TYPE (STRAIN) GENOME SERVER

JOB SUMMARY

PRINT DATE:	2026-10-16 10:50:53 +0200
JOB ID:	ec388433-020e-47c2-97b0-0d6430982f72
RESULT PAGE:	https://tygs.dsmz.de/user_results/show?guid=ec388433-020e-47c2-97b0-0d6430982f72

Table 1: Phylogenies

Publication-ready versions of both the genome-scale GBDP tree and the 16S rRNA gene sequence tree can be customized and exported either in SVG (vector graphic) or PNG format from within the phylogeny viewers in your TYGS result page. For publications the **SVG format is recommended** because it is lossless, always keeps its high resolution and can also be easily converted to other popular formats such as PDF or EPS. Please follow the link provided above!

Table 2: Identification

The below list contains the result of the TYGS species identification routine.

Explanation of remarks that might occur in the below table:

remark [R1]: The TYGS type strain database is automatically updated on an almost daily basis. However, if a particular type strain genome is not available in the TYGS database, this can have several reasons which are detailed in the FAQ. You can request an extended 16S rRNA gene analysis via the 16S tree viewer found in your result page to detect **not yet genome-sequenced** type strains relevant for your study.

remark [R2]: > 70% dDDH value (formula d_4) and (almost) minimal dDDH values for gene-content formulae d_0 and d_6 indicate a potentially unreliable identification result and should thus be checked via the 16S rRNA gene sequence similarity. Such strong deviations can, in principle, be caused by sequence contamination.

remark [R3]: G+C content difference of > 1 % indicates a potentially unreliable identification result because within species G+C content varies no more than 1 %, if computed from genome sequences (PMID: 24505073).

Strain	Conclusion	Identification result	Remark
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. houtenae' (JWSP00000000)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. salamae' (LS483477)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	belongs to known species	*Salmonella enterica*	

Strain	Conclusion	Identification result	Remark
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	belongs to known species	*Salmonella enterica*	
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	belongs to known species	*Salmonella typhi*	
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	belongs to known species	*Salmonella typhi*	
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	belongs to known species	*Salmonella typhi*	
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	belongs to known species	*Salmonella typhi*	
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	belongs to known species	*Salmonella typhi*	
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	belongs to known species	*Salmonella typhi*	
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	belongs to known species	*Salmonella typhi*	
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	belongs to known species	*Salmonella typhi*	
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	belongs to known species	*Salmonella typhi*	
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	belongs to known species	*Salmonella typhi*	
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	belongs to known species	*Salmonella typhi*	
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	belongs to known species	*Salmonella typhi*	

Table 3: Pairwise comparisons of user genomes vs. type-strain genomes

The following table contains the pairwise dDDH values between your user genomes and the selected type-strain genomes. The dDDH values are provided along with their confidence intervals (C.I.) for the three different GBDP formulas:

- formula d_0 (a.k.a. GGDC formula 1): length of all HSPs divided by total genome length
- formula d_4 (a.k.a. GGDC formula 2): sum of all identities found in HSPs divided by overall HSP length
- formula d_6 (a.k.a. GGDC formula 3): sum of all identities found in HSPs divided by total genome length

Note: Formula d_4 is independent of genome length and is thus robust against the use of incomplete draft genomes. For other reasons for preferring formula d_4, see the FAQ.

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)**	100.0	[100.0 - 100.0]	100.0	[100.0 - 100.0]	100.0	[100.0 - 100.0]	0.0
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)**	100.0	[100.0 - 100.0]	100.0	[99.9 - 100.0]	100.0	[100.0 - 100.0]	0.0
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella enteritidis* ATCC 13076	99.9	[99.8 - 100.0]	100.0	[99.9 - 100.0]	100.0	[99.9 - 100.0]	0.03
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)**	100.0	[100.0 - 100.0]	100.0	[100.0 - 100.0]	100.0	[100.0 - 100.0]	0.0
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)**	99.8	[99.5 - 99.9]	99.8	[99.6 - 99.9]	99.9	[99.8 - 100.0]	0.05
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella typhi* NCTC 8385	99.8	[99.6 - 99.9]	99.6	[99.3 - 99.8]	99.9	[99.8 - 100.0]	0.01
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	97.1	[95.5 - 98.2]	99.4	[99.1 - 99.7]	98.5	[97.6 - 99.1]	0.17
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella typhi* NCTC 8385	99.6	[99.2 - 99.8]	97.0	[95.9 - 97.8]	99.7	[99.5 - 99.9]	0.08
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	99.7	[99.5 - 99.9]	96.9	[95.8 - 97.8]	99.8	[99.6 - 99.9]	0.03
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	92.4	[89.5 - 94.5]	96.7	[95.5 - 97.6]	95.2	[93.3 - 96.5]	0.21
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	99.8	[99.6 - 99.9]	95.9	[94.5 - 97.0]	99.8	[99.6 - 99.9]	0.09
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. houtenae' (JWSP00000000)**	92.3	[89.4 - 94.4]	95.5	[94.0 - 96.6]	94.9	[93.0 - 96.3]	0.07
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	92.3	[89.4 - 94.4]	95.5	[94.0 - 96.6]	94.9	[93.0 - 96.4]	0.18

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	95.8	[93.7 - 97.2]	95.4	[93.9 - 96.6]	97.3	[96.0 - 98.2]	0.03
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	93.7	[91.1 - 95.6]	95.3	[93.8 - 96.5]	95.9	[94.2 - 97.1]	0.11
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	91.8	[88.8 - 94.0]	95.3	[93.8 - 96.5]	94.5	[92.5 - 96.0]	0.24
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	92.5	[89.7 - 94.6]	95.2	[93.7 - 96.4]	95.1	[93.2 - 96.5]	0.04
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	89.0	[85.7 - 91.7]	95.2	[93.7 - 96.4]	92.6	[90.2 - 94.4]	0.24
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	82.2	[78.4 - 85.5]	95.1	[93.5 - 96.3]	87.3	[84.2 - 89.8]	0.09
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	91.0	[87.8 - 93.3]	95.0	[93.5 - 96.3]	93.9	[91.8 - 95.6]	0.28
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	86.3	[82.6 - 89.2]	95.0	[93.4 - 96.2]	90.4	[87.7 - 92.6]	0.27
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. salamae' (LS483477)**	95.9	[93.9 - 97.3]	94.7	[93.0 - 95.9]	97.3	[96.0 - 98.2]	0.2
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	92.4	[89.6 - 94.6]	94.1	[92.3 - 95.5]	94.9	[92.9 - 96.3]	0.09
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	90.6	[87.4 - 93.0]	94.1	[92.3 - 95.4]	93.5	[91.3 - 95.2]	0.11
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	98.3	[97.1 - 99.0]	93.5	[91.7 - 95.0]	98.7	[97.9 - 99.2]	0.03
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	98.2	[97.0 - 99.0]	93.5	[91.6 - 95.0]	98.7	[97.9 - 99.2]	0.03
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	98.3	[97.1 - 99.0]	93.5	[91.6 - 94.9]	98.7	[97.9 - 99.2]	0.02
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella typhi* NCTC 8385	99.8	[99.6 - 99.9]	93.4	[91.5 - 94.8]	99.7	[99.5 - 99.9]	0.03
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	92.9	[90.1 - 94.9]	91.8	[89.7 - 93.5]	94.9	[93.0 - 96.3]	0.07

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella typhimurium* ATCC 13311	92.0	[89.1 - 94.2]	91.5	[89.3 - 93.2]	94.3	[92.2 - 95.8]	0.01
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella typhimurium* ATCC 13311	93.1	[90.4 - 95.1]	91.3	[89.1 - 93.0]	95.0	[93.1 - 96.4]	0.0
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella enteritidis* ATCC 13076	91.1	[88.0 - 93.4]	91.3	[89.1 - 93.0]	93.5	[91.3 - 95.2]	0.03
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella typhimurium* JCM 1652	91.9	[88.9 - 94.1]	91.2	[89.0 - 93.0]	94.1	[92.0 - 95.7]	0.05
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	90.7	[87.5 - 93.1]	91.2	[89.1 - 93.0]	93.2	[91.0 - 95.0]	0.0
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella enterica* LT2	91.0	[87.9 - 93.4]	91.2	[89.0 - 93.0]	93.5	[91.2 - 95.2]	0.13
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella enterica* LT2	93.3	[90.6 - 95.3]	91.0	[88.7 - 92.8]	95.1	[93.2 - 96.5]	0.13
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella typhimurium* JCM 1652	92.8	[89.9 - 94.8]	91.0	[88.7 - 92.8]	94.7	[92.7 - 96.2]	0.05
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella typhimurium* ATCC 13311	90.3	[87.1 - 92.8]	90.8	[88.6 - 92.6]	92.9	[90.5 - 94.7]	0.04
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella enteritidis* ATCC 13076	93.1	[90.3 - 95.1]	90.7	[88.4 - 92.5]	94.9	[92.9 - 96.3]	0.18
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella typhimurium* JCM 1652	89.9	[86.6 - 92.4]	90.6	[88.4 - 92.5]	92.5	[90.1 - 94.4]	0.01
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella enterica* LT2	92.3	[89.4 - 94.5]	90.6	[88.3 - 92.4]	94.3	[92.3 - 95.9]	0.08
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella typhimurium* ATCC 13311	93.5	[90.8 - 95.4]	90.6	[88.4 - 92.5]	95.2	[93.3 - 96.6]	0.2
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	93.5	[90.8 - 95.4]	90.5	[88.2 - 92.4]	95.2	[93.3 - 96.6]	0.21
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	86.7	[83.1 - 89.7]	90.5	[88.2 - 92.4]	90.1	[87.4 - 92.3]	0.03
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella typhimurium* JCM 1652	93.3	[90.5 - 95.2]	90.5	[88.2 - 92.4]	95.0	[93.1 - 96.4]	0.25
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella choleraesuis* DSM 14846	91.8	[88.8 - 94.0]	90.4	[88.1 - 92.2]	93.9	[91.8 - 95.5]	0.03

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	89.8	[86.5 - 92.3]	90.4	[88.1 - 92.3]	92.4	[90.0 - 94.3]	0.12
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	89.3	[85.9 - 91.9]	90.4	[88.1 - 92.2]	92.1	[89.6 - 94.0]	0.24
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella enteritidis* ATCC 13076	88.3	[84.8 - 91.0]	90.3	[88.0 - 92.2]	91.3	[88.7 - 93.3]	0.06
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella enterica* LT2	89.4	[86.0 - 92.0]	90.3	[88.1 - 92.2]	92.1	[89.6 - 94.0]	0.16
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	92.3	[89.4 - 94.5]	90.2	[87.9 - 92.1]	94.3	[92.2 - 95.8]	0.21
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	88.0	[84.5 - 90.8]	90.1	[87.7 - 92.0]	91.0	[88.4 - 93.1]	0.03
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella choleraesuis* DSM 14846	93.3	[90.6 - 95.3]	89.7	[87.3 - 91.6]	94.9	[93.0 - 96.4]	0.18
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella choleraesuis* DSM 14846	89.2	[85.8 - 91.8]	89.7	[87.4 - 91.7]	91.9	[89.4 - 93.8]	0.03
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella choleraesuis* DSM 14846	86.9	[83.3 - 89.8]	89.5	[87.2 - 91.5]	90.1	[87.4 - 92.3]	0.06
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	90.3	[87.1 - 92.8]	89.4	[87.0 - 91.4]	92.7	[90.3 - 94.5]	0.36
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	94.5	[92.0 - 96.2]	89.4	[87.0 - 91.4]	95.7	[94.0 - 97.0]	0.16
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	95.3	[93.0 - 96.8]	89.3	[86.9 - 91.3]	96.3	[94.7 - 97.4]	0.1
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	88.1	[84.7 - 90.9]	89.2	[86.8 - 91.2]	91.0	[88.4 - 93.1]	0.03
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	95.1	[92.8 - 96.6]	89.0	[86.6 - 91.1]	96.1	[94.4 - 97.3]	0.07
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	85.5	[81.8 - 88.5]	89.0	[86.6 - 91.0]	88.9	[86.1 - 91.3]	0.15
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella typhimurium* ATCC 13311	90.5	[87.3 - 92.9]	88.9	[86.4 - 90.9]	92.7	[90.4 - 94.6]	0.03
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella typhi* NCTC 8385	95.0	[92.7 - 96.6]	88.8	[86.4 - 90.9]	96.0	[94.4 - 97.2]	0.08

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella enteritidis* ATCC 13076	88.1	[84.6 - 90.9]	88.8	[86.4 - 90.9]	90.9	[88.3 - 93.0]	0.17
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)**	87.6	[84.0 - 90.4]	88.8	[86.4 - 90.9]	90.5	[87.8 - 92.7]	0.15
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella typhimurium* ATCC 13311	87.6	[84.1 - 90.4]	88.7	[86.3 - 90.8]	90.5	[87.8 - 92.7]	0.15
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	82.6	[78.7 - 85.9]	88.7	[86.3 - 90.8]	86.5	[83.4 - 89.1]	0.11
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	93.0	[90.2 - 95.0]	88.7	[86.3 - 90.8]	94.6	[92.6 - 96.1]	0.23
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella enterica* LT2	89.7	[86.4 - 92.2]	88.6	[86.2 - 90.7]	92.1	[89.6 - 94.0]	0.15
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella typhimurium* JCM 1652	90.3	[87.1 - 92.7]	88.6	[86.2 - 90.7]	92.6	[90.2 - 94.4]	0.02
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella typhimurium* JCM 1652	87.3	[83.8 - 90.2]	88.5	[86.1 - 90.6]	90.3	[87.6 - 92.5]	0.1
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	84.8	[81.1 - 87.9]	88.5	[86.1 - 90.6]	88.3	[85.4 - 90.7]	0.01
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella enteritidis* ATCC 13076	92.1	[89.2 - 94.3]	88.5	[86.0 - 90.6]	93.9	[91.7 - 95.5]	0.05
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella choleraesuis* DSM 14846	86.9	[83.4 - 89.8]	88.3	[85.8 - 90.4]	89.9	[87.2 - 92.2]	0.18
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella choleraesuis* DSM 14846	87.2	[83.6 - 90.1]	88.1	[85.6 - 90.2]	90.1	[87.4 - 92.3]	0.05
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	92.2	[89.3 - 94.3]	88.1	[85.6 - 90.2]	93.9	[91.8 - 95.5]	0.02
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella enterica* LT2	87.4	[83.8 - 90.2]	87.8	[85.3 - 90.0]	90.2	[87.5 - 92.4]	0.28
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	82.4	[78.6 - 85.7]	87.5	[84.9 - 89.6]	86.2	[83.1 - 88.8]	0.19
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)**	84.5	[80.8 - 87.7]	87.5	[85.0 - 89.7]	87.9	[85.0 - 90.4]	0.26
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella typhimurium* ATCC 13311	87.6	[84.1 - 90.4]	87.4	[84.8 - 89.5]	90.3	[87.6 - 92.5]	0.05

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	87.4	[83.9 - 90.3]	87.3	[84.7 - 89.5]	90.2	[87.4 - 92.4]	0.14
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	84.9	[81.2 - 88.0]	87.1	[84.5 - 89.3]	88.2	[85.2 - 90.6]	0.07
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	87.5	[83.9 - 90.3]	87.1	[84.5 - 89.3]	90.2	[87.5 - 92.4]	0.05
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella typhimurium* ATCC 13311	85.2	[81.5 - 88.3]	87.1	[84.5 - 89.3]	88.4	[85.5 - 90.8]	0.05
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella typhimurium* ATCC 13311	84.1	[80.3 - 87.3]	87.1	[84.5 - 89.3]	87.5	[84.5 - 90.0]	0.11
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella typhimurium* JCM 1652	87.3	[83.7 - 90.1]	87.1	[84.5 - 89.3]	90.0	[87.3 - 92.2]	0.1
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella typhimurium* ATCC 13311	84.9	[81.1 - 88.0]	87.1	[84.6 - 89.3]	88.1	[85.2 - 90.6]	0.02
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	83.6	[79.8 - 86.8]	87.0	[84.4 - 89.2]	87.1	[84.0 - 89.6]	0.09
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	87.6	[84.1 - 90.4]	87.0	[84.4 - 89.2]	90.3	[87.6 - 92.4]	0.11
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	86.2	[82.5 - 89.2]	86.9	[84.3 - 89.1]	89.1	[86.3 - 91.4]	0.31
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella typhimurium* JCM 1652	84.5	[80.7 - 87.6]	86.9	[84.3 - 89.1]	87.8	[84.8 - 90.2]	0.03
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella enterica* LT2	87.3	[83.8 - 90.2]	86.9	[84.3 - 89.1]	90.1	[87.3 - 92.3]	0.07
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	87.7	[84.2 - 90.5]	86.9	[84.3 - 89.1]	90.3	[87.6 - 92.5]	0.15
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	91.0	[87.9 - 93.4]	86.8	[84.2 - 89.0]	92.9	[90.5 - 94.7]	0.06
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella typhi* NCTC 8385	86.7	[83.1 - 89.6]	86.8	[84.2 - 89.0]	89.5	[86.7 - 91.8]	0.23
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella typhimurium* JCM 1652	84.1	[80.3 - 87.3]	86.8	[84.2 - 89.1]	87.5	[84.4 - 89.9]	0.06
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	86.9	[83.3 - 89.8]	86.8	[84.2 - 89.0]	89.7	[86.9 - 92.0]	0.22

