

Table S1: Genetic rearrangements and polymorphisms identified in TA deletion mutants

Coordinate	MG1655	$\Delta 10LVM$	$\Delta 5KG$	$\Delta 7KG$	$\Delta 8KG$	$\Delta K9G$	$\Delta 10KG$	Description
1340001								Silent SNP in <i>pgpB</i> G→T
4474834								Mutation 27 bp before <i>tabA</i>
4549192								SNP in <i>fimH</i> T→G Thr→Asp
807327								λ prophage insertion
1310570								$\phi 80$ -1 prophage insertion
3192087								$\phi 80$ -2 prophage insertion
2052027								$\phi 80$ -3 prophage insertion
3801371								Insertion in <i>waaJ</i> (T)
677815-687900								10 kbp deletion
3038242								SNP in <i>dsbC</i> G→C Gly→Ala