TYPE (STRAIN) GENOME SERVER

# JOB SUMMARY

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|---|---|
| PRINT DATE: | 2026-09-16 02:36:53 +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 25348 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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