

**Table S2** - Characteristics of the 30 *Salmonella* Typhimurium genomes retrieved from GenBank

<b>GenBank Accession Number</b>	<b>Sources</b>	<b>Sequence Type (ST)</b>	<b>Geographical areas</b>	<b>Circles colors*</b>
GCF_000006945.2_ ASM694v2	Human	19	UK	Dark green
GCF_000022165.1_ ASM2216v1	Chicken	19	USA	Dark green
GCF_000027025.1_ ASM2702v1	Human	313	Malawi/Africa	Red
GCF_000188735.1_ ASM18873v1	Calf	19	UK	Dark green
GCF_000210855.2_ ASM21085v2	Cattle	19	UK	Dark green
GCF_000213635.1_ ASM21363v1	Horse	19	UK	Dark green
GCF_000283735.1_ ASM28373v1	Human	19	UK	Dark green
GCF_000380325.1_ ASM38032v1	Human	19	UK	Dark green
GCF_000493535.2_ DT2	Pigeon	128	Germany	Black
GCF_000493675.1_ DT104	Human	19	UK	Dark green
GCF_000743055.1_ ASM74305v1	Sheep	2066	Japan	Grey
GCF_000941015.2_ ASM94101v2	Cattle	19	USA	Dark green
GCF_000973645.1_ ASM97364v1	Human	19	USA	Dark green
GCF_000993725.1_ ASM99372v1	Blood	413	South Korea	Brown
GCF_001293505.1_ ASM129350v1	Sistemic infection	213	Mexico	Yellow
GCF_001454965.1_ ASM145496v1	Food	166	South Korea	Pink
GCF_001540845.1_ SO4698_09	Cattle	34	UK	Purple
GCF_001576255.1_ ASM157625v1	Human	19	Mexico	Dark green
GCF_001576275.1_ ASM157627v1	Human	302	Mexico	Dark blue
GCF_001577505.1_ ASM157750v1	Human	302	Mexico	Dark blue
GCF_001623645.1_ ASM162364v1	Human	19	USA	Dark green
GCF_001623685.1_ ASM162368v1	Human	19	USA	Dark green
GCF_001623705.1_ ASM162370v1	Cattle	19	USA	Dark green
GCF_001623725.1_	Cattle	19	USA	Dark green

ASM162372v1					
GCF_001623745.2_	Cattle	19		USA	Dark green
ASM162374v2					
GCF_001623765.2_	Food	19		USA	Dark green
ASM162376v2					
GCF_001623845.1_	Cattle	19		USA	Dark green
ASM162384v1					
GCF_001886995.1_	Wild birds	Unknow ST		Canada	White
ASM188699v1					
GCF_001887015.1_	Wild birds	99		Canada	Light green
ASM188701v1					
GCF_002009155.1_	Birds	19		USA	Dark green
ASM200915v1					

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\* Presented in the Figures 1, 3 and 4.