

<i>S.pneumoniae</i> _R6_NP_357898.1	----MKWTKRVIRYA--TKNRKSPAENRRRVGKSLSLLSVVFVFAIFLVNFVAVIIGTGTRF	54
<i>S.agalactiae</i> _2603V/R_NP_687322.1	MTFFKLLKKIFLDYVIHIDRRSPQKNRERVGQNLMLTIFLFFIFINFVIVGTDSKF	60
<i>S.pyogenes</i> _MGAS315_WP_011106648.1	---MKKWQKQVLDYV--VRDRRTPVENRVRVVGQNMMLLTIFIFIFFIFINFMIIIGTDQKF	55
<i>S.equisimilis</i> _RE378_WP_015017311.1	---MRKWQKYFLDYV--VRDRRTPVQNRVVRVVGQNMMLLTIFVFFFIFINFMIIIGTDQKF	55
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<i>S.pneumoniae</i> _R6_NP_357898.1	GTDLAKEAKKVHQTRTRVPAKRGTIYDRNGVPIAEDATSYNVYAVIDENYKSATGKILYV	114
<i>S.agalactiae</i> _2603V/R_NP_687322.1	GVNLSKEAKKVYQQSMTVQAKRGTIYDRNGNPIAEDATTYSLYAIISKNYTTATGQKLYV	120
<i>S.pyogenes</i> _MGAS315_WP_011106648.1	GVSLSEGAKKVYQETVTIQAKRGTIYDRNGTAIAVDSTTYSIYAILDKSFVSASDEKLYV	115
<i>S.equisimilis</i> _RE378_WP_015017311.1	GVSLSEGAKKVYQETVTIQAKRGTIYDRNGTAIAVDSTTYSIYAILDKSFVSASDEKLYV	115
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<i>S.pneumoniae</i> _R6_NP_357898.1	EKTQFNKVAEVFHKYLDMEESYVREQLSQPNLKQVSGAKGNGITYANMMSIKKELEAAE	174
<i>S.agalactiae</i> _2603V/R_NP_687322.1	QPSQYEKVASILENKLGMKKNLVKQLNQKLFQVSGSSGSLSYTKMADIKKTMEKSD	180
<i>S.pyogenes</i> _MGAS315_WP_011106648.1	QPSQYETVADILKHLGMKKTQVQKQLKRLKGLFQVSGPSGSGISYSYTMSTIQKAMEDAK	175
<i>S.equisimilis</i> _RE378_WP_015017311.1	QPSQYDKVAAILKEHLGMKKTQVQKQLKRLKGLFQVSGTSGSGISYSYTMSTIQKAMEAAK	175
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<i>S.pneumoniae</i> _R6_NP_357898.1	VKGIDFTTSPNRSYPNGQFASSFIGLAQLHENE-DGSKSLLGTSGMESSLNSILAGTDGI	233
<i>S.agalactiae</i> _2603V/R_NP_687322.1	IKGIGFSTSPGRIYPNGIFASQFIGFTLPQDDG--DGKLVGNTGLEAALNKVLSGTDGK	238
<i>S.pyogenes</i> _MGAS315_WP_011106648.1	IKGIAFTTSPGRMYPNGTFASEFIGLASLTEDKKTGVKSLVGKTGLEASFDKILSGQDGV	235
<i>S.equisimilis</i> _RE378_WP_015017311.1	IKGIAFSASPGRMYPNGTFASEFIGLASLTEDKKTGVKSLVGKSGLEASFDKILSGQDGV	235
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<i>S.pneumoniae</i> _R6_NP_357898.1	ITYEKDRLGNIVPGTEQVSQRTMDGKDVYTTISSPLQSFMETQMDAFQEKVKGYMTATL	293
<i>S.agalactiae</i> _2603V/R_NP_687322.1	VTYEKDRSGNVLLGTATTERRAVNGKDIYTTLSEPIQTVLETQMDVFAEKTGKFASATV	298
<i>S.pyogenes</i> _MGAS315_WP_011106648.1	ITYQKDRNGATLLGTGKTVKKAIDGKDIYTTLSEPIQTFLETQMDVFAKSNGLASATL	295
<i>S.equisimilis</i> _RE378_WP_015017311.1	ITYQKDRNGNTLLGTGKTVKKAIDGKDIYTTLSEPIQTFLETQMDIFQAKSNGLATATL	295
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<i>S.pneumoniae</i> _R6_NP_357898.1	VSAKTGEILATQRPFTDADTKEGITE-DFVW-RDILYQSNEYEPG STMK VVMLAAIDNN	351
<i>S.agalactiae</i> _2603V/R_NP_687322.1	VNAKTGEILATSQRPTYNPSTLKGYDKKNLGTYNLLYDNFFEPG STMK VMTLASAIDSK	358
<i>S.pyogenes</i> _MGAS315_WP_011106648.1	VNAKTGEILATQRPTYNADTLKGLNENTYKQWYSALH-QGNFEPG STMK VMTLAAIDDK	354
<i>S.equisimilis</i> _RE378_WP_015017311.1	VNAKTGEILATQRPTYNADTLKGLNENKDYKQWYSALH-QGNFEPG STMK VMTLAAIDDK	354
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<i>S.pneumoniae</i> _R6_NP_357898.1	TFPGGEVFNS-SELKIADATIRDWDVNEGLTGGRMFTFSQGF SSN VGMTLLEQKMGDA	410
<i>S.agalactiae</i> _2603V/R_NP_687322.1	HFNSTEVYNS-AQYKIADAIIRDWDVNEGLSSGSYMTFPQGF SSN VGMTLLEQKMGDA	417
<i>S.pyogenes</i> _MGAS315_WP_011106648.1	VFNPNETFNSANGLTIADATIQDWSINEGISTGQYMNQAQGF SSN VGMTKLEQKMGNA	414
<i>S.equisimilis</i> _RE378_WP_015017311.1	VFNPNETFNSANGLTIADATIQDWSINEGISTGQYMNQAQGF SSN VGMTKLEQKMGNA	414
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