Genome	Isolation Date	Outbreak	Source (food/human)	Accession number
SRR4063739.1	nov-15	Polish outbreak	Human	SRR4063739
SRR3285443.1	oct-15	Polish outbreak	Human	SRR3285443
TIAC3660	2016	Polish outbreak	Food	SAMN15963373
TIAC3651	2016	Polish outbreak	Food	SAMN15963374
TIAC3670	2016	Polish outbreak	Food	SAMN15963375
TIAC3663_2	2016	Polish outbreak	Food	SAMN15963376
TIAC3659	2016	Polish outbreak	Food	SAMN15963377
TIAC3667	2016	Polish outbreak	Food	SAMN15963378
TIAC3662	2016	Polish outbreak	Food	SAMN15963379
SRR4063700.1	févr-16	Polish outbreak	Human	SRR4063700
S17BD05926	août-17	Polish outbreak	Human faeces	SAMN15963380
S17BD07382	sept-17	Polish outbreak	Human faeces	SAMN15963381
ERR2173854.1	2017	Polish outbreak	Food (eggs)	ERR2173854
S18BD04909	juil-18	Polish outbreak	Human faeces	SAMN15963382
S19BD01263	févr-19	Polish outbreak	Human faeces	SAMN15963383
S19BD01323	févr-19	Polish outbreak	Human faeces	SAMN15963384
S19BD03708	mai-19	Sporadic	Human faeces	SAMN15963385
S19BD03764	mai-19	Sporadic	Human faeces	SAMN15963386
S19BD04434	juin-19	Sporadic	Human blood	SAMN15963387
S19BD04853	juil-19	Sporadic	Human faeces	SAMN15963388
S19BD04889	juil-19	Sporadic	Human faeces	SAMN15963389
S19BD04888	juil-19	Sporadic	Human faeces	SAMN15963390
S19BD04892	juil-19	Sporadic	Human faeces	SAMN15963391
S19BD04976	juil-19	Sporadic	Human faeces	SAMN15963392
S19BD05008	juil-19	Sporadic	Human faeces	SAMN15963393
S19BD04986	juil-19	Sporadic	Human faeces	SAMN15963394
S19BD06604	sept-19	Hotel school outbreak	Human faeces	SAMN15963395
S19BD06627	sept-19	Hotel school outbreak	Human faeces	SAMN15963396
S19BD06641	sept-19	Hotel school outbreak	Human faeces	SAMN15963397
S19BD06642	sept-19	Hotel school outbreak	Human faeces	SAMN15963398
S19BD06633	sept-19	Hotel school outbreak	Human faeces	SAMN15963399
S19FP07382	sept-19	Hotel school outbreak	Food (sample dish)	SAMN15963400
S19FP07576	sept-19	Hotel school outbreak	Food (fish)	SAMN15963401
S19FP07457	sept-19	Hotel school outbreak	Food (potatoes)	SAMN15963402
S19FP07414	sept-19	Hotel school outbreak	Food (sauce)	SAMN15963403
S19FP07575	sept-19	Hotel school outbreak	Food (chicken)	SAMN15963404
metagenomics_sauce	sept-19	Hotel school outbreak	Food (sauce)	SAMN15957186
metagenomics_meal	sept-19	Hotel school outbreak	Food (witness meal)	SAMN15957185

Supplementary Table S1: list of isolates and metagenomics samples used in the study, in chronological order

	Meal (containing sauce)	Sauce
invA	19	19
rpoD	17	17

Supplementary Table S2: qPCR results (Cq) for *invA* and *rpoD* genes (indicators of the presence of Salmonella) in DNA extracts of the metagenomics food samples of the suspect meal and sauce.
These results are based on qPCR conducted on 10 ng of DNA.

Supplementary Table S3: PathogenFinder and Ccmetagen results

Sauce_pathogenFinder

INPUT SEQUENCE INFO:
Input Name 1_06_07_2020_171459_426247_input.fsa.translated
Sequences 4429
Total bpp :: 1362786
Longest se 4963
Shortest se 30
Avg seq len 307.0

RESULTS:
Min Identit 99.788
Z-THRESHC 3.0
Prediction 688.007
Probability 0.916
Matches:: 166
Genome Cc 3.75
Pathogenic 166
Non-Patho 0
The organi Yes

MATCHED SEQUENCES:
#input_seq NODE_60_length_646563_cov_65.400093_27 # 25857 # 37331 # 1 # ID=55_27;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.586
#matched_ 30687 AM933172 Salmonella Gammaprc large repet CAR34191 Yes 100.0

#input_seq NODE_16_length_126950_cov_59.128658_1 # 75 # 3371 # 1 # ID=16_1;partial=00;start_type=GTG;rbs_motif=None;rbs_spacer=None;gc_cont=0.585
#matched_ 30687 AM933172 Salmonella Gammaprc host coloni CAR34076 Yes 99.91

#input_seq NODE_15_length_101064_cov_65.558540_1 # 36 # 5327 # 1 # ID=15_1;partial=00;start_type=GTG;rbs_motif=None;rbs_spacer=None;gc_cont=0.576
#matched_ 30687 AM933172 Salmonella Gammaprc putative su CAR34880 Yes 99.94

#input_seq NODE_55_length_227664_cov_64.735596_158 # 182738 # 185770 # -1 # ID=50_158;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.540
#matched_ 30687 AM933172 Salmonella Gammaprc putative vir CAR31804 Yes 100.0

#input_seq NODE_5_length_103311_cov_67.135666_88 # 92305 # 95301 # 1 # ID=5_88;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.549
#matched_ 30687 AM933172 Salmonella Gammaprc putative ch CAR31609 Yes 100.0

#input_seq NODE_22_length_96475_cov_67.302765_75 # 92585 # 95113 # -1 # ID=22_75;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.554
#matched_ 30687 AM933172 Salmonella Gammaprc outer mem CAR35038 Yes 100.0

#input_seq NODE_71_length_10665_cov_58.589874_1 # 208 # 2652 # 1 # ID=64_1;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.353
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH75604 Yes 100.0

#input_seq NODE_13_length_108117_cov_59.245605_76 # 70884 # 73232 # 1 # ID=13_76;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.476
#matched_ 30687 AM933172 Salmonella Gammaprc secreted pr CAR33644 Yes 100.0

#input_seq NODE_23_length_73727_cov_57.941418_32 # 33932 # 34768 # 1 # ID=23_32;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.421
#matched_ 18747 CP001113 Salmonella Gammaprc leucine-rich ACF64457 Yes 100.0

#input_seq NODE_43_length_158678_cov_61.287140_102 # 107400 # 109511 # -1 # ID=40_102;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.535
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR33713 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_181 # 194839 # 196266 # 1 # ID=55_181;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.556
#matched_ 13086 CP000026 Salmonella Gammaprc hypothetic AAV78633 Yes 99.79

#input_seq NODE_32_length_80799_cov_55.918278_23 # 16925 # 18907 # -1 # ID=30_23;partial=00;start_type=GTG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.513
#matched_ 30687 AM933172 Salmonella Gammaprc invasin-like CAR32941 Yes 100.0

#input_seq NODE_38_length_90473_cov_62.676788_40 # 38610 # 40538 # 1 # ID=36_40;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.501
#matched_ 20063 CP001138 Salmonella Gammaprc putative sig ACH50577 Yes 100.0

#input_seq NODE_36_length_124741_cov_60.690357_126 # 120475 # 121959 # -1 # ID=34_126;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.536
#matched_ 27803 CP000886 Salmonella Gammaprc hypothetic ABX67766 Yes 100.0

#input_seq NODE_61_length_79735_cov_58.559189_72 # 69728 # 71437 # -1 # ID=56_72;partial=00;start_type=ATG;rbs_motif=GGxGG;rbs_spacer=5-10bp;gc_cont=0.494
#matched_ 30687 AM933172 Salmonella Gammaprc Chimeric pr CAR32496 Yes 100.0

#input_seq NODE_25_length_296459_cov_58.314911_90 # 93230 # 94930 # 1 # ID=25_90;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.573
#matched_ 30687 AM933172 Salmonella Gammaprc conserved CAR33157 Yes 100.0

#input_seq NODE_45_length_20957_cov_61.294270_15 # 12972 # 14534 # -1 # ID=42_15;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.485
#matched_ 30687 AM933172 Salmonella Gammaprc putative ph CAR33503 Yes 100.0

#input_seq NODE_26_length_36755_cov_56.073380_30 # 28416 # 29945 # -1 # ID=26_30;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.493
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH76829 Yes 100.0

#input_seq NODE_47_length_146561_cov_60.306297_33 # 32498 # 33925 # -1 # ID=44_33;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.523
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH73670 Yes 100.0

#input_seq NODE_32_length_80799_cov_55.918278_52 # 45878 # 47251 # -1 # ID=30_52;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.400

#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR32912 Yes 100.0

#input_seq NODE_8_length_79935_cov_65.400261_7 # 7852 # 9114 # -1 # ID=8_7;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.474
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH74256 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_38 # 52434 # 53678 # 1 # ID=55_38;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.623
#matched_ 30687 AM933172 Salmonella Gammaprc ferric enter CAR34201 Yes 100.0

#input_seq NODE_61_length_79735_cov_58.559189_74 # 72044 # 72673 # -1 # ID=56_74;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.440
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH75346 Yes 100.0

#input_seq NODE_54_length_31752_cov_61.291225_26 # 19905 # 21047 # -1 # ID=49_26;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.401
#matched_ 30687 AM933172 Salmonella Gammaprc exported p CAR32575 Yes 100.0

#input_seq NODE_13_length_108117_cov_59.245605_47 # 44842 # 45636 # -1 # ID=13_47;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=5-10bp;gc_cont=0.507
#matched_ 9618 AE017220 Salmonella Gammaprc Propanedic AAX65951 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_42 # 57894 # 58946 # -1 # ID=55_42;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.443
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH75240 Yes 100.0

#input_seq NODE_5_length_103311_cov_67.135666_61 # 62624 # 63709 # -1 # ID=5_61;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.521
#matched_ 30687 AM933172 Salmonella Gammaprc putative fir CAR35900 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_204 # 217185 # 218138 # 1 # ID=55_204;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.414
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH75270 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_291 # 321364 # 322440 # -1 # ID=55_291;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.398
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR34448 Yes 100.0

#input_seq NODE_25_length_296459_cov_58.314911_15 # 16769 # 17842 # -1 # ID=25_15;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.391
#matched_ 20045 CP001120 Salmonella Gammaprc putative S- ACF69408 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_402 # 434619 # 435674 # -1 # ID=55_402;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.427
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH75868 Yes 100.0

#input_seq NODE_39_length_153021_cov_61.666740_49 # 47873 # 48316 # -1 # ID=37_49;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.448
#matched_ 18747 CP001113 Salmonella Gammaprc putative in ACF63523 Yes 100.0

#input_seq NODE_25_length_296459_cov_58.314911_176 # 172189 # 173211 # 1 # ID=25_176;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.554
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH76599 Yes 100.0

#input_seq NODE_70_length_38284_cov_61.488220_19 # 18313 # 19323 # -1 # ID=63_19;partial=00;start_type=ATG;rbs_motif=AGGA/GGAG/GAGG;rbs_spacer=11-12bp;gc_cont=0.337
#matched_ 241 AE006468 Salmonella Gammaprc putative cy AAL22985 Yes 100.0

#input_seq NODE_45_length_20957_cov_61.294270_12 # 11111 # 12118 # 1 # ID=42_12;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.377
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH76035 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_514 # 553930 # 554784 # 1 # ID=55_514;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.532
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH76566 Yes 100.0

#input_seq NODE_95_length_32400_cov_41.186821_47 # 32344 # 32523 # -1 # ID=78_47;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.483
#matched_ 19467 CP001143 Salmonella Gammaprc 2021853 pl ACH73520 Yes 100.0

#input_seq NODE_6_length_44653_cov_65.363983_27 # 18439 # 19413 # -1 # ID=6_27;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.541
#matched_ 30687 AM933172 Salmonella Gammaprc phage prot CAR33536 Yes 100.0

#input_seq NODE_61_length_79735_cov_58.559189_70 # 67701 # 68669 # -1 # ID=56_70;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.411
#matched_ 30687 AM933172 Salmonella Gammaprc putative ty CAR32499 Yes 100.0

#input_seq NODE_11_length_84132_cov_55.736568_37 # 44928 # 45878 # 1 # ID=11_37;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.381
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR33033 Yes 100.0

#input_seq NODE_4_length_129862_cov_68.147278_24 # 21710 # 22534 # -1 # ID=4_24;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.521
#matched_ 18747 CP001113 Salmonella Gammaprc protein ba ACF62390 Yes 100.0

#input_seq NODE_6_length_44653_cov_65.363983_56 # 42726 # 43571 # -1 # ID=6_56;partial=00;start_type=ATG;rbs_motif=AGGA/GGAG/GAGG;rbs_spacer=11-12bp;gc_cont=0.312
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR33562 Yes 100.0

#input_seq NODE_108_length_30650_cov_64.060486_5 # 3766 # 4677 # 1 # ID=83_5;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=3-4bp;gc_cont=0.368
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR35817 Yes 100.0

#input_seq NODE_43_length_158678_cov_61.287140_58 # 60382 # 61290 # -1 # ID=40_58;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.549
#matched_ 20993 CP000857 Salmonella Gammaprc putative tr ACN45676 Yes 100.0

#input_seq NODE_56_length_16443_cov_54.543636_14 # 15614 # 16510 # -1 # ID=51_14;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.421
#matched_ 30687 AM933172 Salmonella Gammaprc conserved CAR32369 Yes 100.0

#input_seq NODE_6_length_44653_cov_65.363983_25 # 17091 # 17972 # -1 # ID=6_25;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.529
#matched_ 30687 AM933172 Salmonella Gammaprc putative DI CAR33534 Yes 100.0

#input_seq NODE_10_length_35970_cov_59.451458_16 # 17771 # 18634 # 1 # ID=10_16;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.478

#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH77983 Yes 100.0

#input_seq NODE_6_length_44653_cov_65.363983_23 # 15816 # 16676 # -1 # ID=6_23;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.513
#matched_ 30687 AM933172 Salmonella Gammaprc phage prot CAR33532 Yes 100.0

#input_seq NODE_4_length_129862_cov_68.147278_122 # 129456 # 129893 # -1 # ID=4_122;partial=00;start_type=ATG;rbs_motif=3Base/5BMM;rbs_spacer=13-15bp;gc_cont=0.470
#matched_ 30687 AM933172 Salmonella Gammaprc putative tra CAR35159 Yes 100.0

#input_seq NODE_76_length_41287_cov_66.355003_25 # 26489 # 27346 # 1 # ID=69_25;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.445
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR35662 Yes 100.0

#input_seq NODE_32_length_80799_cov_55.918278_24 # 18982 # 19740 # -1 # ID=30_24;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.486
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH75973 Yes 100.0

#input_seq NODE_38_length_90473_cov_62.676788_43 # 42263 # 42970 # 1 # ID=36_43;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.527
#matched_ 27803 CP000886 Salmonella Gammaprc hypothetic ABX68259 Yes 100.0

#input_seq NODE_4_length_129862_cov_68.147278_77 # 82888 # 83697 # -1 # ID=4_77;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.380
#matched_ 18747 CP001113 Salmonella Gammaprc lipopolysac ACF61845 Yes 100.0

#input_seq NODE_43_length_158678_cov_61.287140_6 # 2895 # 3359 # 1 # ID=40_6;partial=00;start_type=GTG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.555
#matched_ 241 AE006468 Salmonella Gammaprc putative ta AAL21145 Yes 100.0

#input_seq NODE_36_length_124741_cov_60.690357_33 # 26442 # 27122 # 1 # ID=34_33;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.396
#matched_ 18747 CP001113 Salmonella Gammaprc EnvF ACF63287 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_160 # 174247 # 174996 # -1 # ID=55_160;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.463
#matched_ 18747 CP001113 Salmonella Gammaprc invasion pr ACF62882 Yes 100.0

#input_seq NODE_55_length_227664_cov_64.735596_41 # 48775 # 49395 # -1 # ID=50_41;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=11-12bp;gc_cont=0.494
#matched_ 20045 CP001120 Salmonella Gammaprc putative se ACF67367 Yes 100.0

#input_seq NODE_95_length_32400_cov_41.186821_41 # 28175 # 28900 # -1 # ID=78_41;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.455
#matched_ 241 AE006471 Salmonella Gammaprc Salmonella AAL23529 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_294 # 325824 # 326405 # -1 # ID=55_294;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.519
#matched_ 30687 AM933172 Salmonella Gammaprc probable fi CAR34451 Yes 100.0

#input_seq NODE_16_length_126950_cov_59.128658_49 # 58604 # 58891 # 1 # ID=16_49;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.576
#matched_ 236 XXX Salmonella Gammaprc XXX Yes 100.0

#input_seq NODE_61_length_79735_cov_58.559189_66 # 65381 # 66067 # 1 # ID=56_66;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.345
#matched_ 18747 CP001113 Salmonella Gammaprc gifsy-2 proj ACF61586 Yes 100.0

#input_seq NODE_46_length_32154_cov_60.481960_13 # 10771 # 10932 # 1 # ID=43_13;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.543
#matched_ 19459 CP001127 Salmonella Gammaprc putative de ACF90369 Yes 100.0

#input_seq NODE_47_length_146561_cov_60.306297_99 # 104480 # 105046 # 1 # ID=44_99;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.534
#matched_ 18747 CP001113 Salmonella Gammaprc putative in ACF62772 Yes 100.0

#input_seq NODE_108_length_30650_cov_64.060486_15 # 13059 # 13730 # -1 # ID=83_15;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.549
#matched_ 18747 CP001113 Salmonella Gammaprc transporte ACF63700 Yes 100.0

#input_seq NODE_25_length_296459_cov_58.314911_22 # 25455 # 26126 # -1 # ID=25_22;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.466
#matched_ 19459 CP001127 Salmonella Gammaprc putative re ACF91607 Yes 100.0

#input_seq NODE_8_length_79935_cov_65.400261_51 # 53404 # 53994 # 1 # ID=8_51;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.591
#matched_ 20993 CP000857 Salmonella Gammaprc two-compc ACN47943 Yes 100.0

#input_seq NODE_9_length_77180_cov_66.750366_40 # 43313 # 43879 # -1 # ID=9_40;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.538
#matched_ 241 AE006468 Salmonella Gammaprc formate-de AAL23102 Yes 100.0

#input_seq NODE_61_length_79735_cov_58.559189_68 # 66427 # 67053 # 1 # ID=56_68;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.526
#matched_ 18747 CP001113 Salmonella Gammaprc conserved ACF64625 Yes 100.0

#input_seq NODE_61_length_79735_cov_58.559189_73 # 71434 # 72060 # -1 # ID=56_73;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.445
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH76904 Yes 100.0

#input_seq NODE_32_length_80799_cov_55.918278_6 # 2104 # 2721 # 1 # ID=30_6;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.508
#matched_ 30687 AM933172 Salmonella Gammaprc putative ph CAR32958 Yes 100.0

#input_seq NODE_43_length_158678_cov_61.287140_13 # 10726 # 11346 # 1 # ID=40_13;partial=00;start_type=GTG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.435
#matched_ 30687 AM933172 Salmonella Gammaprc putative m CAR33803 Yes 100.0

#input_seq NODE_67_length_57630_cov_67.711472_44 # 25028 # 25495 # 1 # ID=60_44;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.526
#matched_ 9618 AE017220 Salmonella Gammaprc leader pept AAX67282 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_296 # 327803 # 328339 # -1 # ID=55_296;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.488
#matched_ 27803 CP000886 Salmonella Gammaprc hypothetic ABX69108 Yes 100.0

#input_seq NODE_45_length_20957_cov_61.294270_14 # 12403 # 12972 # -1 # ID=42_14;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=5-10bp;gc_cont=0.449

#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH74860 Yes 100.0

#input_seq NODE_108_length_30650_cov_64.060486_10 # 8964 # 9410 # 1 # ID=83_10;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.494
#matched_ 27803 CP000886 Salmonella Gammaprc hypothetic ABX70941 Yes 100.0

#input_seq NODE_46_length_32154_cov_60.481960_34 # 28897 # 29298 # 1 # ID=43_34;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.507
#matched_ 18747 CP001113 Salmonella Gammaprc putative m ACF64245 Yes 100.0

#input_seq NODE_16_length_126950_cov_59.128658_63 # 72426 # 72851 # 1 # ID=16_63;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=11-12bp;gc_cont=0.531
#matched_ 27803 CP000886 Salmonella Gammaprc hypothetic ABX65938 Yes 100.0

#input_seq NODE_32_length_80799_cov_55.918278_21 # 15418 # 15936 # -1 # ID=30_21;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.455
#matched_ 30687 AM933172 Salmonella Gammaprc putative th CAR32943 Yes 100.0

#input_seq NODE_2_length_29717_cov_52.887440_3 # 1369 # 1923 # -1 # ID=2_3;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.324
#matched_ 30687 AM933172 Salmonella Gammaprc putative ph CAR32964 Yes 100.0

#input_seq NODE_55_length_227664_cov_64.735596_7 # 5987 # 6538 # 1 # ID=50_7;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.560
#matched_ 371 AE014613 Salmonella Gammaprc citx protein AAO67797 Yes 100.0

#input_seq NODE_47_length_146561_cov_60.306297_59 # 59737 # 60231 # 1 # ID=44_59;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.529
#matched_ 18747 CP001113 Salmonella Gammaprc YfbU doma ACF63247 Yes 100.0

#input_seq NODE_43_length_158678_cov_61.287140_81 # 84874 # 85404 # -1 # ID=40_81;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.409
#matched_ 20045 CP001120 Salmonella Gammaprc conserved ACF65987 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_549 # 589525 # 589857 # -1 # ID=55_549;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.511
#matched_ 27803 CP000886 Salmonella Gammaprc hypothetic ABX69431 Yes 100.0

#input_seq NODE_95_length_32400_cov_41.186821_31 # 21905 # 22426 # 1 # ID=78_31;partial=00;start_type=ATG;rbs_motif=AGGA/GGAG/GAGG;rbs_spacer=11-12bp;gc_cont=0.600
#matched_ 19467 CP001143 Salmonella Gammaprc 2021853 pl ACH73553 Yes 100.0

#input_seq NODE_57_length_17196_cov_66.243019_3 # 4493 # 5011 # -1 # ID=52_3;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.480
#matched_ 241 AE006468 Salmonella Gammaprc putative cy AAL19245 Yes 100.0

#input_seq NODE_6_length_44653_cov_65.363983_38 # 25522 # 26037 # 1 # ID=6_38;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.506
#matched_ 30687 AM933172 Salmonella Gammaprc phage prot CAR33544 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_418 # 451045 # 451548 # -1 # ID=55_418;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.431
#matched_ 241 AE006468 Salmonella Gammaprc putative A1 AAL22028 Yes 100.0

#input_seq NODE_9_length_77180_cov_66.750366_46 # 50744 # 51154 # -1 # ID=9_46;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.550
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH77658 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_290 # 320708 # 321220 # -1 # ID=55_290;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.522
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR34447 Yes 100.0

#input_seq NODE_95_length_32400_cov_41.186821_34 # 23990 # 24478 # 1 # ID=78_34;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.656
#matched_ 9618 AY509003 Salmonella Gammaprc hypothetic AAS58885 Yes 100.0

#input_seq NODE_95_length_32400_cov_41.186821_35 # 24472 # 24957 # 1 # ID=78_35;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.687
#matched_ 20993 CP000858 Salmonella Gammaprc putative in ACN48783 Yes 100.0

#input_seq NODE_19_length_134466_cov_56.610832_123 # 116394 # 116867 # -1 # ID=19_123;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.437
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH75557 Yes 100.0

#input_seq NODE_76_length_41287_cov_66.355003_28 # 29681 # 29974 # -1 # ID=69_28;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.469
#matched_ 20993 CP000857 Salmonella Gammaprc co-chapero ACN48531 Yes 100.0

#input_seq NODE_36_length_124741_cov_60.690357_26 # 19449 # 19916 # -1 # ID=34_26;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.453
#matched_ 27803 CP000886 Salmonella Gammaprc hypothetic ABX67495 Yes 100.0

#input_seq NODE_68_length_9630_cov_64.098755_3 # 2026 # 2457 # 1 # ID=61_3;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.306
#matched_ 30687 AM933172 Salmonella Gammaprc exported p CAR31864 Yes 100.0

#input_seq NODE_108_length_30650_cov_64.060486_6 # 4882 # 5343 # 1 # ID=83_6;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.489
#matched_ 30687 AM933172 Salmonella Gammaprc putative ex CAR35818 Yes 100.0

#input_seq NODE_22_length_96475_cov_67.302765_20 # 19768 # 20205 # 1 # ID=22_20;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.548
#matched_ 20993 CP000857 Salmonella Gammaprc nickel resp ACN47734 Yes 100.0

#input_seq NODE_55_length_227664_cov_64.735596_106 # 125001 # 125363 # 1 # ID=50_106;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.518
#matched_ 20993 CP000857 Salmonella Gammaprc hypothetic ACN44363 Yes 100.0

#input_seq NODE_39_length_153021_cov_61.666740_38 # 38415 # 38861 # -1 # ID=37_38;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.474
#matched_ 236 XXX Salmonella Gammaprc XXX Yes 100.0

#input_seq NODE_24_length_87782_cov_66.560822_12 # 9998 # 10444 # 1 # ID=24_12;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.445
#matched_ 30687 AM933172 Salmonella Gammaprc putative m CAR35766 Yes 100.0

#input_seq NODE_54_length_31752_cov_61.291225_16 # 13774 # 14214 # 1 # ID=49_16;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.347

#matched_ 30687 AM933172 Salmonella Gammaprc putative ex CAR32583 Yes 100.0

#input_seq NODE_1_length_82865_cov_55.686321_32 # 31760 # 32053 # -1 # ID=1_32;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.452
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH74145 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_5 # 6004 # 6342 # 1 # ID=55_5;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.469
#matched_ 13030 CP000880 Salmonella Gammaprc hypothetic ABX20207 Yes 100.0

#input_seq NODE_4_length_129862_cov_68.147278_9 # 7808 # 8140 # 1 # ID=4_9;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.456
#matched_ 236 XXX Salmonella Gammaprc XXX Yes 100.0

#input_seq NODE_44_length_20513_cov_41.343147_9 # 8119 # 8454 # 1 # ID=41_9;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.527
#matched_ 19467 CP001143 Salmonella Gammaprc 2021853 pl ACH73540 Yes 100.0

#input_seq NODE_36_length_124741_cov_60.690357_69 # 64699 # 65076 # -1 # ID=34_69;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.497
#matched_ 18747 CP001113 Salmonella Gammaprc histidine tr ACF64355 Yes 100.0

#input_seq NODE_32_length_80799_cov_55.918278_20 # 14973 # 15311 # 1 # ID=30_20;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.428
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR32944 Yes 100.0

#input_seq NODE_6_length_44653_cov_65.363983_39 # 26034 # 26393 # 1 # ID=6_39;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.444
#matched_ 30687 AM933172 Salmonella Gammaprc phage prot CAR33545 Yes 100.0

#input_seq NODE_95_length_32400_cov_41.186821_38 # 26304 # 26654 # -1 # ID=78_38;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.462
#matched_ 20993 CP000858 Salmonella Gammaprc hypothetic ACN48780 Yes 100.0

#input_seq NODE_22_length_96475_cov_67.302765_14 # 14970 # 15305 # -1 # ID=22_14;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.515
#matched_ 18747 CP001113 Salmonella Gammaprc conserved ACF63492 Yes 100.0

#input_seq NODE_39_length_153021_cov_61.666740_90 # 87262 # 87555 # 1 # ID=37_90;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.439
#matched_ 20993 CP000857 Salmonella Gammaprc hypothetic ACN48248 Yes 100.0

#input_seq NODE_2_length_29717_cov_52.887440_2 # 878 # 1207 # 1 # ID=2_2;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.533
#matched_ 30687 AM933172 Salmonella Gammaprc putative pl CAR32963 Yes 100.0

#input_seq NODE_19_length_134466_cov_56.610832_48 # 43898 # 44224 # 1 # ID=19_48;partial=00;start_type=GTG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.416
#matched_ 13086 CP000026 Salmonella Gammaprc putative gl AAV76906 Yes 100.0

#input_seq NODE_42_length_1073_cov_558.917969_1 # 111 # 365 # -1 # ID=39_1;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.537
#matched_ 16259 CP000243 Escherichia Gammaprc hypothetic ABE05727 Yes 100.0

#input_seq NODE_48_length_79207_cov_61.277298_26 # 26030 # 26326 # -1 # ID=45_26;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.357
#matched_ 20993 CP000857 Salmonella Gammaprc hypothetic ACN48127 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_249 # 270442 # 270669 # -1 # ID=55_249;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.456
#matched_ 27803 CP000886 Salmonella Gammaprc hypothetic ABX69050 Yes 100.0

#input_seq NODE_36_length_124741_cov_60.690357_112 # 107009 # 107254 # 1 # ID=34_112;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=5-10bp;gc_cont=0.512
#matched_ 9618 AE017220 Salmonella Gammaprc DNA dama AAX65016 Yes 100.0

#input_seq NODE_95_length_32400_cov_41.186821_23 # 15722 # 16024 # -1 # ID=78_23;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.442
#matched_ 20993 CP000858 Salmonella Gammaprc PefB ACN48798 Yes 100.0

#input_seq NODE_6_length_44653_cov_65.363983_41 # 26665 # 26958 # 1 # ID=6_41;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.476
#matched_ 30687 AM933172 Salmonella Gammaprc phage prot CAR33546 Yes 100.0

#input_seq NODE_95_length_32400_cov_41.186821_30 # 21618 # 21908 # 1 # ID=78_30;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.625
#matched_ 19467 CP001143 Salmonella Gammaprc 2021853 pl ACH73549 Yes 100.0

#input_seq NODE_8_length_79935_cov_65.400261_30 # 33499 # 33789 # -1 # ID=8_30;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.553
#matched_ 19459 CP001127 Salmonella Gammaprc conserved ACF88742 Yes 100.0

