

Serovar	Number of genomes downloaded from NCBI-SRA
<i>Salmonella</i> Agona	565
<i>Salmonella</i> Anatum	600
<i>Salmonella</i> Braenderup	600
<i>Salmonella</i> Derby	590
<i>Salmonella</i> Dublin	600
<i>Salmonella</i> Enteritidis	600
<i>Salmonella</i> Hadar	600
<i>Salmonella</i> Heidelberg	600
<i>Salmonella</i> Infantis	600
<i>Salmonella</i> Javiana	600
<i>Salmonella</i> Johannesburg	534
<i>Salmonella</i> Kentucky	600
<i>Salmonella</i> Mbandaka	535
<i>Salmonella</i> Montevideo	600
<i>Salmonella</i> Muenchen	600
<i>Salmonella</i> Newport	600
<i>Salmonella</i> Schwarzengrund	600
<i>Salmonella</i> Senftenberg	563
<i>Salmonella</i> Thompson	600
<i>Salmonella</i> Typhimurium	600

Table S1. Total counts of downloaded genomes per serovar of *S. enterica* Subspecies *enterica* Lineage I. All downloaded genomes were freely available at NCBI-SRA.