclassified bacterial viruses	NC_031901.1	Croucher et al., 2016
<i>Streptococcus</i> phage phiARI0831b	unclassified bacterial viruses	KT337369.1	Croucher et al., 2016

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<i>Streptococcus</i> phage phiLP081102	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Podoviridae</i> ; unclassified <i>Podoviridae</i>	KX077890.1	Huang et al., 2016a
<i>Streptococcus</i> phage phiNJ2	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; unclassified <i>Siphoviridae</i>	NC_019418.1	Tang et al., 2013
<i>Streptococcus</i> phage phi-SsUD.1	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; unclassified <i>Caudovirales</i>	FN997652.1	Palmieri et al., 2011
<i>Streptococcus</i> phage SpSL1	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; unclassified <i>Siphoviridae</i>	NC_027396.1	Furi Clockie and Oggioni (Unpublished)
<i>Streptococcus</i> phage vB_SthS_VA460	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi21dt1 virus; unclassified Sfi21dt1 virus	MG708275.1	da Silva Duarte et al., 2018
<i>Streptococcus</i> virus Sfi11	dsDNA viruses no RNA stage; <i>Caudovirales</i> ; <i>Siphoviridae</i> ; Sfi11 virus	NC_002214.1	Lucchini et al., 1999b
<i>Streptococcus</i> phage phiZJ20091101-2	Viruses; unclassified bacterial viruses	KX077893.1	Huang et al., 2016a