#input_seq NODE_19_length_134466_cov_56.610832_141 # 129430 # 129660 # 1 # ID=19_141;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=11-12bp;gc_cont=0.528
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH75954 Yes 100.0

#input_seq NODE_2_length_29717_cov_52.887440_11 # 8046 # 8327 # 1 # ID=2_11;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.578
#matched_ 30687 AM933172 Salmonella Gammaprc putative pr CAR32973 Yes 100.0

#input_seq NODE_52_length_32378_cov_70.096298_27 # 31300 # 31587 # -1 # ID=47_27;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.410
#matched_ 13086 CP000026 Salmonella Gammaprc putative m AAV76065 Yes 100.0

#input_seq NODE_55_length_227664_cov_64.735596_53 # 62137 # 62418 # 1 # ID=50_53;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.443
#matched_ 20993 CP000857 Salmonella Gammaprc hypothetic ACN44309 Yes 100.0

#input_seq NODE_25_length_296459_cov_58.314911_13 # 15315 # 15596 # 1 # ID=25_13;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.504
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH78035 Yes 100.0

#input_seq NODE_25_length_296459_cov_58.314911_54 # 54924 # 55127 # 1 # ID=25_54;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.500
#matched_ 13030 CP000880 Salmonella Gammaprc hypothetic ABX21343 Yes 100.0

#input_seq NODE_6_length_44653_cov_65.363983_57 # 43802 # 44065 # -1 # ID=6_57;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.436

#matched_ 30687 AM933172 Salmonella Gammaprc membrane CAR33563 Yes 100.0

#input_seq NODE_55_length_227664_cov_64.735596_24 # 26907 # 27137 # 1 # ID=50_24;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.485
#matched_ 20993 CP000857 Salmonella Gammaprc putative ou ACN44278 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_141 # 155073 # 155333 # -1 # ID=55_141;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.398
#matched_ 241 AE006468 Salmonella Gammaprc putative cy AAL21760 Yes 100.0

#input_seq NODE_68_length_9630_cov_64.098755_1 # 293 # 550 # -1 # ID=61_1;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.539
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH74281 Yes 100.0

#input_seq NODE_25_length_296459_cov_58.314911_44 # 45654 # 45863 # 1 # ID=25_44;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.514
#matched_ 9618 AE017220 Salmonella Gammaprc multiple an AAX65442 Yes 100.0

#input_seq NODE_59_length_105090_cov_61.532059_75 # 78473 # 78685 # -1 # ID=54_75;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.563
#matched_ 9618 AE017220 Salmonella Gammaprc putative cy AAX64486 Yes 100.0

#input_seq NODE_68_length_9630_cov_64.098755_5 # 3119 # 3361 # -1 # ID=61_5;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.494
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH77375 Yes 100.0

#input_seq NODE_6_length_44653_cov_65.363983_44 # 28424 # 28651 # 1 # ID=6_44;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.461
#matched_ 30687 AM933172 Salmonella Gammaprc phage prot CAR33549 Yes 100.0

#input_seq NODE_11_length_84132_cov_55.736568_32 # 39009 # 39182 # -1 # ID=11_32;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.431
#matched_ 27803 CP000886 Salmonella Gammaprc hypothetic ABX67085 Yes 100.0

#input_seq NODE_37_length_91363_cov_58.722435_13 # 16752 # 16934 # -1 # ID=35_13;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.459
#matched_ 9618 AE017220 Salmonella Gammaprc putative in AAX64850 Yes 100.0

#input_seq NODE_6_length_44653_cov_65.363983_28 # 19410 # 19634 # -1 # ID=6_28;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=5-10bp;gc_cont=0.498
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH75781 Yes 100.0

#input_seq NODE_21_length_82995_cov_59.782902_70 # 74070 # 74294 # 1 # ID=21_70;partial=00;start_type=GTG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.427
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH74130 Yes 100.0

#input_seq NODE_39_length_153021_cov_61.666740_9 # 8918 # 9115 # 1 # ID=37_9;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.505
#matched_ 13086 CP000026 Salmonella Gammaprc hypothetic AAV79611 Yes 100.0

#input_seq NODE_36_length_124741_cov_60.690357_86 # 81041 # 81265 # -1 # ID=34_86;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.493
#matched_ 18747 CP001113 Salmonella Gammaprc conserved ACF62897 Yes 100.0

#input_seq NODE_48_length_79207_cov_61.277298_51 # 51424 # 51648 # -1 # ID=45_51;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.564
#matched_ 18747 CP001113 Salmonella Gammaprc glucose-1-p ACF62613 Yes 100.0

#input_seq NODE_67_length_57630_cov_67.711472_62 # 40020 # 40241 # 1 # ID=60_62;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.532
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH78049 Yes 100.0

#input_seq NODE_32_length_80799_cov_55.918278_57 # 54366 # 54545 # 1 # ID=30_57;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.500
#matched_ 9618 AE017220 Salmonella Gammaprc conserved AAX65604 Yes 100.0

#input_seq NODE_71_length_10665_cov_58.589874_4 # 4521 # 4730 # 1 # ID=64_4;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=11-12bp;gc_cont=0.519
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH77761 Yes 100.0

#input_seq NODE_39_length_153021_cov_61.666740_69 # 66275 # 66478 # 1 # ID=37_69;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.422
#matched_ 20045 CP001120 Salmonella Gammaprc hypothetic ACF66974 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_432 # 462539 # 462733 # -1 # ID=55_432;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.349
#matched_ 18747 CP001113 Salmonella Gammaprc hypothetic ACF62403 Yes 100.0

#input_seq NODE_14_length_46548_cov_64.909531_38 # 37292 # 37456 # 1 # ID=14_38;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.418
#matched_ 13086 CP000026 Salmonella Gammaprc putative pe AAV79076 Yes 100.0

#input_seq NODE_4_length_129862_cov_68.147278_118 # 124140 # 124313 # -1 # ID=4_118;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.448
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH75720 Yes 100.0

#input_seq NODE_36_length_124741_cov_60.690357_27 # 20236 # 20409 # 1 # ID=34_27;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.443
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH76099 Yes 100.0

#input_seq NODE_13_length_108117_cov_59.245605_21 # 19930 # 20103 # 1 # ID=13_21;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.615
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH74751 Yes 100.0

#input_seq NODE_6_length_44653_cov_65.363983_4 # 2545 # 2709 # -1 # ID=6_4;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.545
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH75289 Yes 100.0

#input_seq NODE_39_length_153021_cov_61.666740_110 # 106713 # 106874 # 1 # ID=37_110;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.389
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH76102 Yes 100.0

#input_seq NODE_59_length_105090_cov_61.532059_88 # 90549 # 90707 # 1 # ID=54_88;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.478
#matched_ 20045 CP001120 Salmonella Gammaprc hypothetic ACF68014 Yes 100.0

#input_seq NODE_45_length_20957_cov_61.294270_13 # 12119 # 12268 # -1 # ID=42_13;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.447

#matched_ 19467 CP001144 Salmonella Gammaprc 2021853, c ACH74326 Yes 100.0

#input_seq NODE_55_length_227664_cov_64.735596_52 # 61695 # 61817 # 1 # ID=50_52;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.569
#matched_ 9618 AE017220 Salmonella Gammaprc hypothetic AAX64010 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_424 # 454733 # 454870 # -1 # ID=55_424;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=5-10bp;gc_cont=0.370
#matched_ 18747 CP001113 Salmonella Gammaprc conserved ACF63650 Yes 100.0

#input_seq NODE_87_length_6368_cov_60.919285_1 # 68 # 199 # -1 # ID=73_1;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.379
#matched_ 27803 CP000886 Salmonella Gammaprc hypothetic ABX66155 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_556 # 596133 # 596234 # -1 # ID=55_556;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.520
#matched_ 18747 CP001113 Salmonella Gammaprc hypothetic ACF64068 Yes 100.0

#input_seq NODE_34_length_33445_cov_62.461475_21 # 22726 # 22854 # -1 # ID=32_21;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.403
#matched_ 18747 CP001113 Salmonella Gammaprc putative cy ACF62175 Yes 100.0

#input_seq NODE_59_length_105090_cov_61.532059_26 # 28321 # 28446 # 1 # ID=54_26;partial=00;start_type=ATG;rbs_motif=AGGA/GGAG/GAGG;rbs_spacer=11-12bp;gc_cont=0.397
#matched_ 13030 CP000880 Salmonella Gammaprc hypothetic ABX22302 Yes 100.0

#input_seq NODE_18_length_50589_cov_58.241692_23 # 28584 # 28709 # 1 # ID=18_23;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.405
#matched_ 18747 CP001113 Salmonella Gammaprc hypothetic ACF61150 Yes 100.0

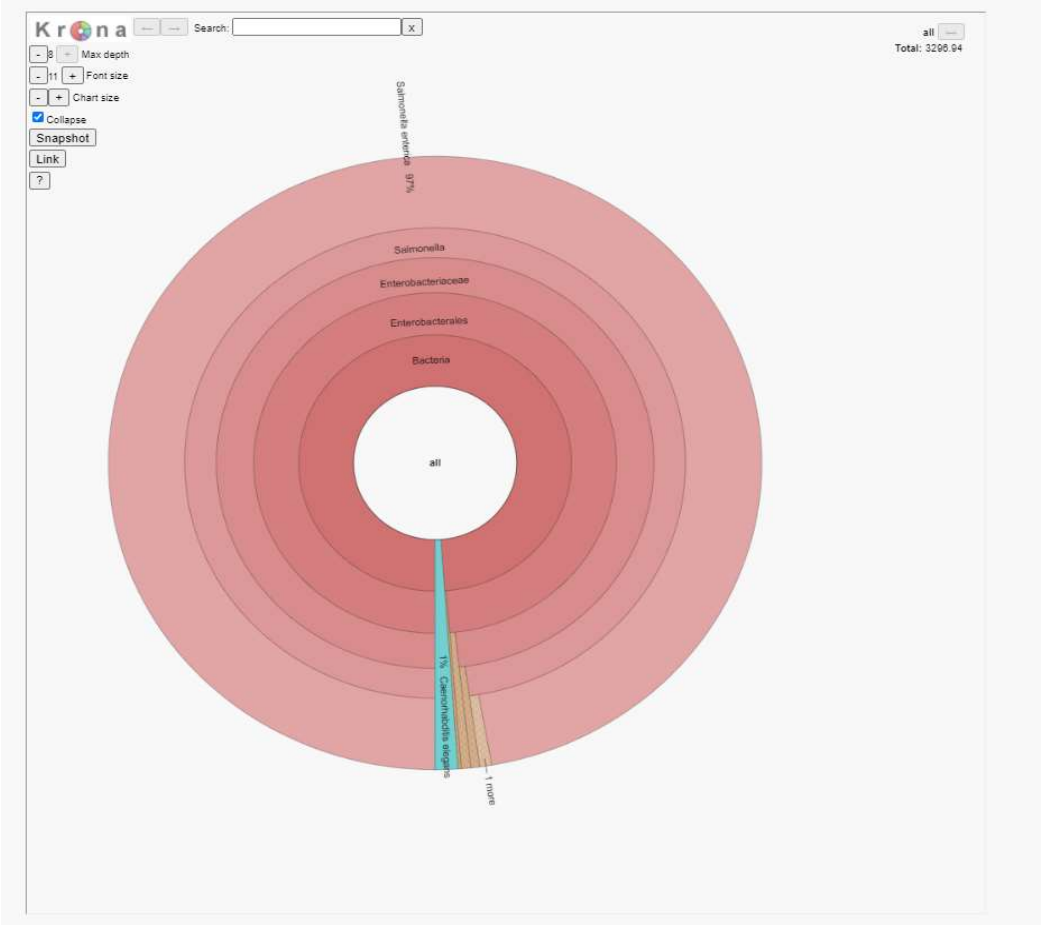
#input_seq NODE_11_length_84132_cov_55.736568_68 # 77341 # 77466 # -1 # ID=11_68;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.468
#matched_ 18747 CP001113 Salmonella Gammaprc hypothetic ACF62270 Yes 100.0

#input_seq NODE_16_length_126950_cov_59.128658_107 # 118530 # 118643 # 1 # ID=16_107;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.325
#matched_ 18747 CP001113 Salmonella Gammaprc hypothetic ACF62423 Yes 100.0

#input_seq NODE_60_length_646563_cov_65.400093_45 # 62100 # 62213 # 1 # ID=55_45;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.316
#matched_ 18747 CP001113 Salmonella Gammaprc putative in ACF64919 Yes 100.0

#input_seq NODE_7_length_144593_cov_65.290688_57 # 61266 # 61367 # 1 # ID=7_57;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.500
#matched_ 13086 CP000026 Salmonella Gammaprc hypothetic AAV78247 Yes 100.0

Sauce_CCMetagen_Krona



The classification of 1% of the reads as *C. elegans* is probably due to a misclassification (low percentage and not detected with other tools) and was not investigated further.

Sauce_Cometagen

Closest match	Score	Expected	Template	Template	Template	Query	Ide	Query	Cov	Depth	q_value	p_value	Superkingc	Kingdom	Phylum	Class	Order	Family	Genus	Species	LCA	TaxId
28901|U77919.1 Salmonella enterica 23S ribosomal RNA (rrl) gene	29410	3	2908	37.83	37.83	100.0		264.36	49.15		29400.31	1E-26	Bacteria	unk_k	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaci	Salmonella	Salmonella enterica	28901	
149539|AF458099.1 Salmonella enteritidis SipA (sipA) gene	88848	2	2058	99.71	99.71	100.0		100.29	167.37		88841.15	1E-26	Bacteria	unk_k	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaci	Salmonella	Salmonella enterica	28901	
Salmonella enterica subsp. enterica strain FBD0013 16S ribosomal RNA gene	partial sequence	partial sequence	8836		1	1546	49.03	49.03	100.0		203.96	9.44	3830.85	1E-26	Bacteria	unk_k	Proteobacteria	Gammaproteob	Enterobacter	Enterobacteriaceae	Salmonella	Salmonella 28901
Salmonella enterica subsp. enterica serovar Enteritidis str. P125109 149539|FJ797617.1 Salmonella enterica subsp. enterica serovar Enteritidis strain SE4 RNA polymerase beta-subunit (rpoB) gene	1,82E+08	110	4685848	99.4	99.4	100.0		100.6	165.05		18233870	1E-26	Bacteria	unk_k	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaci	Salmonella	Salmonella enterica	28901	
149539|HM007608.1 Salmonella enterica subsp. enterica serovar Enteritidis strain 13 23S ribosomal RNA gene	complete	complete	complete	complete	complete	complete		159434		4	4029	100.0	100.0	100.0	100.0	173.76	159420.59		1,00E-26	Bacteria	unk_k	Proteobac Gammapr Enterobac Enterobact Salmonella Salmonella 28901
605|JF965567.1 Salmonella enterica subsp. enterica serovar Pullorum strain S6702 dehydratase RfbH (rfbH) gene	28418	2	2490	41.69	41.69	100.0		239.88	54.12		28409.7	1,00E-26	Bacteria	unk_k	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaci	Salmonella	Salmonella e	28901	
562|LM996503.1 Escherichia coli genome assembly FHI65	51658	1	1314	97.26	97.26	100.0		102.82	148.84		51653.62	1,00E-26	Bacteria	unk_k	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaci	Salmonella	Salmonella e	28901	
90371|KJ096897.1 Salmonella enterica subsp. enterica serovar Typhimurium strain lpf0246 LpfD (lpfD) gene	1282	1	1558	27.73	27.86	99.54		358.99	3.53		1276.82	1,00E-26	Bacteria	unk_k	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaci	Escherichia	Escherichia c	562	
90371|KP420229.1 Salmonella enterica subsp. enterica serovar Typhimurium isolate N01.D-IQ1 16S ribosomal RNA gene	42580	1	1077	100.0	100.0	100.0		100.0	155.26		42576.41	1,00E-26	Bacteria	unk_k	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaci	Salmonella	Salmonella e	28901	
59201|LC111484.1 Salmonella enterica subsp. enterica invA gene	1430	0	800	91.25	91.5	99.73		109.29	6.88		1427.34	1,00E-26	Bacteria	unk_k	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaci	Salmonella	Salmonella e	28901	
550|KY351599.1 Enterobacter cloacae strain KA11 16S ribosomal RNA gene	invasive ar	partial seq	strain: SAI	invasive ar	partial seq	strain: SAI		invasive ar	partial seq	strain: SAI	invasive ar	partial seq	strain: SAI	invasive antigen	partial sequence		86360		2	2176	99.95	99.95 100.0 100.05 174.48 86352.75 1,00E-26 Bacteria unk_k Proteobac Gammapr Enterobac Enterobact Salmonella Salmonella 28901
149539|KY776578.1 Salmonella enterica subsp. enterica serovar Enteritidis strain FC1856_2 16S ribosomal RNA gene	982	1	1215	44.2	44.2	100.0		226.26	3.3		977.96	1,00E-26	Bacteria	unk_k	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaci	Enterobacter	Enterobacte	550	
	10498	1	1503	80.17	80.24	99.92		124.63	26.82		10492.99	1,00E-26	Bacteria	unk_k	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaci	Salmonella	Salmonella e	28901	

Meal_PathogenFinder

INPUT SEQUENCE INFO:

Input Name 1_06_07_2020_171540_551378_input.fsa.translated
Sequences 4441
Total bpp :: 1363665
Longest se 4892
Shortest se 30
Avg seq len 307.0

RESULTS:

Min Identit 99.784
Z-THRESHC 3.0
Prediction ! 686.65
Probability 0.916
Matches:: 166
Genome Co 3.74
Pathogenic 166
Non-Patho 0
The organi Yes

MATCHED SEQUENCES:

#input_seq NODE_39_length_275835_cov_54.324623_27 # 25857 # 37331 # 1 # ID=38_27;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.586
#matched_ 30687 AM933172 Salmonella Gammaprc large repet CAR34191 Yes 100.0

#input_seq NODE_46_length_126827_cov_49.231663_114 # 123688 # 126795 # -1 # ID=44_114;partial=00;start_type=GTG;rbs_motif=None;rbs_spacer=None;gc_cont=0.584
#matched_ 30687 AM933172 Salmonella Gammaprc host coloni CAR34076 Yes 99.9

#input_seq NODE_25_length_101093_cov_55.005283_1 # 69 # 5360 # 1 # ID=25_1;partial=00;start_type=GTG;rbs_motif=None;rbs_spacer=None;gc_cont=0.576
#matched_ 30687 AM933172 Salmonella Gammaprc putative su CAR34880 Yes 99.94

#input_seq NODE_15_length_182731_cov_52.903992_39 # 42041 # 45073 # 1 # ID=15_39;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.541
#matched_ 30687 AM933172 Salmonella Gammaprc putative vir CAR31804 Yes 100.0

#input_seq NODE_19_length_103164_cov_55.195076_8 # 8144 # 11140 # -1 # ID=19_8;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.549
#matched_ 30687 AM933172 Salmonella Gammaprc putative ch CAR31609 Yes 100.0

#input_seq NODE_48_length_233793_cov_56.646225_12 # 13498 # 16026 # -1 # ID=46_12;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.554
#matched_ 30687 AM933172 Salmonella Gammaprc outer mem CAR35038 Yes 100.0

#input_seq NODE_42_length_58525_cov_58.442066_27 # 23567 # 26011 # 1 # ID=41_27;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.353
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH75604 Yes 100.0

#input_seq NODE_38_length_108109_cov_51.818665_76 # 70884 # 73232 # 1 # ID=37_76;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.476
#matched_ 30687 AM933172 Salmonella Gammaprc secreted pr CAR33644 Yes 100.0

#input_seq NODE_55_length_230803_cov_51.260338_155 # 174611 # 175447 # 1 # ID=52_155;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.421
#matched_ 18747 CP001113 Salmonella complete g Gammaprc leucine-rich ACF64457 Yes 100.0

#input_seq NODE_56_length_158542_cov_49.254280_39 # 49193 # 51304 # 1 # ID=53_39;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.536
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR33713 Yes 100.0

#input_seq NODE_39_length_275835_cov_54.324623_181 # 194839 # 196266 # 1 # ID=38_181;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.556
#matched_ 13086 CP000026 Salmonella complete g Gammaprc hypothetic AAV78633 Yes 99.79

#input_seq NODE_6_length_71419_cov_51.152241_52 # 52661 # 54643 # 1 # ID=6_52;partial=00;start_type=GTG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.513
#matched_ 30687 AM933172 Salmonella Gammaprc invasin-like CAR32941 Yes 100.0

#input_seq NODE_55_length_230803_cov_51.260338_4 # 2536 # 4464 # 1 # ID=52_4;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.501
#matched_ 20063 CP001138 Salmonella complete g Gammaprc putative sig ACH50577 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_86 # 68762 # 70246 # 1 # ID=17_86;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.536
#matched_ 27803 CP000886 Salmonella complete g Gammaprc hypothetic ABX67766 Yes 100.0

#input_seq NODE_10_length_79473_cov_51.734085_9 # 8460 # 10169 # 1 # ID=10_9;partial=00;start_type=ATG;rbs_motif=GGxGG;rbs_spacer=5-10bp;gc_cont=0.494
#matched_ 30687 AM933172 Salmonella Gammaprc Chimeric pr CAR32496 Yes 100.0

#input_seq NODE_14_length_332578_cov_51.139618_165 # 177380 # 179080 # 1 # ID=14_165;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.573
#matched_ 30687 AM933172 Salmonella Gammaprc conserved CAR33157 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_66 # 51462 # 53024 # 1 # ID=17_66;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.484
#matched_ 30687 AM933172 Salmonella Gammaprc putative ph CAR33503 Yes 100.0

#input_seq NODE_7_length_36764_cov_50.921364_5 # 6955 # 8484 # 1 # ID=7_5;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.492
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH76829 Yes 100.0

#input_seq NODE_26_length_103162_cov_50.245098_9 # 8396 # 9823 # -1 # ID=26_9;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.523
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH73670 Yes 100.0

#input_seq NODE_6_length_71419_cov_51.152241_23 # 24317 # 25690 # 1 # ID=6_23;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.400
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR32912 Yes 100.0

#input_seq NODE_48_length_233793_cov_56.646225_211 # 224637 # 225899 # 1 # ID=46_211;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.474
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH74256 Yes 100.0

#input_seq NODE_39_length_275835_cov_54.324623_38 # 52434 # 53678 # 1 # ID=38_38;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.623
#matched_ 30687 AM933172 Salmonella Gammaprc ferric enter CAR34201 Yes 100.0

#input_seq NODE_10_length_79473_cov_51.734085_7 # 7224 # 7853 # 1 # ID=10_7;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.440
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH75346 Yes 100.0

#input_seq NODE_2_length_249230_cov_51.894127_256 # 237390 # 238532 # -1 # ID=2_256;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.401
#matched_ 30687 AM933172 Salmonella Gammaprc exported p CAR32575 Yes 100.0

#input_seq NODE_38_length_108109_cov_51.818665_47 # 44842 # 45636 # -1 # ID=37_47;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=5-10bp;gc_cont=0.507
#matched_ 9618 AE017220 Salmonella complete g Gammaprc Propanedic AAX65951 Yes 100.0

#input_seq NODE_39_length_275835_cov_54.324623_42 # 57894 # 58946 # -1 # ID=38_42;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.443
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH75240 Yes 100.0

#input_seq NODE_19_length_103164_cov_55.195076_35 # 39736 # 40821 # 1 # ID=19_35;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.521
#matched_ 30687 AM933172 Salmonella Gammaprc putative fir CAR35900 Yes 100.0

#input_seq NODE_39_length_275835_cov_54.324623_204 # 217185 # 218138 # 1 # ID=38_204;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.414
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH75270 Yes 100.0

#input_seq NODE_1_length_258014_cov_56.166260_4 # 2085 # 3161 # -1 # ID=1_4;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.398
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR34448 Yes 100.0

#input_seq NODE_14_length_332578_cov_51.139618_90 # 100919 # 101992 # -1 # ID=14_90;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.391
#matched_ 20045 CP001120 Salmonella complete g Gammaprc putative S-i ACF69408 Yes 100.0

#input_seq NODE_1_length_258014_cov_56.166260_115 # 115340 # 116395 # -1 # ID=1_115;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.427
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH75868 Yes 100.0

#input_seq NODE_18_length_152993_cov_57.070435_49 # 47873 # 48316 # -1 # ID=18_49;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.448
#matched_ 18747 CP001113 Salmonella complete g Gammaprc putative in ACF63523 Yes 100.0

#input_seq NODE_14_length_332578_cov_51.139618_251 # 256339 # 257361 # 1 # ID=14_251;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.554
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH76599 Yes 100.0

#input_seq NODE_58_length_38131_cov_54.726810_15 # 19108 # 20118 # 1 # ID=55_15;partial=00;start_type=ATG;rbs_motif=AGGA/GGAG/GAGG;rbs_spacer=11-12bp;gc_cont=0.338
#matched_ 241 AE006468 Salmonella complete g Gammaprc putative cy AAL22985 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_69 # 53878 # 54885 # -1 # ID=17_69;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.376
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH76035 Yes 100.0

#input_seq NODE_1_length_258014_cov_56.166260_227 # 234651 # 235505 # 1 # ID=1_227;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.532
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH76566 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_32 # 25387 # 26361 # 1 # ID=17_32;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.539
#matched_ 30687 AM933172 Salmonella Gammaprc phage prot CAR33536 Yes 100.0

#input_seq NODE_10_length_79473_cov_51.734085_11 # 11228 # 12196 # 1 # ID=10_11;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.412
#matched_ 30687 AM933172 Salmonella Gammaprc putative ty CAR32499 Yes 100.0

#input_seq NODE_14_length_332578_cov_51.139618_39 # 38398 # 39309 # -1 # ID=14_39;partial=00;start_type=ATG;rbs_motif=4Base/6BMM;rbs_spacer=13-15bp;gc_cont=0.380
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR33033 Yes 100.0

#input_seq NODE_48_length_233793_cov_56.646225_37 # 39103 # 39927 # -1 # ID=46_37;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.521
#matched_ 18747 CP001113 Salmonella complete g Gammaprc protein ba ACF62390 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_3 # 1229 # 2074 # 1 # ID=17_3;partial=00;start_type=ATG;rbs_motif=AGGA/GGAG/GAGG;rbs_spacer=11-12bp;gc_cont=0.312
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR33562 Yes 100.0

#input_seq NODE_42_length_58525_cov_58.442066_47 # 37793 # 38704 # 1 # ID=41_47;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=3-4bp;gc_cont=0.368
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR35817 Yes 100.0

#input_seq NODE_56_length_158542_cov_49.254280_83 # 97399 # 98307 # 1 # ID=53_83;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.548
#matched_ 20993 CP000857 Salmonella complete g Gammaprc putative tr ACN45676 Yes 100.0

#input_seq NODE_55_length_230803_cov_51.260338_196 # 214493 # 215389 # 1 # ID=52_196;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.421
#matched_ 30687 AM933172 Salmonella Gammaprc conserved CAR32369 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_34 # 26828 # 27709 # 1 # ID=17_34;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.529
#matched_ 30687 AM933172 Salmonella Gammaprc putative DI CAR33534 Yes 100.0

#input_seq NODE_37_length_275754_cov_57.743740_15 # 17483 # 18346 # -1 # ID=36_15;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.479
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH77983 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_36 # 28124 # 28984 # 1 # ID=17_36;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.511
#matched_ 30687 AM933172 Salmonella Gammaprc phage prot CAR33532 Yes 100.0

#input_seq NODE_48_length_233793_cov_56.646225_135 # 146849 # 147286 # -1 # ID=46_135;partial=00;start_type=ATG;rbs_motif=3Base/5BMM;rbs_spacer=13-15bp;gc_cont=0.470
#matched_ 30687 AM933172 Salmonella Gammaprc putative tr CAR35159 Yes 100.0

#input_seq NODE_37_length_275754_cov_57.743740_130 # 160698 # 161555 # -1 # ID=36_130;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.444
#matched_ 30687 AM933172 Salmonella Gammaprc hypothetic CAR35662 Yes 100.0

#input_seq NODE_6_length_71419_cov_51.152241_51 # 51828 # 52586 # 1 # ID=6_51;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.489
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH75973 Yes 100.0

#input_seq NODE_55_length_230803_cov_51.260338_7 # 6189 # 6896 # 1 # ID=52_7;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.527
#matched_ 27803 CP000886 Salmonella complete g Gammaprc hypothetic ABX68259 Yes 100.0

#input_seq NODE_48_length_233793_cov_56.646225_90 # 100281 # 101090 # -1 # ID=46_90;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.380
#matched_ 18747 CP001113 Salmonella complete g Gammaprc lipopolysac ACF61845 Yes 100.0

#input_seq NODE_56_length_158542_cov_49.254280_135 # 155330 # 155794 # -1 # ID=53_135;partial=00;start_type=GTG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.557
#matched_ 241 AE006468 Salmonella complete g Gammaprc putative ta AAL21145 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_179 # 163570 # 164250 # -1 # ID=17_179;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.398
#matched_ 18747 CP001113 Salmonella complete g Gammaprc EnvF ACF63287 Yes 100.0

#input_seq NODE_39_length_275835_cov_54.324623_160 # 174247 # 174996 # -1 # ID=38_160;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.463
#matched_ 18747 CP001113 Salmonella complete g Gammaprc invasion pr ACF62882 Yes 100.0

#input_seq NODE_15_length_182731_cov_52.903992_157 # 178360 # 178980 # 1 # ID=15_157;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=11-12bp;gc_cont=0.496
#matched_ 20045 CP001120 Salmonella complete g Gammaprc putative se ACF67367 Yes 100.0

#input_seq NODE_103_length_33975_cov_43.248653_40 # 28228 # 28953 # -1 # ID=75_40;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.455
#matched_ 241 AE006471 Salmonella complete s Gammaprc Salmonella AAL23529 Yes 100.0

#input_seq NODE_1_length_258014_cov_56.166260_7 # 6545 # 7126 # -1 # ID=1_7;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.519
#matched_ 30687 AM933172 Salmonella Gammaprc probable fi CAR34451 Yes 100.0