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella typhimurium* JCM 1652	85.1	[81.4 - 88.2]	86.8	[84.2 - 89.1]	88.3	[85.3 - 90.7]	0.0
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella typhimurium* ATCC 13311	88.6	[85.2 - 91.3]	86.8	[84.2 - 89.0]	91.0	[88.4 - 93.1]	0.11
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella enteritidis* ATCC 13076	90.6	[87.5 - 93.0]	86.8	[84.2 - 89.0]	92.6	[90.2 - 94.4]	0.03
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	87.4	[83.8 - 90.2]	86.7	[84.1 - 89.0]	90.1	[87.3 - 92.3]	0.26
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella enteritidis* ATCC 13076	89.5	[86.2 - 92.1]	86.7	[84.1 - 89.0]	91.7	[89.2 - 93.7]	0.09
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	87.4	[83.8 - 90.2]	86.7	[84.1 - 88.9]	90.0	[87.3 - 92.2]	0.04
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	92.0	[89.1 - 94.2]	86.7	[84.0 - 88.9]	93.6	[91.4 - 95.3]	0.16
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	91.4	[88.3 - 93.7]	86.7	[84.1 - 88.9]	93.1	[90.8 - 94.9]	0.15
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella enterica* LT2	87.6	[84.1 - 90.4]	86.7	[84.1 - 89.0]	90.2	[87.5 - 92.4]	0.02
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	86.6	[82.9 - 89.5]	86.7	[84.1 - 88.9]	89.4	[86.6 - 91.7]	0.08
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)**	87.2	[83.6 - 90.1]	86.6	[83.9 - 88.8]	89.9	[87.1 - 92.1]	0.05
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella enteritidis* ATCC 13076	87.0	[83.4 - 89.9]	86.5	[83.9 - 88.8]	89.7	[87.0 - 92.0]	0.02
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella typhimurium* JCM 1652	88.3	[84.9 - 91.1]	86.5	[83.9 - 88.8]	90.8	[88.1 - 92.9]	0.16
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella enterica* LT2	85.5	[81.8 - 88.5]	86.5	[83.8 - 88.7]	88.5	[85.6 - 90.9]	0.18
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella typhimurium* ATCC 13311	89.4	[86.1 - 92.0]	86.5	[83.9 - 88.8]	91.6	[89.1 - 93.6]	0.04
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	85.4	[81.7 - 88.5]	86.5	[83.9 - 88.8]	88.5	[85.6 - 90.9]	0.2
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	87.6	[84.1 - 90.4]	86.4	[83.8 - 88.7]	90.2	[87.4 - 92.4]	0.05

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella enterica* LT2	84.3	[80.6 - 87.5]	86.4	[83.8 - 88.7]	87.6	[84.6 - 90.1]	0.23
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella enteritidis* ATCC 13076	87.7	[84.2 - 90.5]	86.4	[83.8 - 88.7]	90.3	[87.6 - 92.5]	0.08
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	90.6	[87.5 - 93.1]	86.4	[83.7 - 88.6]	92.5	[90.1 - 94.4]	0.1
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella enterica* LT2	85.3	[81.5 - 88.3]	86.4	[83.8 - 88.7]	88.3	[85.4 - 90.7]	0.15
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)**	89.6	[86.3 - 92.2]	86.4	[83.7 - 88.6]	91.7	[89.2 - 93.7]	0.11
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella typhimurium* JCM 1652	89.1	[85.7 - 91.7]	86.3	[83.6 - 88.5]	91.3	[88.7 - 93.3]	0.09
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)**	86.4	[82.7 - 89.3]	86.3	[83.7 - 88.6]	89.2	[86.4 - 91.5]	0.1
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella enteritidis* ATCC 13076	86.9	[83.3 - 89.8]	86.3	[83.7 - 88.6]	89.6	[86.8 - 91.9]	0.13
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	86.9	[83.4 - 89.8]	86.3	[83.7 - 88.6]	89.6	[86.9 - 91.9]	0.02
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella enteritidis* ATCC 13076	87.4	[83.9 - 90.3]	86.3	[83.6 - 88.5]	90.0	[87.3 - 92.2]	0.04
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella enterica* LT2	88.5	[85.0 - 91.2]	86.2	[83.5 - 88.5]	90.8	[88.2 - 92.9]	0.08
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella typhi* NCTC 8385	86.8	[83.2 - 89.7]	86.2	[83.6 - 88.5]	89.5	[86.7 - 91.8]	0.02
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella typhi* NCTC 8385	81.4	[77.5 - 84.8]	86.1	[83.4 - 88.4]	85.2	[82.0 - 87.9]	0.13
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)**	82.3	[78.4 - 85.6]	86.1	[83.5 - 88.4]	85.9	[82.7 - 88.5]	0.1
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella choleraesuis* DSM 14846	83.8	[80.0 - 87.0]	86.1	[83.4 - 88.3]	87.1	[84.1 - 89.6]	0.08
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella choleraesuis* DSM 14846	86.6	[83.0 - 89.6]	86.0	[83.3 - 88.3]	89.4	[86.5 - 91.6]	0.03
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	88.2	[84.7 - 91.0]	86.0	[83.3 - 88.3]	90.6	[87.9 - 92.7]	0.08

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	82.0	[78.1 - 85.3]	86.0	[83.4 - 88.3]	85.6	[82.4 - 88.3]	0.02
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	80.9	[77.0 - 84.3]	86.0	[83.3 - 88.3]	84.7	[81.5 - 87.4]	0.07
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)**	81.2	[77.3 - 84.6]	86.0	[83.3 - 88.3]	85.0	[81.8 - 87.7]	0.04
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella choleraesuis* DSM 14846	86.3	[82.7 - 89.3]	85.9	[83.3 - 88.2]	89.1	[86.3 - 91.4]	0.08
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	82.0	[78.1 - 85.3]	85.9	[83.2 - 88.2]	85.6	[82.4 - 88.2]	0.13
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella typhi* NCTC 8385	81.3	[77.4 - 84.7]	85.9	[83.2 - 88.2]	85.1	[81.9 - 87.8]	0.01
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	85.8	[82.1 - 88.8]	85.8	[83.2 - 88.2]	88.7	[85.8 - 91.0]	0.05
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	81.6	[77.7 - 85.0]	85.8	[83.2 - 88.1]	85.3	[82.1 - 88.0]	0.02
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella typhi* NCTC 8385	85.2	[81.5 - 88.3]	85.8	[83.2 - 88.1]	88.2	[85.3 - 90.6]	0.02
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella choleraesuis* DSM 14846	82.9	[79.1 - 86.2]	85.8	[83.2 - 88.1]	86.4	[83.3 - 89.0]	0.13
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella choleraesuis* DSM 14846	83.2	[79.4 - 86.4]	85.7	[83.1 - 88.1]	86.5	[83.5 - 89.1]	0.04
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella choleraesuis* DSM 14846	86.2	[82.6 - 89.2]	85.7	[83.0 - 88.0]	89.0	[86.1 - 91.3]	0.02
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	85.0	[81.3 - 88.1]	85.6	[82.9 - 87.9]	88.0	[85.1 - 90.5]	0.1
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	84.3	[80.5 - 87.4]	85.5	[82.8 - 87.8]	87.4	[84.4 - 89.9]	0.08
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	85.8	[82.2 - 88.8]	85.5	[82.8 - 87.8]	88.6	[85.7 - 91.0]	0.02
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	84.9	[81.2 - 88.0]	85.4	[82.7 - 87.7]	87.9	[84.9 - 90.3]	0.01
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	85.3	[81.6 - 88.4]	85.4	[82.7 - 87.8]	88.2	[85.3 - 90.6]	0.02

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella typhi* NCTC 8385	84.7	[81.0 - 87.9]	85.2	[82.5 - 87.5]	87.7	[84.7 - 90.2]	0.0
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	90.5	[87.3 - 93.0]	85.0	[82.3 - 87.4]	92.2	[89.8 - 94.1]	0.06
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	88.5	[85.0 - 91.2]	84.9	[82.2 - 87.3]	90.6	[88.0 - 92.8]	0.01
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)**	87.1	[83.6 - 90.0]	84.7	[81.9 - 87.1]	89.6	[86.8 - 91.8]	0.16
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella typhi* NCTC 8385	86.5	[82.9 - 89.5]	84.7	[82.0 - 87.1]	89.1	[86.2 - 91.4]	0.13
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	87.2	[83.7 - 90.1]	84.6	[81.8 - 87.0]	89.6	[86.8 - 91.9]	0.13
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)**	86.1	[82.5 - 89.1]	84.6	[81.8 - 87.0]	88.7	[85.9 - 91.1]	0.22
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella typhi* NCTC 8385	83.8	[80.0 - 87.0]	84.3	[81.6 - 86.8]	86.9	[83.8 - 89.4]	0.07
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	83.5	[79.7 - 86.7]	84.3	[81.5 - 86.7]	86.6	[83.5 - 89.1]	0.15
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	84.6	[80.9 - 87.7]	84.2	[81.5 - 86.7]	87.5	[84.5 - 90.0]	0.09
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	84.2	[80.4 - 87.3]	84.2	[81.5 - 86.7]	87.1	[84.1 - 89.6]	0.06
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	80.5	[76.6 - 83.9]	83.3	[80.5 - 85.8]	83.9	[80.7 - 86.7]	0.28
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella enterica* subsp. *salamae* NCTC 5773	85.1	[81.4 - 88.2]	82.8	[79.9 - 85.3]	87.7	[84.7 - 90.1]	0.19
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	82.4	[78.6 - 85.7]	81.8	[79.0 - 84.4]	85.3	[82.1 - 88.0]	0.39
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella enterica* subsp. *indica* NCTC 12420	73.0	[69.1 - 76.7]	69.0	[66.0 - 71.8]	74.8	[71.3 - 78.0]	0.4
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	61.5	[57.8 - 65.1]	68.7	[65.8 - 71.6]	64.3	[61.0 - 67.5]	0.56
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	65.6	[61.7 - 69.2]	68.6	[65.6 - 71.4]	68.1	[64.6 - 71.3]	0.47

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	76.6	[72.6 - 80.2]	68.6	[65.6 - 71.4]	77.8	[74.4 - 80.9]	0.19
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella enterica* subsp. *salamae* NCTC 5773	80.0	[76.1 - 83.5]	68.5	[65.5 - 71.3]	80.7	[77.3 - 83.7]	0.06
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. salamae' (LS483477)**	63.9	[60.1 - 67.5]	68.5	[65.5 - 71.3]	66.5	[63.1 - 69.7]	0.64
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	70.0	[66.1 - 73.6]	68.4	[65.4 - 71.2]	72.0	[68.5 - 75.2]	0.2
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	71.7	[67.8 - 75.4]	68.4	[65.4 - 71.2]	73.5	[70.0 - 76.7]	0.31
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	72.6	[68.6 - 76.2]	68.3	[65.3 - 71.2]	74.3	[70.8 - 77.5]	0.01
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	72.3	[68.3 - 75.9]	68.3	[65.3 - 71.1]	74.0	[70.5 - 77.2]	0.37
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)**	60.4	[56.8 - 64.0]	68.3	[65.3 - 71.1]	63.3	[59.9 - 66.5]	0.45
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	70.9	[67.0 - 74.6]	68.3	[65.3 - 71.1]	72.8	[69.3 - 76.0]	0.29
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	77.8	[73.8 - 81.3]	68.3	[65.3 - 71.1]	78.7	[75.3 - 81.8]	0.01
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	69.5	[65.6 - 73.2]	68.2	[65.2 - 71.0]	71.5	[68.1 - 74.8]	0.18
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	77.7	[73.7 - 81.3]	68.2	[65.2 - 71.1]	78.7	[75.3 - 81.8]	0.16
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	65.4	[61.6 - 69.0]	68.2	[65.2 - 71.0]	67.9	[64.4 - 71.1]	0.36
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella enterica* subsp. *salamae* NCTC 5773	76.4	[72.4 - 80.0]	68.2	[65.3 - 71.1]	77.6	[74.1 - 80.7]	0.05
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	75.3	[71.3 - 78.8]	68.1	[65.1 - 70.9]	76.5	[73.1 - 79.7]	0.07
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	74.6	[70.6 - 78.2]	68.1	[65.2 - 71.0]	76.0	[72.5 - 79.1]	0.1

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	69.2	[65.3 - 72.9]	68.1	[65.1 - 70.9]	71.3	[67.8 - 74.5]	0.56
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	73.7	[69.7 - 77.3]	68.1	[65.1 - 70.9]	75.2	[71.7 - 78.3]	0.04
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. salamae' (LS483477)**	77.0	[73.0 - 80.6]	68.0	[65.0 - 70.8]	78.0	[74.6 - 81.1]	0.25
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	74.3	[70.3 - 77.9]	67.9	[64.9 - 70.7]	75.7	[72.2 - 78.8]	0.08
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	79.5	[75.5 - 82.9]	67.9	[64.9 - 70.7]	80.1	[76.7 - 83.1]	0.16
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)**	69.0	[65.1 - 72.6]	67.9	[64.9 - 70.7]	71.0	[67.5 - 74.2]	0.29
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	73.5	[69.5 - 77.1]	67.9	[64.9 - 70.7]	75.0	[71.5 - 78.1]	0.34
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	70.2	[66.2 - 73.8]	67.9	[64.9 - 70.7]	72.1	[68.6 - 75.3]	0.18
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. salamae' (LS483477)**	75.5	[71.5 - 79.1]	67.8	[64.8 - 70.7]	76.7	[73.3 - 79.9]	0.14
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	77.3	[73.3 - 80.8]	67.8	[64.8 - 70.7]	78.2	[74.8 - 81.3]	0.35
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	77.2	[73.2 - 80.8]	67.8	[64.8 - 70.6]	78.2	[74.7 - 81.3]	0.05
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	75.4	[71.4 - 79.0]	67.8	[64.8 - 70.6]	76.6	[73.2 - 79.8]	0.2
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	73.4	[69.4 - 77.0]	67.8	[64.8 - 70.6]	74.9	[71.4 - 78.1]	0.14
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	72.3	[68.4 - 76.0]	67.8	[64.8 - 70.6]	73.9	[70.5 - 77.1]	0.55
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	68.9	[65.0 - 72.6]	67.7	[64.7 - 70.5]	70.9	[67.5 - 74.1]	0.34
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella typhimurium* ATCC 13311	75.3	[71.4 - 78.9]	67.7	[64.8 - 70.6]	76.5	[73.1 - 79.7]	0.14
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	75.0	[71.0 - 78.6]	67.7	[64.7 - 70.5]	76.2	[72.8 - 79.4]	0.18

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella enteritidis* ATCC 13076	76.0	[72.0 - 79.6]	67.7	[64.8 - 70.6]	77.1	[73.7 - 80.3]	0.17
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. salamae' (LS483477)**	72.6	[68.7 - 76.3]	67.7	[64.8 - 70.6]	74.2	[70.7 - 77.4]	0.01
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	75.2	[71.2 - 78.8]	67.7	[64.7 - 70.5]	76.4	[72.9 - 79.6]	0.44
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	75.7	[71.7 - 79.2]	67.7	[64.8 - 70.6]	76.8	[73.4 - 80.0]	0.2
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)**	68.3	[64.4 - 72.0]	67.7	[64.8 - 70.6]	70.4	[66.9 - 73.6]	0.23
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	69.7	[65.8 - 73.4]	67.6	[64.6 - 70.4]	71.6	[68.1 - 74.8]	0.12
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	70.7	[66.7 - 74.3]	67.6	[64.6 - 70.4]	72.4	[69.0 - 75.6]	0.39
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella enterica* LT2	73.7	[69.7 - 77.3]	67.6	[64.6 - 70.5]	75.1	[71.6 - 78.3]	0.27
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	71.7	[67.7 - 75.3]	67.6	[64.6 - 70.4]	73.3	[69.9 - 76.6]	0.11
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)**	71.2	[67.3 - 74.9]	67.6	[64.6 - 70.4]	72.9	[69.4 - 76.1]	0.34
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. salamae' (LS483477)**	72.0	[68.0 - 75.6]	67.6	[64.6 - 70.4]	73.6	[70.1 - 76.8]	0.04
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. salamae' (LS483477)**	72.7	[68.7 - 76.3]	67.6	[64.7 - 70.5]	74.2	[70.7 - 77.4]	0.09
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	75.1	[71.1 - 78.7]	67.6	[64.7 - 70.5]	76.3	[72.8 - 79.5]	0.16
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	73.4	[69.4 - 77.0]	67.6	[64.6 - 70.4]	74.9	[71.4 - 78.0]	0.28
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella typhi* NCTC 8385	68.7	[64.8 - 72.4]	67.5	[64.5 - 70.3]	70.7	[67.2 - 73.9]	0.32
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	69.0	[65.1 - 72.6]	67.5	[64.5 - 70.3]	70.9	[67.5 - 74.1]	0.32
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella choleraesuis* DSM 14846	73.0	[69.0 - 76.6]	67.5	[64.5 - 70.3]	74.4	[71.0 - 77.6]	0.17

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)**	68.4	[64.5 - 72.0]	67.5	[64.6 - 70.4]	70.4	[66.9 - 73.6]	0.19
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	76.0	[72.0 - 79.5]	67.5	[64.5 - 70.4]	77.0	[73.6 - 80.2]	0.1
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	74.3	[70.3 - 77.9]	67.5	[64.5 - 70.3]	75.6	[72.1 - 78.7]	0.23
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella enteritidis* ATCC 13076	71.7	[67.8 - 75.4]	67.5	[64.6 - 70.4]	73.4	[69.9 - 76.6]	0.37
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	71.6	[67.6 - 75.2]	67.4	[64.4 - 70.2]	73.2	[69.7 - 76.4]	0.38
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella enteritidis* ATCC 13076	73.6	[69.7 - 77.3]	67.4	[64.5 - 70.3]	75.0	[71.5 - 78.2]	0.26
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella enterica* subsp. *salamae* NCTC 5773	75.4	[71.4 - 79.0]	67.4	[64.4 - 70.3]	76.5	[73.1 - 79.7]	0.07
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella typhimurium* JCM 1652	74.9	[70.9 - 78.5]	67.4	[64.5 - 70.3]	76.1	[72.7 - 79.3]	0.09
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella typhimurium* ATCC 13311	74.3	[70.4 - 78.0]	67.4	[64.4 - 70.2]	75.6	[72.1 - 78.8]	0.23
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella typhi* NCTC 8385	69.8	[65.9 - 73.5]	67.4	[64.4 - 70.3]	71.7	[68.2 - 74.9]	0.21
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	72.7	[68.7 - 76.4]	67.4	[64.5 - 70.3]	74.2	[70.7 - 77.4]	0.12
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella typhi* NCTC 8385	72.6	[68.6 - 76.2]	67.3	[64.4 - 70.2]	74.1	[70.6 - 77.3]	0.12
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella enterica* subsp. *salamae* NCTC 5773	79.3	[75.3 - 82.8]	67.3	[64.3 - 70.1]	79.8	[76.4 - 82.9]	0.0
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	74.9	[70.9 - 78.5]	67.3	[64.4 - 70.2]	76.0	[72.6 - 79.2]	0.27
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)**	73.0	[69.1 - 76.7]	67.2	[64.2 - 70.0]	74.4	[71.0 - 77.6]	0.45
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	70.4	[66.4 - 74.0]	67.2	[64.2 - 70.0]	72.1	[68.6 - 75.3]	0.08
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	70.4	[66.5 - 74.0]	67.2	[64.2 - 70.0]	72.1	[68.6 - 75.3]	0.21

