

Genes and their coordinates in the PG45 genome

Gene	Genome coordinate
<i>dnaA</i> (chromosomal replication initiator protein)	9-1,409
<i>gltX</i> (glutamate tRNA ligase)	263,776-265,167
<i>gpsA</i> (glycerol-3-phosphate dehydrogenase)	66,040-67,038
<i>gyrB</i> (DNA gyrase subunit B)	976,465-978,432
<i>pta-2</i> (phosphate acetyltransferase-2)	365,216-366,190
<i>tdk</i> (thymidine kinase)	923,372-923,944
<i>tkl</i> (transketolase)	741,990-743,936

Primers used for amplification of MLST loci

Name	Sequence	Amplicon size (bp)
dnaA-F	5'- TCA AAT CGT GAA GTC GAC AA -3'	
dnaA-R	5'- CTT CCC AAT TTG TTC CAG TG -3'	924
gltX-3	5'- TGG TGA GTA TTC AAT AAG GT -3'	
gltX-4	5'- GTT TTG AGA ATC ATT GCA -3'	530
gpsA-3	5'- AAA ATG TGA GGA ATT GAT CA -3'	
gpsA-2	5'- CCA ATT CCA ATT GCT AAA AC -3'	521
gyrB-1	5'- AGC TTG CTA ATT GCA CCA -3'	
gyrB-2	5'- TAT TTT GAA CAA ATT TTG CAT -3'	678
pta-2-1	5'- AAT TCG TAA TGG CAA AGA AG -3'	
pta-2-2	5'- CTT AGC TTT TCT TAC ATT TAG GT -3'	490
tdk-3	5' -ATG TAT TTA AAA AGT GGA TTA GG -3'	
tdk-4	5'- TAT CTC ATA GCT TTT TTA GC -3'	572
tkl-1	5'- CCA ACT TAT ATT ATG GTG CA -3'	
tkl-2	5'- CCA CCA TAT AAA TTA ATG CC -3'	533