#input_seq NODE_46_length_126827_cov_49.231663_65 # 68199 # 68486 # -1 # ID=44_65;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.576
#matched_ 236 XXX Salmonella Gammaprc XXX Yes 100.0

#input_seq NODE_10_length_79473_cov_51.734085_15 # 13830 # 14516 # -1 # ID=10_15;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.345
#matched_ 18747 CP001113 Salmonella complete g Gammaprc gifsy-2 pro ACF61586 Yes 100.0

#input_seq NODE_30_length_19208_cov_58.626560_13 # 10442 # 10603 # 1 # ID=30_13;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.543
#matched_ 19459 CP001127 Salmonella complete g Gammaprc putative de ACF90369 Yes 100.0

#input_seq NODE_26_length_103162_cov_50.245098_75 # 80378 # 80944 # 1 # ID=26_75;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.534
#matched_ 18747 CP001113 Salmonella complete g Gammaprc putative in ACF62772 Yes 100.0

#input_seq NODE_42_length_58525_cov_58.442066_57 # 47086 # 47757 # -1 # ID=41_57;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.549
#matched_ 18747 CP001113 Salmonella complete g Gammaprc transporte ACF63700 Yes 100.0

#input_seq NODE_14_length_332578_cov_51.139618_97 # 109605 # 110276 # -1 # ID=14_97;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.466
#matched_ 19459 CP001127 Salmonella complete g Gammaprc putative re ACF91607 Yes 100.0

#input_seq NODE_48_length_233793_cov_56.646225_159 # 173372 # 173962 # -1 # ID=46_159;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.591
#matched_ 20993 CP000857 Salmonella complete g Gammaprc two-compc ACN47943 Yes 100.0

#input_seq NODE_37_length_275754_cov_57.743740_78 # 102876 # 103442 # 1 # ID=36_78;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.540
#matched_ 241 AE006468 Salmonella complete g Gammaprc formate-de AAL23102 Yes 100.0

#input_seq NODE_10_length_79473_cov_51.734085_13 # 12844 # 13470 # -1 # ID=10_13;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.526
#matched_ 18747 CP001113 Salmonella complete g Gammaprc conserved ACF64625 Yes 100.0

#input_seq NODE_10_length_79473_cov_51.734085_8 # 7837 # 8463 # 1 # ID=10_8;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.445
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH76904 Yes 100.0

#input_seq NODE_6_length_71419_cov_51.152241_69 # 68847 # 69464 # -1 # ID=6_69;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.506
#matched_ 30687 AM933172 Salmonella Gammaprc putative ph CAR32958 Yes 100.0

#input_seq NODE_56_length_158542_cov_49.254280_128 # 147343 # 147963 # -1 # ID=53_128;partial=00;start_type=GTG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.433
#matched_ 30687 AM933172 Salmonella Gammaprc putative m CAR33803 Yes 100.0

#input_seq NODE_59_length_57249_cov_59.169697_44 # 24746 # 25213 # 1 # ID=56_44;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.526
#matched_ 9618 AE017220 Salmonella complete g Gammaprc leader pep AAX67282 Yes 100.0

#input_seq NODE_1_length_258014_cov_56.166260_9 # 8524 # 9060 # -1 # ID=1_9;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.488
#matched_ 27803 CP000886 Salmonella complete g Gammaprc hypothetic ABX69108 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_67 # 53024 # 53593 # 1 # ID=17_67;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=5-10bp;gc_cont=0.453
#matched_ 19467 CP001144 Salmonella Gammaprc 2021853 complete g ACH74860 Yes 100.0

#input_seq NODE_42_length_58525_cov_58.442066_52 # 42991 # 43437 # 1 # ID=41_52;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.494
#matched_ 27803 CP000886 Salmonella complete g Gammaprc hypothetic ABX70941 Yes 100.0

#input_seq NODE_16_length_12530_cov_49.675339_12 # 9271 # 9672 # 1 # ID=16_12;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.507
#matched_ 18747 CP001113 Salmonella complete g Gammapro putative m ACF64245 Yes 100.0

#input_seq NODE_46_length_126827_cov_49.231663_51 # 54239 # 54664 # -1 # ID=44_51;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=11-12bp;gc_cont=0.533
#matched_ 27803 CP000886 Salmonella complete g Gammapro hypothetic ABX65938 Yes 100.0

#input_seq NODE_6_length_71419_cov_51.152241_54 # 55632 # 56150 # 1 # ID=6_54;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.457
#matched_ 30687 AM933172 Salmonella Gammapro putative th CAR32943 Yes 100.0

#input_seq NODE_23_length_28953_cov_48.932236_2 # 605 # 1159 # -1 # ID=23_2;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.324
#matched_ 30687 AM933172 Salmonella Gammapro putative ph CAR32964 Yes 100.0

#input_seq NODE_32_length_21097_cov_53.428875_12 # 14706 # 15257 # -1 # ID=32_12;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.560
#matched_ 371 AE014613 Salmonella complete g Gammapro citx protein AAO67797 Yes 100.0

#input_seq NODE_26_length_103162_cov_50.245098_35 # 35635 # 36129 # 1 # ID=26_35;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.529
#matched_ 18747 CP001113 Salmonella complete g Gammapro YfbU doma ACF63247 Yes 100.0

#input_seq NODE_56_length_158542_cov_49.254280_60 # 73300 # 73830 # 1 # ID=53_60;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.409
#matched_ 20045 CP001120 Salmonella complete g Gammapro conserved ACF65987 Yes 100.0

#input_seq NODE_3_length_37118_cov_57.427475_10 # 12200 # 12532 # -1 # ID=3_10;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.511
#matched_ 27803 CP000886 Salmonella complete g Gammapro hypothetic ABX69431 Yes 100.0

#input_seq NODE_103_length_33975_cov_43.248653_30 # 21958 # 22479 # 1 # ID=75_30;partial=00;start_type=ATG;rbs_motif=AGGA/GGAG/GAGG;rbs_spacer=11-12bp;gc_cont=0.600
#matched_ 19467 CP001143 Salmonella Gammapro 2021853 pl ACH73553 Yes 100.0

#input_seq NODE_50_length_26973_cov_59.727543_14 # 14270 # 14788 # -1 # ID=48_14;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.480
#matched_ 241 AE006468 Salmonella complete g Gammapro putative cy AAL19245 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_21 # 18763 # 19278 # -1 # ID=17_21;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.508
#matched_ 30687 AM933172 Salmonella Gammapro phage prot CAR33544 Yes 100.0

#input_seq NODE_1_length_258014_cov_56.166260_131 # 131766 # 132269 # -1 # ID=1_131;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.431
#matched_ 241 AE006468 Salmonella complete g Gammapro putative A1 AAL22028 Yes 100.0

#input_seq NODE_37_length_275754_cov_57.743740_72 # 95601 # 96011 # 1 # ID=36_72;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.547
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH77658 Yes 100.0

#input_seq NODE_1_length_258014_cov_56.166260_3 # 1429 # 1941 # -1 # ID=1_3;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.522
#matched_ 30687 AM933172 Salmonella Gammapro hypothetic CAR34447 Yes 100.0

#input_seq NODE_103_length_33975_cov_43.248653_33 # 24043 # 24531 # 1 # ID=75_33;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.656
#matched_ 9618 AY509003 Salmonella complete s Gammapro hypothetic AAS58885 Yes 100.0

#input_seq NODE_103_length_33975_cov_43.248653_34 # 24525 # 25010 # 1 # ID=75_34;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.687
#matched_ 20993 CP000858 Salmonella complete s Gammapro putative in ACN48783 Yes 100.0

#input_seq NODE_2_length_249230_cov_51.894127_108 # 100757 # 101230 # 1 # ID=2_108;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.435
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH75557 Yes 100.0

#input_seq NODE_37_length_275754_cov_57.743740_127 # 158070 # 158363 # 1 # ID=36_127;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.473
#matched_ 20993 CP000857 Salmonella complete g Gammapro co-chapero ACN48531 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_186 # 170777 # 171244 # 1 # ID=17_186;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.453
#matched_ 27803 CP000886 Salmonella complete g Gammapro hypothetic ABX67495 Yes 100.0

#input_seq NODE_50_length_26973_cov_59.727543_8 # 7320 # 7751 # -1 # ID=48_8;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.306
#matched_ 30687 AM933172 Salmonella Gammapro exported p CAR31864 Yes 100.0

#input_seq NODE_42_length_58525_cov_58.442066_48 # 38909 # 39370 # 1 # ID=41_48;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.489
#matched_ 30687 AM933172 Salmonella Gammapro putative ex CAR35818 Yes 100.0

#input_seq NODE_20_length_79097_cov_54.030937_44 # 59028 # 59465 # -1 # ID=20_44;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.550
#matched_ 20993 CP000857 Salmonella complete g Gammapro nickel resp ACN47734 Yes 100.0

#input_seq NODE_15_length_182731_cov_52.903992_91 # 102448 # 102810 # -1 # ID=15_91;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.512
#matched_ 20993 CP000857 Salmonella complete g Gammapro hypothetic ACN44363 Yes 100.0

#input_seq NODE_18_length_152993_cov_57.070435_38 # 38415 # 38861 # -1 # ID=18_38;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.474
#matched_ 236 XXX Salmonella Gammapro XXX Yes 100.0

#input_seq NODE_37_length_275754_cov_57.743740_232 # 265453 # 265899 # -1 # ID=36_232;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.447
#matched_ 30687 AM933172 Salmonella Gammapro putative m CAR35766 Yes 100.0

#input_seq NODE_50_length_26973_cov_59.727543_11 # 9550 # 9996 # -1 # ID=48_11;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.284
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH76767 Yes 100.0

#input_seq NODE_2_length_249230_cov_51.894127_246 # 231259 # 231699 # 1 # ID=2_246;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.347
#matched_ 30687 AM933172 Salmonella Gammapro putative ex CAR32583 Yes 100.0

#input_seq NODE_2_length_249230_cov_51.894127_32 # 31759 # 32052 # -1 # ID=2_32;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.452
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH74145 Yes 100.0

#input_seq NODE_39_length_275835_cov_54.324623_5 # 6004 # 6342 # 1 # ID=38_5;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.469
#matched_ 13030 CP000880 Salmonella z23:-- complete g Gammapro hypothetic ABX20207 Yes 100.0

#input_seq NODE_48_length_233793_cov_56.646225_23 # 25201 # 25533 # 1 # ID=46_23;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.456
#matched_ 236 XXX Salmonella Gammapro XXX Yes 100.0

#input_seq NODE_28_length_24720_cov_41.216061_9 # 8120 # 8455 # 1 # ID=28_9;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.527
#matched_ 19467 CP001143 Salmonella Gammapro 2021853 pl ACH73540 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_143 # 125645 # 126022 # 1 # ID=17_143;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.500
#matched_ 18747 CP001113 Salmonella complete g Gammapro histidine tr ACF64355 Yes 100.0

#input_seq NODE_6_length_71419_cov_51.152241_55 # 56257 # 56595 # -1 # ID=6_55;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.428
#matched_ 30687 AM933172 Salmonella Gammapro hypothetic CAR32944 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_20 # 18407 # 18766 # -1 # ID=17_20;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.447
#matched_ 30687 AM933172 Salmonella Gammapro phage prot CAR33545 Yes 100.0

#input_seq NODE_103_length_33975_cov_43.248653_37 # 26357 # 26707 # -1 # ID=75_37;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.462
#matched_ 20993 CP000858 Salmonella complete g Gammapro hypothetic ACN48780 Yes 100.0

#input_seq NODE_20_length_79097_cov_54.030937_50 # 63928 # 64263 # 1 # ID=20_50;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.512
#matched_ 18747 CP001113 Salmonella complete g Gammapro conserved ACF63492 Yes 100.0

#input_seq NODE_18_length_152993_cov_57.070435_90 # 87262 # 87555 # 1 # ID=18_90;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.439
#matched_ 20993 CP000857 Salmonella complete g Gammapro hypothetic ACN48248 Yes 100.0

#input_seq NODE_23_length_28953_cov_48.932236_1 # 114 # 443 # 1 # ID=23_1;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.533
#matched_ 30687 AM933172 Salmonella Gammapro putative ph CAR32963 Yes 100.0

#input_seq NODE_2_length_249230_cov_51.894127_183 # 173400 # 173726 # -1 # ID=2_183;partial=00;start_type=GTG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.422
#matched_ 13086 CP000026 Salmonella complete g Gammapro putative gl AAV76906 Yes 100.0

#input_seq NODE_22_length_1073_cov_514.985107_1 # 111 # 365 # -1 # ID=22_1;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.537
#matched_ 16259 CP000243 Escherichia complete g Gammapro hypothetic ABE05727 Yes 100.0

#input_seq NODE_45_length_88988_cov_55.322178_49 # 52941 # 53237 # 1 # ID=43_49;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.357
#matched_ 20993 CP000857 Salmonella complete g Gammapro hypothetic ACN48127 Yes 100.0

#input_seq NODE_39_length_275835_cov_54.324623_248 # 270379 # 270606 # -1 # ID=38_248;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.456
#matched_ 27803 CP000886 Salmonella complete g Gammapro hypothetic ABX69050 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_100 # 83467 # 83712 # -1 # ID=17_100;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=5-10bp;gc_cont=0.512
#matched_ 9618 AE017220 Salmonella complete g Gammapro DNA dama inhibits Ur AAX65016 Yes 100.0

#input_seq NODE_103_length_33975_cov_43.248653_23 # 15896 # 16198 # -1 # ID=75_23;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.442
#matched_ 20993 CP000858 Salmonella complete g Gammapro PefB ACN48798 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_18 # 17842 # 18135 # -1 # ID=17_18;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.476
#matched_ 30687 AM933172 Salmonella Gammapro phage prot CAR33546 Yes 100.0

#input_seq NODE_103_length_33975_cov_43.248653_29 # 21671 # 21961 # 1 # ID=75_29;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.625
#matched_ 19467 CP001143 Salmonella Gammapro 2021853 pl ACH73549 Yes 100.0

#input_seq NODE_48_length_233793_cov_56.646225_180 # 193577 # 193867 # 1 # ID=46_180;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.553
#matched_ 19459 CP001127 Salmonella complete g Gammapro conserved ACF88742 Yes 100.0

#input_seq NODE_2_length_249230_cov_51.894127_90 # 87964 # 88194 # -1 # ID=2_90;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=11-12bp;gc_cont=0.528
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH75954 Yes 100.0

#input_seq NODE_23_length_28953_cov_48.932236_10 # 7282 # 7563 # 1 # ID=23_10;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.578
#matched_ 30687 AM933172 Salmonella Gammapro putative pr CAR32973 Yes 100.0

#input_seq NODE_55_length_230803_cov_51.260338_123 # 139595 # 139882 # -1 # ID=52_123;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.410
#matched_ 13086 CP000026 Salmonella complete g Gammapro putative m AAV76065 Yes 100.0

#input_seq NODE_15_length_182731_cov_52.903992_145 # 165337 # 165618 # -1 # ID=15_145;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.443
#matched_ 20993 CP000857 Salmonella complete g Gammapro hypothetic ACN44309 Yes 100.0

#input_seq NODE_14_length_332578_cov_51.139618_88 # 99465 # 99746 # 1 # ID=14_88;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.504
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH78035 Yes 100.0

#input_seq NODE_14_length_332578_cov_51.139618_129 # 139074 # 139277 # 1 # ID=14_129;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.500
#matched_ 13030 CP000880 Salmonella z23:-- complete g Gammapro hypothetic ABX21343 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_2 # 735 # 998 # 1 # ID=17_2;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.439
#matched_ 30687 AM933172 Salmonella Gammapro membrane CAR33563 Yes 100.0

#input_seq NODE_13_length_23593_cov_54.021362_6 # 5770 # 6000 # 1 # ID=13_6;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.485
#matched_ 20993 CP000857 Salmonella complete g Gammapro putative ou ACN44278 Yes 100.0

#input_seq NODE_39_length_275835_cov_54.324623_141 # 155073 # 155333 # -1 # ID=38_141;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.398
#matched_ 241 AE006468 Salmonella complete g Gammapro putative cy AAL21760 Yes 100.0

#input_seq NODE_50_length_26973_cov_59.727543_10 # 9227 # 9484 # 1 # ID=48_10;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.539
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH74281 Yes 100.0

#input_seq NODE_14_length_332578_cov_51.139618_119 # 129804 # 130013 # 1 # ID=14_119;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.514
#matched_ 9618 AE017220 Salmonella complete g Gammapro multiple an AAX65442 Yes 100.0

#input_seq NODE_47_length_105039_cov_50.951962_27 # 26553 # 26765 # 1 # ID=45_27;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.568
#matched_ 9618 AE017220 Salmonella complete g Gammapro putative cy AAX64486 Yes 100.0

#input_seq NODE_50_length_26973_cov_59.727543_6 # 6416 # 6658 # 1 # ID=48_6;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.486
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH77375 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_15 # 16149 # 16376 # -1 # ID=17_15;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.461
#matched_ 30687 AM933172 Salmonella Gammapro phage prot CAR33549 Yes 100.0

#input_seq NODE_14_length_332578_cov_51.139618_44 # 45094 # 45267 # 1 # ID=14_44;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.437
#matched_ 27803 CP000886 Salmonella complete g Gammapro hypothetic ABX67085 Yes 100.0

#input_seq NODE_27_length_91289_cov_49.677750_60 # 74510 # 74692 # 1 # ID=27_60;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.459
#matched_ 9618 AE017220 Salmonella complete g Gammapro putative in AAX64850 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_31 # 25166 # 25390 # 1 # ID=17_31;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=5-10bp;gc_cont=0.502
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH75781 Yes 100.0

#input_seq NODE_4_length_82705_cov_51.087189_70 # 74070 # 74294 # 1 # ID=4_70;partial=00;start_type=GTG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.427
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH74130 Yes 100.0

#input_seq NODE_18_length_152993_cov_57.070435_9 # 8918 # 9115 # 1 # ID=18_9;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.505
#matched_ 13086 CP000026 Salmonella complete g Gammapro hypothetic AAV79611 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_126 # 109456 # 109680 # 1 # ID=17_126;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.489
#matched_ 18747 CP001113 Salmonella complete g Gammapro conserved ACF62897 Yes 100.0

#input_seq NODE_45_length_88988_cov_55.322178_24 # 27706 # 27930 # 1 # ID=43_24;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=5-10bp;gc_cont=0.560
#matched_ 18747 CP001113 Salmonella complete g Gammapro glucose-1-p ACF62613 Yes 100.0

#input_seq NODE_59_length_57249_cov_59.169697_62 # 39738 # 39959 # 1 # ID=56_62;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.532
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH78049 Yes 100.0

#input_seq NODE_6_length_71419_cov_51.152241_18 # 17023 # 17202 # -1 # ID=6_18;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.500
#matched_ 9618 AE017220 Salmonella complete g Gammapro conserved AAX65604 Yes 100.0

#input_seq NODE_42_length_58525_cov_58.442066_30 # 27880 # 28089 # 1 # ID=41_30;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=11-12bp;gc_cont=0.519
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH77761 Yes 100.0

#input_seq NODE_18_length_152993_cov_57.070435_69 # 66275 # 66478 # 1 # ID=18_69;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.422
#matched_ 20045 CP001120 Salmonella complete g Gammapro hypothetic ACF66974 Yes 100.0

#input_seq NODE_1_length_258014_cov_56.166260_145 # 143260 # 143454 # -1 # ID=1_145;partial=00;start_type=ATG;rbs_motif=AGGAG;rbs_spacer=5-10bp;gc_cont=0.349
#matched_ 18747 CP001113 Salmonella complete g Gammapro hypothetic ACF62403 Yes 100.0

#input_seq NODE_31_length_46286_cov_57.648640_38 # 37030 # 37194 # 1 # ID=31_38;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.418
#matched_ 13086 CP000026 Salmonella complete g Gammapro putative pe AAV79076 Yes 100.0

#input_seq NODE_48_length_233793_cov_56.646225_131 # 141533 # 141706 # -1 # ID=46_131;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.448
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH75720 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_185 # 170284 # 170457 # -1 # ID=17_185;partial=00;start_type=ATG;rbs_motif=GGAGG;rbs_spacer=3-4bp;gc_cont=0.437
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH76099 Yes 100.0

#input_seq NODE_38_length_108109_cov_51.818665_21 # 19930 # 20103 # 1 # ID=37_21;partial=00;start_type=ATG;rbs_motif=None;rbs_spacer=None;gc_cont=0.615
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH74751 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_55 # 42091 # 42255 # 1 # ID=17_55;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.533
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH75289 Yes 100.0

#input_seq NODE_18_length_152993_cov_57.070435_110 # 106713 # 106874 # 1 # ID=18_110;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.389
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH76102 Yes 100.0

#input_seq NODE_47_length_105039_cov_50.951962_14 # 14531 # 14689 # -1 # ID=45_14;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.484
#matched_ 20045 CP001120 Salmonella complete g Gammapro hypothetic ACF68014 Yes 100.0

#input_seq NODE_17_length_190546_cov_53.517708_68 # 53728 # 53877 # 1 # ID=17_68;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.433
#matched_ 19467 CP001144 Salmonella Gammapro 2021853 complete g ACH74326 Yes 100.0

#input_seq NODE_15_length_182731_cov_52.903992_146 # 165938 # 166060 # -1 # ID=15_146;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.577
#matched_ 9618 AE017220 Salmonella complete g Gammapro hypothetic AAX64010 Yes 100.0

#input_seq NODE_1_length_258014_cov_56.166260_137 # 135454 # 135591 # -1 # ID=1_137;partial=00;start_type=ATG;rbs_motif=AGxAGG/AGGxGG;rbs_spacer=5-10bp;gc_cont=0.370
#matched_ 18747 CP001113 Salmonella complete g Gammapro conserved ACF63650 Yes 100.0

#input_seq NODE_48_length_233793_cov_56.646225_197 # 207581 # 207712 # 1 # ID=46_197;partial=00;start_type=ATG;rbs_motif=AGGA;rbs_spacer=5-10bp;gc_cont=0.379
#matched_ 27803 CP000886 Salmonella complete g Gammapro hypothetic ABX66155 Yes 100.0

#input_seq NODE_3_length_37118_cov_57.427475_17 # 18808 # 18909 # -1 # ID=3_17;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.520
#matched_ 18747 CP001113 Salmonella complete g Gammapro hypothetic ACF64068 Yes 100.0

#input_seq NODE_37_length_275754_cov_57.743740_40 # 46693 # 46821 # 1 # ID=36_40;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.411
#matched_ 18747 CP001113 Salmonella complete g Gammapro putative cy ACF62175 Yes 100.0

#input_seq NODE_47_length_105039_cov_50.951962_77 # 76740 # 76865 # -1 # ID=45_77;partial=00;start_type=ATG;rbs_motif=AGGA/GGAG/GAGG;rbs_spacer=11-12bp;gc_cont=0.397
#matched_ 13030 CP000880 Salmonella z23:-- complete g Gammapro hypothetic ABX22302 Yes 100.0

#input_seq NODE_55_length_230803_cov_51.260338_73 # 83491 # 83616 # 1 # ID=52_73;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.405
#matched_ 18747 CP001113 Salmonella complete g Gammapro hypothetic ACF61150 Yes 100.0

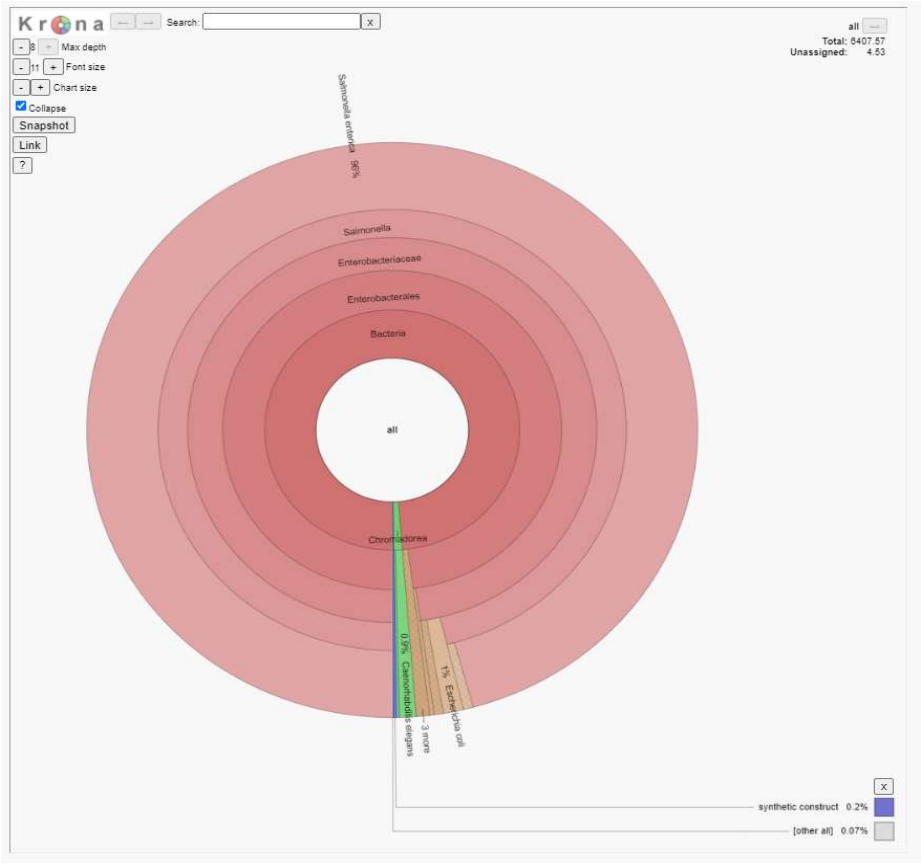
#input_seq NODE_14_length_332578_cov_51.139618_8 # 6810 # 6935 # 1 # ID=14_8;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.468
#matched_ 18747 CP001113 Salmonella complete g Gammapro hypothetic ACF62270 Yes 100.0

#input_seq NODE_46_length_126827_cov_49.231663_7 # 8447 # 8560 # -1 # ID=44_7;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.316
#matched_ 18747 CP001113 Salmonella complete g Gammapro hypothetic ACF62423 Yes 100.0

#input_seq NODE_39_length_275835_cov_54.324623_45 # 62100 # 62213 # 1 # ID=38_45;partial=00;start_type=ATG;rbs_motif=GGA/GAG/AGG;rbs_spacer=5-10bp;gc_cont=0.316
#matched_ 18747 CP001113 Salmonella complete g Gammapro putative in ACF64919 Yes 100.0

#input_seq NODE_33_length_176319_cov_55.537788_57 # 61267 # 61368 # 1 # ID=33_57;partial=00;start_type=ATG;rbs_motif=GGAG/GAGG;rbs_spacer=5-10bp;gc_cont=0.500
#matched_ 13086 CP000026 Salmonella complete g Gammapro hypothetic AAV78247 Yes 100.0

Meal_Ccmetagen_Krona



The classification of 0,9% of the reads as *C. elegans* is probably due to a misclassification (low percentage and not detected with other tools) and was not investigated further.