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella enterica* LT2	72.2	[68.2 - 75.8]	67.1	[64.1 - 70.0]	73.7	[70.2 - 76.9]	0.36
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella enterica* subsp. *salamae* NCTC 5773	77.6	[73.6 - 81.1]	67.1	[64.1 - 69.9]	78.3	[74.9 - 81.4]	0.08
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	70.7	[66.8 - 74.4]	67.1	[64.2 - 70.0]	72.4	[68.9 - 75.6]	0.2
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	73.2	[69.3 - 76.9]	67.1	[64.1 - 69.9]	74.6	[71.1 - 77.8]	0.23
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella choleraesuis* DSM 14846	69.6	[65.6 - 73.2]	67.0	[64.1 - 69.9]	71.3	[67.9 - 74.6]	0.37
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	72.9	[68.9 - 76.5]	67.0	[64.0 - 69.9]	74.2	[70.8 - 77.4]	0.57
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	75.9	[71.9 - 79.4]	67.0	[64.0 - 69.8]	76.8	[73.4 - 80.0]	0.11
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	68.9	[65.0 - 72.6]	67.0	[64.0 - 69.8]	70.8	[67.3 - 74.0]	0.31
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella typhimurium* JCM 1652	73.9	[69.9 - 77.5]	67.0	[64.1 - 69.9]	75.2	[71.7 - 78.3]	0.18
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella choleraesuis* DSM 14846	71.7	[67.7 - 75.3]	67.0	[64.1 - 69.9]	73.2	[69.8 - 76.4]	0.26
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella typhimurium* ATCC 13311	72.4	[68.4 - 76.0]	66.9	[64.0 - 69.8]	73.8	[70.3 - 77.0]	0.34
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	64.1	[60.3 - 67.7]	66.8	[63.8 - 69.7]	66.4	[63.0 - 69.6]	0.84
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella enterica* LT2	70.1	[66.2 - 73.7]	66.8	[63.9 - 69.7]	71.8	[68.3 - 75.0]	0.47
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	71.4	[67.4 - 75.0]	66.8	[63.8 - 69.6]	72.9	[69.4 - 76.1]	0.31
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	73.0	[69.0 - 76.6]	66.7	[63.8 - 69.6]	74.3	[70.8 - 77.5]	0.2
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella typhimurium* JCM 1652	71.9	[67.9 - 75.5]	66.7	[63.7 - 69.5]	73.3	[69.8 - 76.5]	0.29

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	78.4	[74.4 - 81.9]	66.6	[63.7 - 69.5]	78.9	[75.5 - 82.0]	0.38
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	78.9	[74.9 - 82.4]	66.5	[63.5 - 69.3]	79.3	[75.9 - 82.4]	0.35
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	76.3	[72.3 - 79.9]	65.6	[62.6 - 68.4]	76.9	[73.5 - 80.1]	0.44
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	74.9	[70.9 - 78.5]	65.5	[62.5 - 68.3]	75.7	[72.2 - 78.8]	0.38
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	73.6	[69.6 - 77.2]	65.4	[62.4 - 68.2]	74.5	[71.0 - 77.7]	0.33
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	73.0	[69.1 - 76.7]	65.3	[62.4 - 68.2]	74.0	[70.6 - 77.2]	0.59
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	75.4	[71.4 - 79.0]	65.3	[62.4 - 68.2]	76.1	[72.6 - 79.2]	0.35
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella enterica* subsp. *indica* NCTC 12420	71.4	[67.5 - 75.1]	65.3	[62.4 - 68.2]	72.6	[69.2 - 75.8]	0.54
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	76.9	[73.0 - 80.5]	65.2	[62.3 - 68.1]	77.4	[73.9 - 80.5]	0.54
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella enteritidis* ATCC 13076	78.1	[74.2 - 81.6]	65.2	[62.2 - 68.0]	78.4	[74.9 - 81.4]	0.36
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	77.6	[73.6 - 81.1]	65.2	[62.2 - 68.0]	77.9	[74.4 - 81.0]	0.33
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella enterica* LT2	76.8	[72.8 - 80.4]	65.2	[62.2 - 68.0]	77.2	[73.8 - 80.4]	0.46
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella typhimurium* ATCC 13311	75.2	[71.2 - 78.8]	65.2	[62.2 - 68.0]	75.9	[72.4 - 79.1]	0.34
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella enterica* subsp. *indica* NCTC 12420	72.5	[68.6 - 76.2]	65.1	[62.1 - 67.9]	73.5	[70.1 - 76.7]	0.6
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella enterica* subsp. *indica* NCTC 12420	74.8	[70.8 - 78.4]	65.1	[62.1 - 67.9]	75.5	[72.0 - 78.6]	0.65
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	73.1	[69.1 - 76.7]	65.1	[62.1 - 67.9]	74.0	[70.5 - 77.2]	0.3
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	70.4	[66.4 - 74.0]	65.0	[62.0 - 67.8]	71.6	[68.1 - 74.8]	0.51

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	73.4	[69.4 - 77.0]	65.0	[62.1 - 67.8]	74.2	[70.8 - 77.4]	0.27
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	72.1	[68.1 - 75.7]	65.0	[62.0 - 67.8]	73.1	[69.6 - 76.3]	0.2
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	65.3	[61.5 - 68.9]	65.0	[62.0 - 67.8]	67.1	[63.7 - 70.3]	0.39
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	69.8	[65.9 - 73.4]	65.0	[62.1 - 67.9]	71.1	[67.7 - 74.3]	0.11
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	76.0	[72.0 - 79.6]	64.9	[61.9 - 67.7]	76.5	[73.0 - 79.6]	0.39
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	74.3	[70.3 - 77.9]	64.9	[62.0 - 67.7]	75.0	[71.5 - 78.2]	0.75
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella typhimurium* JCM 1652	74.9	[70.9 - 78.5]	64.9	[62.0 - 67.7]	75.6	[72.1 - 78.7]	0.28
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	77.3	[73.4 - 80.9]	64.9	[62.0 - 67.7]	77.6	[74.2 - 80.7]	0.41
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	74.4	[70.4 - 78.0]	64.8	[61.8 - 67.6]	75.1	[71.6 - 78.3]	0.3
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella enterica* subsp. *indica* NCTC 12420	71.5	[67.6 - 75.2]	64.8	[61.9 - 67.7]	72.6	[69.1 - 75.8]	0.52
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	76.4	[72.4 - 80.0]	64.8	[61.9 - 67.6]	76.8	[73.3 - 79.9]	0.51
'Salmonella enterica subsp. salamae' (LS483477)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	67.5	[63.6 - 71.1]	64.8	[61.9 - 67.7]	69.0	[65.6 - 72.3]	0.48
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella typhimurium* ATCC 13311	76.4	[72.4 - 79.9]	64.8	[61.9 - 67.7]	76.8	[73.3 - 79.9]	0.31
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	70.1	[66.1 - 73.7]	64.8	[61.9 - 67.6]	71.3	[67.9 - 74.6]	0.39
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	75.0	[71.0 - 78.6]	64.8	[61.8 - 67.6]	75.6	[72.1 - 78.8]	0.36
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	68.9	[65.0 - 72.5]	64.7	[61.8 - 67.6]	70.3	[66.8 - 73.5]	0.49
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella enterica* LT2	75.7	[71.7 - 79.3]	64.7	[61.8 - 67.5]	76.2	[72.7 - 79.3]	0.43

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	73.5	[69.6 - 77.2]	64.7	[61.8 - 67.5]	74.3	[70.8 - 77.5]	0.54
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella choleraesuis* DSM 14846	74.3	[70.4 - 78.0]	64.7	[61.8 - 67.6]	75.0	[71.5 - 78.2]	0.36
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	73.6	[69.6 - 77.2]	64.7	[61.8 - 67.5]	74.4	[70.9 - 77.6]	0.28
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	76.4	[72.4 - 80.0]	64.6	[61.7 - 67.4]	76.8	[73.3 - 79.9]	0.3
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	71.6	[67.7 - 75.3]	64.6	[61.7 - 67.4]	72.6	[69.2 - 75.9]	0.15
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	72.9	[68.9 - 76.5]	64.6	[61.7 - 67.4]	73.7	[70.2 - 76.9]	0.25
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella typhimurium* JCM 1652	76.0	[72.0 - 79.6]	64.6	[61.6 - 67.4]	76.4	[72.9 - 79.5]	0.25
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	68.2	[64.3 - 71.8]	64.6	[61.7 - 67.4]	69.6	[66.2 - 72.8]	0.44
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella enterica* subsp. *indica* NCTC 12420	68.6	[64.7 - 72.2]	64.6	[61.7 - 67.4]	70.0	[66.5 - 73.2]	0.52
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	72.9	[68.9 - 76.5]	64.6	[61.6 - 67.4]	73.7	[70.2 - 76.9]	0.23
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella enteritidis* ATCC 13076	76.9	[72.9 - 80.4]	64.6	[61.7 - 67.4]	77.2	[73.7 - 80.3]	0.33
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	64.8	[61.0 - 68.5]	64.5	[61.6 - 67.3]	66.6	[63.2 - 69.8]	0.28
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	68.7	[64.8 - 72.4]	64.5	[61.5 - 67.3]	70.0	[66.6 - 73.3]	0.0
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	72.1	[68.1 - 75.7]	64.5	[61.6 - 67.3]	73.0	[69.5 - 76.2]	0.2
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella choleraesuis* DSM 14846	74.4	[70.4 - 78.0]	64.5	[61.6 - 67.3]	75.0	[71.5 - 78.2]	0.33
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	73.5	[69.5 - 77.1]	64.5	[61.5 - 67.3]	74.2	[70.7 - 77.4]	0.31
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)**	68.8	[64.9 - 72.5]	64.4	[61.5 - 67.3]	70.2	[66.7 - 73.4]	0.05

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	67.2	[63.3 - 70.8]	64.4	[61.5 - 67.2]	68.6	[65.2 - 71.9]	0.22
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. salamae' (LS483477)**	69.6	[65.7 - 73.2]	64.4	[61.5 - 67.3]	70.8	[67.4 - 74.0]	0.31
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	73.1	[69.1 - 76.7]	64.4	[61.5 - 67.3]	73.9	[70.4 - 77.1]	0.18
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella typhi* NCTC 8385	73.4	[69.5 - 77.1]	64.4	[61.5 - 67.2]	74.2	[70.7 - 77.4]	0.31
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	67.8	[63.9 - 71.5]	64.3	[61.3 - 67.1]	69.2	[65.8 - 72.4]	0.15
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	69.3	[65.4 - 72.9]	64.3	[61.4 - 67.2]	70.5	[67.1 - 73.8]	0.67
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. salamae' (LS483477)**	68.9	[65.0 - 72.5]	64.2	[61.3 - 67.0]	70.2	[66.7 - 73.4]	0.24
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	75.9	[71.9 - 79.5]	64.2	[61.3 - 67.0]	76.3	[72.8 - 79.4]	0.31
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	72.8	[68.8 - 76.4]	64.2	[61.3 - 67.0]	73.5	[70.1 - 76.7]	0.28
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella typhi* NCTC 8385	72.7	[68.7 - 76.3]	64.1	[61.2 - 67.0]	73.5	[70.0 - 76.7]	0.28
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	75.3	[71.3 - 78.8]	64.0	[61.0 - 66.8]	75.6	[72.1 - 78.8]	0.28
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	69.7	[65.8 - 73.3]	63.9	[61.0 - 66.7]	70.8	[67.3 - 74.0]	0.44
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. houtenae' (JWSP00000000)**	67.0	[63.2 - 70.7]	63.9	[61.0 - 66.7]	68.4	[65.0 - 71.6]	0.11
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	71.3	[67.3 - 74.9]	63.9	[61.0 - 66.7]	72.2	[68.7 - 75.4]	0.5
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	72.6	[68.6 - 76.3]	63.1	[60.2 - 65.9]	73.1	[69.7 - 76.4]	0.18
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	63.3	[59.6 - 66.9]	63.0	[60.1 - 65.8]	64.9	[61.5 - 68.1]	0.45
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	72.6	[68.6 - 76.2]	63.0	[60.1 - 65.9]	73.1	[69.6 - 76.3]	0.21

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	68.8	[64.9 - 72.5]	63.0	[60.1 - 65.8]	69.8	[66.4 - 73.1]	0.03
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	60.0	[56.3 - 63.5]	62.9	[60.0 - 65.7]	61.8	[58.5 - 65.0]	0.24
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	68.7	[64.8 - 72.3]	62.9	[60.0 - 65.7]	69.7	[66.2 - 72.9]	0.36
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	63.5	[59.7 - 67.1]	62.9	[60.0 - 65.7]	65.0	[61.7 - 68.3]	0.48
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	68.6	[64.7 - 72.3]	62.8	[59.9 - 65.6]	69.6	[66.1 - 72.8]	0.4
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	70.0	[66.1 - 73.7]	62.2	[59.3 - 65.0]	70.7	[67.2 - 73.9]	0.56
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella typhimurium* ATCC 13311	69.7	[65.7 - 73.3]	62.1	[59.2 - 64.9]	70.3	[66.9 - 73.6]	0.52
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	68.5	[64.6 - 72.2]	62.1	[59.2 - 64.9]	69.3	[65.9 - 72.6]	0.51
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	70.9	[67.0 - 74.6]	62.1	[59.2 - 64.9]	71.5	[68.0 - 74.7]	0.63
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	61.2	[57.5 - 64.8]	62.1	[59.2 - 64.9]	62.8	[59.5 - 66.0]	0.83
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)**	62.1	[58.4 - 65.7]	62.1	[59.2 - 64.9]	63.6	[60.3 - 66.9]	0.9
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	65.6	[61.7 - 69.2]	62.0	[59.1 - 64.8]	66.7	[63.3 - 69.9]	0.69
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	69.3	[65.4 - 72.9]	62.0	[59.1 - 64.8]	70.0	[66.6 - 73.2]	0.51
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella enteritidis* ATCC 13076	69.7	[65.8 - 73.4]	62.0	[59.1 - 64.8]	70.4	[66.9 - 73.6]	0.54
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	63.4	[59.6 - 67.0]	62.0	[59.2 - 64.8]	64.8	[61.4 - 68.0]	0.66
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	60.3	[56.6 - 63.8]	61.9	[59.0 - 64.7]	61.9	[58.6 - 65.1]	0.79

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	68.5	[64.6 - 72.1]	61.9	[59.1 - 64.7]	69.3	[65.9 - 72.5]	0.81
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)**	61.0	[57.3 - 64.5]	61.9	[59.0 - 64.7]	62.5	[59.2 - 65.7]	0.78
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella enteritidis* ATCC 13076	61.3	[57.6 - 64.9]	61.9	[59.0 - 64.7]	62.9	[59.6 - 66.1]	0.81
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	65.1	[61.3 - 68.8]	61.9	[59.0 - 64.7]	66.3	[62.9 - 69.5]	0.7
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	65.8	[61.9 - 69.4]	61.9	[59.1 - 64.7]	66.9	[63.5 - 70.1]	0.37
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	68.2	[64.3 - 71.8]	61.8	[58.9 - 64.6]	69.0	[65.5 - 72.2]	0.49
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	71.0	[67.0 - 74.6]	61.8	[58.9 - 64.5]	71.4	[67.9 - 74.6]	0.57
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella enterica* LT2	67.8	[64.0 - 71.5]	61.8	[58.9 - 64.6]	68.7	[65.2 - 71.9]	0.64
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	67.6	[63.7 - 71.2]	61.8	[59.0 - 64.6]	68.4	[65.0 - 71.7]	0.48
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella typhimurium* ATCC 13311	60.3	[56.6 - 63.9]	61.8	[58.9 - 64.6]	61.9	[58.6 - 65.1]	0.79
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella typhimurium* JCM 1652	69.3	[65.4 - 73.0]	61.8	[58.9 - 64.6]	70.0	[66.5 - 73.2]	0.47
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	71.3	[67.3 - 74.9]	61.8	[58.9 - 64.6]	71.7	[68.2 - 74.9]	0.72
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	67.4	[63.5 - 71.0]	61.8	[58.9 - 64.6]	68.3	[64.9 - 71.5]	0.74
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	62.3	[58.6 - 65.9]	61.8	[58.9 - 64.6]	63.8	[60.4 - 67.0]	0.99
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	67.2	[63.3 - 70.8]	61.7	[58.9 - 64.5]	68.1	[64.7 - 71.3]	0.75
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	64.6	[60.8 - 68.3]	61.7	[58.8 - 64.5]	65.8	[62.4 - 69.0]	0.68

