

		% Identity	
<i>Staphylococcus aureus</i>	--	MSHNENLKLQQRGAYLSLVYIIILSIVKYVTGTFVNSAAVRADALNNMTDIIVSLAVI	58
<i>Streptococcus pyogenes</i> (41%)	MTQDP	IANLKLARKGPVSVIIIVYLSLSVAKLLAGYLLNASSLIADGFNNLSDIVGNVALL	60
<i>Streptococcus pneumoniae</i> (80%)	-MKQSI	NLKLAEARGAIIISISTYLLISAACLAAAGHLLHSSSLVADGFNNVSDIIGNVALL	59
<i>Streptococcus suis</i> (45%)	-MNQNV	TNLKLAEARGALLSIGAYIVLSGIKLVAGQLFHSDALRADAFNNISDIIGNIAVL	59
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<i>Staphylococcus aureus</i>		IGLKISIKPADRNHPYGHKLSENISSLLVSVFVIMFVGIQVVIQNAPRLFKEDDVVPAIT	118
<i>Streptococcus pyogenes</i>		IGLHLASQPADANKHFGHWKIEDLSSLVTSFIMFLVGFQVLHTIKSIFSGQQVDIDPLG	120
<i>Streptococcus pneumoniae</i>		IGIRMARQPADRDHRFGHWKIEDLASLITSIIMFYVGFVLRDITQIKLSREETVIDPLG	119
<i>Streptococcus suis</i>		VGLKMAQKPADTDHFKGHWKMEDLASLITSEIMFVVGFDVLYDTLQKLISNSSIEVDIMG	119
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<i>Staphylococcus aureus</i>		IIVSLISGLVMLIVFAVNQRLAKRTKSSSLNSAAKDNLSDSLVSIQTAIGLIFTQIGFPI	178
<i>Streptococcus pyogenes</i>		AIVGIVSAFVMLGVYVFNKRLSKRVKSSALVAASKDNLADAVTSIGTSAIILAASLHLPV	180
<i>Streptococcus pneumoniae</i>		ATLGIISAAIMFVVLYNTRLSSKSSNSNALKAAAKDNLSDAVTSLGTAIAIASSFNYP	179
<i>Streptococcus suis</i>		AIVGIFSAVLMNAVYLYNNRLAKKVRSKALEAAAKDNLSDAVTSIGTSAIAFAAAFNFPI	179
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<i>Staphylococcus aureus</i>		VDIILLATLLGLLIVYTGFGIFKEAIFMLSDGFNETELEAYRNDILEVDEVQEVKSIKGRY	238
<i>Streptococcus pyogenes</i>		IDHIAAMIITFFILKTAFDIFMESSFSLSDGFDSRHLKKYEKAILEIPKIVAVKSRQART	240
<i>Streptococcus pneumoniae</i>		VDKLVAAIIITFFILKTAYDIFIESSFSLSDGFDDRLLEDYQKAIMIPKISKVKSRGR	239
<i>Streptococcus suis</i>		VDKIAAIIITFFILKTAYDIFMESFFTLSDGFENLLKKYEEEDILKLPKIVSVKSRGR	239
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<i>Staphylococcus aureus</i>		HGSSVFIDVTIVVDANLSLVEAHQICDNVEHHLHK-KGISSVYVHPEPDHL-----	288
<i>Streptococcus pyogenes</i>		YGSNVYLDIVLEMNPDLSVYESHSITEKVEQLLSDQFSIYDIDIHVEPAMIPPEEIFDNV	300
<i>Streptococcus pneumoniae</i>		YGSNIYLDITLEMNPDLSVFESHIEIADQVESMLEERFVGFDTDVIHVEPAPIPEDEILDNV	299
<i>Streptococcus suis</i>		YGANIYLDVVLLEMNPDLSVYESHIEVTEQVEQLLTLKHGVFDVDIHEPSEIPHDEMYEHV	299
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<i>Staphylococcus aureus</i>		-----	288
<i>Streptococcus pyogenes</i>		AKKLYRYEKLILSKVPDYDHYIAKSFQLIDANGQTVNYEQFLNQEIYPSNFNHFQIESI	360
<i>Streptococcus pneumoniae</i>		YKLLMREQ-LDQGNQLEELLTDDFVYIRQDGEQMDKEAYKTKKE-LNSAIKDIQITSI	357
<i>Streptococcus suis</i>		YDKLFRFETEIQAHDANGYEELIDDQYLLIDAKGRYRNKTQMLADHPIQTTYLSNYQMTSI	359
<i>Staphylococcus aureus</i>		-----	288
<i>Streptococcus pyogenes</i>		SQKTMVLVYQLNGNQRTSIWRRHESWLLFHQITPIAKKQLHHTHYRIVKM--	411
<i>Streptococcus pneumoniae</i>		SQKTKLICYELDGIHITSIWRRHETWQNIFHQETKKE-----	394
<i>Streptococcus suis</i>		SQKSKLVTFEIGDYVHTSLWRRHENWTVIFHQISKKQASQIEATEKSSDLHNP	412