Meal_Ccmetagen

Closest_match	Score	Expected	Template_	Template_	Template_	Query_Ider	Query_Cov	Depth	q_value	p_value	Class	Family	Genus	Kingdom	LCA_TaxId	Order	Phylum	Species	Superkingdom
Salmonella enterica subsp. enterica serovar Gallinarum phase-1 flagellin (fliC1) gene	59750	1	1518	100.0	100.0	100.0	100.0	150.45	59744.97	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
90371|M77750.1 Salmonella typhimurium RNA polymerase alpha subunit (rpoA) gene complete cds	42918	1	1065	98.31	98.5	99.81	101.53	159.33	42914.47	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacte ria	Salmonella e	Bacteria
32630|M10213.1 E.coli alpha operon promoter region and S13 gene 5' end and E.coli DNA of unknown origin	1922	0	759	81.03	81.03	100.0	123.41	9.72	1919.48	1E-26	unk_c	unk_f	unk_g	unk_k	32630	unk_o	unk_p	synthetic construct	unk_sk
149539|L11010.1 Salmonella enteritidis fimbrial protein (sefC) gene complete cds	135576	2	2445	99.96	99.96	100.0	100.04	235.85	135567.9	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacte ria	Salmonella e	Bacteria
316407|L34010.1 Escherichia coli (clone pRPG1 pSJP1) arcA gene 5' end	602	0	762	39.63	39.63	100.0	252.32	2.42	599.48	1E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia coli	Bacteria
149539|Z83734.1 S.enteritidis insertion element IS1351 and IS200 DNA	111328	2	2601	100.0	100.0	100.0	100.0	184.54	111319.38	1,00E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
28901|U77919.1 Salmonella enterica 23S ribosomal RNA (rrl) gene complete sequence	30264	3	2908	48.59	48.62	99.93	205.66	51.51	30254.36	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
562|AF053968.1 Escherichia coli strain A 8190 rrlC operon complete sequence	3208	3	2905	43.99	43.99	100.0	227.31	5.92	3198.38	1E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
562|X02613.1 Escherichia coli ribosomal protein operon S10	3902	5	5422	40.52	40.54	99.95	246.68	2.73	3884.06	1,00E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
562|V00355.1 Part of the E. coli STR operon including the gene (str or rpsL) for ribosomal protein S12 and the beginning of the gene (rpsG) for S7	856	0	843	66.31	66.31	100.0	150.81	4.42	853.21	1,00E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
149539|U91789.1 Salmonella enteritidis insertion sequence IS1230 unknown gene	47662	1	1230	100.0	100.0	100.0	100.0	144.73	47657.92	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
98360|AY167660.1 Salmonella enterica subsp. enterica serovar Dublin 23S ribosomal RNA gene partial sequence	3806+S13A	0	419	96.42	97.37	99.02	102.7	42.76	3804.61	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
149539|AF376036.1 Salmonella enteritidis pathogenicity island 6 partial sequence	234504	6	5780	99.57	99.62	99.95	100.38	169.55	234484.86	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
149539|AF458099.1 Salmo	94042	2	2058	99.71	99.71	100.0	100.29	180.34	94035.18	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
90371|AY684794.1 Salmor	21712	0	516	97.09	97.09	100.0	102.99	172.53	21710.29	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
138733|AF296023.1 Unide	306	0	301	91.69	92.36	99.28	108.27	4.56	305.0	1E-26	unk_c	unk_f	unk_g	unk_k	138733	unk_o	unk_p	unidentified	Bacteria
59201|EF643614.1 Salmon	440054	1	1546	100.0	100.0	100.0	100.0	1148.17	440048.89	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
59201|EF643616.1 Salmon	7028	1	1546	52.39	52.39	100.0	190.86	17.58	7022.88	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
149539|EU146951.1 Salmo	52126	3	2931	88.81	88.91	99.88	112.47	79.24	52116.28	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
621|EU855230.1 Shigella b	2424	3	2904	22.69	22.73	99.85	440.0	3.7	2414.39	1E-26	Gammaprc	Enterobact	Shigella	unk_k	621	Enterobacterales	Proteobacter	Shigella boyc	Bacteria
550537|AM933172.1 Salm	1,8E+08	157	4685848	99.28	99.28	100.0	100.73	163.68	179730525	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
336306|EU010100.1 Enter	316	0	501	45.91	45.91	100.0	217.83	2.31	314.34	1E-26	Gammaprc	Enterobact	Enterobacter	unk_k	550	Enterobacterales	Proteobacter	Enterobacter	Bacteria
149539|FJ573223.1 Salmo	4558	0	266	100.0	100.0	100.0	100.0	61.36	4557.12	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
149539|FJ797617.1 Salmo	167876	4	4029	100.0	100.0	100.0	100.0	184.83	167862.65	1,00E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
562|EU892660.1 Escherich	332	0	240	86.67	86.67	100.0	115.38	5.19	331.21	1E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
1045010|AB903043.1 Esch	328	0	279	97.49	97.49	100.0	102.57	5.15	327.08	1,00E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
1045010|AB903044.1 Esch	272	0	333	74.77	74.77	100.0	133.73	3.16	270.9	1,00E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
1045010|AB903051.1 Esch	428	0	540	83.89	83.89	100.0	119.21	3.11	426.21	1,00E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
1045010|AB903055.1 Esch	280	0	354	79.1	79.1	100.0	126.43	3.33	278.83	1,00E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
562|EU894945.1 Escherich	448	0	885	40.45	40.45	100.0	247.21	2.02	445.07	1E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
562|EU900190.1 Escherich	260	0	357	52.1	52.1	100.0	191.94	2.98	258.82	1E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
562|EU900370.1 Escherich	124	0	237	78.48	78.48	100.0	127.42	1.91	123.22	1E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
194846|HM074383.1 Uncu	1570	0	507	95.27	95.27	100.0	104.97	14.75	1568.32	1E-26	Gammaprc	unk_f	unk_g	unk_k	194846	Enterobacterales	Proteobacter	uncultured E	Bacteria
149539|HM007608.1 Salm	29702	2	2490	41.69	41.69	100.0	239.88	56.97	29693.75	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
83334|HM007621.1 Esche	3848	2	2105	57.67	57.72	99.92	173.25	8.85	3841.03	1E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
77133|AB582423.1 Uncult	912	0	584	94.35	94.35	100.0	105.99	6.9	910.07	1E-26	unk_c	unk_f	unk_g	unk_k	77133	unk_o	unk_p	uncultured b	Bacteria
624|HQ591458.1 Shigella s	1454	0	712	81.74	84.83	96.36	117.88	8.98	1451.64	1E-26	Gammaprc	Enterobact	Shigella	unk_k	620	Enterobacterales	Proteobacteria		Bacteria
605|JF965566.1 Salmonell	43910	1	1125	93.24	93.33	99.9	107.14	156.29	43906.27	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
605|JF965567.1 Salmonell	55650	1	1314	97.49	97.49	100.0	102.58	162.58	55645.64	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
149539|NR_076250.1 Salm	743276	3	3056	100.0	100.0	100.0	100.0	1054.04	743265.91	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
90371|KC768817.1 Salmor	21170	0	712	94.52	95.08	99.41	105.17	125.29	21167.64	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
90371|KC768841.1 Salmor	1398	0	602	99.5	100.0	99.5	100.0	10.56	1396.01	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
149539|KF381290.1 Salmo	38688	0	876	99.66	99.66	100.0	100.34	172.01	38685.1	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
unk_taxid|3JS5_A Chain A	302	0	359	73.54	73.54	100.0	135.98	4.53	300.81	1E-26									
1393634|KC246979.1 Uncu	2404	3	3463	47.44	47.47	99.94	210.64	2.76	2392.54	1E-26	unk_c	unk_f	unk_g	unk_k	1393634	unk_o	unk_p	uncultured b	Bacteria
149539|HG425370.1 Salm	122956	3	2787	99.96	99.96	100.0	100.04	185.66	122946.77	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
224727|KF536606.1 Salmo	89714	2	2230	99.6	99.64	99.95	100.36	151.79	89706.61	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
562|LM996089.1 Escherich	1614	2	1900	23.11	23.21	99.55	430.84	3.37	1607.71	1E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
562|LM996503.1 Escherich	2316	1	1558	27.09	27.15	99.76	368.32	6.64	2310.84	1E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
6239|LK931296.1 Caenorh	7240	0	548	87.77	87.77	100.0	113.93	56.01	7238.18	1E-26	Chromador	Rhabditida	Caenorhabditis	Metazoa	6239	Rhabditida	Nematoda	Caenorhabdi	Eukaryota
40348|LM364861.1 Strong	1528	0	569	85.24	85.24	100.0	117.32	10.25	1526.11	1E-26	Chromador	Strongylida	Strongylus	Metazoa	40348	Strongylida	Nematoda	Strongylus v	Eukaryota
90371|KJ096897.1 Salmon	52070	1	1077	100.0	100.0	100.0	100.0	192.65	52066.43	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
90371|KJ099783.1 Salmon	47260	1	1074	100.0	100.0	100.0	100.0	177.55	47256.44	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
28901|HG964675.1 Salmo	81966	2	2012	100.0	100.0	100.0	100.0	162.49	81959.33	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
90371|KP420229.1 Salmor	1478	0	800	85.62	85.88	99.71	116.45	7.3	1475.35	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
77133|KT942967.1 Uncult	2204	1	1424	65.38	65.38	100.0	152.95	8.29	2199.28	1E-26	unk_c	unk_f	unk_g	unk_k	77133	unk_o	unk_p	uncultured b	Bacteria
59201|LC111484.1 Salmon	91544	2	2176	99.95	99.95	100.0	100.05	184.87	91536.79	1,00E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
255519|LC126269.1 Salmo	1888	1	1065	56.24	56.24	100.0	177.8	9.27	1884.47	1E-26	Gammaprc	Enterobact	Atlantibacter	unk_k	255519	Enterobacterales	Proteobacter	Atlantibacte	Bacteria
77133|KU608198.1 Uncult	582	0	373	80.16	80.43	99.67	124.33	6.97	580.76	1E-26	unk_c	unk_f	unk_g	unk_k	77133	unk_o	unk_p	uncultured b	Bacteria
562|LC056180.1 Escherich	862	1	1702	32.08	32.26	99.45	310.02	2.58	856.37	1E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
562|LC056198.1 Escherich	2834	2	2599	46.4	46.59	99.59	214.62	4.38	2825.39	1E-26	Gammaprc	Enterobact	Escherichia	unk_k	562	Enterobacterales	Proteobacter	Escherichia c	Bacteria
1852010|KX268491.1 Ente	1132	0	745	91.28	91.28	100.0	109.56	7.04	1129.53	1E-26	Gammaprc	Enterobact	Enterobacter	unk_k	1852010	Enterobacterales	Proteobacter	Enterobacter	Bacteria
77133|KX125327.1 Uncult	1974	2	1850	41.41	41.51	99.74	240.89	4.5	1967.87	1E-26	unk_c	unk_f	unk_g	unk_k	77133	unk_o	unk_p	uncultured b	Bacteria
77133|KX126143.1 Uncult	942	0	683	62.37	62.37	100.0	160.33	5.71	939.74	1E-26	unk_c	unk_f	unk_g	unk_k	77133	unk_o	unk_p	uncultured b	Bacteria
77133|KX126151.1 Uncult	678	1	1266	32.94	32.94	100.0	303.6	1.97	673.81	1E-26	unk_c	unk_f	unk_g	unk_k	77133	unk_o	unk_p	uncultured b	Bacteria
77133|KX126980.1 Uncult	738	1	913	68.24	68.46	99.68	146.08	4.07	734.98	1E-26	unk_c	unk_f	unk_g	unk_k	77133	unk_o	unk_p	uncultured b	Bacteria
149391|KX758435.1 Salmo	27684	0	720	97.5	97.5	100.0	102.56	146.73	27681.61	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
599|MG388337.1 Salmone	7336	0	847	91.97	92.33	99.62	108.31	33.53	7333.19	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	599	Enterobacterales	Proteobacter	Salmonella s	Bacteria
149539|KY776578.1 Salmo	13814	1	1503	59.55	59.55	100.0	167.93	33.51	13809.02	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria
149539|CP015525.1 Salmo	97736	65	59372	22.05	22.05	99.98	453.43	6.85	97539.41	1E-26	Gammaprc	Enterobact	Salmonella	unk_k	28901	Enterobacterales	Proteobacter	Salmonella e	Bacteria

Supplementary Table S4: Number of reads classified by database of complete genomes of Salmonella using Sigma on two metagenomics samples (meal and sauce)

Sample	Reference genome	Output reads (r1 or r2)	number of reads assigned to the reference genome by Sigma
metagenomics_sauce	GCF_000006945.2_ASM	GCF_000006945.2_ASM6	0
metagenomics_sauce	GCF_000006945.2_ASM	GCF_000006945.2_ASM6	0
metagenomics_sauce	GCF_000007545.1_ASM	GCF_000007545.1_ASM7	0
metagenomics_sauce	GCF_000007545.1_ASM	GCF_000007545.1_ASM7	0
metagenomics_sauce	GCF_000008105.1_ASM	GCF_000008105.1_ASM8	0
metagenomics_sauce	GCF_000008105.1_ASM	GCF_000008105.1_ASM8	0
metagenomics_sauce	GCF_000009505.1_ASM	GCF_000009505.1_ASM9	0
metagenomics_sauce	GCF_000009505.1_ASM	GCF_000009505.1_ASM9	0
metagenomics_sauce	GCF_000009525.1_ASM	GCF_000009525.1_ASM9	0
metagenomics_sauce	GCF_000009525.1_ASM	GCF_000009525.1_ASM9	0
metagenomics_sauce	GCF_000011885.1_ASM	GCF_000011885.1_ASM1	0
metagenomics_sauce	GCF_000011885.1_ASM	GCF_000011885.1_ASM1	0
metagenomics_sauce	GCF_000016045.1_ASM	GCF_000016045.1_ASM1	0
metagenomics_sauce	GCF_000016045.1_ASM	GCF_000016045.1_ASM1	0
metagenomics_sauce	GCF_000018385.1_ASM	GCF_000018385.1_ASM1	0
metagenomics_sauce	GCF_000018385.1_ASM	GCF_000018385.1_ASM1	0
metagenomics_sauce	GCF_000018625.1_ASM	GCF_000018625.1_ASM1	0
metagenomics_sauce	GCF_000018625.1_ASM	GCF_000018625.1_ASM1	0
metagenomics_sauce	GCF_000018705.1_ASM	GCF_000018705.1_ASM1	0
metagenomics_sauce	GCF_000018705.1_ASM	GCF_000018705.1_ASM1	0
metagenomics_sauce	GCF_000020705.1_ASM	GCF_000020705.1_ASM2	0
metagenomics_sauce	GCF_000020705.1_ASM	GCF_000020705.1_ASM2	0
metagenomics_sauce	GCF_000020745.1_ASM	GCF_000020745.1_ASM2	0
metagenomics_sauce	GCF_000020745.1_ASM	GCF_000020745.1_ASM2	0
metagenomics_sauce	GCF_000020885.1_ASM	GCF_000020885.1_ASM2	0
metagenomics_sauce	GCF_000020885.1_ASM	GCF_000020885.1_ASM2	0
metagenomics_sauce	GCF_000020925.1_ASM	GCF_000020925.1_ASM2	0
metagenomics_sauce	GCF_000020925.1_ASM	GCF_000020925.1_ASM2	0
metagenomics_sauce	GCF_000022165.1_ASM	GCF_000022165.1_ASM2	0
metagenomics_sauce	GCF_000022165.1_ASM	GCF_000022165.1_ASM2	0
metagenomics_sauce	GCF_000026565.1_ASM	GCF_000026565.1_ASM2	0
metagenomics_sauce	GCF_000026565.1_ASM	GCF_000026565.1_ASM2	0
metagenomics_sauce	GCF_000027025.1_ASM	GCF_000027025.1_ASM2	0
metagenomics_sauce	GCF_000027025.1_ASM	GCF_000027025.1_ASM2	0
metagenomics_sauce	GCF_000188735.1_ASM	GCF_000188735.1_ASM1	0
metagenomics_sauce	GCF_000188735.1_ASM	GCF_000188735.1_ASM1	0
metagenomics_sauce	GCF_000188955.2_ASM	GCF_000188955.2_ASM1	0
metagenomics_sauce	GCF_000188955.2_ASM	GCF_000188955.2_ASM1	0
metagenomics_sauce	GCF_000195995.1_ASM	GCF_000195995.1_ASM1	0
metagenomics_sauce	GCF_000195995.1_ASM	GCF_000195995.1_ASM1	0
metagenomics_sauce	GCF_000210855.2_ASM	GCF_000210855.2_ASM2	0
metagenomics_sauce	GCF_000210855.2_ASM	GCF_000210855.2_ASM2	0
metagenomics_sauce	GCF_000213635.1_ASM	GCF_000213635.1_ASM2	0
metagenomics_sauce	GCF_000213635.1_ASM	GCF_000213635.1_ASM2	0
metagenomics_sauce	GCF_000235545.1_ASM	GCF_000235545.1_ASM2	0
metagenomics_sauce	GCF_000235545.1_ASM	GCF_000235545.1_ASM2	0
metagenomics_sauce	GCF_000240905.2_ASM	GCF_000240905.2_ASM2	0
metagenomics_sauce	GCF_000240905.2_ASM	GCF_000240905.2_ASM2	0
metagenomics_sauce	GCF_000245535.1_ASM	GCF_000245535.1_ASM2	0
metagenomics_sauce	GCF_000245535.1_ASM	GCF_000245535.1_ASM2	0
metagenomics_sauce	GCF_000252875.1_ASM	GCF_000252875.1_ASM2	0
metagenomics_sauce	GCF_000252875.1_ASM	GCF_000252875.1_ASM2	0
metagenomics_sauce	GCF_000252995.1_ASM	GCF_000252995.1_ASM2	0
metagenomics_sauce	GCF_000252995.1_ASM	GCF_000252995.1_ASM2	0
metagenomics_sauce	GCF_000258365.1_ASM	GCF_000258365.1_ASM2	0
metagenomics_sauce	GCF_000258365.1_ASM	GCF_000258365.1_ASM2	0
metagenomics_sauce	GCF_000271885.2_ASM	GCF_000271885.2_ASM2	0
metagenomics_sauce	GCF_000271885.2_ASM	GCF_000271885.2_ASM2	0
metagenomics_sauce	GCF_000271905.2_ASM	GCF_000271905.2_ASM2	0
metagenomics_sauce	GCF_000271905.2_ASM	GCF_000271905.2_ASM2	0
metagenomics_sauce	GCF_000272715.4_ASM	GCF_000272715.4_ASM2	0
metagenomics_sauce	GCF_000272715.4_ASM	GCF_000272715.4_ASM2	0
metagenomics_sauce	GCF_000272735.4_ASM	GCF_000272735.4_ASM2	0
metagenomics_sauce	GCF_000272735.4_ASM	GCF_000272735.4_ASM2	0
metagenomics_sauce	GCF_000272755.4_ASM	GCF_000272755.4_ASM2	0
metagenomics_sauce	GCF_000272755.4_ASM	GCF_000272755.4_ASM2	0
metagenomics_sauce	GCF_000272775.4_ASM	GCF_000272775.4_ASM2	0
metagenomics_sauce	GCF_000272775.4_ASM	GCF_000272775.4_ASM2	0
metagenomics_sauce	GCF_000272815.2_ASM	GCF_000272815.2_ASM2	0

metagenomics_sauce	GCF_000272815.2_ASM	GCF_000272815.2_ASM2	0
metagenomics_sauce	GCF_000272835.4_ASM	GCF_000272835.4_ASM2	0
metagenomics_sauce	GCF_000272835.4_ASM	GCF_000272835.4_ASM2	0
metagenomics_sauce	GCF_000272895.2_ASM	GCF_000272895.2_ASM2	0
metagenomics_sauce	GCF_000272895.2_ASM	GCF_000272895.2_ASM2	0
metagenomics_sauce	GCF_000280315.2_ASM	GCF_000280315.2_ASM2	0
metagenomics_sauce	GCF_000280315.2_ASM	GCF_000280315.2_ASM2	0
metagenomics_sauce	GCF_000283735.1_ASM	GCF_000283735.1_ASM2	0
metagenomics_sauce	GCF_000283735.1_ASM	GCF_000283735.1_ASM2	0
metagenomics_sauce	GCF_000329365.2_ASM	GCF_000329365.2_ASM3	0
metagenomics_sauce	GCF_000329365.2_ASM	GCF_000329365.2_ASM3	0
metagenomics_sauce	GCF_000330485.2_ASM	GCF_000330485.2_ASM3	0
metagenomics_sauce	GCF_000330485.2_ASM	GCF_000330485.2_ASM3	0
metagenomics_sauce	GCF_000335875.2_ASM	GCF_000335875.2_ASM3	206
metagenomics_sauce	GCF_000335875.2_ASM	GCF_000335875.2_ASM3	206
metagenomics_sauce	GCF_000335995.2_ASM	GCF_000335995.2_ASM3	0
metagenomics_sauce	GCF_000335995.2_ASM	GCF_000335995.2_ASM3	0
metagenomics_sauce	GCF_000341425.1_ASM	GCF_000341425.1_ASM3	0
metagenomics_sauce	GCF_000341425.1_ASM	GCF_000341425.1_ASM3	0
metagenomics_sauce	GCF_000380325.1_ASM	GCF_000380325.1_ASM3	0
metagenomics_sauce	GCF_000380325.1_ASM	GCF_000380325.1_ASM3	0
metagenomics_sauce	GCF_000385905.1_ASM	GCF_000385905.1_ASM3	0
metagenomics_sauce	GCF_000385905.1_ASM	GCF_000385905.1_ASM3	0
metagenomics_sauce	GCF_000430085.2_ASM	GCF_000430085.2_ASM4	0
metagenomics_sauce	GCF_000430085.2_ASM	GCF_000430085.2_ASM4	0
metagenomics_sauce	GCF_000430105.1_ASM	GCF_000430105.1_ASM4	0
metagenomics_sauce	GCF_000430105.1_ASM	GCF_000430105.1_ASM4	0
metagenomics_sauce	GCF_000430125.1_ASM	GCF_000430125.1_ASM4	0
metagenomics_sauce	GCF_000430125.1_ASM	GCF_000430125.1_ASM4	0
metagenomics_sauce	GCF_000430145.2_ASM	GCF_000430145.2_ASM4	0
metagenomics_sauce	GCF_000430145.2_ASM	GCF_000430145.2_ASM4	0
metagenomics_sauce	GCF_000430165.1_ASM	GCF_000430165.1_ASM4	0
metagenomics_sauce	GCF_000430165.1_ASM	GCF_000430165.1_ASM4	0
metagenomics_sauce	GCF_000439255.1_ASM	GCF_000439255.1_ASM4	0
metagenomics_sauce	GCF_000439255.1_ASM	GCF_000439255.1_ASM4	0
metagenomics_sauce	GCF_000439415.1_ASM	GCF_000439415.1_ASM4	0
metagenomics_sauce	GCF_000439415.1_ASM	GCF_000439415.1_ASM4	0
metagenomics_sauce	GCF_000442415.1_ASM	GCF_000442415.1_ASM4	0
metagenomics_sauce	GCF_000442415.1_ASM	GCF_000442415.1_ASM4	0
metagenomics_sauce	GCF_000444445.1_ASM	GCF_000444445.1_ASM4	0
metagenomics_sauce	GCF_000444445.1_ASM	GCF_000444445.1_ASM4	0
metagenomics_sauce	GCF_000462995.1_ASM	GCF_000462995.1_ASM4	0
metagenomics_sauce	GCF_000462995.1_ASM	GCF_000462995.1_ASM4	0
metagenomics_sauce	GCF_000473275.1_ASM	GCF_000473275.1_ASM4	0
metagenomics_sauce	GCF_000473275.1_ASM	GCF_000473275.1_ASM4	0
metagenomics_sauce	GCF_000483715.2_ASM	GCF_000483715.2_ASM4	0
metagenomics_sauce	GCF_000483715.2_ASM	GCF_000483715.2_ASM4	0
metagenomics_sauce	GCF_000484195.3_ASM	GCF_000484195.3_ASM4	0
metagenomics_sauce	GCF_000484195.3_ASM	GCF_000484195.3_ASM4	0
metagenomics_sauce	GCF_000486045.2_ASM	GCF_000486045.2_ASM4	0
metagenomics_sauce	GCF_000486045.2_ASM	GCF_000486045.2_ASM4	0
metagenomics_sauce	GCF_000486165.2_ASM	GCF_000486165.2_ASM4	0
metagenomics_sauce	GCF_000486165.2_ASM	GCF_000486165.2_ASM4	0
metagenomics_sauce	GCF_000486345.2_ASM	GCF_000486345.2_ASM4	0
metagenomics_sauce	GCF_000486345.2_ASM	GCF_000486345.2_ASM4	0
metagenomics_sauce	GCF_000486365.2_ASM	GCF_000486365.2_ASM4	0
metagenomics_sauce	GCF_000486365.2_ASM	GCF_000486365.2_ASM4	0
metagenomics_sauce	GCF_000486405.2_ASM	GCF_000486405.2_ASM4	0
metagenomics_sauce	GCF_000486405.2_ASM	GCF_000486405.2_ASM4	0
metagenomics_sauce	GCF_000486445.2_ASM	GCF_000486445.2_ASM4	0
metagenomics_sauce	GCF_000486445.2_ASM	GCF_000486445.2_ASM4	0
metagenomics_sauce	GCF_000486585.2_ASM	GCF_000486585.2_ASM4	0
metagenomics_sauce	GCF_000486585.2_ASM	GCF_000486585.2_ASM4	0
metagenomics_sauce	GCF_000486725.2_ASM	GCF_000486725.2_ASM4	0
metagenomics_sauce	GCF_000486725.2_ASM	GCF_000486725.2_ASM4	0
metagenomics_sauce	GCF_000486765.2_ASM	GCF_000486765.2_ASM4	0
metagenomics_sauce	GCF_000486765.2_ASM	GCF_000486765.2_ASM4	0
metagenomics_sauce	GCF_000486815.2_ASM	GCF_000486815.2_ASM4	0
metagenomics_sauce	GCF_000486815.2_ASM	GCF_000486815.2_ASM4	0
metagenomics_sauce	GCF_000486855.2_ASM	GCF_000486855.2_ASM4	0
metagenomics_sauce	GCF_000486855.2_ASM	GCF_000486855.2_ASM4	0

metagenomics_sauce	GCF_000486915.2_ASM	GCF_000486915.2_ASM4	0
metagenomics_sauce	GCF_000486915.2_ASM	GCF_000486915.2_ASM4	0
metagenomics_sauce	GCF_000487015.2_ASM	GCF_000487015.2_ASM4	0
metagenomics_sauce	GCF_000487015.2_ASM	GCF_000487015.2_ASM4	0
metagenomics_sauce	GCF_000487035.2_ASM	GCF_000487035.2_ASM4	0
metagenomics_sauce	GCF_000487035.2_ASM	GCF_000487035.2_ASM4	0
metagenomics_sauce	GCF_000487155.2_ASM	GCF_000487155.2_ASM4	0
metagenomics_sauce	GCF_000487155.2_ASM	GCF_000487155.2_ASM4	0
metagenomics_sauce	GCF_000487255.2_ASM	GCF_000487255.2_ASM4	0
metagenomics_sauce	GCF_000487255.2_ASM	GCF_000487255.2_ASM4	0
metagenomics_sauce	GCF_000487295.3_ASM	GCF_000487295.3_ASM4	0
metagenomics_sauce	GCF_000487295.3_ASM	GCF_000487295.3_ASM4	0
metagenomics_sauce	GCF_000487515.2_ASM	GCF_000487515.2_ASM4	0
metagenomics_sauce	GCF_000487515.2_ASM	GCF_000487515.2_ASM4	0
metagenomics_sauce	GCF_000487575.2_ASM	GCF_000487575.2_ASM4	0
metagenomics_sauce	GCF_000487575.2_ASM	GCF_000487575.2_ASM4	0
metagenomics_sauce	GCF_000487615.2_ASM	GCF_000487615.2_ASM4	0
metagenomics_sauce	GCF_000487615.2_ASM	GCF_000487615.2_ASM4	0
metagenomics_sauce	GCF_000487775.1_ASM	GCF_000487775.1_ASM4	0
metagenomics_sauce	GCF_000487775.1_ASM	GCF_000487775.1_ASM4	0
metagenomics_sauce	GCF_000487915.2_ASM	GCF_000487915.2_ASM4	0
metagenomics_sauce	GCF_000487915.2_ASM	GCF_000487915.2_ASM4	0
metagenomics_sauce	GCF_000487935.2_ASM	GCF_000487935.2_ASM4	0
metagenomics_sauce	GCF_000487935.2_ASM	GCF_000487935.2_ASM4	0
metagenomics_sauce	GCF_000493295.2_ASM	GCF_000493295.2_ASM4	0
metagenomics_sauce	GCF_000493295.2_ASM	GCF_000493295.2_ASM4	0
metagenomics_sauce	GCF_000493535.2_DT2_	GCF_000493535.2_DT2_	0
metagenomics_sauce	GCF_000493535.2_DT2_	GCF_000493535.2_DT2_	0
metagenomics_sauce	GCF_000493675.1_DT1(	GCF_000493675.1_DT10	0
metagenomics_sauce	GCF_000493675.1_DT1(	GCF_000493675.1_DT10	0
metagenomics_sauce	GCF_000494385.3_ASM	GCF_000494385.3_ASM4	0
metagenomics_sauce	GCF_000494385.3_ASM	GCF_000494385.3_ASM4	0
metagenomics_sauce	GCF_000503845.1_ASM	GCF_000503845.1_ASM5	0
metagenomics_sauce	GCF_000503845.1_ASM	GCF_000503845.1_ASM5	0
metagenomics_sauce	GCF_000505365.2_ASM	GCF_000505365.2_ASM5	0
metagenomics_sauce	GCF_000505365.2_ASM	GCF_000505365.2_ASM5	0
metagenomics_sauce	GCF_000505705.1_ASM	GCF_000505705.1_ASM5	0
metagenomics_sauce	GCF_000505705.1_ASM	GCF_000505705.1_ASM5	0
metagenomics_sauce	GCF_000612325.1_ASM	GCF_000612325.1_ASM6	3
metagenomics_sauce	GCF_000612325.1_ASM	GCF_000612325.1_ASM6	3
metagenomics_sauce	GCF_000623055.1_ASM	GCF_000623055.1_ASM6	0
metagenomics_sauce	GCF_000623055.1_ASM	GCF_000623055.1_ASM6	0
metagenomics_sauce	GCF_000623095.1_ASM	GCF_000623095.1_ASM6	0
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metagenomics_sauce	GCF_000623115.2_ASM	GCF_000623115.2_ASM6	0
metagenomics_sauce	GCF_000623115.2_ASM	GCF_000623115.2_ASM6	0
metagenomics_sauce	GCF_000623135.1_ASM	GCF_000623135.1_ASM6	0
metagenomics_sauce	GCF_000623135.1_ASM	GCF_000623135.1_ASM6	0
metagenomics_sauce	GCF_000623195.2_ASM	GCF_000623195.2_ASM6	0
metagenomics_sauce	GCF_000623195.2_ASM	GCF_000623195.2_ASM6	0
metagenomics_sauce	GCF_000623275.1_ASM	GCF_000623275.1_ASM6	0
metagenomics_sauce	GCF_000623275.1_ASM	GCF_000623275.1_ASM6	0
metagenomics_sauce	GCF_000623295.1_ASM	GCF_000623295.1_ASM6	0
metagenomics_sauce	GCF_000623295.1_ASM	GCF_000623295.1_ASM6	0
metagenomics_sauce	GCF_000623315.1_ASM	GCF_000623315.1_ASM6	0
metagenomics_sauce	GCF_000623315.1_ASM	GCF_000623315.1_ASM6	0
metagenomics_sauce	GCF_000623335.1_ASM	GCF_000623335.1_ASM6	0
metagenomics_sauce	GCF_000623335.1_ASM	GCF_000623335.1_ASM6	0
metagenomics_sauce	GCF_000623355.1_ASM	GCF_000623355.1_ASM6	0
metagenomics_sauce	GCF_000623355.1_ASM	GCF_000623355.1_ASM6	0
metagenomics_sauce	GCF_000623375.1_ASM	GCF_000623375.1_ASM6	0
metagenomics_sauce	GCF_000623375.1_ASM	GCF_000623375.1_ASM6	0
metagenomics_sauce	GCF_000623395.2_ASM	GCF_000623395.2_ASM6	0
metagenomics_sauce	GCF_000623395.2_ASM	GCF_000623395.2_ASM6	0
metagenomics_sauce	GCF_000623455.2_ASM	GCF_000623455.2_ASM6	0
metagenomics_sauce	GCF_000623455.2_ASM	GCF_000623455.2_ASM6	0
metagenomics_sauce	GCF_000623475.1_ASM	GCF_000623475.1_ASM6	0
metagenomics_sauce	GCF_000623475.1_ASM	GCF_000623475.1_ASM6	0
metagenomics_sauce	GCF_000623615.2_ASM	GCF_000623615.2_ASM6	0
metagenomics_sauce	GCF_000623615.2_ASM	GCF_000623615.2_ASM6	0
metagenomics_sauce	GCF_000623655.2_ASM	GCF_000623655.2_ASM6	0