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	62.1	[58.4 - 65.7]	61.7	[58.9 - 64.5]	63.5	[60.2 - 66.8]	0.84
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella enterica* LT2	60.2	[56.5 - 63.7]	61.7	[58.8 - 64.5]	61.8	[58.5 - 65.0]	0.91
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)**	58.2	[54.6 - 61.8]	61.7	[58.9 - 64.5]	60.0	[56.8 - 63.2]	0.64
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	68.8	[64.9 - 72.5]	61.7	[58.8 - 64.5]	69.5	[66.1 - 72.8]	0.46
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	64.6	[60.8 - 68.3]	61.6	[58.7 - 64.4]	65.8	[62.4 - 69.0]	0.67
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	64.6	[60.8 - 68.2]	61.6	[58.8 - 64.4]	65.8	[62.4 - 69.0]	0.65
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella typhimurium* JCM 1652	59.9	[56.2 - 63.4]	61.6	[58.8 - 64.4]	61.5	[58.2 - 64.7]	0.74
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	64.1	[60.4 - 67.8]	61.6	[58.7 - 64.4]	65.4	[62.0 - 68.6]	0.59
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	68.7	[64.8 - 72.4]	61.5	[58.6 - 64.3]	69.4	[65.9 - 72.6]	0.9
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	63.0	[59.3 - 66.6]	61.5	[58.7 - 64.3]	64.3	[61.0 - 67.5]	0.55
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	60.5	[56.8 - 64.1]	61.5	[58.7 - 64.3]	62.0	[58.7 - 65.2]	0.76
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	59.0	[55.3 - 62.5]	61.5	[58.6 - 64.3]	60.6	[57.4 - 63.8]	0.75
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella choleraesuis* DSM 14846	58.3	[54.7 - 61.9]	61.5	[58.6 - 64.3]	60.1	[56.8 - 63.2]	0.81
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)**	60.2	[56.5 - 63.7]	61.4	[58.6 - 64.2]	61.7	[58.4 - 64.9]	0.74
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella choleraesuis* DSM 14846	66.7	[62.8 - 70.3]	61.4	[58.6 - 64.2]	67.6	[64.2 - 70.8]	0.54

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	68.4	[64.5 - 72.0]	61.4	[58.6 - 64.2]	69.1	[65.6 - 72.3]	0.41
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)**	59.7	[56.1 - 63.3]	61.3	[58.4 - 64.1]	61.3	[58.0 - 64.5]	0.68
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella typhi* NCTC 8385	68.5	[64.6 - 72.1]	61.3	[58.5 - 64.1]	69.1	[65.7 - 72.4]	0.49
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	68.5	[64.6 - 72.2]	61.3	[58.5 - 64.1]	69.2	[65.7 - 72.4]	0.5
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	73.3	[69.3 - 76.9]	61.2	[58.3 - 64.0]	73.2	[69.8 - 76.5]	0.17
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	64.4	[60.6 - 68.0]	61.2	[58.4 - 64.0]	65.5	[62.1 - 68.7]	0.44
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	60.2	[56.5 - 63.7]	61.2	[58.3 - 64.0]	61.7	[58.4 - 64.9]	0.77
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella typhi* NCTC 8385	60.2	[56.6 - 63.8]	61.1	[58.3 - 63.9]	61.7	[58.4 - 64.9]	0.76
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	65.3	[61.4 - 68.9]	61.0	[58.2 - 63.8]	66.2	[62.8 - 69.4]	0.07
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	68.4	[64.5 - 72.0]	61.0	[58.1 - 63.7]	69.0	[65.5 - 72.2]	0.11
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. houtenae' (JWSP00000000)**	62.2	[58.5 - 65.8]	61.0	[58.1 - 63.8]	63.5	[60.1 - 66.7]	0.33
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	60.4	[56.8 - 64.0]	60.9	[58.1 - 63.7]	61.9	[58.6 - 65.1]	0.16
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	67.6	[63.7 - 71.3]	60.9	[58.1 - 63.7]	68.3	[64.9 - 71.5]	0.24
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	67.6	[63.7 - 71.3]	60.9	[58.0 - 63.6]	68.3	[64.8 - 71.5]	0.31
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	70.5	[66.6 - 74.2]	60.9	[58.0 - 63.7]	70.8	[67.4 - 74.1]	0.06

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)**	61.9	[58.1 - 65.4]	60.9	[58.0 - 63.7]	63.1	[59.8 - 66.3]	0.4
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	71.9	[68.0 - 75.6]	60.8	[58.0 - 63.6]	72.0	[68.5 - 75.2]	0.13
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	68.6	[64.7 - 72.2]	60.7	[57.9 - 63.5]	69.1	[65.6 - 72.3]	0.31
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	71.0	[67.0 - 74.6]	60.7	[57.8 - 63.4]	71.1	[67.7 - 74.4]	0.4
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	71.9	[68.0 - 75.6]	60.6	[57.8 - 63.4]	72.0	[68.5 - 75.2]	0.55
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	71.3	[67.3 - 74.9]	60.6	[57.7 - 63.3]	71.4	[67.9 - 74.6]	0.34
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	71.6	[67.6 - 75.2]	60.6	[57.7 - 63.3]	71.6	[68.2 - 74.9]	0.01
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	72.8	[68.9 - 76.5]	60.6	[57.7 - 63.4]	72.7	[69.3 - 76.0]	0.45
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	65.3	[61.4 - 68.9]	60.5	[57.7 - 63.3]	66.1	[62.7 - 69.3]	0.16
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella typhimurium* ATCC 13311	68.4	[64.5 - 72.0]	60.5	[57.7 - 63.3]	68.8	[65.4 - 72.1]	0.46
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	66.3	[62.5 - 69.9]	60.5	[57.6 - 63.3]	67.0	[63.6 - 70.3]	0.29
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	65.7	[61.9 - 69.4]	60.5	[57.6 - 63.3]	66.5	[63.1 - 69.8]	0.09
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	66.6	[62.7 - 70.2]	60.5	[57.6 - 63.3]	67.3	[63.9 - 70.5]	0.19
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. houtenae' (JWSP00000000)**	70.6	[66.6 - 74.2]	60.4	[57.5 - 63.1]	70.7	[67.3 - 73.9]	0.56
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)**	66.8	[62.9 - 70.4]	60.4	[57.5 - 63.2]	67.4	[64.0 - 70.7]	0.38
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	65.4	[61.6 - 69.1]	60.4	[57.5 - 63.1]	66.2	[62.8 - 69.5]	0.08
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella enteritidis* ATCC 13076	67.2	[63.4 - 70.9]	60.4	[57.5 - 63.1]	67.8	[64.4 - 71.0]	0.41

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella enterica* LT2	66.2	[62.4 - 69.9]	60.4	[57.6 - 63.2]	66.9	[63.5 - 70.2]	0.58
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	68.4	[64.5 - 72.1]	60.3	[57.4 - 63.1]	68.8	[65.4 - 72.1]	0.32
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	73.4	[69.4 - 77.0]	60.3	[57.5 - 63.1]	73.1	[69.7 - 76.3]	0.04
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	70.7	[66.8 - 74.4]	60.3	[57.5 - 63.1]	70.9	[67.4 - 74.1]	0.34
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella typhimurium* ATCC 13311	67.2	[63.4 - 70.9]	60.3	[57.4 - 63.0]	67.8	[64.4 - 71.0]	0.63
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	71.5	[67.6 - 75.2]	60.3	[57.5 - 63.1]	71.5	[68.1 - 74.8]	0.39
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	69.0	[65.1 - 72.7]	60.3	[57.5 - 63.1]	69.4	[65.9 - 72.6]	0.32
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	65.0	[61.2 - 68.6]	60.3	[57.5 - 63.1]	65.8	[62.4 - 69.0]	0.6
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	69.5	[65.6 - 73.2]	60.2	[57.3 - 62.9]	69.8	[66.3 - 73.0]	0.29
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	67.6	[63.7 - 71.2]	60.2	[57.4 - 63.0]	68.1	[64.7 - 71.3]	0.44
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella typhimurium* JCM 1652	67.9	[64.0 - 71.5]	60.2	[57.4 - 63.0]	68.3	[64.9 - 71.6]	0.41
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)**	68.2	[64.3 - 71.9]	60.2	[57.4 - 63.0]	68.7	[65.2 - 71.9]	0.5
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	69.6	[65.7 - 73.3]	60.2	[57.3 - 63.0]	69.8	[66.4 - 73.1]	0.73
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	66.0	[62.2 - 69.7]	60.2	[57.4 - 63.0]	66.7	[63.3 - 70.0]	0.45
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	66.8	[62.9 - 70.4]	60.2	[57.3 - 63.0]	67.4	[64.0 - 70.6]	0.38
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella enteritidis* ATCC 13076	66.3	[62.5 - 69.9]	60.2	[57.3 - 62.9]	66.9	[63.5 - 70.2]	0.65
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	68.2	[64.3 - 71.8]	60.2	[57.3 - 62.9]	68.6	[65.2 - 71.8]	0.59

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella enterica* LT2	65.4	[61.6 - 69.0]	60.2	[57.4 - 63.0]	66.2	[62.8 - 69.4]	0.75
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella enteritidis* ATCC 13076	67.7	[63.8 - 71.4]	60.2	[57.4 - 63.0]	68.2	[64.8 - 71.4]	0.48
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	65.6	[61.8 - 69.3]	60.2	[57.4 - 63.0]	66.4	[63.0 - 69.6]	0.42
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)**	63.8	[60.0 - 67.4]	60.1	[57.3 - 62.9]	64.7	[61.3 - 67.9]	0.31
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	69.4	[65.4 - 73.0]	60.1	[57.2 - 62.8]	69.6	[66.2 - 72.8]	0.66
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	62.5	[58.8 - 66.1]	60.1	[57.2 - 62.8]	63.6	[60.3 - 66.8]	0.48
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	68.3	[64.5 - 72.0]	60.1	[57.2 - 62.8]	68.7	[65.3 - 72.0]	0.05
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	67.7	[63.9 - 71.4]	60.1	[57.2 - 62.9]	68.2	[64.8 - 71.4]	0.43
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	68.5	[64.6 - 72.2]	60.1	[57.2 - 62.9]	68.9	[65.4 - 72.1]	0.12
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	69.3	[65.4 - 73.0]	60.1	[57.2 - 62.8]	69.6	[66.1 - 72.8]	0.5
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)**	63.4	[59.6 - 67.0]	60.1	[57.2 - 62.8]	64.3	[61.0 - 67.6]	0.24
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	67.1	[63.3 - 70.8]	60.1	[57.2 - 62.9]	67.7	[64.3 - 70.9]	0.43
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella typhimurium* ATCC 13311	68.5	[64.6 - 72.1]	60.1	[57.3 - 62.9]	68.9	[65.4 - 72.1]	0.39
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	69.2	[65.3 - 72.8]	60.0	[57.1 - 62.7]	69.4	[66.0 - 72.7]	0.24
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	64.6	[60.8 - 68.3]	60.0	[57.2 - 62.8]	65.4	[62.1 - 68.7]	0.59
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	65.0	[61.2 - 68.6]	60.0	[57.2 - 62.8]	65.7	[62.4 - 69.0]	0.62
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella enterica* LT2	65.7	[61.9 - 69.3]	60.0	[57.1 - 62.8]	66.4	[63.0 - 69.6]	0.51

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella choleraesuis* DSM 14846	65.4	[61.6 - 69.0]	60.0	[57.2 - 62.8]	66.1	[62.7 - 69.3]	0.48
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	69.9	[66.0 - 73.6]	60.0	[57.1 - 62.7]	70.0	[66.6 - 73.3]	0.33
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	66.5	[62.7 - 70.1]	60.0	[57.1 - 62.7]	67.1	[63.7 - 70.3]	0.62
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	65.5	[61.6 - 69.1]	60.0	[57.2 - 62.8]	66.2	[62.8 - 69.4]	0.35
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	65.5	[61.7 - 69.1]	60.0	[57.2 - 62.8]	66.2	[62.8 - 69.4]	0.36
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella typhimurium* JCM 1652	66.8	[63.0 - 70.5]	60.0	[57.2 - 62.8]	67.4	[64.0 - 70.6]	0.58
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. houtenae' (JWSP00000000)**	67.9	[64.1 - 71.6]	60.0	[57.2 - 62.8]	68.4	[64.9 - 71.6]	0.45
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	68.2	[64.3 - 71.9]	59.9	[57.1 - 62.7]	68.6	[65.1 - 71.8]	0.51
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella typhi* NCTC 8385	65.1	[61.3 - 68.7]	59.9	[57.0 - 62.7]	65.8	[62.5 - 69.1]	0.43
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	68.2	[64.3 - 71.8]	59.9	[57.1 - 62.7]	68.5	[65.1 - 71.8]	0.67
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	64.8	[61.0 - 68.4]	59.9	[57.1 - 62.7]	65.5	[62.1 - 68.7]	0.57
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	67.8	[64.0 - 71.5]	59.9	[57.1 - 62.7]	68.3	[64.8 - 71.5]	0.83
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella typhi* NCTC 8385	65.0	[61.2 - 68.7]	59.8	[57.0 - 62.6]	65.8	[62.4 - 69.0]	0.36
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella typhimurium* JCM 1652	67.9	[64.0 - 71.5]	59.8	[57.0 - 62.6]	68.3	[64.8 - 71.5]	0.34
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. houtenae' (JWSP00000000)**	65.0	[61.1 - 68.6]	59.8	[56.9 - 62.5]	65.7	[62.3 - 68.9]	0.35
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	65.3	[61.5 - 68.9]	59.8	[56.9 - 62.5]	66.0	[62.6 - 69.2]	0.37
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)**	65.4	[61.5 - 69.0]	59.8	[57.0 - 62.6]	66.0	[62.7 - 69.3]	0.33

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. houtenae' (JWSP00000000)**	65.8	[61.9 - 69.4]	59.8	[57.0 - 62.6]	66.4	[63.0 - 69.6]	0.4
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	65.4	[61.6 - 69.0]	59.8	[57.0 - 62.6]	66.1	[62.7 - 69.3]	0.44
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	67.3	[63.4 - 71.0]	59.8	[57.0 - 62.6]	67.8	[64.3 - 71.0]	0.68
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	68.7	[64.8 - 72.4]	59.8	[56.9 - 62.6]	69.0	[65.6 - 72.2]	0.08
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	70.2	[66.3 - 73.9]	59.8	[56.9 - 62.5]	70.3	[66.8 - 73.5]	0.15
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella choleraesuis* DSM 14846	64.7	[60.9 - 68.3]	59.7	[56.8 - 62.4]	65.4	[62.1 - 68.7]	0.41
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)**	64.7	[60.9 - 68.3]	59.7	[56.9 - 62.5]	65.4	[62.1 - 68.7]	0.28
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	63.8	[60.1 - 67.5]	59.7	[56.9 - 62.5]	64.7	[61.3 - 67.9]	0.52
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella typhi* NCTC 8385	63.7	[60.0 - 67.3]	59.7	[56.9 - 62.5]	64.6	[61.2 - 67.8]	0.6
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella choleraesuis* DSM 14846	65.1	[61.3 - 68.8]	59.7	[56.9 - 62.5]	65.8	[62.4 - 69.1]	0.65
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	64.1	[60.3 - 67.7]	59.6	[56.8 - 62.4]	64.8	[61.5 - 68.1]	0.61
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	77.3	[73.3 - 80.8]	54.5	[51.8 - 57.2]	74.8	[71.3 - 78.0]	0.1
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	77.3	[73.3 - 80.8]	54.5	[51.8 - 57.2]	74.8	[71.3 - 78.0]	0.1
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)**	66.4	[62.5 - 70.0]	54.5	[51.8 - 57.2]	65.6	[62.2 - 68.8]	0.17
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)**	77.3	[73.3 - 80.8]	54.5	[51.8 - 57.2]	74.8	[71.3 - 78.0]	0.1
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)**	66.4	[62.5 - 70.0]	54.5	[51.8 - 57.2]	65.6	[62.2 - 68.8]	0.17

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)**	66.4	[62.5 - 70.0]	54.5	[51.8 - 57.2]	65.6	[62.2 - 68.8]	0.17
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	73.4	[69.4 - 77.0]	54.4	[51.6 - 57.1]	71.5	[68.0 - 74.7]	0.08
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	73.4	[69.4 - 77.0]	54.4	[51.6 - 57.1]	71.5	[68.0 - 74.7]	0.08
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella enterica* subsp. *diarizonae* NCTC 10060	73.4	[69.4 - 77.0]	54.4	[51.7 - 57.1]	71.5	[68.0 - 74.7]	0.08
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. salamae' (LS483477)**	70.7	[66.7 - 74.3]	54.2	[51.4 - 56.8]	69.2	[65.7 - 72.4]	0.48
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	65.7	[61.9 - 69.3]	54.2	[51.5 - 56.9]	64.9	[61.6 - 68.2]	0.2
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. salamae' (LS483477)**	70.7	[66.7 - 74.3]	54.2	[51.5 - 56.9]	69.2	[65.7 - 72.4]	0.47
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. salamae' (LS483477)**	70.7	[66.7 - 74.3]	54.2	[51.5 - 56.9]	69.2	[65.8 - 72.4]	0.48
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	68.4	[64.5 - 72.1]	54.1	[51.4 - 56.8]	67.3	[63.9 - 70.5]	0.39
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)**	67.8	[63.9 - 71.5]	54.1	[51.4 - 56.8]	66.7	[63.3 - 70.0]	0.27
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	68.4	[64.5 - 72.1]	54.1	[51.4 - 56.8]	67.3	[63.8 - 70.5]	0.39
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)**	67.8	[63.9 - 71.4]	54.1	[51.4 - 56.8]	66.7	[63.3 - 70.0]	0.28
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)**	67.8	[63.9 - 71.5]	54.1	[51.4 - 56.8]	66.7	[63.3 - 70.0]	0.28
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)**	68.5	[64.6 - 72.2]	54.0	[51.3 - 56.7]	67.3	[63.9 - 70.6]	0.38
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	75.6	[71.7 - 79.2]	54.0	[51.3 - 56.7]	73.3	[69.8 - 76.5]	0.07
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	70.7	[66.8 - 74.4]	53.9	[51.1 - 56.5]	69.1	[65.7 - 72.3]	0.45

