**Project Information**

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| **PROPERTY** | **TERM** |
| **ORGANISM** | Salmonella enterica subsp.enterica serovar Typhimurium |
| **SAMPLE ACCESSION** | SAMN23970342 |
| **INSTRUMENT PLATFORM** | ILLUMINA |
| **INSTRUMENT MODEL** | Illumina Miseq |
| **LIBRARY LAYOUT** | PAIRED |
| **LIBRARY STRATEGY** | WGS |
| **LIBRARY SOURCE** | Genomic |
| **LIBRARY NAME** | Nextra DNA Flex Library SEQ0000115903 |
| **BIOPROJECT** | PRJNA230969 |
| **BIOSAMPLE** | SAMN23970342 |

**Genomic Features and Statistics**

|  |  |
| --- | --- |
| **ATTRIBUTE** | **VALUE** |
| **GENOME ID** | 590.24819 |
| **GENOME NAME** | Salmonella SRR17214482 |
| **NCBI TAXON ID** | 590 |
| **GENOME STATUS** | WGS |
| **MLST** | MLST. Salmonella\_enterica.513 |
| **QUALITY** | Good |
| **COARSE CONSISTENCY** | 99.7 |
| **FINE CONSISTENCY** | 99 |
| **SEQUENCE INFORMATION** | **VALUE** |
| **CONTIG** | 31 |
| **LENGTH** | 4722373 |
| **GC- CONTENT [%]** | 52.18175 |
| **PATRIC CDS** | 4707 |

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| --- | --- |
| **GENOMIC FEATURES** | **VALUE** |
| **CDS** | 4707 |
| **tRNA** | 77 |
| **Crispr\_repeat** | 64 |
| **Crispr\_spacer** | 63 |
| **Crispr\_array** | 3 |
| **rRNA** | 3 |
| **PROTEIN FEATURES** | **VALUE** |
| **Protein with Functional Assignment** | 4210 |
| **Hypothetical protein** | 497 |
| **Protein with GO Assignment** | 1048 |
| **Protein with Patric genus specific family Assignment** | 4599 |
| **Protein with Patric cross genus family Assignment** | 4624 |
| **SPECIALTY GENES** | **VALUE** |
| **Virulence Factors** | 764 |
| **Transporter** | 750 |
| **Drug Target** | 350 |
| **Antibiotic Resistance** | 130 |

**GENOME ANNOTATION REPORT**

|  |  |
| --- | --- |
| **ATTRIBUTE** | **VALUE** |
| **Genome ID** | 590.24819 |
| **Genome name** | Salmonella SRR17214482 |
| **Reference Genome** | 46626.35 |
| **Coarse consistency [%]** | 99.7 |
| **Fine consistency [%]** | 99.0 |
| **Completeness** | 100 |
| **Contamination** | 0 |
| **Evaluation group** | R200 Salmonella enteric subsp.enterica serovar Heideberg str 79-0480 |
| **Contig count** | 31 |
| **DNA size [bP]** | 4722373 |
| **Contigs [N50] [bp]** | 460962 |
| **Contigs L50** | 4 |
| **Over present role** | 8 |
| **Under present role** | 6 |
| **Predicted role** | 1396 |
| **Completeness** | 82 |
| **Total distinct role** | 4092 |
| **Protein encoding gene with functional assignment** | 3441 |
| **Protein encoding feature coverage** | 99.67 |

**FUNCTIONAL GENOME PROPERTIES OF Salmonella SRR17214482**