metagenomics_sauce	GCF_000623655.2_ASM	GCF_000623655.2_ASM6	0
metagenomics_sauce	GCF_000623675.2_ASM	GCF_000623675.2_ASM6	0
metagenomics_sauce	GCF_000623675.2_ASM	GCF_000623675.2_ASM6	0
metagenomics_sauce	GCF_000623715.2_ASM	GCF_000623715.2_ASM6	0
metagenomics_sauce	GCF_000623715.2_ASM	GCF_000623715.2_ASM6	0
metagenomics_sauce	GCF_000623735.2_ASM	GCF_000623735.2_ASM6	0
metagenomics_sauce	GCF_000623735.2_ASM	GCF_000623735.2_ASM6	0
metagenomics_sauce	GCF_000624055.2_ASM	GCF_000624055.2_ASM6	0
metagenomics_sauce	GCF_000624055.2_ASM	GCF_000624055.2_ASM6	0
metagenomics_sauce	GCF_000624175.1_ASM	GCF_000624175.1_ASM6	0
metagenomics_sauce	GCF_000624175.1_ASM	GCF_000624175.1_ASM6	0
metagenomics_sauce	GCF_000624395.2_ASM	GCF_000624395.2_ASM6	0
metagenomics_sauce	GCF_000624395.2_ASM	GCF_000624395.2_ASM6	0
metagenomics_sauce	GCF_000625855.1_ASM	GCF_000625855.1_ASM6	0
metagenomics_sauce	GCF_000625855.1_ASM	GCF_000625855.1_ASM6	0
metagenomics_sauce	GCF_000626095.2_ASM	GCF_000626095.2_ASM6	0
metagenomics_sauce	GCF_000626095.2_ASM	GCF_000626095.2_ASM6	0
metagenomics_sauce	GCF_000626175.1_ASM	GCF_000626175.1_ASM6	0
metagenomics_sauce	GCF_000626175.1_ASM	GCF_000626175.1_ASM6	0
metagenomics_sauce	GCF_000626195.1_ASM	GCF_000626195.1_ASM6	0
metagenomics_sauce	GCF_000626195.1_ASM	GCF_000626195.1_ASM6	0
metagenomics_sauce	GCF_000626215.1_ASM	GCF_000626215.1_ASM6	0
metagenomics_sauce	GCF_000626215.1_ASM	GCF_000626215.1_ASM6	0
metagenomics_sauce	GCF_000626235.1_ASM	GCF_000626235.1_ASM6	0
metagenomics_sauce	GCF_000626235.1_ASM	GCF_000626235.1_ASM6	0
metagenomics_sauce	GCF_000626255.1_ASM	GCF_000626255.1_ASM6	5
metagenomics_sauce	GCF_000626255.1_ASM	GCF_000626255.1_ASM6	5
metagenomics_sauce	GCF_000626275.2_ASM	GCF_000626275.2_ASM6	0
metagenomics_sauce	GCF_000626275.2_ASM	GCF_000626275.2_ASM6	0
metagenomics_sauce	GCF_000626295.1_ASM	GCF_000626295.1_ASM6	0
metagenomics_sauce	GCF_000626295.1_ASM	GCF_000626295.1_ASM6	0
metagenomics_sauce	GCF_000626335.1_ASM	GCF_000626335.1_ASM6	0
metagenomics_sauce	GCF_000626335.1_ASM	GCF_000626335.1_ASM6	0
metagenomics_sauce	GCF_000626355.1_ASM	GCF_000626355.1_ASM6	0
metagenomics_sauce	GCF_000626355.1_ASM	GCF_000626355.1_ASM6	0
metagenomics_sauce	GCF_000626375.1_ASM	GCF_000626375.1_ASM6	0
metagenomics_sauce	GCF_000626375.1_ASM	GCF_000626375.1_ASM6	0
metagenomics_sauce	GCF_000626695.2_ASM	GCF_000626695.2_ASM6	0
metagenomics_sauce	GCF_000626695.2_ASM	GCF_000626695.2_ASM6	0
metagenomics_sauce	GCF_000636135.1_ASM	GCF_000636135.1_ASM6	0
metagenomics_sauce	GCF_000636135.1_ASM	GCF_000636135.1_ASM6	0
metagenomics_sauce	GCF_000698515.2_ASM	GCF_000698515.2_ASM6	0
metagenomics_sauce	GCF_000698515.2_ASM	GCF_000698515.2_ASM6	0
metagenomics_sauce	GCF_000698715.2_ASM	GCF_000698715.2_ASM6	0
metagenomics_sauce	GCF_000698715.2_ASM	GCF_000698715.2_ASM6	0
metagenomics_sauce	GCF_000709535.1_ASM	GCF_000709535.1_ASM7	0
metagenomics_sauce	GCF_000709535.1_ASM	GCF_000709535.1_ASM7	0
metagenomics_sauce	GCF_000715155.1_ASM	GCF_000715155.1_ASM7	0
metagenomics_sauce	GCF_000715155.1_ASM	GCF_000715155.1_ASM7	0
metagenomics_sauce	GCF_000742815.1_ASM	GCF_000742815.1_ASM7	0
metagenomics_sauce	GCF_000742815.1_ASM	GCF_000742815.1_ASM7	0
metagenomics_sauce	GCF_000743055.1_ASM	GCF_000743055.1_ASM7	0
metagenomics_sauce	GCF_000743055.1_ASM	GCF_000743055.1_ASM7	0
metagenomics_sauce	GCF_000748245.2_ASM	GCF_000748245.2_ASM7	0
metagenomics_sauce	GCF_000748245.2_ASM	GCF_000748245.2_ASM7	0
metagenomics_sauce	GCF_000748565.2_ASM	GCF_000748565.2_ASM7	0
metagenomics_sauce	GCF_000748565.2_ASM	GCF_000748565.2_ASM7	0
metagenomics_sauce	GCF_000750215.1_ASM	GCF_000750215.1_ASM7	12
metagenomics_sauce	GCF_000750215.1_ASM	GCF_000750215.1_ASM7	12
metagenomics_sauce	GCF_000750255.1_ASM	GCF_000750255.1_ASM7	0
metagenomics_sauce	GCF_000750255.1_ASM	GCF_000750255.1_ASM7	0
metagenomics_sauce	GCF_000750295.1_ASM	GCF_000750295.1_ASM7	17
metagenomics_sauce	GCF_000750295.1_ASM	GCF_000750295.1_ASM7	17
metagenomics_sauce	GCF_000750335.1_ASM	GCF_000750335.1_ASM7	0
metagenomics_sauce	GCF_000750335.1_ASM	GCF_000750335.1_ASM7	0
metagenomics_sauce	GCF_000750375.1_ASM	GCF_000750375.1_ASM7	4
metagenomics_sauce	GCF_000750375.1_ASM	GCF_000750375.1_ASM7	4
metagenomics_sauce	GCF_000750395.2_ASM	GCF_000750395.2_ASM7	0
metagenomics_sauce	GCF_000750395.2_ASM	GCF_000750395.2_ASM7	0
metagenomics_sauce	GCF_000750415.2_ASM	GCF_000750415.2_ASM7	0
metagenomics_sauce	GCF_000750415.2_ASM	GCF_000750415.2_ASM7	0

metagenomics_sauce	GCF_000750435.1_ASM	GCF_000750435.1_ASM7	0
metagenomics_sauce	GCF_000750435.1_ASM	GCF_000750435.1_ASM7	0
metagenomics_sauce	GCF_000750455.1_ASM	GCF_000750455.1_ASM7	0
metagenomics_sauce	GCF_000750455.1_ASM	GCF_000750455.1_ASM7	0
metagenomics_sauce	GCF_000750475.1_ASM	GCF_000750475.1_ASM7	0
metagenomics_sauce	GCF_000750475.1_ASM	GCF_000750475.1_ASM7	0
metagenomics_sauce	GCF_000750495.1_ASM	GCF_000750495.1_ASM7	437
metagenomics_sauce	GCF_000750495.1_ASM	GCF_000750495.1_ASM7	437
metagenomics_sauce	GCF_000754375.1_ASM	GCF_000754375.1_ASM7	10
metagenomics_sauce	GCF_000754375.1_ASM	GCF_000754375.1_ASM7	10
metagenomics_sauce	GCF_000756465.1_ASM	GCF_000756465.1_ASM7	0
metagenomics_sauce	GCF_000756465.1_ASM	GCF_000756465.1_ASM7	0
metagenomics_sauce	GCF_000783815.2_ASM	GCF_000783815.2_ASM7	0
metagenomics_sauce	GCF_000783815.2_ASM	GCF_000783815.2_ASM7	0
metagenomics_sauce	GCF_000818075.1_ASM	GCF_000818075.1_ASM8	0
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metagenomics_sauce	GCF_000818115.1_ASM	GCF_000818115.1_ASM8	0
metagenomics_sauce	GCF_000818115.1_ASM	GCF_000818115.1_ASM8	0
metagenomics_sauce	GCF_000828595.1_ASM	GCF_000828595.1_ASM8	0
metagenomics_sauce	GCF_000828595.1_ASM	GCF_000828595.1_ASM8	0
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metagenomics_sauce	GCF_000940895.2_ASM	GCF_000940895.2_ASM9	0
metagenomics_sauce	GCF_000940935.2_ASM	GCF_000940935.2_ASM9	0
metagenomics_sauce	GCF_000940935.2_ASM	GCF_000940935.2_ASM9	0
metagenomics_sauce	GCF_000940975.1_ASM	GCF_000940975.1_ASM9	0
metagenomics_sauce	GCF_000940975.1_ASM	GCF_000940975.1_ASM9	0
metagenomics_sauce	GCF_000941015.2_ASM	GCF_000941015.2_ASM9	0
metagenomics_sauce	GCF_000941015.2_ASM	GCF_000941015.2_ASM9	0
metagenomics_sauce	GCF_000953495.1_SINF	GCF_000953495.1_SINFA	0
metagenomics_sauce	GCF_000953495.1_SINF	GCF_000953495.1_SINFA	0
metagenomics_sauce	GCF_000963535.2_ASM	GCF_000963535.2_ASM9	0
metagenomics_sauce	GCF_000963535.2_ASM	GCF_000963535.2_ASM9	0
metagenomics_sauce	GCF_000973645.1_ASM	GCF_000973645.1_ASM9	0
metagenomics_sauce	GCF_000973645.1_ASM	GCF_000973645.1_ASM9	0
metagenomics_sauce	GCF_000973665.2_ASM	GCF_000973665.2_ASM9	0
metagenomics_sauce	GCF_000973665.2_ASM	GCF_000973665.2_ASM9	0
metagenomics_sauce	GCF_000973685.2_ASM	GCF_000973685.2_ASM9	0
metagenomics_sauce	GCF_000973685.2_ASM	GCF_000973685.2_ASM9	0
metagenomics_sauce	GCF_000988525.3_ASM	GCF_000988525.3_ASM9	0
metagenomics_sauce	GCF_000988525.3_ASM	GCF_000988525.3_ASM9	0
metagenomics_sauce	GCF_000993725.1_ASM	GCF_000993725.1_ASM9	0
metagenomics_sauce	GCF_000993725.1_ASM	GCF_000993725.1_ASM9	0
metagenomics_sauce	GCF_001006525.1_ASM	GCF_001006525.1_ASM1	0
metagenomics_sauce	GCF_001006525.1_ASM	GCF_001006525.1_ASM1	0
metagenomics_sauce	GCF_001048035.2_ERL1	GCF_001048035.2_ERL10	0
metagenomics_sauce	GCF_001048035.2_ERL1	GCF_001048035.2_ERL10	0
metagenomics_sauce	GCF_001048375.2_M22	GCF_001048375.2_M223	0
metagenomics_sauce	GCF_001048375.2_M22	GCF_001048375.2_M223	0
metagenomics_sauce	GCF_001079465.2_STyp	GCF_001079465.2_STyph	0
metagenomics_sauce	GCF_001079465.2_STyp	GCF_001079465.2_STyph	0
metagenomics_sauce	GCF_001088345.2_052(	GCF_001088345.2_05204	0
metagenomics_sauce	GCF_001088345.2_052(	GCF_001088345.2_05204	0
metagenomics_sauce	GCF_001095585.2_ERL1	GCF_001095585.2_ERL11	0
metagenomics_sauce	GCF_001095585.2_ERL1	GCF_001095585.2_ERL11	0
metagenomics_sauce	GCF_001104165.2_E00-	GCF_001104165.2_E00-7	0
metagenomics_sauce	GCF_001104165.2_E00-	GCF_001104165.2_E00-7	0
metagenomics_sauce	GCF_001104885.2_1034	GCF_001104885.2_10349	0
metagenomics_sauce	GCF_001104885.2_1034	GCF_001104885.2_10349	0
metagenomics_sauce	GCF_001106745.2_UI_2	GCF_001106745.2_UI_21	0
metagenomics_sauce	GCF_001106745.2_UI_2	GCF_001106745.2_UI_21	0
metagenomics_sauce	GCF_001118185.2_H12I	GCF_001118185.2_H12E9	0
metagenomics_sauce	GCF_001118185.2_H12I	GCF_001118185.2_H12E9	0
metagenomics_sauce	GCF_001119245.2_76_1	GCF_001119245.2_76_12	0
metagenomics_sauce	GCF_001119245.2_76_1	GCF_001119245.2_76_12	0
metagenomics_sauce	GCF_001121865.2_4041	GCF_001121865.2_404Ty	0
metagenomics_sauce	GCF_001121865.2_4041	GCF_001121865.2_404Ty	0
metagenomics_sauce	GCF_001127485.2_ERL(	GCF_001127485.2_ERL04	0
metagenomics_sauce	GCF_001127485.2_ERL(	GCF_001127485.2_ERL04	0
metagenomics_sauce	GCF_001135805.2_ERL(	GCF_001135805.2_ERL07	0
metagenomics_sauce	GCF_001135805.2_ERL(	GCF_001135805.2_ERL07	0
metagenomics_sauce	GCF_001148125.2_ERL(	GCF_001148125.2_ERL02	0

metagenomics_sauce	GCF_001148125.2_ERL0	GCF_001148125.2_ERL02	0
metagenomics_sauce	GCF_001148305.2_ERL0	GCF_001148305.2_ERL08	0
metagenomics_sauce	GCF_001148305.2_ERL0	GCF_001148305.2_ERL08	0
metagenomics_sauce	GCF_001157245.2_ERL1	GCF_001157245.2_ERL12	0
metagenomics_sauce	GCF_001157245.2_ERL1	GCF_001157245.2_ERL12	0
metagenomics_sauce	GCF_001163025.2_H12I	GCF_001163025.2_H12E9	0
metagenomics_sauce	GCF_001163025.2_H12I	GCF_001163025.2_H12E9	0
metagenomics_sauce	GCF_001165785.2_ERL0	GCF_001165785.2_ERL02	0
metagenomics_sauce	GCF_001165785.2_ERL0	GCF_001165785.2_ERL02	0
metagenomics_sauce	GCF_001185215.1_ASM	GCF_001185215.1_ASM1	0
metagenomics_sauce	GCF_001185215.1_ASM	GCF_001185215.1_ASM1	0
metagenomics_sauce	GCF_001185245.1_ASM	GCF_001185245.1_ASM1	79
metagenomics_sauce	GCF_001185245.1_ASM	GCF_001185245.1_ASM1	79
metagenomics_sauce	GCF_001188125.2_ASM	GCF_001188125.2_ASM1	0
metagenomics_sauce	GCF_001188125.2_ASM	GCF_001188125.2_ASM1	0
metagenomics_sauce	GCF_001240865.2_Ty3_	GCF_001240865.2_Ty3_1	0
metagenomics_sauce	GCF_001240865.2_Ty3_	GCF_001240865.2_Ty3_1	0
metagenomics_sauce	GCF_001278275.1_ASM	GCF_001278275.1_ASM1	0
metagenomics_sauce	GCF_001278275.1_ASM	GCF_001278275.1_ASM1	0
metagenomics_sauce	GCF_001278295.1_ASM	GCF_001278295.1_ASM1	0
metagenomics_sauce	GCF_001278295.1_ASM	GCF_001278295.1_ASM1	0
metagenomics_sauce	GCF_001278315.1_ASM	GCF_001278315.1_ASM1	0
metagenomics_sauce	GCF_001278315.1_ASM	GCF_001278315.1_ASM1	0
metagenomics_sauce	GCF_001293505.1_ASM	GCF_001293505.1_ASM1	0
metagenomics_sauce	GCF_001293505.1_ASM	GCF_001293505.1_ASM1	0
metagenomics_sauce	GCF_001302605.1_ASM	GCF_001302605.1_ASM1	0
metagenomics_sauce	GCF_001302605.1_ASM	GCF_001302605.1_ASM1	0
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metagenomics_sauce	GCF_001302625.1_ASM	GCF_001302625.1_ASM1	0
metagenomics_sauce	GCF_001305235.1_ASM	GCF_001305235.1_ASM1	97
metagenomics_sauce	GCF_001305235.1_ASM	GCF_001305235.1_ASM1	97
metagenomics_sauce	GCF_001305815.1_ASM	GCF_001305815.1_ASM1	0
metagenomics_sauce	GCF_001305815.1_ASM	GCF_001305815.1_ASM1	0
metagenomics_sauce	GCF_001305835.1_ASM	GCF_001305835.1_ASM1	0
metagenomics_sauce	GCF_001305835.1_ASM	GCF_001305835.1_ASM1	0
metagenomics_sauce	GCF_001356455.2_1016	GCF_001356455.2_10168	0
metagenomics_sauce	GCF_001356455.2_1016	GCF_001356455.2_10168	0
metagenomics_sauce	GCF_001357935.2_80_2	GCF_001357935.2_80_20	0
metagenomics_sauce	GCF_001357935.2_80_2	GCF_001357935.2_80_20	0
metagenomics_sauce	GCF_001359015.2_129_	GCF_001359015.2_129_0	0
metagenomics_sauce	GCF_001359015.2_129_	GCF_001359015.2_129_0	0
metagenomics_sauce	GCF_001360555.2_2010	GCF_001360555.2_2010_	0
metagenomics_sauce	GCF_001360555.2_2010	GCF_001360555.2_2010_	0
metagenomics_sauce	GCF_001361075.2_Ty58	GCF_001361075.2_Ty585	0
metagenomics_sauce	GCF_001361075.2_Ty58	GCF_001361075.2_Ty585	0
metagenomics_sauce	GCF_001362095.2_0341	GCF_001362095.2_03415	0
metagenomics_sauce	GCF_001362095.2_0341	GCF_001362095.2_03415	0
metagenomics_sauce	GCF_001362135.2_1190	GCF_001362135.2_11909	0
metagenomics_sauce	GCF_001362135.2_1190	GCF_001362135.2_11909	0
metagenomics_sauce	GCF_001362175.2_ERL1	GCF_001362175.2_ERL12	0
metagenomics_sauce	GCF_001362175.2_ERL1	GCF_001362175.2_ERL12	0
metagenomics_sauce	GCF_001362195.2_H12I	GCF_001362195.2_H12E9	0
metagenomics_sauce	GCF_001362195.2_H12I	GCF_001362195.2_H12E9	0
metagenomics_sauce	GCF_001362335.2_Ty2_	GCF_001362335.2_Ty2_g	0
metagenomics_sauce	GCF_001362335.2_Ty2_	GCF_001362335.2_Ty2_g	0
metagenomics_sauce	GCF_001364695.2_Ty3_	GCF_001364695.2_Ty3_2	0
metagenomics_sauce	GCF_001364695.2_Ty3_	GCF_001364695.2_Ty3_2	0
metagenomics_sauce	GCF_001409135.1_1025	GCF_001409135.1_10259	0
metagenomics_sauce	GCF_001409135.1_1025	GCF_001409135.1_10259	0
metagenomics_sauce	GCF_001409155.1_98_1	GCF_001409155.1_98_11	0
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metagenomics_sauce	GCF_001409195.1_C234	GCF_001409195.1_C2346	0
metagenomics_sauce	GCF_001409195.1_C234	GCF_001409195.1_C2346	0
metagenomics_sauce	GCF_001441205.1_ASM	GCF_001441205.1_ASM1	0
metagenomics_sauce	GCF_001441205.1_ASM	GCF_001441205.1_ASM1	0
metagenomics_sauce	GCF_001441225.1_ASM	GCF_001441225.1_ASM1	0
metagenomics_sauce	GCF_001441225.1_ASM	GCF_001441225.1_ASM1	0
metagenomics_sauce	GCF_001441245.1_ASM	GCF_001441245.1_ASM1	0
metagenomics_sauce	GCF_001441245.1_ASM	GCF_001441245.1_ASM1	0

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metagenomics_sauce	GCF_001447095.1_ASM	GCF_001447095.1_ASM1	0
metagenomics_sauce	GCF_001447115.1_ASM	GCF_001447115.1_ASM1	0
metagenomics_sauce	GCF_001447115.1_ASM	GCF_001447115.1_ASM1	0
metagenomics_sauce	GCF_001448485.2_ASM	GCF_001448485.2_ASM1	0
metagenomics_sauce	GCF_001448485.2_ASM	GCF_001448485.2_ASM1	0
metagenomics_sauce	GCF_001448665.2_ASM	GCF_001448665.2_ASM1	0
metagenomics_sauce	GCF_001448665.2_ASM	GCF_001448665.2_ASM1	0
metagenomics_sauce	GCF_001448705.2_ASM	GCF_001448705.2_ASM1	0
metagenomics_sauce	GCF_001448705.2_ASM	GCF_001448705.2_ASM1	0
metagenomics_sauce	GCF_001448785.2_ASM	GCF_001448785.2_ASM1	0
metagenomics_sauce	GCF_001448785.2_ASM	GCF_001448785.2_ASM1	0
metagenomics_sauce	GCF_001454965.1_ASM	GCF_001454965.1_ASM1	0
metagenomics_sauce	GCF_001454965.1_ASM	GCF_001454965.1_ASM1	0
metagenomics_sauce	GCF_001457675.1_NCT	GCF_001457675.1_NCTC	0
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metagenomics_sauce	GCF_001484025.1_ASM	GCF_001484025.1_ASM1	0
metagenomics_sauce	GCF_001484025.1_ASM	GCF_001484025.1_ASM1	0
metagenomics_sauce	GCF_001535315.2_ASM	GCF_001535315.2_ASM1	0
metagenomics_sauce	GCF_001535315.2_ASM	GCF_001535315.2_ASM1	0
metagenomics_sauce	GCF_001540845.1_SO4	GCF_001540845.1_SO46	0
metagenomics_sauce	GCF_001540845.1_SO4	GCF_001540845.1_SO46	0
metagenomics_sauce	GCF_001558355.2_ASM	GCF_001558355.2_ASM1	0
metagenomics_sauce	GCF_001558355.2_ASM	GCF_001558355.2_ASM1	0
metagenomics_sauce	GCF_001576255.1_ASM	GCF_001576255.1_ASM1	0
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metagenomics_sauce	GCF_001576275.1_ASM	GCF_001576275.1_ASM1	0
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metagenomics_sauce	GCF_001577505.1_ASM	GCF_001577505.1_ASM1	0
metagenomics_sauce	GCF_001577505.1_ASM	GCF_001577505.1_ASM1	0
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metagenomics_sauce	GCF_001620205.2_ASM	GCF_001620205.2_ASM1	0
metagenomics_sauce	GCF_001620205.2_ASM	GCF_001620205.2_ASM1	0
metagenomics_sauce	GCF_001620225.1_ASM	GCF_001620225.1_ASM1	0
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metagenomics_sauce	GCF_001623545.2_ASM	GCF_001623545.2_ASM1	0
metagenomics_sauce	GCF_001623545.2_ASM	GCF_001623545.2_ASM1	0
metagenomics_sauce	GCF_001623585.1_ASM	GCF_001623585.1_ASM1	0
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metagenomics_sauce	GCF_001623625.1_ASM	GCF_001623625.1_ASM1	0
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metagenomics_sauce	GCF_001623645.2_ASM	GCF_001623645.2_ASM1	0
metagenomics_sauce	GCF_001623665.2_ASM	GCF_001623665.2_ASM1	0
metagenomics_sauce	GCF_001623665.2_ASM	GCF_001623665.2_ASM1	0
metagenomics_sauce	GCF_001623685.1_ASM	GCF_001623685.1_ASM1	0
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metagenomics_sauce	GCF_001623745.2_ASM	GCF_001623745.2_ASM1	0
metagenomics_sauce	GCF_001623765.2_ASM	GCF_001623765.2_ASM1	0
metagenomics_sauce	GCF_001623765.2_ASM	GCF_001623765.2_ASM1	0
metagenomics_sauce	GCF_001623775.1_ASM	GCF_001623775.1_ASM1	0
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metagenomics_sauce	GCF_001623805.1_ASM	GCF_001623805.1_ASM1	0
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metagenomics_sauce	GCF_001623825.2_ASM	GCF_001623825.2_ASM1	0
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metagenomics_sauce	GCF_001623845.1_ASM	GCF_001623845.1_ASM1	0
metagenomics_sauce	GCF_001623845.1_ASM	GCF_001623845.1_ASM1	0
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metagenomics_sauce	GCF_001628755.1_ASM	GCF_001628755.1_ASM1	0
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metagenomics_sauce	GCF_001629755.1_ASM	GCF_001629755.1_ASM1	0
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metagenomics_sauce	GCF_001647045.1_ASM	GCF_001647045.1_ASM1	0
metagenomics_sauce	GCF_001647045.1_ASM	GCF_001647045.1_ASM1	0
metagenomics_sauce	GCF_001647755.1_ASM	GCF_001647755.1_ASM1	0
metagenomics_sauce	GCF_001647755.1_ASM	GCF_001647755.1_ASM1	0
metagenomics_sauce	GCF_001689935.1_ASM	GCF_001689935.1_ASM1	0
metagenomics_sauce	GCF_001689935.1_ASM	GCF_001689935.1_ASM1	0
metagenomics_sauce	GCF_001690005.1_ASM	GCF_001690005.1_ASM1	0
metagenomics_sauce	GCF_001690005.1_ASM	GCF_001690005.1_ASM1	0
metagenomics_sauce	GCF_001690055.1_ASM	GCF_001690055.1_ASM1	0
metagenomics_sauce	GCF_001690055.1_ASM	GCF_001690055.1_ASM1	0
metagenomics_sauce	GCF_001690075.1_ASM	GCF_001690075.1_ASM1	0
metagenomics_sauce	GCF_001690075.1_ASM	GCF_001690075.1_ASM1	0
metagenomics_sauce	GCF_001690095.1_ASM	GCF_001690095.1_ASM1	0
metagenomics_sauce	GCF_001690095.1_ASM	GCF_001690095.1_ASM1	0
metagenomics_sauce	GCF_001690115.1_ASM	GCF_001690115.1_ASM1	0
metagenomics_sauce	GCF_001690115.1_ASM	GCF_001690115.1_ASM1	0
metagenomics_sauce	GCF_001690135.1_ASM	GCF_001690135.1_ASM1	0
metagenomics_sauce	GCF_001690135.1_ASM	GCF_001690135.1_ASM1	0
metagenomics_sauce	GCF_001692495.1_ASM	GCF_001692495.1_ASM1	0
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metagenomics_sauce	GCF_001692515.1_ASM	GCF_001692515.1_ASM1	0
metagenomics_sauce	GCF_001692515.1_ASM	GCF_001692515.1_ASM1	0
metagenomics_sauce	GCF_001692535.1_ASM	GCF_001692535.1_ASM1	0
metagenomics_sauce	GCF_001692535.1_ASM	GCF_001692535.1_ASM1	0
metagenomics_sauce	GCF_001692555.1_ASM	GCF_001692555.1_ASM1	0
metagenomics_sauce	GCF_001692555.1_ASM	GCF_001692555.1_ASM1	0
metagenomics_sauce	GCF_001692575.1_ASM	GCF_001692575.1_ASM1	0
metagenomics_sauce	GCF_001692575.1_ASM	GCF_001692575.1_ASM1	0
metagenomics_sauce	GCF_001692595.1_ASM	GCF_001692595.1_ASM1	0
metagenomics_sauce	GCF_001692595.1_ASM	GCF_001692595.1_ASM1	0
metagenomics_sauce	GCF_001692615.1_ASM	GCF_001692615.1_ASM1	0
metagenomics_sauce	GCF_001692615.1_ASM	GCF_001692615.1_ASM1	0
metagenomics_sauce	GCF_001692635.1_ASM	GCF_001692635.1_ASM1	0
metagenomics_sauce	GCF_001692635.1_ASM	GCF_001692635.1_ASM1	0
metagenomics_sauce	GCF_001705055.1_ASM	GCF_001705055.1_ASM1	579
metagenomics_sauce	GCF_001705055.1_ASM	GCF_001705055.1_ASM1	579
metagenomics_sauce	GCF_001705365.1_ASM	GCF_001705365.1_ASM1	0
metagenomics_sauce	GCF_001705365.1_ASM	GCF_001705365.1_ASM1	0
metagenomics_sauce	GCF_001729225.1_ASM	GCF_001729225.1_ASM1	0
metagenomics_sauce	GCF_001729225.1_ASM	GCF_001729225.1_ASM1	0
metagenomics_sauce	GCF_001886995.1_ASM	GCF_001886995.1_ASM1	0
metagenomics_sauce	GCF_001886995.1_ASM	GCF_001886995.1_ASM1	0
metagenomics_sauce	GCF_001887015.1_ASM	GCF_001887015.1_ASM1	0
metagenomics_sauce	GCF_001887015.1_ASM	GCF_001887015.1_ASM1	0
metagenomics_sauce	GCF_001890165.1_ASM	GCF_001890165.1_ASM1	0
metagenomics_sauce	GCF_001890165.1_ASM	GCF_001890165.1_ASM1	0
metagenomics_sauce	GCF_001890185.1_ASM	GCF_001890185.1_ASM1	0
metagenomics_sauce	GCF_001890185.1_ASM	GCF_001890185.1_ASM1	0
metagenomics_sauce	GCF_001890445.1_ASM	GCF_001890445.1_ASM1	0
metagenomics_sauce	GCF_001890445.1_ASM	GCF_001890445.1_ASM1	0
metagenomics_sauce	GCF_001922165.1_ASM	GCF_001922165.1_ASM1	0
metagenomics_sauce	GCF_001922165.1_ASM	GCF_001922165.1_ASM1	0
metagenomics_sauce	GCF_001922185.1_ASM	GCF_001922185.1_ASM1	0
metagenomics_sauce	GCF_001922185.1_ASM	GCF_001922185.1_ASM1	0
metagenomics_sauce	GCF_001931555.1_ASM	GCF_001931555.1_ASM1	0
metagenomics_sauce	GCF_001931555.1_ASM	GCF_001931555.1_ASM1	0
metagenomics_sauce	GCF_001931575.1_ASM	GCF_001931575.1_ASM1	0
metagenomics_sauce	GCF_001931575.1_ASM	GCF_001931575.1_ASM1	0
metagenomics_sauce	GCF_001931595.1_ASM	GCF_001931595.1_ASM1	0
metagenomics_sauce	GCF_001931595.1_ASM	GCF_001931595.1_ASM1	0
metagenomics_sauce	GCF_001931615.1_ASM	GCF_001931615.1_ASM1	0
metagenomics_sauce	GCF_001931615.1_ASM	GCF_001931615.1_ASM1	0
metagenomics_sauce	GCF_001941405.1_ASM	GCF_001941405.1_ASM1	0
metagenomics_sauce	GCF_001941405.1_ASM	GCF_001941405.1_ASM1	0
metagenomics_sauce	GCF_001952995.1_ASM	GCF_001952995.1_ASM1	0
metagenomics_sauce	GCF_001952995.1_ASM	GCF_001952995.1_ASM1	0