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	72.8	[68.9 - 76.5]	53.6	[50.9 - 56.3]	70.8	[67.4 - 74.1]	0.66
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	72.8	[68.8 - 76.4]	53.6	[50.9 - 56.3]	70.8	[67.3 - 74.0]	0.67
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella enterica* subsp. *salamae* NCTC 5773	72.8	[68.8 - 76.4]	53.6	[50.9 - 56.3]	70.8	[67.3 - 74.0]	0.67
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	67.5	[63.6 - 71.1]	53.6	[50.9 - 56.3]	66.3	[62.9 - 69.5]	0.25
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	69.3	[65.3 - 72.9]	53.5	[50.8 - 56.1]	67.8	[64.4 - 71.0]	0.36
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)**	72.6	[68.7 - 76.3]	52.3	[49.6 - 54.9]	70.2	[66.8 - 73.5]	0.23
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	74.6	[70.6 - 78.2]	52.3	[49.6 - 54.9]	71.9	[68.4 - 75.1]	0.27
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	74.6	[70.6 - 78.2]	52.2	[49.5 - 54.9]	71.9	[68.4 - 75.1]	0.28
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)**	72.7	[68.8 - 76.4]	52.2	[49.5 - 54.8]	70.3	[66.9 - 73.6]	0.23
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)**	67.6	[63.8 - 71.3]	52.2	[49.5 - 54.8]	66.0	[62.6 - 69.3]	0.62
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella enteritidis* ATCC 13076	68.1	[64.2 - 71.8]	52.2	[49.5 - 54.8]	66.4	[63.0 - 69.7]	0.64
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)**	67.6	[63.8 - 71.3]	52.2	[49.5 - 54.8]	66.0	[62.6 - 69.3]	0.62
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)**	67.6	[63.7 - 71.3]	52.2	[49.5 - 54.8]	66.0	[62.6 - 69.2]	0.61
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella enteritidis* ATCC 13076	68.1	[64.2 - 71.7]	52.2	[49.5 - 54.8]	66.4	[63.0 - 69.6]	0.64
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella enteritidis* ATCC 13076	68.1	[64.2 - 71.8]	52.2	[49.5 - 54.8]	66.4	[63.0 - 69.7]	0.64
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella enterica* subsp. *houtenae* NCTC 10401	74.7	[70.7 - 78.3]	52.2	[49.5 - 54.8]	71.9	[68.5 - 75.2]	0.27

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)**	72.6	[68.6 - 76.2]	52.2	[49.6 - 54.9]	70.2	[66.8 - 73.5]	0.23
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	69.7	[65.8 - 73.3]	52.1	[49.4 - 54.7]	67.7	[64.3 - 71.0]	0.01
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella typhimurium* ATCC 13311	67.9	[64.1 - 71.6]	52.1	[49.4 - 54.8]	66.3	[62.9 - 69.5]	0.62
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	69.6	[65.7 - 73.3]	52.1	[49.5 - 54.8]	67.7	[64.3 - 70.9]	0.01
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella enterica* LT2	65.2	[61.3 - 68.8]	52.1	[49.4 - 54.8]	63.9	[60.6 - 67.1]	0.74
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella enterica* LT2	65.1	[61.3 - 68.8]	52.1	[49.4 - 54.8]	63.9	[60.5 - 67.1]	0.75
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella typhimurium* ATCC 13311	67.9	[64.1 - 71.6]	52.1	[49.4 - 54.7]	66.3	[62.9 - 69.5]	0.62
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. houtenae' (JWSP00000000)**	72.3	[68.3 - 75.9]	52.1	[49.4 - 54.7]	69.9	[66.5 - 73.1]	0.16
'Salmonella enterica subsp. houtenae' (JWSP00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)**	72.3	[68.3 - 75.9]	52.1	[49.4 - 54.8]	69.9	[66.5 - 73.2]	0.16
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella enterica* LT2	65.1	[61.3 - 68.8]	52.1	[49.4 - 54.8]	63.9	[60.6 - 67.1]	0.75
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella typhimurium* ATCC 13311	67.9	[64.0 - 71.6]	52.1	[49.4 - 54.7]	66.2	[62.9 - 69.5]	0.62
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)**	69.6	[65.7 - 73.3]	52.1	[49.4 - 54.8]	67.7	[64.3 - 70.9]	0.01
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	66.2	[62.4 - 69.8]	52.0	[49.3 - 54.7]	64.8	[61.4 - 68.0]	0.62
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	66.2	[62.4 - 69.8]	52.0	[49.3 - 54.7]	64.8	[61.4 - 68.0]	0.62
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. houtenae' (JWSP00000000)**	72.4	[68.5 - 76.1]	52.0	[49.3 - 54.7]	70.0	[66.6 - 73.2]	0.16
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)**	66.2	[62.4 - 69.9]	52.0	[49.3 - 54.7]	64.8	[61.4 - 68.0]	0.61

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella typhimurium* JCM 1652	67.6	[63.7 - 71.2]	51.9	[49.3 - 54.6]	65.9	[62.5 - 69.1]	0.57
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	66.1	[62.3 - 69.8]	51.9	[49.2 - 54.6]	64.7	[61.3 - 67.9]	0.59
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	66.2	[62.3 - 69.8]	51.9	[49.2 - 54.5]	64.7	[61.3 - 67.9]	0.59
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella typhimurium* JCM 1652	67.6	[63.7 - 71.2]	51.9	[49.2 - 54.6]	65.9	[62.5 - 69.1]	0.57
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella typhimurium* JCM 1652	67.6	[63.7 - 71.2]	51.9	[49.2 - 54.6]	65.9	[62.5 - 69.1]	0.57
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)**	64.6	[60.8 - 68.2]	51.8	[49.1 - 54.4]	63.3	[60.0 - 66.5]	0.47
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)**	66.2	[62.4 - 69.9]	51.8	[49.2 - 54.5]	64.7	[61.4 - 68.0]	0.59
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)**	64.6	[60.8 - 68.2]	51.8	[49.1 - 54.4]	63.3	[60.0 - 66.5]	0.47
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	65.6	[61.8 - 69.2]	51.7	[49.0 - 54.3]	64.2	[60.8 - 67.4]	0.58
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	65.3	[61.5 - 68.9]	51.7	[49.0 - 54.3]	63.9	[60.6 - 67.1]	0.59
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	67.7	[63.8 - 71.3]	51.7	[49.1 - 54.4]	65.9	[62.6 - 69.2]	0.59
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	69.0	[65.1 - 72.6]	51.7	[49.0 - 54.3]	67.0	[63.6 - 70.3]	0.67
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	65.6	[61.8 - 69.3]	51.7	[49.0 - 54.3]	64.2	[60.8 - 67.4]	0.58
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)**	64.7	[60.9 - 68.3]	51.7	[49.1 - 54.4]	63.4	[60.0 - 66.6]	0.47
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	69.7	[65.8 - 73.4]	51.7	[49.0 - 54.3]	67.6	[64.2 - 70.9]	0.03
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	69.0	[65.1 - 72.6]	51.7	[49.0 - 54.3]	67.0	[63.6 - 70.3]	0.67

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)**	65.7	[61.9 - 69.3]	51.6	[48.9 - 54.2]	64.2	[60.9 - 67.4]	0.58
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	69.1	[65.2 - 72.8]	51.6	[48.9 - 54.2]	67.1	[63.7 - 70.3]	0.66
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)**	70.1	[66.1 - 73.7]	51.6	[49.0 - 54.3]	67.9	[64.5 - 71.2]	0.73
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	72.6	[68.6 - 76.2]	51.6	[49.0 - 54.3]	70.0	[66.6 - 73.3]	0.14
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)**	69.1	[65.2 - 72.8]	51.6	[49.0 - 54.3]	67.1	[63.7 - 70.3]	0.67
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)**	70.0	[66.1 - 73.7]	51.6	[49.0 - 54.3]	67.9	[64.5 - 71.1]	0.73
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)**	70.0	[66.1 - 73.7]	51.6	[49.0 - 54.3]	67.9	[64.5 - 71.1]	0.73
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	69.8	[65.9 - 73.5]	51.5	[48.9 - 54.2]	67.7	[64.3 - 70.9]	0.83
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	69.9	[66.0 - 73.6]	51.5	[48.8 - 54.1]	67.7	[64.3 - 71.0]	0.83
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	71.6	[67.6 - 75.2]	51.5	[48.8 - 54.2]	69.1	[65.7 - 72.4]	0.2
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	69.7	[65.8 - 73.3]	51.5	[48.8 - 54.1]	67.5	[64.1 - 70.8]	0.08
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)**	66.1	[62.2 - 69.7]	51.5	[48.8 - 54.1]	64.5	[61.1 - 67.7]	0.57
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	69.7	[65.8 - 73.3]	51.5	[48.8 - 54.1]	67.6	[64.1 - 70.8]	0.08
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	69.2	[65.3 - 72.8]	51.5	[48.9 - 54.2]	67.2	[63.7 - 70.4]	0.66
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)**	69.9	[66.0 - 73.6]	51.5	[48.8 - 54.1]	67.7	[64.3 - 71.0]	0.82
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)**	69.2	[65.3 - 72.9]	51.5	[48.9 - 54.2]	67.2	[63.8 - 70.4]	0.66

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	65.6	[61.7 - 69.2]	51.4	[48.7 - 54.0]	64.1	[60.7 - 67.3]	0.6
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella typhi* NCTC 8385	65.5	[61.6 - 69.1]	51.4	[48.7 - 54.0]	64.0	[60.6 - 67.2]	0.6
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)**	65.5	[61.7 - 69.2]	51.4	[48.7 - 54.0]	64.0	[60.7 - 67.2]	0.51
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)**	66.0	[62.2 - 69.7]	51.4	[48.8 - 54.1]	64.5	[61.1 - 67.7]	0.57
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	66.6	[62.7 - 70.2]	51.4	[48.8 - 54.1]	64.9	[61.5 - 68.1]	0.56
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	65.5	[61.7 - 69.2]	51.4	[48.7 - 54.0]	64.0	[60.7 - 67.2]	0.6
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)**	66.1	[62.2 - 69.7]	51.4	[48.8 - 54.1]	64.5	[61.1 - 67.7]	0.56
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella choleraesuis* DSM 14846	66.4	[62.5 - 70.0]	51.4	[48.8 - 54.1]	64.7	[61.4 - 67.9]	0.65
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella choleraesuis* DSM 14846	66.4	[62.5 - 70.0]	51.4	[48.8 - 54.1]	64.7	[61.4 - 68.0]	0.65
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella enterica* subsp. *indica* NCTC 12420	69.8	[65.9 - 73.4]	51.4	[48.8 - 54.1]	67.6	[64.2 - 70.9]	0.07
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella typhi* NCTC 8385	65.4	[61.6 - 69.1]	51.4	[48.7 - 54.0]	63.9	[60.6 - 67.1]	0.6
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	68.6	[64.7 - 72.3]	51.4	[48.8 - 54.1]	66.7	[63.3 - 69.9]	0.64
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	72.3	[68.3 - 75.9]	51.4	[48.8 - 54.1]	69.7	[66.3 - 73.0]	0.28
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	72.3	[68.3 - 75.9]	51.4	[48.8 - 54.1]	69.7	[66.2 - 72.9]	0.29
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)**	65.5	[61.7 - 69.1]	51.4	[48.7 - 54.0]	64.0	[60.7 - 67.2]	0.51
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)**	72.3	[68.3 - 75.9]	51.4	[48.8 - 54.1]	69.7	[66.3 - 72.9]	0.29

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella choleraesuis* DSM 14846	66.5	[62.6 - 70.1]	51.3	[48.7 - 54.0]	64.8	[61.4 - 68.0]	0.64
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella typhi* NCTC 8385	65.5	[61.7 - 69.2]	51.3	[48.7 - 54.0]	64.0	[60.7 - 67.2]	0.59
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)**	65.6	[61.8 - 69.3]	51.3	[48.7 - 54.0]	64.1	[60.7 - 67.3]	0.6
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	72.7	[68.7 - 76.3]	51.3	[48.6 - 53.9]	70.0	[66.6 - 73.2]	0.32
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	**'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)**	65.6	[61.8 - 69.2]	51.3	[48.7 - 54.0]	64.1	[60.7 - 67.3]	0.51
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	72.7	[68.7 - 76.3]	51.3	[48.6 - 53.9]	70.0	[66.6 - 73.2]	0.32
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	70.0	[66.1 - 73.6]	51.2	[48.5 - 53.8]	67.7	[64.3 - 70.9]	0.8
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	65.0	[61.2 - 68.7]	51.2	[48.5 - 53.8]	63.5	[60.2 - 66.8]	0.44
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	**'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)**	72.8	[68.8 - 76.4]	51.2	[48.6 - 53.9]	70.1	[66.6 - 73.3]	0.31
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	65.9	[62.1 - 69.5]	51.1	[48.5 - 53.8]	64.3	[60.9 - 67.5]	0.54
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	69.8	[65.9 - 73.4]	51.1	[48.5 - 53.7]	67.5	[64.1 - 70.8]	0.7
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	65.3	[61.5 - 68.9]	51.1	[48.5 - 53.8]	63.7	[60.4 - 66.9]	0.48
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	72.4	[68.4 - 76.0]	51.0	[48.3 - 53.6]	69.6	[66.2 - 72.9]	0.26
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	64.8	[61.0 - 68.4]	51.0	[48.4 - 53.7]	63.3	[60.0 - 66.5]	0.56
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	65.6	[61.7 - 69.2]	51.0	[48.4 - 53.7]	63.9	[60.6 - 67.2]	0.57
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	72.5	[68.5 - 76.1]	50.8	[48.2 - 53.4]	69.7	[66.2 - 72.9]	0.29

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella enterica* subsp. *arizonae* NCTC 8297	69.9	[66.0 - 73.6]	50.8	[48.2 - 53.5]	67.6	[64.2 - 70.8]	0.63
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella bongori* NCTC 12419	68.0	[64.1 - 71.6]	39.3	[36.8 - 41.8]	61.7	[58.4 - 64.9]	0.78
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella bongori* NCTC 12419	59.6	[55.9 - 63.1]	39.2	[36.7 - 41.7]	55.1	[52.0 - 58.2]	0.01
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella bongori* NCTC 12419	67.6	[63.7 - 71.2]	39.1	[36.6 - 41.6]	61.3	[58.0 - 64.5]	0.63
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella bongori* NCTC 12419	68.9	[65.0 - 72.6]	39.1	[36.6 - 41.6]	62.4	[59.0 - 65.5]	0.27
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella bongori* NCTC 12419	70.9	[67.0 - 74.6]	39.1	[36.6 - 41.6]	63.9	[60.6 - 67.1]	0.82
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella bongori* NCTC 12419	71.6	[67.7 - 75.3]	39.1	[36.6 - 41.6]	64.4	[61.1 - 67.6]	0.99
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella bongori* NCTC 12419	70.0	[66.1 - 73.7]	39.0	[36.5 - 41.5]	63.2	[59.8 - 66.4]	0.78
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella bongori* NCTC 12419	69.3	[65.4 - 73.0]	39.0	[36.6 - 41.6]	62.7	[59.3 - 65.9]	0.75
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella bongori* NCTC 12419	74.3	[70.3 - 77.9]	38.9	[36.5 - 41.5]	66.4	[63.0 - 69.6]	0.64
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella bongori* NCTC 12419	66.8	[62.9 - 70.4]	38.9	[36.4 - 41.4]	60.6	[57.3 - 63.8]	0.75
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella bongori* NCTC 12419	72.6	[68.6 - 76.2]	38.9	[36.5 - 41.5]	65.1	[61.7 - 68.3]	0.89
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella bongori* NCTC 12419	71.5	[67.5 - 75.1]	38.9	[36.4 - 41.4]	64.2	[60.9 - 67.5]	0.55
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella bongori* NCTC 12419	70.7	[66.7 - 74.3]	38.9	[36.5 - 41.5]	63.6	[60.3 - 66.8]	0.83
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella bongori* NCTC 12419	70.3	[66.4 - 74.0]	38.8	[36.3 - 41.3]	63.3	[60.0 - 66.5]	0.44
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella bongori* NCTC 12419	67.9	[64.0 - 71.6]	38.8	[36.3 - 41.3]	61.4	[58.1 - 64.6]	0.76
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella bongori* NCTC 12419	67.3	[63.4 - 70.9]	38.7	[36.3 - 41.3]	60.9	[57.7 - 64.1]	0.73

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella bongori* NCTC 12419	67.1	[63.2 - 70.7]	38.7	[36.3 - 41.3]	60.8	[57.5 - 64.0]	0.68
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella bongori* NCTC 12419	67.6	[63.7 - 71.2]	38.5	[36.0 - 41.0]	61.0	[57.8 - 64.2]	0.33
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella bongori* NCTC 12419	67.9	[64.1 - 71.6]	38.5	[36.0 - 41.0]	61.3	[58.0 - 64.5]	0.4
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella bongori* NCTC 12419	66.2	[62.4 - 69.9]	38.3	[35.8 - 40.8]	59.9	[56.7 - 63.1]	0.16
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella bongori* NCTC 12419	72.1	[68.2 - 75.8]	38.3	[35.8 - 40.8]	64.4	[61.1 - 67.6]	0.45
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella bongori* NCTC 12419	73.0	[69.0 - 76.7]	38.2	[35.7 - 40.7]	65.1	[61.7 - 68.3]	0.48
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella bongori* NCTC 12419	68.2	[64.3 - 71.8]	37.7	[35.2 - 40.2]	61.1	[57.8 - 64.3]	0.17
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella bongori* NCTC 12419	68.1	[64.2 - 71.8]	37.7	[35.2 - 40.2]	61.1	[57.8 - 64.3]	0.16
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella bongori* NCTC 12419	68.1	[64.3 - 71.8]	37.7	[35.2 - 40.2]	61.1	[57.8 - 64.3]	0.16
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Citrobacter diversus* NCTC 10849	40.1	[36.7 - 43.6]	26.7	[24.3 - 29.2]	35.8	[32.8 - 38.8]	1.63
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Citrobacter diversus* NCTC 10849	38.5	[35.1 - 42.0]	26.6	[24.2 - 29.1]	34.5	[31.6 - 37.6]	1.48
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Levinea malonatica* NCTC 10810	40.1	[36.7 - 43.6]	26.5	[24.1 - 29.0]	35.7	[32.7 - 38.7]	1.67
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Citrobacter diversus* NCTC 10849	39.9	[36.5 - 43.3]	26.5	[24.1 - 29.0]	35.5	[32.6 - 38.6]	1.42
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Citrobacter diversus* NCTC 10849	41.4	[38.0 - 44.8]	26.5	[24.1 - 29.0]	36.6	[33.6 - 39.7]	1.37
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Citrobacter diversus* NCTC 10849	40.0	[36.6 - 43.5]	26.5	[24.1 - 29.0]	35.6	[32.7 - 38.7]	1.5
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Levinea malonatica* NCTC 10810	40.7	[37.4 - 44.2]	26.5	[24.1 - 29.0]	36.1	[33.2 - 39.2]	1.82
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Levinea malonatica* NCTC 10810	41.5	[38.1 - 44.9]	26.5	[24.1 - 28.9]	36.7	[33.7 - 39.7]	1.7

