

Table 3. *Streptococcus*-specific genes

ORF	Annotation
SAG0038	Conserved hypothetical protein
SAG0048	Transcriptional regulator Cro/CI family
SAG0091	Transcriptional regulator ComX1 putative
SAG0137	Conserved hypothetical protein
SAG0686	DNA-entry nuclease putative
SAG0770	Membrane protein putative
SAG0868	DNA-entry nuclease
SAG1143	Conserved hypothetical protein
SAG1233	Streptococcal histidine triad family protein
SAG1596	Integrase/recombinase phage integrase family
SAG1616	Conserved hypothetical protein
SAG1721	Conserved hypothetical protein

The protein sets of *S. agalactiae*, *S. pneumoniae*, and *S. pyogenes* were compared by using FASTA3 [Pearson, W. R. (2000) *Methods Mol. Biol.* **132**, 185-219]. Shared genes were defined by using a FASTA3 *P* value cutoff of 10^{-15} . These shared genes and genes that *S. agalactiae* did not share with the other streptococci using this cutoff were subsequently searched against all completely sequenced genomes, and genes were defined as unique to streptococci or *S. agalactiae* when they did not share similarity with any other gene sets with a FASTA3 *P* value of 10^{-5} or lower.