metagenomics_sauce	GCF_001953015.1_ASM	GCF_001953015.1_ASM1	0
metagenomics_sauce	GCF_001953015.1_ASM	GCF_001953015.1_ASM1	0
metagenomics_sauce	GCF_001953035.1_ASM	GCF_001953035.1_ASM1	0
metagenomics_sauce	GCF_001953035.1_ASM	GCF_001953035.1_ASM1	0
metagenomics_sauce	GCF_001953675.1_ASM	GCF_001953675.1_ASM1	0
metagenomics_sauce	GCF_001953675.1_ASM	GCF_001953675.1_ASM1	0
metagenomics_sauce	GCF_001953695.1_ASM	GCF_001953695.1_ASM1	0
metagenomics_sauce	GCF_001953695.1_ASM	GCF_001953695.1_ASM1	0
metagenomics_sauce	GCF_001956735.1_ASM	GCF_001956735.1_ASM1	0
metagenomics_sauce	GCF_001956735.1_ASM	GCF_001956735.1_ASM1	0
metagenomics_sauce	GCF_001969425.1_ASM	GCF_001969425.1_ASM1	864
metagenomics_sauce	GCF_001969425.1_ASM	GCF_001969425.1_ASM1	864
metagenomics_sauce	GCF_001973275.2_ASM	GCF_001973275.2_ASM1	0
metagenomics_sauce	GCF_001973275.2_ASM	GCF_001973275.2_ASM1	0
metagenomics_sauce	GCF_001975245.1_ASM	GCF_001975245.1_ASM1	0
metagenomics_sauce	GCF_001975245.1_ASM	GCF_001975245.1_ASM1	0
metagenomics_sauce	GCF_001975265.1_ASM	GCF_001975265.1_ASM1	0
metagenomics_sauce	GCF_001975265.1_ASM	GCF_001975265.1_ASM1	0
metagenomics_sauce	GCF_001975285.1_ASM	GCF_001975285.1_ASM1	0
metagenomics_sauce	GCF_001975285.1_ASM	GCF_001975285.1_ASM1	0
metagenomics_sauce	GCF_001975305.1_ASM	GCF_001975305.1_ASM1	0
metagenomics_sauce	GCF_001975305.1_ASM	GCF_001975305.1_ASM1	0
metagenomics_sauce	GCF_001975325.1_ASM	GCF_001975325.1_ASM1	0
metagenomics_sauce	GCF_001975325.1_ASM	GCF_001975325.1_ASM1	0
metagenomics_sauce	GCF_001975345.1_ASM	GCF_001975345.1_ASM1	0
metagenomics_sauce	GCF_001975345.1_ASM	GCF_001975345.1_ASM1	0
metagenomics_sauce	GCF_001975365.1_ASM	GCF_001975365.1_ASM1	0
metagenomics_sauce	GCF_001975365.1_ASM	GCF_001975365.1_ASM1	0
metagenomics_sauce	GCF_001975385.1_ASM	GCF_001975385.1_ASM1	0
metagenomics_sauce	GCF_001975385.1_ASM	GCF_001975385.1_ASM1	0
metagenomics_sauce	GCF_001975405.1_ASM	GCF_001975405.1_ASM1	0
metagenomics_sauce	GCF_001975405.1_ASM	GCF_001975405.1_ASM1	0
metagenomics_sauce	GCF_001975425.1_ASM	GCF_001975425.1_ASM1	0
metagenomics_sauce	GCF_001975425.1_ASM	GCF_001975425.1_ASM1	0
metagenomics_sauce	GCF_001975445.1_ASM	GCF_001975445.1_ASM1	0
metagenomics_sauce	GCF_001975445.1_ASM	GCF_001975445.1_ASM1	0
metagenomics_sauce	GCF_001975515.1_ASM	GCF_001975515.1_ASM1	0
metagenomics_sauce	GCF_001975515.1_ASM	GCF_001975515.1_ASM1	0
metagenomics_sauce	GCF_001975555.1_ASM	GCF_001975555.1_ASM1	0
metagenomics_sauce	GCF_001975555.1_ASM	GCF_001975555.1_ASM1	0
metagenomics_sauce	GCF_001975605.1_ASM	GCF_001975605.1_ASM1	0
metagenomics_sauce	GCF_001975605.1_ASM	GCF_001975605.1_ASM1	0
metagenomics_sauce	GCF_001975625.1_ASM	GCF_001975625.1_ASM1	0
metagenomics_sauce	GCF_001975625.1_ASM	GCF_001975625.1_ASM1	0
metagenomics_sauce	GCF_001975645.1_ASM	GCF_001975645.1_ASM1	0
metagenomics_sauce	GCF_001975645.1_ASM	GCF_001975645.1_ASM1	0
metagenomics_sauce	GCF_001989635.1_ASM	GCF_001989635.1_ASM1	0
metagenomics_sauce	GCF_001989635.1_ASM	GCF_001989635.1_ASM1	0
metagenomics_sauce	GCF_002079245.1_ASM	GCF_002079245.1_ASM2	0
metagenomics_sauce	GCF_002079245.1_ASM	GCF_002079245.1_ASM2	0
metagenomics_sauce	GCF_002119485.1_ASM	GCF_002119485.1_ASM2	0
metagenomics_sauce	GCF_002119485.1_ASM	GCF_002119485.1_ASM2	0
metagenomics_sauce	GCF_002128365.1_ASM	GCF_002128365.1_ASM2	0
metagenomics_sauce	GCF_002128365.1_ASM	GCF_002128365.1_ASM2	0
metagenomics_sauce	GCF_002128385.1_ASM	GCF_002128385.1_ASM2	0
metagenomics_sauce	GCF_002128385.1_ASM	GCF_002128385.1_ASM2	0
metagenomics_sauce	GCF_002163995.1_ASM	GCF_002163995.1_ASM2	0
metagenomics_sauce	GCF_002163995.1_ASM	GCF_002163995.1_ASM2	0
metagenomics_sauce	GCF_002196535.1_ASM	GCF_002196535.1_ASM2	0
metagenomics_sauce	GCF_002196535.1_ASM	GCF_002196535.1_ASM2	0
metagenomics_sauce	GCF_002201855.1_ASM	GCF_002201855.1_ASM2	0
metagenomics_sauce	GCF_002201855.1_ASM	GCF_002201855.1_ASM2	0
metagenomics_sauce	GCF_002208255.1_ASM	GCF_002208255.1_ASM2	0
metagenomics_sauce	GCF_002208255.1_ASM	GCF_002208255.1_ASM2	0
metagenomics_sauce	GCF_002208315.1_ASM	GCF_002208315.1_ASM2	0
metagenomics_sauce	GCF_002208315.1_ASM	GCF_002208315.1_ASM2	0
metagenomics_sauce	GCF_002208965.1_ASM	GCF_002208965.1_ASM2	0
metagenomics_sauce	GCF_002208965.1_ASM	GCF_002208965.1_ASM2	0
metagenomics_sauce	GCF_002209205.2_ASM	GCF_002209205.2_ASM2	0
metagenomics_sauce	GCF_002209205.2_ASM	GCF_002209205.2_ASM2	0
metagenomics_sauce	GCF_002209225.1_ASM	GCF_002209225.1_ASM2	0

metagenomics_sauce	GCF_002209225.1_ASM	GCF_002209225.1_ASM2	0
metagenomics_sauce	GCF_002210025.1_ASM	GCF_002210025.1_ASM2	0
metagenomics_sauce	GCF_002210025.1_ASM	GCF_002210025.1_ASM2	0
metagenomics_sauce	GCF_002211565.1_ASM	GCF_002211565.1_ASM2	0
metagenomics_sauce	GCF_002211565.1_ASM	GCF_002211565.1_ASM2	0
metagenomics_sauce	GCF_002211585.1_ASM	GCF_002211585.1_ASM2	0
metagenomics_sauce	GCF_002211585.1_ASM	GCF_002211585.1_ASM2	0
metagenomics_sauce	GCF_002211825.1_ASM	GCF_002211825.1_ASM2	0
metagenomics_sauce	GCF_002211825.1_ASM	GCF_002211825.1_ASM2	0
metagenomics_sauce	GCF_002211845.1_ASM	GCF_002211845.1_ASM2	0
metagenomics_sauce	GCF_002211845.1_ASM	GCF_002211845.1_ASM2	0
metagenomics_sauce	GCF_002211865.1_ASM	GCF_002211865.1_ASM2	0
metagenomics_sauce	GCF_002211865.1_ASM	GCF_002211865.1_ASM2	0
metagenomics_sauce	GCF_002211925.1_ASM	GCF_002211925.1_ASM2	0
metagenomics_sauce	GCF_002211925.1_ASM	GCF_002211925.1_ASM2	0
metagenomics_sauce	GCF_002211965.1_ASM	GCF_002211965.1_ASM2	0
metagenomics_sauce	GCF_002211965.1_ASM	GCF_002211965.1_ASM2	0
metagenomics_sauce	GCF_002220345.1_ASM	GCF_002220345.1_ASM2	0
metagenomics_sauce	GCF_002220345.1_ASM	GCF_002220345.1_ASM2	0
metagenomics_sauce	GCF_002224405.1_ASM	GCF_002224405.1_ASM2	0
metagenomics_sauce	GCF_002224405.1_ASM	GCF_002224405.1_ASM2	0
metagenomics_sauce	GCF_002234475.1_ASM	GCF_002234475.1_ASM2	0
metagenomics_sauce	GCF_002234475.1_ASM	GCF_002234475.1_ASM2	0
metagenomics_sauce	GCF_002234515.1_ASM	GCF_002234515.1_ASM2	0
metagenomics_sauce	GCF_002234515.1_ASM	GCF_002234515.1_ASM2	0
metagenomics_sauce	GCF_002234735.2_ASM	GCF_002234735.2_ASM2	0
metagenomics_sauce	GCF_002234735.2_ASM	GCF_002234735.2_ASM2	0
metagenomics_sauce	GCF_002234755.2_ASM	GCF_002234755.2_ASM2	0
metagenomics_sauce	GCF_002234755.2_ASM	GCF_002234755.2_ASM2	0
metagenomics_sauce	GCF_002234775.1_ASM	GCF_002234775.1_ASM2	0
metagenomics_sauce	GCF_002234775.1_ASM	GCF_002234775.1_ASM2	0
metagenomics_sauce	GCF_002234795.1_ASM	GCF_002234795.1_ASM2	0
metagenomics_sauce	GCF_002234795.1_ASM	GCF_002234795.1_ASM2	0
metagenomics_sauce	GCF_002234855.1_ASM	GCF_002234855.1_ASM2	0
metagenomics_sauce	GCF_002234855.1_ASM	GCF_002234855.1_ASM2	0
metagenomics_sauce	GCF_002238275.1_ASM	GCF_002238275.1_ASM2	0
metagenomics_sauce	GCF_002238275.1_ASM	GCF_002238275.1_ASM2	0
metagenomics_sauce	GCF_002290205.1_ASM	GCF_002290205.1_ASM2	0
metagenomics_sauce	GCF_002290205.1_ASM	GCF_002290205.1_ASM2	0
metagenomics_sauce	GCF_002313085.1_ASM	GCF_002313085.1_ASM2	9
metagenomics_sauce	GCF_002313085.1_ASM	GCF_002313085.1_ASM2	9
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metagenomics_sauce	GCF_002313125.1_ASM	GCF_002313125.1_ASM2	0
metagenomics_sauce	GCF_002313125.1_ASM	GCF_002313125.1_ASM2	0
metagenomics_sauce	GCF_002386165.1_ASM	GCF_002386165.1_ASM2	0
metagenomics_sauce	GCF_002386165.1_ASM	GCF_002386165.1_ASM2	0
metagenomics_sauce	GCF_002386325.1_ASM	GCF_002386325.1_ASM2	0
metagenomics_sauce	GCF_002386325.1_ASM	GCF_002386325.1_ASM2	0
metagenomics_sauce	GCF_002504105.1_ASM	GCF_002504105.1_ASM2	0
metagenomics_sauce	GCF_002504105.1_ASM	GCF_002504105.1_ASM2	0
metagenomics_sauce	GCF_002504125.1_ASM	GCF_002504125.1_ASM2	0
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metagenomics_sauce	GCF_002741865.1_ASM	GCF_002741865.1_ASM2	0
metagenomics_sauce	GCF_002741865.1_ASM	GCF_002741865.1_ASM2	0
metagenomics_sauce	GCF_002741885.1_ASM	GCF_002741885.1_ASM2	0
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metagenomics_sauce	GCF_002741905.1_ASM	GCF_002741905.1_ASM2	0
metagenomics_sauce	GCF_002741905.1_ASM	GCF_002741905.1_ASM2	0
metagenomics_sauce	GCF_002741925.1_ASM	GCF_002741925.1_ASM2	0
metagenomics_sauce	GCF_002741925.1_ASM	GCF_002741925.1_ASM2	0
metagenomics_sauce	GCF_002760915.1_ASM	GCF_002760915.1_ASM2	0
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metagenomics_sauce	GCF_002760935.1_ASM	GCF_002760935.1_ASM2	0
metagenomics_sauce	GCF_002760935.1_ASM	GCF_002760935.1_ASM2	0
metagenomics_sauce	GCF_002760955.1_ASM	GCF_002760955.1_ASM2	77
metagenomics_sauce	GCF_002760955.1_ASM	GCF_002760955.1_ASM2	77
metagenomics_sauce	GCF_002760975.1_ASM	GCF_002760975.1_ASM2	23
metagenomics_sauce	GCF_002760975.1_ASM	GCF_002760975.1_ASM2	23
metagenomics_sauce	GCF_002760995.1_ASM	GCF_002760995.1_ASM2	6
metagenomics_sauce	GCF_002760995.1_ASM	GCF_002760995.1_ASM2	6

metagenomics_sauce	GCF_002761015.1_ASM	GCF_002761015.1_ASM2	0
metagenomics_sauce	GCF_002761015.1_ASM	GCF_002761015.1_ASM2	0
metagenomics_sauce	GCF_002761035.1_ASM	GCF_002761035.1_ASM2	26
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metagenomics_sauce	GCF_002761055.1_ASM	GCF_002761055.1_ASM2	0
metagenomics_sauce	GCF_002761055.1_ASM	GCF_002761055.1_ASM2	0
metagenomics_sauce	GCF_002761075.1_ASM	GCF_002761075.1_ASM2	0
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metagenomics_sauce	GCF_002761095.1_ASM	GCF_002761095.1_ASM2	6
metagenomics_sauce	GCF_002761095.1_ASM	GCF_002761095.1_ASM2	6
metagenomics_sauce	GCF_002761115.1_ASM	GCF_002761115.1_ASM2	0
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metagenomics_sauce	GCF_002761135.1_ASM	GCF_002761135.1_ASM2	0
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metagenomics_sauce	GCF_002761155.1_ASM	GCF_002761155.1_ASM2	0
metagenomics_sauce	GCF_002761335.1_ASM	GCF_002761335.1_ASM2	0
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metagenomics_sauce	GCF_002761355.1_ASM	GCF_002761355.1_ASM2	0
metagenomics_sauce	GCF_002761375.1_ASM	GCF_002761375.1_ASM2	0
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metagenomics_sauce	GCF_002761395.1_ASM	GCF_002761395.1_ASM2	0
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metagenomics_sauce	GCF_002761415.1_ASM	GCF_002761415.1_ASM2	0
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metagenomics_sauce	GCF_002761455.1_ASM	GCF_002761455.1_ASM2	0
metagenomics_sauce	GCF_002761455.1_ASM	GCF_002761455.1_ASM2	0
metagenomics_sauce	GCF_002761475.1_ASM	GCF_002761475.1_ASM2	0
metagenomics_sauce	GCF_002761475.1_ASM	GCF_002761475.1_ASM2	0
metagenomics_sauce	GCF_002761495.1_ASM	GCF_002761495.1_ASM2	0
metagenomics_sauce	GCF_002761495.1_ASM	GCF_002761495.1_ASM2	0
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metagenomics_sauce	GCF_002762135.3_ASM	GCF_002762135.3_ASM2	0
metagenomics_sauce	GCF_002763415.1_ASM	GCF_002763415.1_ASM2	0
metagenomics_sauce	GCF_002763415.1_ASM	GCF_002763415.1_ASM2	0
metagenomics_sauce	GCF_002777175.1_ASM	GCF_002777175.1_ASM2	0
metagenomics_sauce	GCF_002777175.1_ASM	GCF_002777175.1_ASM2	0
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metagenomics_sauce	GCF_002794415.1_ASM	GCF_002794415.1_ASM2	0
metagenomics_sauce	GCF_002813935.1_ASM	GCF_002813935.1_ASM2	0
metagenomics_sauce	GCF_002813935.1_ASM	GCF_002813935.1_ASM2	0
metagenomics_sauce	GCF_002813975.1_ASM	GCF_002813975.1_ASM2	201
metagenomics_sauce	GCF_002813975.1_ASM	GCF_002813975.1_ASM2	201
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metagenomics_sauce	GCF_002863765.1_ASM	GCF_002863765.1_ASM2	0
metagenomics_sauce	GCF_002863765.1_ASM	GCF_002863765.1_ASM2	0
metagenomics_sauce	GCF_002863785.1_ASM	GCF_002863785.1_ASM2	0
metagenomics_sauce	GCF_002863785.1_ASM	GCF_002863785.1_ASM2	0
metagenomics_sauce	GCF_002900325.1_ASM	GCF_002900325.1_ASM2	0
metagenomics_sauce	GCF_002900325.1_ASM	GCF_002900325.1_ASM2	0
metagenomics_sauce	GCF_002946375.1_ASM	GCF_002946375.1_ASM2	0
metagenomics_sauce	GCF_002946375.1_ASM	GCF_002946375.1_ASM2	0
metagenomics_sauce	GCF_002946675.1_ASM	GCF_002946675.1_ASM2	1
metagenomics_sauce	GCF_002946675.1_ASM	GCF_002946675.1_ASM2	1
metagenomics_sauce	GCF_002947135.1_ASM	GCF_002947135.1_ASM2	0
metagenomics_sauce	GCF_002947135.1_ASM	GCF_002947135.1_ASM2	0
metagenomics_sauce	GCF_002952975.1_ASM	GCF_002952975.1_ASM2	0
metagenomics_sauce	GCF_002952975.1_ASM	GCF_002952975.1_ASM2	0
metagenomics_sauce	GCF_002953175.1_ASM	GCF_002953175.1_ASM2	0
metagenomics_sauce	GCF_002953175.1_ASM	GCF_002953175.1_ASM2	0
metagenomics_sauce	GCF_002982095.1_ASM	GCF_002982095.1_ASM2	0
metagenomics_sauce	GCF_002982095.1_ASM	GCF_002982095.1_ASM2	0
metagenomics_sauce	GCF_002983965.1_ASM	GCF_002983965.1_ASM2	0
metagenomics_sauce	GCF_002983965.1_ASM	GCF_002983965.1_ASM2	0
metagenomics_sauce	GCF_002984035.1_ASM	GCF_002984035.1_ASM2	0
metagenomics_sauce	GCF_002984035.1_ASM	GCF_002984035.1_ASM2	0
metagenomics_sauce	GCF_002984285.1_ASM	GCF_002984285.1_ASM2	0

metagenomics_sauce	GCF_002984285.1_ASM	GCF_002984285.1_ASM2	0
metagenomics_sauce	GCF_002999175.1_ASM	GCF_002999175.1_ASM2	0
metagenomics_sauce	GCF_002999175.1_ASM	GCF_002999175.1_ASM2	0
metagenomics_sauce	GCF_003030105.1_ASM	GCF_003030105.1_ASM3	0
metagenomics_sauce	GCF_003030105.1_ASM	GCF_003030105.1_ASM3	0
metagenomics_sauce	GCF_003030125.1_ASM	GCF_003030125.1_ASM3	0
metagenomics_sauce	GCF_003030125.1_ASM	GCF_003030125.1_ASM3	0
metagenomics_sauce	GCF_003030265.1_ASM	GCF_003030265.1_ASM3	0
metagenomics_sauce	GCF_003030265.1_ASM	GCF_003030265.1_ASM3	0
metagenomics_sauce	GCF_003030285.1_ASM	GCF_003030285.1_ASM3	0
metagenomics_sauce	GCF_003030285.1_ASM	GCF_003030285.1_ASM3	0
metagenomics_sauce	GCF_003031835.1_ASM	GCF_003031835.1_ASM3	0
metagenomics_sauce	GCF_003031835.1_ASM	GCF_003031835.1_ASM3	0
metagenomics_sauce	GCF_003031855.1_ASM	GCF_003031855.1_ASM3	0
metagenomics_sauce	GCF_003031855.1_ASM	GCF_003031855.1_ASM3	0
metagenomics_sauce	GCF_003031875.1_ASM	GCF_003031875.1_ASM3	0
metagenomics_sauce	GCF_003031875.1_ASM	GCF_003031875.1_ASM3	0
metagenomics_sauce	GCF_003031995.1_ASM	GCF_003031995.1_ASM3	0
metagenomics_sauce	GCF_003031995.1_ASM	GCF_003031995.1_ASM3	0
metagenomics_sauce	GCF_003032015.1_ASM	GCF_003032015.1_ASM3	0
metagenomics_sauce	GCF_003032015.1_ASM	GCF_003032015.1_ASM3	0
metagenomics_sauce	GCF_003032035.1_ASM	GCF_003032035.1_ASM3	1618032
metagenomics_sauce	GCF_003032035.1_ASM	GCF_003032035.1_ASM3	1618032
metagenomics_sauce	GCF_003052785.2_ASM	GCF_003052785.2_ASM3	0
metagenomics_sauce	GCF_003052785.2_ASM	GCF_003052785.2_ASM3	0
metagenomics_sauce	GCF_003054535.1_ASM	GCF_003054535.1_ASM3	0
metagenomics_sauce	GCF_003054535.1_ASM	GCF_003054535.1_ASM3	0
metagenomics_sauce	GCF_003071485.1_ASM	GCF_003071485.1_ASM3	0
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metagenomics_sauce	GCF_003071545.1_ASM	GCF_003071545.1_ASM3	0
metagenomics_sauce	GCF_003071545.1_ASM	GCF_003071545.1_ASM3	0
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metagenomics_sauce	GCF_003073515.1_ASM	GCF_003073515.1_ASM3	0
metagenomics_sauce	GCF_003073535.1_ASM	GCF_003073535.1_ASM3	0
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metagenomics_sauce	GCF_003073555.1_ASM	GCF_003073555.1_ASM3	0
metagenomics_sauce	GCF_003073555.1_ASM	GCF_003073555.1_ASM3	0
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metagenomics_sauce	GCF_003073575.1_ASM	GCF_003073575.1_ASM3	0
metagenomics_sauce	GCF_003073595.1_ASM	GCF_003073595.1_ASM3	0
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metagenomics_sauce	GCF_003130605.1_ASM	GCF_003130605.1_ASM3	0
metagenomics_sauce	GCF_003177235.1_ASM	GCF_003177235.1_ASM3	0
metagenomics_sauce	GCF_003177235.1_ASM	GCF_003177235.1_ASM3	0
metagenomics_sauce	GCF_003177255.1_ASM	GCF_003177255.1_ASM3	0
metagenomics_sauce	GCF_003177255.1_ASM	GCF_003177255.1_ASM3	0
metagenomics_sauce	GCF_003181075.1_ASM	GCF_003181075.1_ASM3	0
metagenomics_sauce	GCF_003181075.1_ASM	GCF_003181075.1_ASM3	0
metagenomics_sauce	GCF_003181155.1_ASM	GCF_003181155.1_ASM3	0
metagenomics_sauce	GCF_003181155.1_ASM	GCF_003181155.1_ASM3	0
metagenomics_sauce	GCF_003184325.1_ASM	GCF_003184325.1_ASM3	0
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metagenomics_sauce	GCF_003184425.1_ASM	GCF_003184425.1_ASM3	0
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metagenomics_sauce	GCF_003231095.1_ASM	GCF_003231095.1_ASM3	0
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metagenomics_sauce	GCF_003296145.1_ASM	GCF_003296145.1_ASM3	0
metagenomics_sauce	GCF_003312565.1_ASM	GCF_003312565.1_ASM3	6
metagenomics_sauce	GCF_003312565.1_ASM	GCF_003312565.1_ASM3	6
metagenomics_sauce	GCF_003324775.1_ASM	GCF_003324775.1_ASM3	0
metagenomics_sauce	GCF_003324775.1_ASM	GCF_003324775.1_ASM3	0
metagenomics_sauce	GCF_003324795.1_ASM	GCF_003324795.1_ASM3	0
metagenomics_sauce	GCF_003324795.1_ASM	GCF_003324795.1_ASM3	0
metagenomics_sauce	GCF_003324815.1_ASM	GCF_003324815.1_ASM3	0
metagenomics_sauce	GCF_003324815.1_ASM	GCF_003324815.1_ASM3	0

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metagenomics_sauce	GCF_003324855.1_ASM	GCF_003324855.1_ASM3	0
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metagenomics_sauce	GCF_003347075.1_ASM	GCF_003347075.1_ASM3	0
metagenomics_sauce	GCF_003429365.1_ASM	GCF_003429365.1_ASM3	0
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metagenomics_sauce	GCF_003515965.1_ASM	GCF_003515965.1_ASM3	1
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metagenomics_sauce	GCF_003589805.1_ASM	GCF_003589805.1_ASM3	0
metagenomics_sauce	GCF_003589805.1_ASM	GCF_003589805.1_ASM3	0
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metagenomics_sauce	GCF_003595645.1_ASM	GCF_003595645.1_ASM3	0
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metagenomics_sauce	GCF_003595725.1_ASM	GCF_003595725.1_ASM3	0
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metagenomics_sauce	GCF_003641325.1_ASM	GCF_003641325.1_ASM3	0
metagenomics_sauce	GCF_003663765.1_ASM	GCF_003663765.1_ASM3	31
metagenomics_sauce	GCF_003663765.1_ASM	GCF_003663765.1_ASM3	31
metagenomics_sauce	GCF_003691385.1_ASM	GCF_003691385.1_ASM3	3
metagenomics_sauce	GCF_003691385.1_ASM	GCF_003691385.1_ASM3	3
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metagenomics_sauce	GCF_003717575.1_ASM	GCF_003717575.1_ASM3	0
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metagenomics_sauce	GCF_003717615.1_ASM	GCF_003717615.1_ASM3	0
metagenomics_sauce	GCF_003717635.1_ASM	GCF_003717635.1_ASM3	0
metagenomics_sauce	GCF_003717635.1_ASM	GCF_003717635.1_ASM3	0