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Citrobacter diversus* NCTC 10849	37.6	[34.2 - 41.1]	26.4	[24.1 - 28.9]	33.9	[30.9 - 36.9]	1.58
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Citrobacter diversus* NCTC 10849	39.0	[35.6 - 42.4]	26.4	[24.1 - 28.9]	34.8	[31.9 - 37.9]	1.49
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Levinea malonatica* NCTC 10810	40.0	[36.6 - 43.4]	26.4	[24.1 - 28.9]	35.6	[32.6 - 38.6]	1.69
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Citrobacter diversus* NCTC 10849	37.7	[34.4 - 41.2]	26.4	[24.1 - 28.9]	33.9	[31.0 - 37.0]	1.53
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Levinea malonatica* NCTC 10810	41.2	[37.9 - 44.7]	26.4	[24.0 - 28.9]	36.4	[33.5 - 39.5]	1.47
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Citrobacter diversus* NCTC 10849	39.7	[36.4 - 43.2]	26.4	[24.1 - 28.9]	35.4	[32.4 - 38.4]	1.27
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Levinea malonatica* NCTC 10810	41.5	[38.1 - 44.9]	26.4	[24.1 - 28.9]	36.6	[33.7 - 39.7]	1.62
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Levinea malonatica* NCTC 10810	43.2	[39.8 - 46.6]	26.4	[24.1 - 28.9]	37.8	[34.9 - 40.9]	1.56
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Levinea malonatica* NCTC 10810	38.6	[35.3 - 42.1]	26.4	[24.0 - 28.9]	34.6	[31.6 - 37.7]	1.78
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Levinea malonatica* NCTC 10810	39.8	[36.5 - 43.3]	26.4	[24.0 - 28.9]	35.4	[32.5 - 38.5]	1.67
'Salmonella enterica subsp. salamae' (LS483477)	*Levinea malonatica* NCTC 10810	41.6	[38.3 - 45.1]	26.3	[23.9 - 28.7]	36.7	[33.7 - 39.7]	1.81
'Salmonella enterica subsp. salamae' (LS483477)	*Citrobacter diversus* NCTC 10849	40.7	[37.4 - 44.2]	26.3	[23.9 - 28.7]	36.1	[33.1 - 39.1]	1.62
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Citrobacter diversus* NCTC 10849	39.3	[36.0 - 42.8]	26.3	[24.0 - 28.8]	35.1	[32.1 - 38.1]	1.48
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Levinea malonatica* NCTC 10810	39.3	[35.9 - 42.8]	26.3	[23.9 - 28.7]	35.0	[32.1 - 38.1]	1.71
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Citrobacter diversus* NCTC 10849	38.5	[35.1 - 42.0]	26.3	[24.0 - 28.8]	34.4	[31.5 - 37.5]	1.51
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Levinea malonatica* NCTC 10810	38.8	[35.4 - 42.2]	26.3	[24.0 - 28.8]	34.7	[31.7 - 37.7]	1.72
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Citrobacter diversus* NCTC 10849	40.2	[36.9 - 43.7]	26.3	[23.9 - 28.8]	35.7	[32.8 - 38.8]	1.43

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Levinea malonatica* NCTC 10810	43.4	[40.0 - 46.8]	26.2	[23.8 - 28.6]	37.8	[34.9 - 40.9]	2.19
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Citrobacter diversus* NCTC 10849	41.5	[38.1 - 44.9]	26.2	[23.9 - 28.7]	36.6	[33.6 - 39.6]	1.99
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Levinea malonatica* NCTC 10810	40.8	[37.4 - 44.2]	26.2	[23.8 - 28.7]	36.0	[33.1 - 39.1]	2.13
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Levinea malonatica* NCTC 10810	41.3	[37.9 - 44.8]	26.2	[23.8 - 28.7]	36.4	[33.5 - 39.5]	1.63
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Citrobacter diversus* NCTC 10849	38.1	[34.7 - 41.6]	26.2	[23.9 - 28.7]	34.1	[31.2 - 37.2]	2.26
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Levinea malonatica* NCTC 10810	39.5	[36.2 - 43.0]	26.1	[23.8 - 28.6]	35.1	[32.2 - 38.2]	2.46
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Citrobacter diversus* NCTC 10849	39.8	[36.4 - 43.2]	26.1	[23.8 - 28.6]	35.3	[32.4 - 38.4]	1.71
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Levinea malonatica* NCTC 10810	40.7	[37.3 - 44.1]	26.1	[23.7 - 28.6]	35.9	[33.0 - 39.0]	1.9
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Citrobacter diversus* NCTC 10849	39.6	[36.3 - 43.1]	26.1	[23.8 - 28.6]	35.2	[32.3 - 38.3]	1.86
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Citrobacter diversus* NCTC 10849	41.4	[38.0 - 44.8]	26.1	[23.8 - 28.6]	36.5	[33.5 - 39.5]	1.78
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Citrobacter diversus* NCTC 10849	40.5	[37.2 - 44.0]	26.1	[23.8 - 28.6]	35.9	[32.9 - 38.9]	1.93
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Citrobacter diversus* NCTC 10849	38.8	[35.5 - 42.3]	26.1	[23.8 - 28.6]	34.6	[31.7 - 37.7]	1.82
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Citrobacter diversus* NCTC 10849	39.0	[35.6 - 42.4]	26.0	[23.6 - 28.5]	34.7	[31.7 - 37.8]	2.1
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Citrobacter diversus* NCTC 10849	39.3	[35.9 - 42.8]	26.0	[23.6 - 28.5]	34.9	[32.0 - 38.0]	2.1
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Levinea malonatica* NCTC 10810	40.6	[37.2 - 44.0]	26.0	[23.7 - 28.5]	35.8	[32.9 - 38.9]	2.01
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Levinea malonatica* NCTC 10810	41.5	[38.1 - 45.0]	26.0	[23.7 - 28.5]	36.5	[33.5 - 39.6]	2.06
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Citrobacter diversus* NCTC 10849	39.3	[35.9 - 42.8]	26.0	[23.6 - 28.4]	34.9	[32.0 - 38.0]	2.1

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Levinea malonatica* NCTC 10810	42.3	[38.9 - 45.7]	26.0	[23.7 - 28.5]	37.0	[34.1 - 40.1]	2.0
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Citrobacter diversus* NCTC 10849	39.3	[36.0 - 42.8]	26.0	[23.6 - 28.4]	34.9	[32.0 - 38.0]	2.09
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Citrobacter diversus* NCTC 10849	41.7	[38.3 - 45.2]	26.0	[23.7 - 28.5]	36.6	[33.7 - 39.7]	1.81
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Levinea malonatica* NCTC 10810	40.0	[36.6 - 43.5]	26.0	[23.7 - 28.5]	35.4	[32.5 - 38.5]	2.3
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Levinea malonatica* NCTC 10810	41.4	[38.0 - 44.9]	25.9	[23.5 - 28.4]	36.4	[33.4 - 39.4]	2.29
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Levinea malonatica* NCTC 10810	43.1	[39.7 - 46.5]	25.9	[23.6 - 28.4]	37.5	[34.6 - 40.6]	1.97
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Levinea malonatica* NCTC 10810	41.4	[38.0 - 44.9]	25.9	[23.5 - 28.4]	36.4	[33.4 - 39.4]	2.29
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Levinea malonatica* NCTC 10810	41.4	[38.1 - 44.9]	25.9	[23.5 - 28.4]	36.4	[33.4 - 39.4]	2.29
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Shigella sonnei* ATCC 29930	30.7	[27.3 - 34.3]	25.1	[22.8 - 27.6]	28.3	[25.4 - 31.4]	0.95
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Shigella sonnei* ATCC 29930	30.3	[26.9 - 33.9]	25.0	[22.7 - 27.5]	28.0	[25.1 - 31.1]	1.08
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Citrobacter amalonaticus* NCTC 10805	35.6	[32.2 - 39.1]	24.9	[22.6 - 27.4]	31.9	[29.0 - 35.0]	1.34
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Citrobacter amalonaticus* NCTC 10805	36.6	[33.2 - 40.1]	24.9	[22.6 - 27.4]	32.6	[29.7 - 35.7]	1.32
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Citrobacter amalonaticus* NCTC 10805	36.6	[33.2 - 40.1]	24.9	[22.6 - 27.4]	32.6	[29.7 - 35.7]	1.35
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Citrobacter amalonaticus* NCTC 10805	34.1	[30.7 - 37.6]	24.9	[22.5 - 27.3]	30.8	[27.8 - 33.9]	1.43
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Citrobacter amalonaticus* NCTC 10805	37.4	[34.0 - 40.9]	24.9	[22.5 - 27.3]	33.2	[30.2 - 36.2]	1.27
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Citrobacter amalonaticus* NCTC 10805	37.9	[34.5 - 41.4]	24.8	[22.5 - 27.3]	33.5	[30.6 - 36.6]	1.21

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Citrobacter amalonaticus* NCTC 10805	36.0	[32.7 - 39.6]	24.8	[22.5 - 27.3]	32.2	[29.2 - 35.3]	1.32
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Citrobacter amalonaticus* NCTC 10805	37.2	[33.8 - 40.7]	24.8	[22.4 - 27.2]	33.0	[30.1 - 36.1]	1.11
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Citrobacter amalonaticus* NCTC 10805	34.4	[31.1 - 38.0]	24.8	[22.5 - 27.3]	31.0	[28.1 - 34.1]	1.37
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Citrobacter amalonaticus* NCTC 10805	36.0	[32.7 - 39.6]	24.7	[22.4 - 27.2]	32.2	[29.2 - 35.2]	1.47
'Salmonella enterica subsp. salamae' (LS483477)	*Citrobacter amalonaticus* NCTC 10805	37.7	[34.4 - 41.2]	24.7	[22.4 - 27.1]	33.3	[30.4 - 36.4]	1.46
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Citrobacter amalonaticus* NCTC 10805	35.7	[32.4 - 39.2]	24.7	[22.4 - 27.2]	31.9	[29.0 - 35.0]	1.35
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Citrobacter amalonaticus* NCTC 10805	36.9	[33.5 - 40.4]	24.7	[22.4 - 27.2]	32.8	[29.8 - 35.8]	1.28
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Citrobacter amalonaticus* NCTC 10805	36.1	[32.7 - 39.6]	24.6	[22.3 - 27.1]	32.2	[29.2 - 35.2]	1.77
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Citrobacter amalonaticus* NCTC 10805	36.5	[33.1 - 40.0]	24.6	[22.2 - 27.0]	32.4	[29.5 - 35.5]	1.66
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Citrobacter amalonaticus* NCTC 10805	36.1	[32.8 - 39.6]	24.6	[22.2 - 27.0]	32.2	[29.2 - 35.3]	1.55
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Citrobacter amalonaticus* NCTC 10805	36.1	[32.8 - 39.7]	24.6	[22.2 - 27.0]	32.2	[29.2 - 35.3]	1.71
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Citrobacter amalonaticus* NCTC 10805	35.1	[31.7 - 38.6]	24.5	[22.1 - 26.9]	31.4	[28.4 - 34.5]	1.94
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Citrobacter amalonaticus* NCTC 10805	38.0	[34.6 - 41.5]	24.5	[22.1 - 26.9]	33.5	[30.5 - 36.5]	1.65
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Citrobacter amalonaticus* NCTC 10805	33.5	[30.1 - 37.0]	24.5	[22.2 - 27.0]	30.2	[27.3 - 33.3]	2.11
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Citrobacter amalonaticus* NCTC 10805	36.1	[32.7 - 39.6]	24.5	[22.2 - 27.0]	32.1	[29.2 - 35.2]	1.84
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Citrobacter amalonaticus* NCTC 10805	38.1	[34.7 - 41.5]	24.4	[22.1 - 26.9]	33.5	[30.5 - 36.6]	1.62
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Citrobacter amalonaticus* NCTC 10805	35.2	[31.9 - 38.8]	24.4	[22.1 - 26.9]	31.5	[28.5 - 34.6]	1.94

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Shigella sonnei* ATCC 29930	28.5	[25.1 - 32.1]	24.4	[22.1 - 26.9]	26.5	[23.6 - 29.6]	0.99
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Shigella sonnei* ATCC 29930	29.3	[25.9 - 32.9]	24.4	[22.1 - 26.9]	27.1	[24.2 - 30.2]	1.1
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Citrobacter amalonaticus* NCTC 10805	35.2	[31.9 - 38.8]	24.4	[22.1 - 26.9]	31.5	[28.5 - 34.6]	1.93
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Citrobacter amalonaticus* NCTC 10805	35.2	[31.8 - 38.7]	24.4	[22.1 - 26.9]	31.4	[28.5 - 34.5]	1.94
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Shigella sonnei* ATCC 29930	30.3	[26.9 - 33.9]	24.3	[22.0 - 26.8]	27.9	[24.9 - 31.0]	1.21
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Shigella sonnei* ATCC 29930	30.3	[26.9 - 33.9]	24.3	[22.0 - 26.8]	27.8	[24.9 - 30.9]	1.15
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Shigella sonnei* ATCC 29930	30.1	[26.7 - 33.7]	24.3	[22.0 - 26.7]	27.7	[24.8 - 30.8]	1.07
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Shigella sonnei* ATCC 29930	28.3	[25.0 - 32.0]	24.3	[22.0 - 26.7]	26.4	[23.5 - 29.5]	1.05
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Shigella sonnei* ATCC 29930	30.0	[26.6 - 33.6]	24.2	[21.8 - 26.6]	27.6	[24.7 - 30.7]	1.14
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Shigella sonnei* ATCC 29930	29.6	[26.2 - 33.2]	24.1	[21.8 - 26.6]	27.3	[24.4 - 30.4]	1.09
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Shigella sonnei* ATCC 29930	28.9	[25.5 - 32.5]	24.1	[21.8 - 26.6]	26.7	[23.9 - 29.9]	0.71
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Shigella sonnei* ATCC 29930	29.0	[25.7 - 32.6]	24.1	[21.8 - 26.6]	26.8	[23.9 - 29.9]	0.64
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Shigella sonnei* ATCC 29930	29.0	[25.6 - 32.6]	24.1	[21.8 - 26.6]	26.8	[23.9 - 29.9]	1.06
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Shigella sonnei* ATCC 29930	30.1	[26.7 - 33.7]	24.1	[21.8 - 26.6]	27.6	[24.7 - 30.7]	1.3
'Salmonella enterica subsp. salamae' (LS483477)	*Shigella sonnei* ATCC 29930	30.9	[27.5 - 34.5]	24.0	[21.7 - 26.5]	28.2	[25.3 - 31.3]	0.96
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Shigella sonnei* ATCC 29930	28.5	[25.1 - 32.1]	23.9	[21.6 - 26.4]	26.4	[23.5 - 29.5]	0.47
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Shigella sonnei* ATCC 29930	27.5	[24.2 - 31.2]	23.9	[21.6 - 26.4]	25.7	[22.8 - 28.8]	0.31

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Shigella sonnei* ATCC 29930	29.5	[26.1 - 33.1]	23.8	[21.5 - 26.2]	27.1	[24.2 - 30.2]	0.48
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Shigella sonnei* ATCC 29930	30.9	[27.5 - 34.5]	23.8	[21.5 - 26.2]	28.1	[25.2 - 31.2]	0.76
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Shigella sonnei* ATCC 29930	29.5	[26.1 - 33.1]	23.8	[21.5 - 26.2]	27.1	[24.2 - 30.2]	0.48
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Shigella sonnei* ATCC 29930	29.7	[26.3 - 33.3]	23.8	[21.5 - 26.3]	27.3	[24.4 - 30.4]	0.58
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Shigella sonnei* ATCC 29930	29.5	[26.1 - 33.1]	23.8	[21.5 - 26.2]	27.1	[24.2 - 30.2]	0.48
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Shigella sonnei* ATCC 29930	30.0	[26.6 - 33.6]	23.8	[21.5 - 26.3]	27.5	[24.6 - 30.6]	0.76
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Shigella sonnei* ATCC 29930	30.4	[27.0 - 34.0]	23.7	[21.4 - 26.2]	27.8	[24.9 - 30.9]	0.87
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Shigella sonnei* ATCC 29930	30.9	[27.5 - 34.5]	23.7	[21.4 - 26.1]	28.1	[25.2 - 31.2]	0.8
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Enterobacter cloacae* ATCC 13047	24.0	[20.7 - 27.6]	23.2	[20.9 - 25.6]	22.8	[19.9 - 25.9]	2.49
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.1	[22.7 - 29.7]	23.1	[20.8 - 25.5]	24.4	[21.5 - 27.5]	3.33
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Enterobacter cloacae* ATCC 13047	24.4	[21.1 - 28.0]	23.1	[20.9 - 25.6]	23.1	[20.2 - 26.2]	2.42
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	25.7	[22.4 - 29.4]	23.1	[20.8 - 25.5]	24.1	[21.3 - 27.2]	3.44
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.2	[22.8 - 29.8]	23.0	[20.7 - 25.5]	24.4	[21.6 - 27.5]	3.47
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Enterobacter cloacae* ATCC 13047	23.5	[20.2 - 27.1]	23.0	[20.7 - 25.4]	22.3	[19.5 - 25.4]	2.58
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Enterobacter cloacae* ATCC 13047	24.3	[21.0 - 27.9]	23.0	[20.7 - 25.4]	23.0	[20.1 - 26.1]	2.5
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	25.6	[22.2 - 29.2]	23.0	[20.7 - 25.5]	24.0	[21.1 - 27.1]	3.46