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metagenomics_sauce	GCF_003717675.1_ASM	GCF_003717675.1_ASM3	0
metagenomics_sauce	GCF_003717695.1_ASM	GCF_003717695.1_ASM3	0
metagenomics_sauce	GCF_003717695.1_ASM	GCF_003717695.1_ASM3	0
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metagenomics_sauce	GCF_003717735.1_ASM	GCF_003717735.1_ASM3	0
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metagenomics_sauce	GCF_003717775.1_ASM	GCF_003717775.1_ASM3	0
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metagenomics_sauce	GCF_003717795.1_ASM	GCF_003717795.1_ASM3	0
metagenomics_sauce	GCF_003717815.1_ASM	GCF_003717815.1_ASM3	0
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metagenomics_sauce	GCF_004847345.1_ASM	GCF_004847345.1_ASM4	0
metagenomics_sauce	GCF_004847505.1_ASM	GCF_004847505.1_ASM4	0
metagenomics_sauce	GCF_004847505.1_ASM	GCF_004847505.1_ASM4	0
metagenomics_sauce	GCF_004847525.1_ASM	GCF_004847525.1_ASM4	0
metagenomics_sauce	GCF_004847525.1_ASM	GCF_004847525.1_ASM4	0
metagenomics_sauce	GCF_004847545.1_ASM	GCF_004847545.1_ASM4	0
metagenomics_sauce	GCF_004847545.1_ASM	GCF_004847545.1_ASM4	0
metagenomics_sauce	GCF_004847565.1_ASM	GCF_004847565.1_ASM4	0
metagenomics_sauce	GCF_004847565.1_ASM	GCF_004847565.1_ASM4	0
metagenomics_sauce	GCF_004847585.1_ASM	GCF_004847585.1_ASM4	0
metagenomics_sauce	GCF_004847585.1_ASM	GCF_004847585.1_ASM4	0
metagenomics_sauce	GCF_004847605.1_ASM	GCF_004847605.1_ASM4	0
metagenomics_sauce	GCF_004847605.1_ASM	GCF_004847605.1_ASM4	0
metagenomics_sauce	GCF_004847625.1_ASM	GCF_004847625.1_ASM4	0
metagenomics_sauce	GCF_004847625.1_ASM	GCF_004847625.1_ASM4	0
metagenomics_sauce	GCF_004847745.1_ASM	GCF_004847745.1_ASM4	0
metagenomics_sauce	GCF_004847745.1_ASM	GCF_004847745.1_ASM4	0
metagenomics_sauce	GCF_004847885.1_ASM	GCF_004847885.1_ASM4	0
metagenomics_sauce	GCF_004847885.1_ASM	GCF_004847885.1_ASM4	0
metagenomics_sauce	GCF_004848145.1_ASM	GCF_004848145.1_ASM4	0
metagenomics_sauce	GCF_004848145.1_ASM	GCF_004848145.1_ASM4	0
metagenomics_sauce	GCF_004848405.1_ASM	GCF_004848405.1_ASM4	0
metagenomics_sauce	GCF_004848405.1_ASM	GCF_004848405.1_ASM4	0
metagenomics_sauce	GCF_004848545.1_ASM	GCF_004848545.1_ASM4	0
metagenomics_sauce	GCF_004848545.1_ASM	GCF_004848545.1_ASM4	0
metagenomics_sauce	GCF_004848685.1_ASM	GCF_004848685.1_ASM4	0
metagenomics_sauce	GCF_004848685.1_ASM	GCF_004848685.1_ASM4	0
metagenomics_sauce	GCF_004848885.1_ASM	GCF_004848885.1_ASM4	0
metagenomics_sauce	GCF_004848885.1_ASM	GCF_004848885.1_ASM4	0
metagenomics_sauce	GCF_004919145.1_ASM	GCF_004919145.1_ASM4	0
metagenomics_sauce	GCF_004919145.1_ASM	GCF_004919145.1_ASM4	0
metagenomics_sauce	GCF_004919165.1_ASM	GCF_004919165.1_ASM4	0
metagenomics_sauce	GCF_004919165.1_ASM	GCF_004919165.1_ASM4	0
metagenomics_sauce	GCF_004919185.1_ASM	GCF_004919185.1_ASM4	0
metagenomics_sauce	GCF_004919185.1_ASM	GCF_004919185.1_ASM4	0

metagenomics_sauce	GCF_004919205.1_ASM	GCF_004919205.1_ASM4	0
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metagenomics_sauce	GCF_004919225.1_ASM	GCF_004919225.1_ASM4	0
metagenomics_sauce	GCF_004919225.1_ASM	GCF_004919225.1_ASM4	0
metagenomics_sauce	GCF_004919245.1_ASM	GCF_004919245.1_ASM4	0
metagenomics_sauce	GCF_004919245.1_ASM	GCF_004919245.1_ASM4	0
metagenomics_sauce	GCF_004919265.1_ASM	GCF_004919265.1_ASM4	0
metagenomics_sauce	GCF_004919265.1_ASM	GCF_004919265.1_ASM4	0
metagenomics_sauce	GCF_004919285.1_ASM	GCF_004919285.1_ASM4	0
metagenomics_sauce	GCF_004919285.1_ASM	GCF_004919285.1_ASM4	0
metagenomics_sauce	GCF_004919305.1_ASM	GCF_004919305.1_ASM4	0
metagenomics_sauce	GCF_004919305.1_ASM	GCF_004919305.1_ASM4	0
metagenomics_sauce	GCF_004919325.1_ASM	GCF_004919325.1_ASM4	0
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metagenomics_sauce	GCF_004919345.1_ASM	GCF_004919345.1_ASM4	0
metagenomics_sauce	GCF_004919345.1_ASM	GCF_004919345.1_ASM4	0
metagenomics_sauce	GCF_004919365.1_ASM	GCF_004919365.1_ASM4	0
metagenomics_sauce	GCF_004919365.1_ASM	GCF_004919365.1_ASM4	0
metagenomics_sauce	GCF_004919385.1_ASM	GCF_004919385.1_ASM4	0
metagenomics_sauce	GCF_004919385.1_ASM	GCF_004919385.1_ASM4	0
metagenomics_sauce	GCF_004919405.1_ASM	GCF_004919405.1_ASM4	0
metagenomics_sauce	GCF_004919405.1_ASM	GCF_004919405.1_ASM4	0
metagenomics_sauce	GCF_004919425.1_ASM	GCF_004919425.1_ASM4	0
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metagenomics_sauce	GCF_004919445.1_ASM	GCF_004919445.1_ASM4	0
metagenomics_sauce	GCF_004919445.1_ASM	GCF_004919445.1_ASM4	0
metagenomics_sauce	GCF_004919465.1_ASM	GCF_004919465.1_ASM4	0
metagenomics_sauce	GCF_004919465.1_ASM	GCF_004919465.1_ASM4	0
metagenomics_sauce	GCF_004923395.1_ASM	GCF_004923395.1_ASM4	0
metagenomics_sauce	GCF_004923395.1_ASM	GCF_004923395.1_ASM4	0
metagenomics_sauce	GCF_004923415.2_ASM	GCF_004923415.2_ASM4	0
metagenomics_sauce	GCF_004923415.2_ASM	GCF_004923415.2_ASM4	0
metagenomics_sauce	GCF_004941405.1_ASM	GCF_004941405.1_ASM4	0
metagenomics_sauce	GCF_004941405.1_ASM	GCF_004941405.1_ASM4	0
metagenomics_sauce	GCF_005094845.1_ASM	GCF_005094845.1_ASM5	0
metagenomics_sauce	GCF_005094845.1_ASM	GCF_005094845.1_ASM5	0
metagenomics_sauce	GCF_005144925.1_ASM	GCF_005144925.1_ASM5	0
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metagenomics_sauce	GCF_005144945.1_ASM	GCF_005144945.1_ASM5	0
metagenomics_sauce	GCF_005144945.1_ASM	GCF_005144945.1_ASM5	0
metagenomics_sauce	GCF_005144985.1_ASM	GCF_005144985.1_ASM5	0
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metagenomics_sauce	GCF_005160365.1_ASM	GCF_005160365.1_ASM5	0
metagenomics_sauce	GCF_005160385.1_ASM	GCF_005160385.1_ASM5	0
metagenomics_sauce	GCF_005160385.1_ASM	GCF_005160385.1_ASM5	0
metagenomics_sauce	GCF_005160405.1_ASM	GCF_005160405.1_ASM5	0
metagenomics_sauce	GCF_005160405.1_ASM	GCF_005160405.1_ASM5	0
metagenomics_sauce	GCF_005166225.1_ASM	GCF_005166225.1_ASM5	0
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metagenomics_sauce	GCF_005221485.1_ASM	GCF_005221485.1_ASM5	0
metagenomics_sauce	GCF_005221485.1_ASM	GCF_005221485.1_ASM5	0
metagenomics_sauce	GCF_005222465.1_ASM	GCF_005222465.1_ASM5	0
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metagenomics_sauce	GCF_005457265.1_ASM	GCF_005457265.1_ASM5	0
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metagenomics_sauce	GCF_005537135.1_ASM	GCF_005537135.1_ASM5	0
metagenomics_sauce	GCF_005537135.1_ASM	GCF_005537135.1_ASM5	0
metagenomics_sauce	GCF_005537375.1_ASM	GCF_005537375.1_ASM5	0
metagenomics_sauce	GCF_005537375.1_ASM	GCF_005537375.1_ASM5	0
metagenomics_sauce	GCF_005576575.1_ASM	GCF_005576575.1_ASM5	0
metagenomics_sauce	GCF_005576575.1_ASM	GCF_005576575.1_ASM5	0
metagenomics_sauce	GCF_005576595.1_ASM	GCF_005576595.1_ASM5	0
metagenomics_sauce	GCF_005576595.1_ASM	GCF_005576595.1_ASM5	0
metagenomics_sauce	GCF_005844025.1_ASM	GCF_005844025.1_ASM5	0
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metagenomics_sauce	GCF_005885835.1_ASM	GCF_005885835.1_ASM5	0
metagenomics_sauce	GCF_005885835.1_ASM	GCF_005885835.1_ASM5	0
metagenomics_sauce	GCF_005885855.1_ASM	GCF_005885855.1_ASM5	0
metagenomics_sauce	GCF_005885855.1_ASM	GCF_005885855.1_ASM5	0
metagenomics_sauce	GCF_005885875.1_ASM	GCF_005885875.1_ASM5	0

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metagenomics_sauce	GCF_005885895.1_ASM	GCF_005885895.1_ASM5	0
metagenomics_sauce	GCF_005885935.1_ASM	GCF_005885935.1_ASM5	0
metagenomics_sauce	GCF_005885935.1_ASM	GCF_005885935.1_ASM5	0
metagenomics_sauce	GCF_005889955.1_ASM	GCF_005889955.1_ASM5	0
metagenomics_sauce	GCF_005889955.1_ASM	GCF_005889955.1_ASM5	0
metagenomics_sauce	GCF_005889975.1_ASM	GCF_005889975.1_ASM5	0
metagenomics_sauce	GCF_005889975.1_ASM	GCF_005889975.1_ASM5	0
metagenomics_sauce	GCF_005890095.1_ASM	GCF_005890095.1_ASM5	0
metagenomics_sauce	GCF_005890095.1_ASM	GCF_005890095.1_ASM5	0
metagenomics_sauce	GCF_005890175.1_ASM	GCF_005890175.1_ASM5	0
metagenomics_sauce	GCF_005890175.1_ASM	GCF_005890175.1_ASM5	0
metagenomics_sauce	GCF_005930995.1_ASM	GCF_005930995.1_ASM5	0
metagenomics_sauce	GCF_005930995.1_ASM	GCF_005930995.1_ASM5	0
metagenomics_sauce	GCF_005954705.1_ASM	GCF_005954705.1_ASM5	0
metagenomics_sauce	GCF_005954705.1_ASM	GCF_005954705.1_ASM5	0
metagenomics_sauce	GCF_006088735.1_ASM	GCF_006088735.1_ASM6	0
metagenomics_sauce	GCF_006088735.1_ASM	GCF_006088735.1_ASM6	0
metagenomics_sauce	GCF_006165105.1_ASM	GCF_006165105.1_ASM6	0
metagenomics_sauce	GCF_006165105.1_ASM	GCF_006165105.1_ASM6	0
metagenomics_sauce	GCF_006165125.1_ASM	GCF_006165125.1_ASM6	0
metagenomics_sauce	GCF_006165125.1_ASM	GCF_006165125.1_ASM6	0
metagenomics_sauce	GCF_006165145.1_ASM	GCF_006165145.1_ASM6	0
metagenomics_sauce	GCF_006165145.1_ASM	GCF_006165145.1_ASM6	0
metagenomics_sauce	GCF_006165165.1_ASM	GCF_006165165.1_ASM6	0
metagenomics_sauce	GCF_006165165.1_ASM	GCF_006165165.1_ASM6	0
metagenomics_sauce	GCF_006165185.1_ASM	GCF_006165185.1_ASM6	0
metagenomics_sauce	GCF_006165185.1_ASM	GCF_006165185.1_ASM6	0
metagenomics_sauce	GCF_006165205.1_ASM	GCF_006165205.1_ASM6	0
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metagenomics_sauce	GCF_006165245.1_ASM	GCF_006165245.1_ASM6	0
metagenomics_sauce	GCF_006165245.1_ASM	GCF_006165245.1_ASM6	0
metagenomics_sauce	GCF_006165265.1_ASM	GCF_006165265.1_ASM6	0
metagenomics_sauce	GCF_006165265.1_ASM	GCF_006165265.1_ASM6	0
metagenomics_sauce	GCF_006165285.1_ASM	GCF_006165285.1_ASM6	0
metagenomics_sauce	GCF_006165285.1_ASM	GCF_006165285.1_ASM6	0
metagenomics_sauce	GCF_006228345.1_ASM	GCF_006228345.1_ASM6	0
metagenomics_sauce	GCF_006228345.1_ASM	GCF_006228345.1_ASM6	0
metagenomics_sauce	GCF_006351805.1_ASM	GCF_006351805.1_ASM6	0
metagenomics_sauce	GCF_006351805.1_ASM	GCF_006351805.1_ASM6	0
metagenomics_sauce	GCF_006364755.1_ASM	GCF_006364755.1_ASM6	0
metagenomics_sauce	GCF_006364755.1_ASM	GCF_006364755.1_ASM6	0
metagenomics_sauce	GCF_006365335.1_ASM	GCF_006365335.1_ASM6	0
metagenomics_sauce	GCF_006365335.1_ASM	GCF_006365335.1_ASM6	0
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metagenomics_sauce	GCF_006384195.1_ASM	GCF_006384195.1_ASM6	0
metagenomics_sauce	GCF_006384995.1_ASM	GCF_006384995.1_ASM6	0
metagenomics_sauce	GCF_006384995.1_ASM	GCF_006384995.1_ASM6	0
metagenomics_sauce	GCF_006385115.1_ASM	GCF_006385115.1_ASM6	0
metagenomics_sauce	GCF_006385115.1_ASM	GCF_006385115.1_ASM6	0
metagenomics_sauce	GCF_006402875.1_ASM	GCF_006402875.1_ASM6	0
metagenomics_sauce	GCF_006402875.1_ASM	GCF_006402875.1_ASM6	0
metagenomics_sauce	GCF_006516995.1_ASM	GCF_006516995.1_ASM6	0
metagenomics_sauce	GCF_006516995.1_ASM	GCF_006516995.1_ASM6	0
metagenomics_sauce	GCF_006517015.1_ASM	GCF_006517015.1_ASM6	176
metagenomics_sauce	GCF_006517015.1_ASM	GCF_006517015.1_ASM6	176
metagenomics_sauce	GCF_006517035.1_ASM	GCF_006517035.1_ASM6	0
metagenomics_sauce	GCF_006517035.1_ASM	GCF_006517035.1_ASM6	0
metagenomics_sauce	GCF_006517055.1_ASM	GCF_006517055.1_ASM6	0
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metagenomics_sauce	GCF_006517135.1_ASM	GCF_006517135.1_ASM6	0
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metagenomics_sauce	GCF_006517155.1_ASM	GCF_006517155.1_ASM6	0
metagenomics_sauce	GCF_006517155.1_ASM	GCF_006517155.1_ASM6	0
metagenomics_sauce	GCF_006740725.1_ASM	GCF_006740725.1_ASM6	0
metagenomics_sauce	GCF_006740725.1_ASM	GCF_006740725.1_ASM6	0

metagenomics_sauce	GCF_006741505.1_ASM	GCF_006741505.1_ASM6	0
metagenomics_sauce	GCF_006741505.1_ASM	GCF_006741505.1_ASM6	0
metagenomics_sauce	GCF_006874805.1_ASM	GCF_006874805.1_ASM6	0
metagenomics_sauce	GCF_006874805.1_ASM	GCF_006874805.1_ASM6	0
metagenomics_sauce	GCF_006969245.1_ASM	GCF_006969245.1_ASM6	0
metagenomics_sauce	GCF_006969245.1_ASM	GCF_006969245.1_ASM6	0
metagenomics_sauce	GCF_007431545.1_ASM	GCF_007431545.1_ASM7	0
metagenomics_sauce	GCF_007431545.1_ASM	GCF_007431545.1_ASM7	0
metagenomics_sauce	GCF_007833775.1_ASM	GCF_007833775.1_ASM7	0
metagenomics_sauce	GCF_007833775.1_ASM	GCF_007833775.1_ASM7	0
metagenomics_sauce	GCF_007923125.1_ASM	GCF_007923125.1_ASM7	0
metagenomics_sauce	GCF_007923125.1_ASM	GCF_007923125.1_ASM7	0
metagenomics_sauce	GCF_008124065.1_ASM	GCF_008124065.1_ASM8	0
metagenomics_sauce	GCF_008124065.1_ASM	GCF_008124065.1_ASM8	0
metagenomics_sauce	GCF_008124445.1_ASM	GCF_008124445.1_ASM8	0
metagenomics_sauce	GCF_008124445.1_ASM	GCF_008124445.1_ASM8	0
metagenomics_sauce	GCF_008244785.1_ASM	GCF_008244785.1_ASM8	0
metagenomics_sauce	GCF_008244785.1_ASM	GCF_008244785.1_ASM8	0
metagenomics_sauce	GCF_008244805.1_ASM	GCF_008244805.1_ASM8	0
metagenomics_sauce	GCF_008244805.1_ASM	GCF_008244805.1_ASM8	0
metagenomics_sauce	GCF_008244825.1_ASM	GCF_008244825.1_ASM8	0
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metagenomics_sauce	GCF_008244845.1_ASM	GCF_008244845.1_ASM8	0
metagenomics_sauce	GCF_008313815.1_ASM	GCF_008313815.1_ASM8	6601
metagenomics_sauce	GCF_008313815.1_ASM	GCF_008313815.1_ASM8	6601
metagenomics_sauce	GCF_008330205.1_ASM	GCF_008330205.1_ASM8	0
metagenomics_sauce	GCF_008330205.1_ASM	GCF_008330205.1_ASM8	0
metagenomics_sauce	GCF_008386295.1_ASM	GCF_008386295.1_ASM8	0
metagenomics_sauce	GCF_008386295.1_ASM	GCF_008386295.1_ASM8	0
metagenomics_sauce	GCF_008727535.1_ASM	GCF_008727535.1_ASM8	0
metagenomics_sauce	GCF_008727535.1_ASM	GCF_008727535.1_ASM8	0
metagenomics_sauce	GCF_008727555.1_ASM	GCF_008727555.1_ASM8	0
metagenomics_sauce	GCF_008727555.1_ASM	GCF_008727555.1_ASM8	0
metagenomics_sauce	GCF_008727575.1_ASM	GCF_008727575.1_ASM8	0
metagenomics_sauce	GCF_008727575.1_ASM	GCF_008727575.1_ASM8	0
metagenomics_sauce	GCF_008727595.1_ASM	GCF_008727595.1_ASM8	0
metagenomics_sauce	GCF_008727595.1_ASM	GCF_008727595.1_ASM8	0
metagenomics_sauce	GCF_008727615.1_ASM	GCF_008727615.1_ASM8	0
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metagenomics_sauce	GCF_008727655.1_ASM	GCF_008727655.1_ASM8	0
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metagenomics_sauce	GCF_008728495.1_ASM	GCF_008728495.1_ASM8	0
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metagenomics_sauce	GCF_008807355.1_ASM	GCF_008807355.1_ASM8	0
metagenomics_sauce	GCF_008807355.1_ASM	GCF_008807355.1_ASM8	0
metagenomics_sauce	GCF_008931225.1_ASM	GCF_008931225.1_ASM8	0
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metagenomics_sauce	GCF_008931245.1_ASM	GCF_008931245.1_ASM8	0
metagenomics_sauce	GCF_008931245.1_ASM	GCF_008931245.1_ASM8	0
metagenomics_sauce	GCF_009017295.1_ASM	GCF_009017295.1_ASM9	0
metagenomics_sauce	GCF_009017295.1_ASM	GCF_009017295.1_ASM9	0
metagenomics_sauce	GCF_009017315.1_ASM	GCF_009017315.1_ASM9	0
metagenomics_sauce	GCF_009017315.1_ASM	GCF_009017315.1_ASM9	0
metagenomics_sauce	GCF_009017335.1_ASM	GCF_009017335.1_ASM9	0
metagenomics_sauce	GCF_009017335.1_ASM	GCF_009017335.1_ASM9	0
metagenomics_sauce	GCF_009184685.1_ASM	GCF_009184685.1_ASM9	0
metagenomics_sauce	GCF_009184685.1_ASM	GCF_009184685.1_ASM9	0
metagenomics_sauce	GCF_900086565.1_3964	GCF_900086565.1_39641	0
metagenomics_sauce	GCF_900086565.1_3964	GCF_900086565.1_39641	0
metagenomics_sauce	GCF_900166885.1_3967	GCF_900166885.1_39674	0
metagenomics_sauce	GCF_900166885.1_3967	GCF_900166885.1_39674	0
metagenomics_sauce	GCF_900184385.1_STM	GCF_900184385.1_STMU	0
metagenomics_sauce	GCF_900184385.1_STM	GCF_900184385.1_STMU	0
metagenomics_sauce	GCF_900185485.1_BL6(	GCF_900185485.1_BL60(	0
metagenomics_sauce	GCF_900185485.1_BL6(	GCF_900185485.1_BL60(	0
metagenomics_sauce	GCF_900205255.1_1554	GCF_900205255.1_1554_	0
metagenomics_sauce	GCF_900205255.1_1554	GCF_900205255.1_1554_	0
metagenomics_sauce	GCF_900205265.1_lupe	GCF_900205265.1_lupe_	0

metagenomics_sauce	GCF_900205265.1_lupe	GCF_900205265.1_lupe_	0
metagenomics_sauce	GCF_900205275.1_4031	GCF_900205275.1_403Ty	0
metagenomics_sauce	GCF_900205275.1_4031	GCF_900205275.1_403Ty	0
metagenomics_sauce	GCF_900205295.1_E98-	GCF_900205295.1_E98-3	0
metagenomics_sauce	GCF_900205295.1_E98-	GCF_900205295.1_E98-3	0
metagenomics_sauce	GCF_900475825.1_4669	GCF_900475825.1_46693	0
metagenomics_sauce	GCF_900475825.1_4669	GCF_900475825.1_46693	0
metagenomics_sauce	GCF_900475895.1_4797	GCF_900475895.1_47972	0
metagenomics_sauce	GCF_900475895.1_4797	GCF_900475895.1_47972	0
metagenomics_sauce	GCF_900475965.1_4669	GCF_900475965.1_46693	0
metagenomics_sauce	GCF_900475965.1_4669	GCF_900475965.1_46693	0
metagenomics_sauce	GCF_900477885.1_4680	GCF_900477885.1_46801	0
metagenomics_sauce	GCF_900477885.1_4680	GCF_900477885.1_46801	0
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metagenomics_sauce	GCF_900477905.1_4698	GCF_900477905.1_46983	0
metagenomics_sauce	GCF_900477905.1_4698	GCF_900477905.1_46983	0
metagenomics_sauce	GCF_900477925.1_4680	GCF_900477925.1_46801	0
metagenomics_sauce	GCF_900477925.1_4680	GCF_900477925.1_46801	0
metagenomics_sauce	GCF_900477985.1_4729	GCF_900477985.1_47297	0
metagenomics_sauce	GCF_900477985.1_4729	GCF_900477985.1_47297	0
metagenomics_sauce	GCF_900477995.1_4693	GCF_900477995.1_46931	0
metagenomics_sauce	GCF_900477995.1_4693	GCF_900477995.1_46931	0
metagenomics_sauce	GCF_900478065.1_5068	GCF_900478065.1_50681	0
metagenomics_sauce	GCF_900478065.1_5068	GCF_900478065.1_50681	0
metagenomics_sauce	GCF_900478155.1_4732	GCF_900478155.1_47328	0
metagenomics_sauce	GCF_900478155.1_4732	GCF_900478155.1_47328	0
metagenomics_sauce	GCF_900478195.1_4729	GCF_900478195.1_47297	0
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metagenomics_sauce	GCF_900478205.1_4938	GCF_900478205.1_49386	0
metagenomics_sauce	GCF_900478215.1_4732	GCF_900478215.1_47328	0
metagenomics_sauce	GCF_900478215.1_4732	GCF_900478215.1_47328	0
metagenomics_sauce	GCF_900478225.1_4732	GCF_900478225.1_47328	0
metagenomics_sauce	GCF_900478225.1_4732	GCF_900478225.1_47328	0
metagenomics_sauce	GCF_900478235.1_4995	GCF_900478235.1_49950	0
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metagenomics_sauce	GCF_900478385.1_2975	GCF_900478385.1_29751	0
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metagenomics_sauce	GCF_900478435.1_3170	GCF_900478435.1_31701	0
metagenomics_sauce	GCF_900478435.1_3170	GCF_900478435.1_31701	0
metagenomics_sauce	GCF_900538085.1_D23	GCF_900538085.1_D2358	0
metagenomics_sauce	GCF_900538085.1_D23	GCF_900538085.1_D2358	0
metagenomics_sauce	GCF_900635075.1_2984	GCF_900635075.1_29840	0
metagenomics_sauce	GCF_900635075.1_2984	GCF_900635075.1_29840	0
metagenomics_sauce	GCF_900635515.1_3006	GCF_900635515.1_30066	0
metagenomics_sauce	GCF_900635515.1_3006	GCF_900635515.1_30066	0
metagenomics_sauce	GCF_900635535.1_3031	GCF_900635535.1_30316	0
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metagenomics_sauce	GCF_900635575.1_3118	GCF_900635575.1_31180	0
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metagenomics_sauce	GCF_900635595.1_3134	GCF_900635595.1_31340	0
metagenomics_sauce	GCF_900635615.1_3134	GCF_900635615.1_31340	0
metagenomics_sauce	GCF_900635615.1_3134	GCF_900635615.1_31340	0
metagenomics_sauce	GCF_900635645.1_3162	GCF_900635645.1_31629	0
metagenomics_sauce	GCF_900635645.1_3162	GCF_900635645.1_31629	0
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metagenomics_sauce	GCF_900635655.1_3162	GCF_900635655.1_31629	0
metagenomics_sauce	GCF_900635675.1_3188	GCF_900635675.1_31885	0
metagenomics_sauce	GCF_900635675.1_3188	GCF_900635675.1_31885	0

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metagenomics_sauce	GCF_900635725.1_3275	GCF_900635725.1_32752	0
metagenomics_sauce	GCF_900635725.1_3275	GCF_900635725.1_32752	0
metagenomics_sauce	GCF_900635855.1_3560	GCF_900635855.1_35605	0
metagenomics_sauce	GCF_900635855.1_3560	GCF_900635855.1_35605	0
metagenomics_sauce	GCF_900636155.1_3911	GCF_900636155.1_39111	0
metagenomics_sauce	GCF_900636155.1_3911	GCF_900636155.1_39111	0
metagenomics_sauce	GCF_900636165.1_3913	GCF_900636165.1_39130	0
metagenomics_sauce	GCF_900636165.1_3913	GCF_900636165.1_39130	0
metagenomics_sauce	GCF_901457615.1_ERS3	GCF_901457615.1_ERS33	0
metagenomics_sauce	GCF_901457615.1_ERS3	GCF_901457615.1_ERS33	0
metagenomics_sauce	GCF_901457625.1_ERS3	GCF_901457625.1_ERS33	0
metagenomics_sauce	GCF_901457625.1_ERS3	GCF_901457625.1_ERS33	0
metagenomics_meal	GCF_000006945.2_ASM	GCF_000006945.2_ASM6	0
metagenomics_meal	GCF_000006945.2_ASM	GCF_000006945.2_ASM6	0
metagenomics_meal	GCF_000007545.1_ASM	GCF_000007545.1_ASM7	0
metagenomics_meal	GCF_000007545.1_ASM	GCF_000007545.1_ASM7	0
metagenomics_meal	GCF_000008105.1_ASM	GCF_000008105.1_ASM8	0
metagenomics_meal	GCF_000008105.1_ASM	GCF_000008105.1_ASM8	0
metagenomics_meal	GCF_000009505.1_ASM	GCF_000009505.1_ASM9	0
metagenomics_meal	GCF_000009505.1_ASM	GCF_000009505.1_ASM9	0
metagenomics_meal	GCF_000009525.1_ASM	GCF_000009525.1_ASM9	0
metagenomics_meal	GCF_000009525.1_ASM	GCF_000009525.1_ASM9	0
metagenomics_meal	GCF_000011885.1_ASM	GCF_000011885.1_ASM1	0
metagenomics_meal	GCF_000011885.1_ASM	GCF_000011885.1_ASM1	0
metagenomics_meal	GCF_000016045.1_ASM	GCF_000016045.1_ASM1	0
metagenomics_meal	GCF_000016045.1_ASM	GCF_000016045.1_ASM1	0
metagenomics_meal	GCF_000018385.1_ASM	GCF_000018385.1_ASM1	0
metagenomics_meal	GCF_000018385.1_ASM	GCF_000018385.1_ASM1	0
metagenomics_meal	GCF_000018625.1_ASM	GCF_000018625.1_ASM1	0
metagenomics_meal	GCF_000018625.1_ASM	GCF_000018625.1_ASM1	0
metagenomics_meal	GCF_000018705.1_ASM	GCF_000018705.1_ASM1	0
metagenomics_meal	GCF_000018705.1_ASM	GCF_000018705.1_ASM1	0
metagenomics_meal	GCF_000020705.1_ASM	GCF_000020705.1_ASM2	0
metagenomics_meal	GCF_000020705.1_ASM	GCF_000020705.1_ASM2	0
metagenomics_meal	GCF_000020745.1_ASM	GCF_000020745.1_ASM2	0
metagenomics_meal	GCF_000020745.1_ASM	GCF_000020745.1_ASM2	0
metagenomics_meal	GCF_000020885.1_ASM	GCF_000020885.1_ASM2	0
metagenomics_meal	GCF_000020885.1_ASM	GCF_000020885.1_ASM2	0
metagenomics_meal	GCF_000020925.1_ASM	GCF_000020925.1_ASM2	0
metagenomics_meal	GCF_000020925.1_ASM	GCF_000020925.1_ASM2	0
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metagenomics_meal	GCF_000022165.1_ASM	GCF_000022165.1_ASM2	0
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metagenomics_meal	GCF_000026565.1_ASM	GCF_000026565.1_ASM2	0
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metagenomics_meal	GCF_000188735.1_ASM	GCF_000188735.1_ASM1	0
metagenomics_meal	GCF_000188735.1_ASM	GCF_000188735.1_ASM1	0
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metagenomics_meal	GCF_000188955.2_ASM	GCF_000188955.2_ASM1	0
metagenomics_meal	GCF_000195995.1_ASM	GCF_000195995.1_ASM1	0
metagenomics_meal	GCF_000195995.1_ASM	GCF_000195995.1_ASM1	0
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metagenomics_meal	GCF_000213635.1_ASM	GCF_000213635.1_ASM2	0
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metagenomics_meal	GCF_000240905.2_ASM	GCF_000240905.2_ASM2	0
metagenomics_meal	GCF_000240905.2_ASM	GCF_000240905.2_ASM2	0
metagenomics_meal	GCF_000245535.1_ASM	GCF_000245535.1_ASM2	0
metagenomics_meal	GCF_000245535.1_ASM	GCF_000245535.1_ASM2	0
metagenomics_meal	GCF_000252875.1_ASM	GCF_000252875.1_ASM2	0
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metagenomics_meal	GCF_000252995.1_ASM	GCF_000252995.1_ASM2	0
metagenomics_meal	GCF_000252995.1_ASM	GCF_000252995.1_ASM2	0
metagenomics_meal	GCF_000258365.1_ASM	GCF_000258365.1_ASM2	0
metagenomics_meal	GCF_000258365.1_ASM	GCF_000258365.1_ASM2	0
metagenomics_meal	GCF_000271885.2_ASM	GCF_000271885.2_ASM2	0