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.5	[23.2 - 30.2]	23.0	[20.8 - 25.5]	24.7	[21.9 - 27.8]	3.39
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Enterobacter cloacae* ATCC 13047	23.6	[20.3 - 27.3]	23.0	[20.7 - 25.4]	22.4	[19.6 - 25.5]	2.52
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Enterobacter cloacae* ATCC 13047	24.2	[20.9 - 27.9]	22.9	[20.6 - 25.4]	22.9	[20.1 - 26.0]	2.47
'Salmonella enterica subsp. salamae' (LS483477)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.1	[22.8 - 29.7]	22.9	[20.6 - 25.3]	24.4	[21.5 - 27.5]	3.58
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	25.8	[22.4 - 29.4]	22.9	[20.6 - 25.3]	24.1	[21.3 - 27.2]	3.45
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	24.9	[21.6 - 28.6]	22.9	[20.6 - 25.3]	23.5	[20.6 - 26.6]	3.49
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Enterobacter cloacae* ATCC 13047	23.9	[20.6 - 27.5]	22.9	[20.6 - 25.4]	22.6	[19.8 - 25.7]	2.48
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Enterobacter cloacae* ATCC 13047	24.3	[21.0 - 28.0]	22.9	[20.6 - 25.3]	23.0	[20.2 - 26.1]	2.36
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	24.9	[21.6 - 28.5]	22.9	[20.6 - 25.4]	23.4	[20.6 - 26.5]	3.55
'Salmonella enterica subsp. salamae' (LS483477)	*Enterobacter cloacae* ATCC 13047	24.2	[20.9 - 27.8]	22.8	[20.5 - 25.2]	22.9	[20.0 - 26.0]	2.61
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Enterobacter cloacae* ATCC 13047	23.5	[20.3 - 27.2]	22.8	[20.5 - 25.2]	22.4	[19.6 - 25.4]	2.51
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Enterobacter cloacae* ATCC 13047	24.5	[21.1 - 28.1]	22.8	[20.5 - 25.2]	23.1	[20.2 - 26.2]	2.27
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.3	[23.0 - 30.0]	22.8	[20.5 - 25.3]	24.5	[21.7 - 27.6]	3.24
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.3	[22.9 - 29.9]	22.8	[20.5 - 25.2]	24.5	[21.6 - 27.6]	3.4
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Enterobacter cloacae* ATCC 13047	23.5	[20.2 - 27.2]	22.8	[20.5 - 25.2]	22.3	[19.5 - 25.4]	2.62
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	25.7	[22.3 - 29.3]	22.8	[20.5 - 25.3]	24.0	[21.2 - 27.1]	3.59
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.0	[22.7 - 29.7]	22.7	[20.4 - 25.1]	24.3	[21.4 - 27.4]	3.9

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.0	[22.6 - 29.6]	22.7	[20.4 - 25.1]	24.2	[21.4 - 27.3]	3.83
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	25.7	[22.4 - 29.3]	22.7	[20.5 - 25.2]	24.0	[21.2 - 27.1]	3.48
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Enterobacter cloacae* ATCC 13047	24.0	[20.7 - 27.6]	22.7	[20.4 - 25.1]	22.7	[19.9 - 25.8]	2.93
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Enterobacter cloacae* ATCC 13047	24.0	[20.7 - 27.6]	22.7	[20.4 - 25.1]	22.7	[19.9 - 25.8]	2.86
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Enterobacter cloacae* ATCC 13047	24.8	[21.4 - 28.4]	22.6	[20.3 - 25.0]	23.3	[20.4 - 26.4]	2.43
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.1	[22.8 - 29.8]	22.6	[20.3 - 25.0]	24.3	[21.5 - 27.4]	3.74
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	25.5	[22.1 - 29.1]	22.6	[20.4 - 25.1]	23.8	[21.0 - 26.9]	3.78
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Enterobacter cloacae* ATCC 13047	23.5	[20.3 - 27.2]	22.6	[20.3 - 25.0]	22.3	[19.5 - 25.4]	2.81
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.0	[22.7 - 29.6]	22.6	[20.3 - 25.0]	24.2	[21.4 - 27.3]	3.77
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Enterobacter cloacae* ATCC 13047	24.2	[20.9 - 27.9]	22.5	[20.2 - 24.9]	22.8	[20.0 - 25.9]	2.78
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	24.8	[21.5 - 28.5]	22.5	[20.2 - 24.9]	23.3	[20.5 - 26.4]	4.23
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Enterobacter cloacae* ATCC 13047	23.2	[20.0 - 26.9]	22.5	[20.2 - 24.9]	22.1	[19.3 - 25.2]	3.26
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Enterobacter cloacae* ATCC 13047	24.5	[21.2 - 28.1]	22.5	[20.2 - 24.9]	23.0	[20.2 - 26.1]	2.99
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Enterobacter cloacae* ATCC 13047	24.2	[20.8 - 27.8]	22.5	[20.3 - 25.0]	22.8	[20.0 - 25.9]	2.81
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	25.8	[22.4 - 29.4]	22.5	[20.2 - 25.0]	24.0	[21.2 - 27.1]	3.67
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Enterobacter cloacae* ATCC 13047	23.7	[20.4 - 27.4]	22.4	[20.2 - 24.9]	22.5	[19.6 - 25.5]	2.7

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.4	[23.0 - 30.0]	22.4	[20.2 - 24.9]	24.5	[21.6 - 27.6]	3.96
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Enterobacter cloacae* ATCC 13047	24.4	[21.1 - 28.1]	22.4	[20.1 - 24.8]	23.0	[20.1 - 26.1]	3.09
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Enterobacter cloacae* ATCC 13047	24.4	[21.1 - 28.1]	22.4	[20.1 - 24.8]	23.0	[20.1 - 26.1]	3.09
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	25.8	[22.4 - 29.4]	22.4	[20.2 - 24.9]	24.0	[21.2 - 27.1]	4.07
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Enterobacter cloacae* ATCC 13047	24.4	[21.1 - 28.1]	22.4	[20.1 - 24.8]	23.0	[20.1 - 26.1]	3.09
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Enterobacter cloacae* ATCC 13047	23.8	[20.5 - 27.5]	22.4	[20.1 - 24.9]	22.5	[19.7 - 25.6]	3.1
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.4	[23.1 - 30.0]	22.3	[20.0 - 24.8]	24.5	[21.6 - 27.6]	4.06
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.4	[23.1 - 30.0]	22.3	[20.0 - 24.8]	24.5	[21.6 - 27.6]	4.06
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Enterobacter hormaechei* subsp. *steigerwaltii* DSM 16691	26.4	[23.1 - 30.1]	22.3	[20.0 - 24.8]	24.5	[21.6 - 27.6]	4.06
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Kosakonia oryzendophytica* REICA_082	22.5	[19.2 - 26.1]	22.0	[19.7 - 24.4]	21.4	[18.6 - 24.5]	1.56
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Kosakonia oryzendophytica* REICA_082	22.2	[19.0 - 25.9]	22.0	[19.7 - 24.4]	21.2	[18.4 - 24.3]	1.63
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Kosakonia oryzendophytica* REICA_082	22.6	[19.3 - 26.2]	21.9	[19.7 - 24.4]	21.5	[18.7 - 24.5]	1.62
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Kosakonia oryzendophytica* REICA_082	22.9	[19.6 - 26.6]	21.9	[19.6 - 24.3]	21.7	[18.9 - 24.8]	1.51
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Kosakonia oryzendophytica* REICA_082	22.6	[19.3 - 26.2]	21.9	[19.6 - 24.3]	21.5	[18.7 - 24.5]	1.64
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Kosakonia oryzendophytica* REICA_082	21.9	[18.6 - 25.5]	21.9	[19.6 - 24.4]	20.9	[18.1 - 24.0]	1.72
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Kosakonia oryzendophytica* REICA_082	22.0	[18.8 - 25.6]	21.9	[19.6 - 24.3]	21.0	[18.3 - 24.1]	1.67

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Kosakonia oryzendophytica* REICA_082	22.1	[18.9 - 25.8]	21.8	[19.6 - 24.3]	21.1	[18.4 - 24.2]	1.77
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Kosakonia oryzendophytica* REICA_082	22.4	[19.2 - 26.1]	21.8	[19.6 - 24.3]	21.3	[18.6 - 24.4]	2.0
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Kosakonia oryzendophytica* REICA_082	22.3	[19.0 - 25.9]	21.8	[19.5 - 24.2]	21.2	[18.5 - 24.3]	1.65
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Kosakonia oryzendophytica* REICA_082	22.6	[19.3 - 26.2]	21.8	[19.5 - 24.2]	21.5	[18.7 - 24.5]	2.07
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Escherichia hermannii* NCTC 12129	19.5	[16.3 - 23.1]	21.8	[19.5 - 24.2]	19.0	[16.3 - 22.0]	1.98
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Kosakonia oryzendophytica* REICA_082	22.5	[19.2 - 26.1]	21.8	[19.5 - 24.2]	21.4	[18.6 - 24.4]	1.62
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Kosakonia oryzendophytica* REICA_082	22.8	[19.5 - 26.4]	21.8	[19.6 - 24.3]	21.6	[18.8 - 24.7]	1.41
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Salmonella subterranea* DSM 16208	20.0	[16.8 - 23.6]	21.7	[19.4 - 24.1]	19.4	[16.7 - 22.4]	3.16
'Salmonella enterica subsp. salamae' (LS483477)	*Kosakonia oryzendophytica* REICA_082	23.3	[20.0 - 27.0]	21.7	[19.4 - 24.1]	22.0	[19.2 - 25.1]	1.76
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Kosakonia oryzendophytica* REICA_082	22.4	[19.1 - 26.0]	21.7	[19.4 - 24.1]	21.3	[18.5 - 24.4]	2.24
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Escherichia hermannii* NCTC 12129	20.0	[16.8 - 23.6]	21.7	[19.4 - 24.1]	19.4	[16.6 - 22.4]	1.97
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)	*Escherichia hermannii* NCTC 12129	19.0	[15.9 - 22.6]	21.7	[19.4 - 24.1]	18.6	[15.9 - 21.6]	2.07
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Escherichia hermannii* NCTC 12129	19.8	[16.6 - 23.4]	21.7	[19.5 - 24.2]	19.2	[16.5 - 22.3]	1.99
'Salmonella enterica subsp. salamae' (LS483477)	*Escherichia hermannii* NCTC 12129	19.9	[16.7 - 23.5]	21.7	[19.4 - 24.1]	19.3	[16.6 - 22.3]	2.11
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Kosakonia oryzendophytica* REICA_082	21.9	[18.7 - 25.6]	21.7	[19.4 - 24.1]	20.9	[18.2 - 24.0]	2.4
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Escherichia hermannii* NCTC 12129	20.1	[16.9 - 23.7]	21.7	[19.4 - 24.1]	19.4	[16.7 - 22.5]	1.91
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Kosakonia oryzendophytica* REICA_082	22.9	[19.6 - 26.5]	21.7	[19.5 - 24.2]	21.7	[18.9 - 24.8]	1.57

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Escherichia hermannii* NCTC 12129	20.0	[16.8 - 23.6]	21.6	[19.4 - 24.0]	19.4	[16.7 - 22.4]	1.86
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Kosakonia oryzendophytica* REICA_082	22.7	[19.4 - 26.3]	21.6	[19.4 - 24.0]	21.5	[18.7 - 24.6]	1.92
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Kosakonia oryzendophytica* REICA_082	22.8	[19.6 - 26.5]	21.6	[19.4 - 24.1]	21.6	[18.8 - 24.7]	1.96
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Escherichia hermannii* NCTC 12129	19.7	[16.5 - 23.3]	21.6	[19.3 - 24.0]	19.1	[16.4 - 22.1]	2.42
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Salmonella subterranea* DSM 16208	20.1	[16.9 - 23.7]	21.6	[19.3 - 24.0]	19.5	[16.8 - 22.5]	3.11
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)	*Salmonella subterranea* DSM 16208	20.9	[17.7 - 24.5]	21.6	[19.4 - 24.0]	20.1	[17.4 - 23.2]	3.06
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)	*Escherichia hermannii* NCTC 12129	19.1	[16.0 - 22.7]	21.6	[19.4 - 24.1]	18.7	[16.0 - 21.7]	2.02
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)	*Salmonella subterranea* DSM 16208	21.3	[18.0 - 24.9]	21.6	[19.3 - 24.0]	20.4	[17.6 - 23.4]	3.01
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Kosakonia oryzendophytica* REICA_082	22.6	[19.3 - 26.3]	21.6	[19.4 - 24.1]	21.5	[18.7 - 24.5]	1.85
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Kosakonia oryzendophytica* REICA_082	22.6	[19.4 - 26.3]	21.6	[19.4 - 24.1]	21.5	[18.7 - 24.6]	1.95
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Kosakonia oryzendophytica* REICA_082	22.8	[19.5 - 26.4]	21.6	[19.4 - 24.0]	21.6	[18.8 - 24.7]	2.13
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Escherichia hermannii* NCTC 12129	19.7	[16.5 - 23.3]	21.5	[19.3 - 24.0]	19.1	[16.4 - 22.1]	2.35
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)	*Salmonella subterranea* DSM 16208	21.2	[17.9 - 24.8]	21.5	[19.2 - 23.9]	20.3	[17.6 - 23.4]	2.95
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Salmonella subterranea* DSM 16208	20.4	[17.2 - 24.1]	21.5	[19.3 - 24.0]	19.7	[17.0 - 22.8]	3.21
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Kosakonia oryzendophytica* REICA_082	22.1	[18.8 - 25.7]	21.5	[19.3 - 23.9]	21.0	[18.2 - 24.1]	2.23
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Kosakonia oryzendophytica* REICA_082	22.1	[18.8 - 25.7]	21.5	[19.3 - 23.9]	21.0	[18.2 - 24.1]	2.23
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Kosakonia oryzendophytica* REICA_082	22.1	[18.8 - 25.7]	21.5	[19.3 - 23.9]	21.0	[18.2 - 24.1]	2.24

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)	*Salmonella subterranea* DSM 16208	20.5	[17.3 - 24.2]	21.5	[19.3 - 24.0]	19.8	[17.1 - 22.8]	3.08
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Escherichia hermannii* NCTC 12129	19.6	[16.5 - 23.2]	21.4	[19.1 - 23.8]	19.1	[16.4 - 22.1]	1.97
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)	*Salmonella subterranea* DSM 16208	21.0	[17.8 - 24.6]	21.4	[19.2 - 23.9]	20.1	[17.4 - 23.2]	3.06
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Salmonella subterranea* DSM 16208	20.7	[17.5 - 24.3]	21.4	[19.1 - 23.8]	19.9	[17.2 - 22.9]	3.09
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Salmonella subterranea* DSM 16208	20.0	[16.8 - 23.6]	21.4	[19.1 - 23.8]	19.3	[16.6 - 22.4]	3.85
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Salmonella subterranea* DSM 16208	20.8	[17.6 - 24.4]	21.4	[19.1 - 23.8]	20.0	[17.3 - 23.0]	3.57
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Salmonella subterranea* DSM 16208	20.8	[17.6 - 24.4]	21.4	[19.2 - 23.9]	20.0	[17.3 - 23.0]	3.02
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Salmonella subterranea* DSM 16208	21.1	[17.9 - 24.7]	21.4	[19.1 - 23.8]	20.2	[17.5 - 23.3]	2.85
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)	*Escherichia hermannii* NCTC 12129	19.9	[16.8 - 23.5]	21.4	[19.2 - 23.9]	19.3	[16.6 - 22.3]	1.76
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)	*Salmonella subterranea* DSM 16208	20.9	[17.7 - 24.6]	21.4	[19.2 - 23.9]	20.1	[17.4 - 23.2]	3.09
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Escherichia hermannii* NCTC 12129	19.6	[16.4 - 23.2]	21.3	[19.1 - 23.7]	19.0	[16.3 - 22.0]	2.31
'Salmonella enterica subsp. salamae' (LS483477)	*Salmonella subterranea* DSM 16208	21.2	[18.0 - 24.8]	21.3	[19.1 - 23.7]	20.3	[17.6 - 23.4]	3.2
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)	*Escherichia hermannii* NCTC 12129	19.8	[16.6 - 23.4]	21.3	[19.1 - 23.8]	19.2	[16.5 - 22.2]	1.92
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Escherichia hermannii* NCTC 12129	19.5	[16.3 - 23.1]	21.3	[19.1 - 23.7]	18.9	[16.2 - 22.0]	2.27
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)	*Salmonella subterranea* DSM 16208	20.9	[17.7 - 24.5]	21.3	[19.0 - 23.7]	20.1	[17.3 - 23.1]	3.44
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)	*Salmonella subterranea* DSM 16208	21.0	[17.8 - 24.6]	21.3	[19.1 - 23.7]	20.1	[17.4 - 23.2]	3.4
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Salmonella subterranea* DSM 16208	20.2	[17.0 - 23.8]	21.3	[19.1 - 23.7]	19.5	[16.8 - 22.5]	3.68

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Escherichia hermannii* NCTC 12129	19.3	[16.2 - 22.9]	21.3	[19.0 - 23.7]	18.8	[16.1 - 21.8]	2.59
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)	*Escherichia hermannii* NCTC 12129	19.5	[16.3 - 23.1]	21.3	[19.1 - 23.8]	18.9	[16.2 - 21.9]	2.48
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Escherichia hermannii* NCTC 12129	19.5	[16.3 - 23.1]	21.3	[19.1 - 23.7]	18.9	[16.2 - 21.9]	2.3
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Escherichia hermannii* NCTC 12129	19.6	[16.5 - 23.2]	21.3	[19.0 - 23.7]	19.1	[16.4 - 22.1]	2.2
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)	*Escherichia hermannii* NCTC 12129	19.7	[16.5 - 23.3]	21.3	[19.1 - 23.7]	19.1	[16.4 - 22.1]	2.0
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Salmonella subterranea* DSM 16208	20.2	[17.0 - 23.8]	21.3	[19.1 - 23.7]	19.5	[16.8 - 22.5]	3.68
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Salmonella subterranea* DSM 16208	20.2	[17.0 - 23.8]	21.3	[19.1 - 23.7]	19.5	[16.8 - 22.5]	3.67
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)	*Escherichia hermannii* NCTC 12129	19.9	[16.7 - 23.5]	21.3	[19.0 - 23.7]	19.3	[16.6 - 22.3]	2.11
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)	*Escherichia hermannii* NCTC 12129	20.0	[16.8 - 23.6]	21.2	[19.0 - 23.7]	19.3	[16.6 - 22.3]	2.58
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)	*Escherichia hermannii* NCTC 12129	20.0	[16.8 - 23.6]	21.2	[19.0 - 23.7]	19.3	[16.6 - 22.3]	2.58
'Salmonella enterica subsp. houtenae' (JWSP00000000)	*Salmonella subterranea* DSM 16208	21.1	[17.9 - 24.7]	21.2	[19.0 - 23.7]	20.2	[17.5 - 23.3]	3.51
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)	*Salmonella subterranea* DSM 16208	20.7	[17.5 - 24.3]	21.2	[19.0 - 23.6]	19.9	[17.1 - 22.9]	3.68
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)	*Salmonella subterranea* DSM 16208	20.8	[17.6 - 24.4]	21.2	[19.0 - 23.6]	20.0	[17.3 - 23.0]	3.29
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)	*Escherichia hermannii* NCTC 12129	20.0	[16.8 - 23.6]	21.2	[19.0 - 23.7]	19.3	[16.6 - 22.4]	2.58
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)	*Escherichia hermannii* NCTC 12129	19.2	[16.1 - 22.8]	21.1	[18.8 - 23.5]	18.7	[16.0 - 21.7]	2.75
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)	*Salmonella subterranea* DSM 16208	21.0	[17.8 - 24.6]	21.1	[18.9 - 23.5]	20.1	[17.4 - 23.2]	3.36

Query	Subject	d_0	C.I. d_0	d_4	C.I. d_4	d_6	C.I. d_6	Diff. G+C Percent
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)	*Salmonella subterranea* DSM 16208	21.0	[17.8 - 24.7]	21.1	[18.9 - 23.6]	20.2	[17.4 - 23.2]	3.39

Table 4: Strains in your dataset

Joint dataset of automatically determined closest type strains (if this mode was chosen), manually selected type strains (if selected accordingly) and the provided user strains, if provided (marked in yellow).

Strain	Authority	Other deposits	Synonyms	Base pairs	Percent G+C	No. proteins	Goldstamp	Bioproject accession	Biosample accession	Assembly accession	IMG OID
Citrobacter amalonaticus NCTC 10805	(Young et al. 1971) Brenner and Farmer 1982	9823; CIP 82.89; ATCC 25405; CCUG 4860 A; CCUG 4860; CECT 863; DSM 4593; JCM 1661; NCTC 10805; LMG 7873	*Citrobacter amalonaticus*; *Levinea amalonatica*	5093 340	53.4	5330		PRJEB6403	SAMEA2612491	GCA_900460855	
Levinea malonatica NCTC 10810	Young et al. 1971	ATCC 25408; DSM 4596; JCM 1660	*Levinea malonatica*	4732 730	53.8	5321		PRJEB6403	SAMEA2665133	GCA_900461075	
Salmonella enterica subsp. *houtenae* NCTC 10401	(Le Minor et al. 1985) Le Minor and Popoff 1987	CIP 82.32; ATCC 43974; CCUG 30041; DSM 9221; JCM 1655; NCTC 12418	*Salmonella choleraesuis* subsp. *houtenae*; *Salmonella enterica* subsp. *houtenae*; *Salmonella houtenae*	4624 613	51.8	4238	Gp0342002	PRJNA224116	SAMEA4028441	GCF_900478215	
Salmonella enterica subsp. *diarizonae* NCTC 10060	(Le Minor et al. 1985) Le Minor and Popoff 1987	CIP 82.31; ATCC 43973; CCUG 30040; DSM 14847	*Salmonella choleraesuis* subsp. *diarizonae*; *Salmonella diarizonae*; *Salmonella enterica* subsp. *diarizonae*	5014 773	51.4	5462		PRJEB6403	SAMEA3251426	GCA_900456375	
Salmonella enterica subsp. *indica* NCTC 12420	(Le Minor et al. 1987) Le Minor and Popoff 1987	CIP 102501; ATCC 43976; CCUG 30038; DSM 14848; K1240	*Salmonella choleraesuis* subsp. *indica*; *Salmonella enterica* subsp. *indica*	4925 398	51.6	4915		PRJEB6403	SAMEA2548147	GCA_900456865	

Strain	Authority	Other deposits	Synonyms	Base pairs	Percent G+C	No. proteins	Goldstamp	Bioproject accession	Biosample accession	Assembly accession	IMG OID
Escherichia hermannii NCTC 12129	Brenner et al. 1983	LMG 7867; CCUG 15714; DSM 4560; ATCC 33650; JCM 1473; CDC 980-72; CIP 103176; CIP 104946; HAMBI 1693	*Escherichia hermannii*	4553 773	54.1	4875		PRJNA224116	SAMEA2612498	GCF_900635495	
Salmonella enterica subsp. *salamae* NCTC 5773	(Le Minor et al. 1985) Le Minor and Popoff 1987	CIP 8229; ATCC 43972; CCUG 30039; CECT 4000; DSM 9220; JCM 1653	*Salmonella choleraesuis* subsp. *salamae*; *Salmonella enterica* subsp. *salamae*; *Salmonella salamae*	4724 014	52.2	4916		PRJEB6403	SAMEA2665118	GCA_900635535	
Enterobacter hormaechei subsp. *steigerwaltii* DSM 16691	Hoffmann et al. 2016	CIP 108489; EN-562	*Enterobacter hormaechei* subsp. *steigerwaltii*	4782 480	55.6	4424	Gp0205630	PRJNA224116	SAMN05581751	GCF_001729725	
Citrobacter diversus NCTC 10849	(Burkey 1928) Werkman and Gillen 1932	ATCC 27156; JCM 1659; CDC 3613-63; LMG 5741	*Aerobacter diversum*; *Citrobacter diversus*	4915 694	53.6	4814		PRJEB6403	SAMEA2580312	GCA_900706735	
Salmonella enterica subsp. *arizonae* NCTC 8297	(Borman 1957) Le Minor and Popoff 1987	CIP 82.30; ATCC 13314; CCUG 6322; DSM 9386	*Paracolobactrum arizonae*; *Salmonella arizonae*; *Salmonella choleraesuis* subsp. *arizonae*; *Salmonella enterica* subsp. *arizonae*	4545 679	51.5	5747		PRJEB6403	SAMEA2665124	GCA_900456225	
Salmonella typhi NCTC 8385	(Schroeter 1886) Warren and Scott 1930	ATCC 19430; CUETM 79-394; HAMBI 1306	*Bacillus typhi*; *Salmonella typhi*	4832 830	52.1	4632	Gp0342001	PRJEB6403	SAMEA104281633	GCA_900456745	

Strain	Authority	Other deposits	Synonyms	Base pairs	Percent G+C	No. proteins	Goldstamp	Bioproject accession	Biosample accession	Assembly accession	IMG OID
Salmonella subterranea DSM 16208	Shelobolina et al. 2005	CIP 109002; ATCC BAA-836; FRCI	*Atlantibacter subterraneus*; *Salmonella subterranea*	4717012	55.2	4352	Gp0013253	PRJNA235069	SAMN02745797	GCA_059569295	2574180435
Salmonella choleraesuis DSM 14846	(Smith 1894) Weldin 1927	CIP 55.133; ATCC 13312; JCM 1651; NCTC 5735; F. Kauffmann 1348	*Bacillus choleraesuis*; *Salmonella choleraesuis*; *Salmonella choleraesuis* subsp. *choleraesuis*	4679634	52.1	4514	Gp0251884	PRJNA439983	SAMN08769612	GCA_003201315	2756170275
Kosakonia oryzendophytica REICA_082	(Hardoim et al. 2015) Li et al. 2016	NCCB 100390; LMG 26432	*Enterobacter oryzendophyticus*; *Kosakonia oryzendophytica*	4837282	53.7	4486	Gp0108252	PRJEB15027	SAMN04487791	GCA_900094925	
Enterobacter cloacae ATCC 13047	(Jordan 1890) Hormaeche and Edwards 1960	CIP 60.85; CCUG 28448; CCUG 29301; CCUG 6323; DSM 30054; JCM 1232; NBIMCC 8570; IFO 13535; NBRC 13535; NCTC 10005; HAMBI 1295; HAMBI 96; LMG 2783	*Bacillus cloacae*; *Bacterium cloacae*; *Cloaca cloacae*; *Enterobacter cloacae*; *Enterobacter cloacae* subsp. *cloacae*	5598795	54.6	5518	Gp0006802	PRJNA45793	SAMN02603901	GCA_000025565	646564529

Strain	Authority	Other deposits	Synonyms	Base pairs	Percent G+C	No. proteins	Goldstamp	Bioproject accession	Biosample accession	Assembly accession	IMG OID
Salmonella enterica LT2	(ex Kauffmann and Edwards 1952) Le Minor and Popoff 1987	CIP 60.62; NCIMB 11450; ATCC 43971; CCUG 42060; DSM 17058; DSM 27656; IFO 13245; NBRC 13245; NCTC 12416; NCIB 11450	*Salmonella enterica*; *Salmonella enterica* subsp. *enterica*	4951 371	52.2	4554	Gp0000715	PRJNA241	SAMN02604315	GCA_000006945	637000255
Salmonella typhimurium ATCC 13311	(Loeffler 1892) Castellani and Chalmers 1919	CIP 58.58; ATCC 13311; JCM 1652; NCTC 74	*Bacillus typhimurium*; *Salmonella typhimurium*	4831 756	52.1	4361	Gp0103826	PRJNA256479	SAMN02943517	GCA_000743055	
Salmonella enteritidis ATCC 13076	(Gaertner 1888) Castellani and Chalmers 1919	NCTC 12694	*Bacillus enteritidis*; *Salmonella enteritidis*	4693 127	52.1	4414	Gp0150226	PRJNA308909	SAMN04417439	GCA_001643395	
Salmonella typhimurium JCM 1652	(Loeffler 1892) Castellani and Chalmers 1919	CIP 58.58; ATCC 13311; JCM 1652; NCTC 74	*Bacillus typhimurium*; *Salmonella typhimurium*	4747 271	52.1	5270	Gp0092156	PRJDB611	SAMD00009942	GCA_000614485	
Shigella sonnei ATCC 29930	(Levine 1920) Weldin 1927	CIP 82.49; CECT 4887; DSM 5570; NCTC 12984	*Bacterium sonnei*; *Shigella sonnei*	4994 001	51.0	5043	Gp0307839	PRJNA218110	SAMN08330284	GCA_002950395	
Salmonella bongori NCTC 12419	(Le Minor et al. 1985) Reeves et al. 1989	CIP 82.33; ATCC 43975; CCUG 30042; DSM 13772	*Salmonella bongori*; *Salmonella choleraesuis* subsp. *bongori*; *Salmonella enterica* subsp. *bongori*	4460 105	51.3	3864	Gp0001845	PRJNA351	SAMEA3138409	GCA_000252995	650716084

Strain	Authority	Other deposits	Synonyms	Base pairs	Percent G+C	No. proteins	Goldstamp	Bioproject accession	Biosample accession	Assembly accession	IMG OID
'Salmonella enterica subsp. houtenae str. ATCC BAA-1581' (AGRM00000000)				4811743	51.7	4468					
'Salmonella enterica subsp. enterica serovar Enteritidis str. PT23' (AHUR00000000)				4721404	52.1	4537					
'Salmonella enterica subsp. enterica serovar Typhi str. BL196' (AJGK00000000)				4689922	52.1	4676					
'Salmonella enterica subsp. enterica serovar Typhi str. ST0208' (AJXA00000000)				4690773	52.0	4703					
'Salmonella enterica subsp. diarizonae serovar 60:r:e,n,x,z15 str. 01-0170' (APAC00000000)				5536435	51.3	5297					
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N26928' (AWRB00000000)				4488660	51.5	4228					
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:- str. CVM N5' (AWRQ00000000)				4491211	51.5	4221					

Strain	Authority	Other deposits	Synonyms	Base pairs	Percent G+C	No. proteins	Goldstamp	Bioproject accession	Biosample accession	Assembly accession	IMG OID
'Salmonella enterica subsp. salamae str. 3588/07' (CAFD00000000)				5116236	51.8	4878					
'Salmonella enterica subsp. enterica serovar Brandenburg' (CP030002)				4677648	52.2	4343					
'Salmonella enterica subsp. houtenae' (JWSP00000000)				4839711	51.7	4493					
'Salmonella enterica subsp. arizonae serovar 18:z4,z23:-' (JYXQ00000000)				4488696	51.5	4223					
'Salmonella enterica subsp. enterica serovar Kentucky' (LIOD00000000)				4914439	52.0	4605					
'Salmonella enterica subsp. salamae' (LS483477)				4883767	52.0	4478					
'Salmonella enterica subsp. diarizonae serovar 38:[k]:-' (MLXY00000000)				4933784	52.1	4714					
'Salmonella enterica subsp. indica serovar 6,14,25:z10:1,(2),7' (MXOB00000000)				4676575	51.8	4354					

Strain	Authority	Other deposits	Synonyms	Base pairs	Percent G+C	No. proteins	Goldstamp	Bioproject accession	Biosample accession	Assembly accession	IMG OID
'Salmonella enterica subsp. diarizonae serovar 38:z10:z53' (MXOS00000000)				4759923	51.6	4442					
'Salmonella enterica subsp. salamae serovar 47:d:z39' (MXPK00000000)				4989558	51.9	4777					
'Salmonella enterica subsp. indica serovar 1,6,14:a:e,n,x' (MYEV00000000)				4663760	51.8	4355					
'Salmonella enterica subsp. houtenae serovar 50:g,z51:-' (MYYR00000000)				4841611	51.5	4649					
'Salmonella enterica subsp. enterica serovar Typhi str. CT18' (NC_003198)				4809037	52.1	4676					
'Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150' (NC_006511)				4585229	52.2	4348					
'Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7' (NC_010102)				4858887	52.1	4561					
'Salmonella enterica subsp. enterica serovar Agona str. SL483' (NC_011149)				4798660	52.1	4454					

Strain	Authority	Other deposits	Synonyms	Base pairs	Percent G+C	No. proteins	Goldstamp	Bioproject accession	Biosample accession	Assembly accession	IMG OID
'Salmonella enterica subsp. indica serovar Marseille' (NPMC00000000)				4696577	52.2	4389					
'Salmonella enterica subsp. enterica serovar Infantis' (QDNO00000000)				4602570	52.3	4281					

Methods, Results and References

The genome sequence data were uploaded to the Type (Strain) Genome Server (TYGS), a free bioinformatics platform available under https://tygs.dsmz.de, for a whole genome-based taxonomic analysis [1]. The analysis also made use of recently introduced methodological updates and features [2,3]. Information on nomenclature, synonymy and associated taxonomic literature was provided by TYGS's sister database, the List of Prokaryotic names with Standing in Nomenclature (LPSN, available at https://lpsn.dsmz.de) [2,3]. The results were provided by the TYGS on 2019-10-02. The TYGS analysis was subdivided into the following steps:

Determination of closely related type strains

Determination of closest type strain genomes was done in two complementary ways: First, all user genomes were compared against all type strain genomes available in the TYGS database via the MASH algorithm, a fast approximation of intergenomic relatedness [4], and, the ten type strains with the smallest MASH distances chosen per user genome. Second, an additional set of ten closely related type strains was determined via the 16S rDNA gene sequences. These were extracted from the user genomes using RNAmmer [5] and each sequence was subsequently BLASTed [6] against the 16S rDNA gene sequence of each of the currently 25466 type strains available in the TYGS database. This was used as a proxy to find the best 50 matching type strains (according to the bitscore) for each user genome and to subsequently calculate precise distances using the Genome BLAST Distance Phylogeny approach (GBDP) under the algorithm 'coverage' and distance formula d_5 [7]. These distances were finally used to determine the 10 closest type strain genomes for each of the user genomes.

Pairwise comparison of genome sequences

For the phylogenomic inference, all pairwise comparisons among the set of genomes were conducted using GBDP and accurate intergenomic distances inferred under the algorithm 'trimming' and distance formula d_5 [7]. 100 distance replicates were calculated each. Digital DDH values and confidence intervals were calculated using the recommended settings of the GGDC 4.0 [2,7].

Phylogenetic inference

The resulting intergenomic distances were used to infer a balanced minimum evolution tree with branch support via FASTME 2.1.6.1 including SPR postprocessing [8]. Branch support was inferred from 100 pseudo-bootstrap replicates each. The trees were rooted at the midpoint [9] and visualized with PhyD3 [10].

Type-based species and subspecies clustering

The type-based species clustering using a 70% dDDH radius around each of the 21 type strains was done as previously described [1]. The resulting groups are shown in Table 1 and 4. Subspecies clustering was done using a 79% dDDH threshold as previously introduced [11].

Results

Type-based species and subspecies clustering

The resulting species and subspecies clusters are listed in Table 4, whereas the taxonomic identification of the query strains is found in Table 1. Briefly, the clustering yielded 15 species clusters and the provided query strains were assigned to 6 of these. Moreover, user strains were located in 6 of 15 subspecies clusters.

Figure caption SSU tree

Figure 1. Tree inferred with FastME 2.1.6.1 [8] from GBDP distances calculated from 16S rDNA gene sequences. The branch lengths are scaled in terms of GBDP distance formula d_5. The numbers above branches are GBDP pseudo-bootstrap support values > 60 % from 100 replications, with an average branch support of 49.1 %. The tree was rooted at the midpoint [9].

Figure caption genome tree

Figure 2. Tree inferred with FastME 2.1.6.1 [8] from GBDP distances calculated from genome sequences. The branch lengths are scaled in terms of GBDP distance formula d_5. The numbers above branches are GBDP pseudo-bootstrap support values > 60 % from 100 replications, with an average branch support of 54.1 %. The tree was rooted at the midpoint [9].

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