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metagenomics_meal	GCF_000271905.2_ASM	GCF_000271905.2_ASM2	0
metagenomics_meal	GCF_000271905.2_ASM	GCF_000271905.2_ASM2	0
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metagenomics_meal	GCF_000272715.4_ASM	GCF_000272715.4_ASM2	0
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metagenomics_meal	GCF_000272735.4_ASM	GCF_000272735.4_ASM2	0
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metagenomics_meal	GCF_000329365.2_ASM	GCF_000329365.2_ASM3	0
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metagenomics_meal	GCF_000330485.2_ASM	GCF_000330485.2_ASM3	275
metagenomics_meal	GCF_000330485.2_ASM	GCF_000330485.2_ASM3	275
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metagenomics_meal	GCF_000335995.2_ASM	GCF_000335995.2_ASM3	0
metagenomics_meal	GCF_000335995.2_ASM	GCF_000335995.2_ASM3	0
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metagenomics_meal	GCF_000341425.1_ASM	GCF_000341425.1_ASM3	0
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metagenomics_meal	GCF_000385905.1_ASM	GCF_000385905.1_ASM3	0
metagenomics_meal	GCF_000430085.2_ASM	GCF_000430085.2_ASM4	0
metagenomics_meal	GCF_000430085.2_ASM	GCF_000430085.2_ASM4	0
metagenomics_meal	GCF_000430105.1_ASM	GCF_000430105.1_ASM4	0
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metagenomics_meal	GCF_000439255.1_ASM	GCF_000439255.1_ASM4	0
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metagenomics_meal	GCF_000484195.3_ASM	GCF_000484195.3_ASM4	0
metagenomics_meal	GCF_000486045.2_ASM	GCF_000486045.2_ASM4	0
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metagenomics_meal	GCF_000486585.2_ASM	GCF_000486585.2_ASM4	0
metagenomics_meal	GCF_000486585.2_ASM	GCF_000486585.2_ASM4	0
metagenomics_meal	GCF_000486725.2_ASM	GCF_000486725.2_ASM4	0
metagenomics_meal	GCF_000486725.2_ASM	GCF_000486725.2_ASM4	0
metagenomics_meal	GCF_000486765.2_ASM	GCF_000486765.2_ASM4	0
metagenomics_meal	GCF_000486765.2_ASM	GCF_000486765.2_ASM4	0
metagenomics_meal	GCF_000486815.2_ASM	GCF_000486815.2_ASM4	0
metagenomics_meal	GCF_000486815.2_ASM	GCF_000486815.2_ASM4	0
metagenomics_meal	GCF_000486855.2_ASM	GCF_000486855.2_ASM4	0
metagenomics_meal	GCF_000486855.2_ASM	GCF_000486855.2_ASM4	0
metagenomics_meal	GCF_000486915.2_ASM	GCF_000486915.2_ASM4	0
metagenomics_meal	GCF_000486915.2_ASM	GCF_000486915.2_ASM4	0
metagenomics_meal	GCF_000487015.2_ASM	GCF_000487015.2_ASM4	0
metagenomics_meal	GCF_000487015.2_ASM	GCF_000487015.2_ASM4	0
metagenomics_meal	GCF_000487035.2_ASM	GCF_000487035.2_ASM4	0
metagenomics_meal	GCF_000487035.2_ASM	GCF_000487035.2_ASM4	0
metagenomics_meal	GCF_000487155.2_ASM	GCF_000487155.2_ASM4	0
metagenomics_meal	GCF_000487155.2_ASM	GCF_000487155.2_ASM4	0
metagenomics_meal	GCF_000487255.2_ASM	GCF_000487255.2_ASM4	0
metagenomics_meal	GCF_000487255.2_ASM	GCF_000487255.2_ASM4	0
metagenomics_meal	GCF_000487295.3_ASM	GCF_000487295.3_ASM4	0
metagenomics_meal	GCF_000487295.3_ASM	GCF_000487295.3_ASM4	0
metagenomics_meal	GCF_000487515.2_ASM	GCF_000487515.2_ASM4	0
metagenomics_meal	GCF_000487515.2_ASM	GCF_000487515.2_ASM4	0
metagenomics_meal	GCF_000487575.2_ASM	GCF_000487575.2_ASM4	0
metagenomics_meal	GCF_000487575.2_ASM	GCF_000487575.2_ASM4	0
metagenomics_meal	GCF_000487615.2_ASM	GCF_000487615.2_ASM4	0
metagenomics_meal	GCF_000487615.2_ASM	GCF_000487615.2_ASM4	0
metagenomics_meal	GCF_000487775.1_ASM	GCF_000487775.1_ASM4	0
metagenomics_meal	GCF_000487775.1_ASM	GCF_000487775.1_ASM4	0
metagenomics_meal	GCF_000487915.2_ASM	GCF_000487915.2_ASM4	0
metagenomics_meal	GCF_000487915.2_ASM	GCF_000487915.2_ASM4	0
metagenomics_meal	GCF_000487935.2_ASM	GCF_000487935.2_ASM4	0
metagenomics_meal	GCF_000487935.2_ASM	GCF_000487935.2_ASM4	0
metagenomics_meal	GCF_000493295.2_ASM	GCF_000493295.2_ASM4	0
metagenomics_meal	GCF_000493295.2_ASM	GCF_000493295.2_ASM4	0
metagenomics_meal	GCF_000493535.2_DT2_	GCF_000493535.2_DT2_	0
metagenomics_meal	GCF_000493535.2_DT2_	GCF_000493535.2_DT2_	0
metagenomics_meal	GCF_000493675.1_DT1(	GCF_000493675.1_DT10	0
metagenomics_meal	GCF_000493675.1_DT1(	GCF_000493675.1_DT10	0
metagenomics_meal	GCF_000494385.3_ASM	GCF_000494385.3_ASM4	0
metagenomics_meal	GCF_000494385.3_ASM	GCF_000494385.3_ASM4	0
metagenomics_meal	GCF_000503845.1_ASM	GCF_000503845.1_ASM5	0
metagenomics_meal	GCF_000503845.1_ASM	GCF_000503845.1_ASM5	0
metagenomics_meal	GCF_000505365.2_ASM	GCF_000505365.2_ASM5	0
metagenomics_meal	GCF_000505365.2_ASM	GCF_000505365.2_ASM5	0
metagenomics_meal	GCF_000505705.1_ASM	GCF_000505705.1_ASM5	0
metagenomics_meal	GCF_000505705.1_ASM	GCF_000505705.1_ASM5	0
metagenomics_meal	GCF_000612325.1_ASM	GCF_000612325.1_ASM6	0
metagenomics_meal	GCF_000612325.1_ASM	GCF_000612325.1_ASM6	0
metagenomics_meal	GCF_000623055.1_ASM	GCF_000623055.1_ASM6	0
metagenomics_meal	GCF_000623055.1_ASM	GCF_000623055.1_ASM6	0
metagenomics_meal	GCF_000623095.1_ASM	GCF_000623095.1_ASM6	0
metagenomics_meal	GCF_000623095.1_ASM	GCF_000623095.1_ASM6	0
metagenomics_meal	GCF_000623115.2_ASM	GCF_000623115.2_ASM6	0
metagenomics_meal	GCF_000623115.2_ASM	GCF_000623115.2_ASM6	0
metagenomics_meal	GCF_000623135.1_ASM	GCF_000623135.1_ASM6	0
metagenomics_meal	GCF_000623135.1_ASM	GCF_000623135.1_ASM6	0
metagenomics_meal	GCF_000623195.2_ASM	GCF_000623195.2_ASM6	0
metagenomics_meal	GCF_000623195.2_ASM	GCF_000623195.2_ASM6	0
metagenomics_meal	GCF_000623275.1_ASM	GCF_000623275.1_ASM6	0
metagenomics_meal	GCF_000623275.1_ASM	GCF_000623275.1_ASM6	0
metagenomics_meal	GCF_000623295.1_ASM	GCF_000623295.1_ASM6	0
metagenomics_meal	GCF_000623295.1_ASM	GCF_000623295.1_ASM6	0
metagenomics_meal	GCF_000623315.1_ASM	GCF_000623315.1_ASM6	0
metagenomics_meal	GCF_000623315.1_ASM	GCF_000623315.1_ASM6	0
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metagenomics_meal	GCF_000623335.1_ASM	GCF_000623335.1_ASM6	0
metagenomics_meal	GCF_000623355.1_ASM	GCF_000623355.1_ASM6	0

metagenomics_meal	GCF_000623355.1_ASM	GCF_000623355.1_ASM6	0
metagenomics_meal	GCF_000623375.1_ASM	GCF_000623375.1_ASM6	0
metagenomics_meal	GCF_000623375.1_ASM	GCF_000623375.1_ASM6	0
metagenomics_meal	GCF_000623395.2_ASM	GCF_000623395.2_ASM6	0
metagenomics_meal	GCF_000623395.2_ASM	GCF_000623395.2_ASM6	0
metagenomics_meal	GCF_000623455.2_ASM	GCF_000623455.2_ASM6	0
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metagenomics_meal	GCF_000623475.1_ASM	GCF_000623475.1_ASM6	0
metagenomics_meal	GCF_000623615.2_ASM	GCF_000623615.2_ASM6	0
metagenomics_meal	GCF_000623615.2_ASM	GCF_000623615.2_ASM6	0
metagenomics_meal	GCF_000623655.2_ASM	GCF_000623655.2_ASM6	0
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metagenomics_meal	GCF_000623675.2_ASM	GCF_000623675.2_ASM6	0
metagenomics_meal	GCF_000623715.2_ASM	GCF_000623715.2_ASM6	0
metagenomics_meal	GCF_000623715.2_ASM	GCF_000623715.2_ASM6	0
metagenomics_meal	GCF_000623735.2_ASM	GCF_000623735.2_ASM6	0
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metagenomics_meal	GCF_000624175.1_ASM	GCF_000624175.1_ASM6	0
metagenomics_meal	GCF_000624175.1_ASM	GCF_000624175.1_ASM6	0
metagenomics_meal	GCF_000624395.2_ASM	GCF_000624395.2_ASM6	0
metagenomics_meal	GCF_000624395.2_ASM	GCF_000624395.2_ASM6	0
metagenomics_meal	GCF_000625855.1_ASM	GCF_000625855.1_ASM6	0
metagenomics_meal	GCF_000625855.1_ASM	GCF_000625855.1_ASM6	0
metagenomics_meal	GCF_000626095.2_ASM	GCF_000626095.2_ASM6	0
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metagenomics_meal	GCF_000626175.1_ASM	GCF_000626175.1_ASM6	0
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metagenomics_meal	GCF_000626195.1_ASM	GCF_000626195.1_ASM6	0
metagenomics_meal	GCF_000626195.1_ASM	GCF_000626195.1_ASM6	0
metagenomics_meal	GCF_000626215.1_ASM	GCF_000626215.1_ASM6	0
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metagenomics_meal	GCF_000626235.1_ASM	GCF_000626235.1_ASM6	0
metagenomics_meal	GCF_000626235.1_ASM	GCF_000626235.1_ASM6	0
metagenomics_meal	GCF_000626255.1_ASM	GCF_000626255.1_ASM6	0
metagenomics_meal	GCF_000626255.1_ASM	GCF_000626255.1_ASM6	0
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metagenomics_meal	GCF_000626275.2_ASM	GCF_000626275.2_ASM6	0
metagenomics_meal	GCF_000626295.1_ASM	GCF_000626295.1_ASM6	0
metagenomics_meal	GCF_000626295.1_ASM	GCF_000626295.1_ASM6	0
metagenomics_meal	GCF_000626335.1_ASM	GCF_000626335.1_ASM6	0
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metagenomics_meal	GCF_000626355.1_ASM	GCF_000626355.1_ASM6	0
metagenomics_meal	GCF_000626375.1_ASM	GCF_000626375.1_ASM6	0
metagenomics_meal	GCF_000626375.1_ASM	GCF_000626375.1_ASM6	0
metagenomics_meal	GCF_000626695.2_ASM	GCF_000626695.2_ASM6	0
metagenomics_meal	GCF_000626695.2_ASM	GCF_000626695.2_ASM6	0
metagenomics_meal	GCF_000636135.1_ASM	GCF_000636135.1_ASM6	0
metagenomics_meal	GCF_000636135.1_ASM	GCF_000636135.1_ASM6	0
metagenomics_meal	GCF_000698515.2_ASM	GCF_000698515.2_ASM6	0
metagenomics_meal	GCF_000698515.2_ASM	GCF_000698515.2_ASM6	0
metagenomics_meal	GCF_000698715.2_ASM	GCF_000698715.2_ASM6	0
metagenomics_meal	GCF_000698715.2_ASM	GCF_000698715.2_ASM6	0
metagenomics_meal	GCF_000709535.1_ASM	GCF_000709535.1_ASM7	0
metagenomics_meal	GCF_000709535.1_ASM	GCF_000709535.1_ASM7	0
metagenomics_meal	GCF_000715155.1_ASM	GCF_000715155.1_ASM7	0
metagenomics_meal	GCF_000715155.1_ASM	GCF_000715155.1_ASM7	0
metagenomics_meal	GCF_000742815.1_ASM	GCF_000742815.1_ASM7	0
metagenomics_meal	GCF_000742815.1_ASM	GCF_000742815.1_ASM7	0
metagenomics_meal	GCF_000743055.1_ASM	GCF_000743055.1_ASM7	0
metagenomics_meal	GCF_000743055.1_ASM	GCF_000743055.1_ASM7	0
metagenomics_meal	GCF_000748245.2_ASM	GCF_000748245.2_ASM7	0
metagenomics_meal	GCF_000748245.2_ASM	GCF_000748245.2_ASM7	0
metagenomics_meal	GCF_000748565.2_ASM	GCF_000748565.2_ASM7	0
metagenomics_meal	GCF_000748565.2_ASM	GCF_000748565.2_ASM7	0
metagenomics_meal	GCF_000750215.1_ASM	GCF_000750215.1_ASM7	6
metagenomics_meal	GCF_000750215.1_ASM	GCF_000750215.1_ASM7	6

metagenomics_meal	GCF_000750255.1_ASM	GCF_000750255.1_ASM7	0
metagenomics_meal	GCF_000750255.1_ASM	GCF_000750255.1_ASM7	0
metagenomics_meal	GCF_000750295.1_ASM	GCF_000750295.1_ASM7	0
metagenomics_meal	GCF_000750295.1_ASM	GCF_000750295.1_ASM7	0
metagenomics_meal	GCF_000750335.1_ASM	GCF_000750335.1_ASM7	0
metagenomics_meal	GCF_000750335.1_ASM	GCF_000750335.1_ASM7	0
metagenomics_meal	GCF_000750375.1_ASM	GCF_000750375.1_ASM7	17
metagenomics_meal	GCF_000750375.1_ASM	GCF_000750375.1_ASM7	17
metagenomics_meal	GCF_000750395.2_ASM	GCF_000750395.2_ASM7	0
metagenomics_meal	GCF_000750395.2_ASM	GCF_000750395.2_ASM7	0
metagenomics_meal	GCF_000750415.2_ASM	GCF_000750415.2_ASM7	0
metagenomics_meal	GCF_000750415.2_ASM	GCF_000750415.2_ASM7	0
metagenomics_meal	GCF_000750435.1_ASM	GCF_000750435.1_ASM7	0
metagenomics_meal	GCF_000750435.1_ASM	GCF_000750435.1_ASM7	0
metagenomics_meal	GCF_000750455.1_ASM	GCF_000750455.1_ASM7	0
metagenomics_meal	GCF_000750455.1_ASM	GCF_000750455.1_ASM7	0
metagenomics_meal	GCF_000750475.1_ASM	GCF_000750475.1_ASM7	0
metagenomics_meal	GCF_000750475.1_ASM	GCF_000750475.1_ASM7	0
metagenomics_meal	GCF_000750495.1_ASM	GCF_000750495.1_ASM7	44
metagenomics_meal	GCF_000750495.1_ASM	GCF_000750495.1_ASM7	44
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metagenomics_meal	GCF_000754375.1_ASM	GCF_000754375.1_ASM7	460
metagenomics_meal	GCF_000756465.1_ASM	GCF_000756465.1_ASM7	0
metagenomics_meal	GCF_000756465.1_ASM	GCF_000756465.1_ASM7	0
metagenomics_meal	GCF_000783815.2_ASM	GCF_000783815.2_ASM7	0
metagenomics_meal	GCF_000783815.2_ASM	GCF_000783815.2_ASM7	0
metagenomics_meal	GCF_000818075.1_ASM	GCF_000818075.1_ASM8	0
metagenomics_meal	GCF_000818075.1_ASM	GCF_000818075.1_ASM8	0
metagenomics_meal	GCF_000818115.1_ASM	GCF_000818115.1_ASM8	0
metagenomics_meal	GCF_000818115.1_ASM	GCF_000818115.1_ASM8	0
metagenomics_meal	GCF_000828595.1_ASM	GCF_000828595.1_ASM8	0
metagenomics_meal	GCF_000828595.1_ASM	GCF_000828595.1_ASM8	0
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metagenomics_meal	GCF_000940975.1_ASM	GCF_000940975.1_ASM9	0
metagenomics_meal	GCF_000940975.1_ASM	GCF_000940975.1_ASM9	0
metagenomics_meal	GCF_000941015.2_ASM	GCF_000941015.2_ASM9	0
metagenomics_meal	GCF_000941015.2_ASM	GCF_000941015.2_ASM9	0
metagenomics_meal	GCF_000953495.1_SINF	GCF_000953495.1_SINFA	0
metagenomics_meal	GCF_000953495.1_SINF	GCF_000953495.1_SINFA	0
metagenomics_meal	GCF_000963535.2_ASM	GCF_000963535.2_ASM9	0
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metagenomics_meal	GCF_000973645.1_ASM	GCF_000973645.1_ASM9	0
metagenomics_meal	GCF_000973645.1_ASM	GCF_000973645.1_ASM9	0
metagenomics_meal	GCF_000973665.2_ASM	GCF_000973665.2_ASM9	0
metagenomics_meal	GCF_000973665.2_ASM	GCF_000973665.2_ASM9	0
metagenomics_meal	GCF_000973685.2_ASM	GCF_000973685.2_ASM9	0
metagenomics_meal	GCF_000973685.2_ASM	GCF_000973685.2_ASM9	0
metagenomics_meal	GCF_000988525.3_ASM	GCF_000988525.3_ASM9	0
metagenomics_meal	GCF_000988525.3_ASM	GCF_000988525.3_ASM9	0
metagenomics_meal	GCF_000993725.1_ASM	GCF_000993725.1_ASM9	0
metagenomics_meal	GCF_000993725.1_ASM	GCF_000993725.1_ASM9	0
metagenomics_meal	GCF_001006525.1_ASM	GCF_001006525.1_ASM1	0
metagenomics_meal	GCF_001006525.1_ASM	GCF_001006525.1_ASM1	0
metagenomics_meal	GCF_001048035.2_ERL1	GCF_001048035.2_ERL10	0
metagenomics_meal	GCF_001048035.2_ERL1	GCF_001048035.2_ERL10	0
metagenomics_meal	GCF_001048375.2_M22	GCF_001048375.2_M223	0
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metagenomics_meal	GCF_001079465.2_STyp	GCF_001079465.2_STyph	0
metagenomics_meal	GCF_001079465.2_STyp	GCF_001079465.2_STyph	0
metagenomics_meal	GCF_001088345.2_052(	GCF_001088345.2_05204	0
metagenomics_meal	GCF_001088345.2_052(	GCF_001088345.2_05204	0
metagenomics_meal	GCF_001095585.2_ERL1	GCF_001095585.2_ERL11	0
metagenomics_meal	GCF_001095585.2_ERL1	GCF_001095585.2_ERL11	0
metagenomics_meal	GCF_001104165.2_E00-	GCF_001104165.2_E00-7	0
metagenomics_meal	GCF_001104165.2_E00-	GCF_001104165.2_E00-7	0
metagenomics_meal	GCF_001104885.2_1034	GCF_001104885.2_10349	0
metagenomics_meal	GCF_001104885.2_1034	GCF_001104885.2_10349	0
metagenomics_meal	GCF_001106745.2_UI_2	GCF_001106745.2_UI_21	0

metagenomics_meal	GCF_001106745.2_UI_2	GCF_001106745.2_UI_21	0
metagenomics_meal	GCF_001118185.2_H12I	GCF_001118185.2_H12E	0
metagenomics_meal	GCF_001118185.2_H12I	GCF_001118185.2_H12E	0
metagenomics_meal	GCF_001119245.2_76_1	GCF_001119245.2_76_12	0
metagenomics_meal	GCF_001119245.2_76_1	GCF_001119245.2_76_12	0
metagenomics_meal	GCF_001121865.2_4041	GCF_001121865.2_404Ty	0
metagenomics_meal	GCF_001121865.2_4041	GCF_001121865.2_404Ty	0
metagenomics_meal	GCF_001127485.2_ERL0	GCF_001127485.2_ERL04	0
metagenomics_meal	GCF_001127485.2_ERL0	GCF_001127485.2_ERL04	0
metagenomics_meal	GCF_001135805.2_ERL0	GCF_001135805.2_ERL07	0
metagenomics_meal	GCF_001135805.2_ERL0	GCF_001135805.2_ERL07	0
metagenomics_meal	GCF_001148125.2_ERL0	GCF_001148125.2_ERL02	0
metagenomics_meal	GCF_001148125.2_ERL0	GCF_001148125.2_ERL02	0
metagenomics_meal	GCF_001148305.2_ERL0	GCF_001148305.2_ERL08	0
metagenomics_meal	GCF_001148305.2_ERL0	GCF_001148305.2_ERL08	0
metagenomics_meal	GCF_001157245.2_ERL1	GCF_001157245.2_ERL12	0
metagenomics_meal	GCF_001157245.2_ERL1	GCF_001157245.2_ERL12	0
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metagenomics_meal	GCF_001165785.2_ERL0	GCF_001165785.2_ERL02	0
metagenomics_meal	GCF_001165785.2_ERL0	GCF_001165785.2_ERL02	0
metagenomics_meal	GCF_001185215.1_ASM	GCF_001185215.1_ASM1	0
metagenomics_meal	GCF_001185215.1_ASM	GCF_001185215.1_ASM1	0
metagenomics_meal	GCF_001185245.1_ASM	GCF_001185245.1_ASM1	155
metagenomics_meal	GCF_001185245.1_ASM	GCF_001185245.1_ASM1	155
metagenomics_meal	GCF_001188125.2_ASM	GCF_001188125.2_ASM1	0
metagenomics_meal	GCF_001188125.2_ASM	GCF_001188125.2_ASM1	0
metagenomics_meal	GCF_001240865.2_Ty3_	GCF_001240865.2_Ty3_1	0
metagenomics_meal	GCF_001240865.2_Ty3_	GCF_001240865.2_Ty3_1	0
metagenomics_meal	GCF_001278275.1_ASM	GCF_001278275.1_ASM1	0
metagenomics_meal	GCF_001278275.1_ASM	GCF_001278275.1_ASM1	0
metagenomics_meal	GCF_001278295.1_ASM	GCF_001278295.1_ASM1	0
metagenomics_meal	GCF_001278295.1_ASM	GCF_001278295.1_ASM1	0
metagenomics_meal	GCF_001278315.1_ASM	GCF_001278315.1_ASM1	0
metagenomics_meal	GCF_001278315.1_ASM	GCF_001278315.1_ASM1	0
metagenomics_meal	GCF_001293505.1_ASM	GCF_001293505.1_ASM1	0
metagenomics_meal	GCF_001293505.1_ASM	GCF_001293505.1_ASM1	0
metagenomics_meal	GCF_001302605.1_ASM	GCF_001302605.1_ASM1	0
metagenomics_meal	GCF_001302605.1_ASM	GCF_001302605.1_ASM1	0
metagenomics_meal	GCF_001302625.1_ASM	GCF_001302625.1_ASM1	0
metagenomics_meal	GCF_001302625.1_ASM	GCF_001302625.1_ASM1	0
metagenomics_meal	GCF_001305235.1_ASM	GCF_001305235.1_ASM1	96
metagenomics_meal	GCF_001305235.1_ASM	GCF_001305235.1_ASM1	96
metagenomics_meal	GCF_001305815.1_ASM	GCF_001305815.1_ASM1	0
metagenomics_meal	GCF_001305815.1_ASM	GCF_001305815.1_ASM1	0
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metagenomics_meal	GCF_001356455.2_1016	GCF_001356455.2_10168	0
metagenomics_meal	GCF_001356455.2_1016	GCF_001356455.2_10168	0
metagenomics_meal	GCF_001357935.2_80_2	GCF_001357935.2_80_20	0
metagenomics_meal	GCF_001357935.2_80_2	GCF_001357935.2_80_20	0
metagenomics_meal	GCF_001359015.2_129_	GCF_001359015.2_129_(	0
metagenomics_meal	GCF_001359015.2_129_	GCF_001359015.2_129_(	0
metagenomics_meal	GCF_001360555.2_2010	GCF_001360555.2_2010_	0
metagenomics_meal	GCF_001360555.2_2010	GCF_001360555.2_2010_	0
metagenomics_meal	GCF_001361075.2_Ty58	GCF_001361075.2_Ty585	0
metagenomics_meal	GCF_001361075.2_Ty58	GCF_001361075.2_Ty585	0
metagenomics_meal	GCF_001362095.2_0341	GCF_001362095.2_03415	0
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metagenomics_meal	GCF_001362135.2_1190	GCF_001362135.2_11909	0
metagenomics_meal	GCF_001362135.2_1190	GCF_001362135.2_11909	0
metagenomics_meal	GCF_001362175.2_ERL1	GCF_001362175.2_ERL12	0
metagenomics_meal	GCF_001362175.2_ERL1	GCF_001362175.2_ERL12	0
metagenomics_meal	GCF_001362195.2_H12I	GCF_001362195.2_H12E	0
metagenomics_meal	GCF_001362195.2_H12I	GCF_001362195.2_H12E	0
metagenomics_meal	GCF_001362335.2_Ty2_	GCF_001362335.2_Ty2_g	0
metagenomics_meal	GCF_001362335.2_Ty2_	GCF_001362335.2_Ty2_g	0
metagenomics_meal	GCF_001364695.2_Ty3_	GCF_001364695.2_Ty3_2	0
metagenomics_meal	GCF_001364695.2_Ty3_	GCF_001364695.2_Ty3_2	0
metagenomics_meal	GCF_001409135.1_1025	GCF_001409135.1_10259	0
metagenomics_meal	GCF_001409135.1_1025	GCF_001409135.1_10259	0

metagenomics_meal	GCF_001409155.1_98_1	GCF_001409155.1_98_11	0
metagenomics_meal	GCF_001409155.1_98_1	GCF_001409155.1_98_11	0
metagenomics_meal	GCF_001409175.1_99_3	GCF_001409175.1_99_31	0
metagenomics_meal	GCF_001409175.1_99_3	GCF_001409175.1_99_31	0
metagenomics_meal	GCF_001409195.1_C234	GCF_001409195.1_C2346	0
metagenomics_meal	GCF_001409195.1_C234	GCF_001409195.1_C2346	0
metagenomics_meal	GCF_001441205.1_ASM	GCF_001441205.1_ASM1	0
metagenomics_meal	GCF_001441205.1_ASM	GCF_001441205.1_ASM1	0
metagenomics_meal	GCF_001441225.1_ASM	GCF_001441225.1_ASM1	0
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metagenomics_meal	GCF_001441245.1_ASM	GCF_001441245.1_ASM1	0
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metagenomics_meal	GCF_001454965.1_ASM	GCF_001454965.1_ASM1	0
metagenomics_meal	GCF_001457675.1_NCT	GCF_001457675.1_NCTC	0
metagenomics_meal	GCF_001457675.1_NCT	GCF_001457675.1_NCTC	0
metagenomics_meal	GCF_001484025.1_ASM	GCF_001484025.1_ASM1	0
metagenomics_meal	GCF_001484025.1_ASM	GCF_001484025.1_ASM1	0
metagenomics_meal	GCF_001535315.2_ASM	GCF_001535315.2_ASM1	0
metagenomics_meal	GCF_001535315.2_ASM	GCF_001535315.2_ASM1	0
metagenomics_meal	GCF_001540845.1_SO4	GCF_001540845.1_SO469	0
metagenomics_meal	GCF_001540845.1_SO4	GCF_001540845.1_SO469	0
metagenomics_meal	GCF_001558355.2_ASM	GCF_001558355.2_ASM1	0
metagenomics_meal	GCF_001558355.2_ASM	GCF_001558355.2_ASM1	0
metagenomics_meal	GCF_001576255.1_ASM	GCF_001576255.1_ASM1	0
metagenomics_meal	GCF_001576255.1_ASM	GCF_001576255.1_ASM1	0
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metagenomics_meal	GCF_002163995.1_ASM	GCF_002163995.1_ASM2	0
metagenomics_meal	GCF_002196535.1_ASM	GCF_002196535.1_ASM2	0

metagenomics_meal	GCF_002196535.1_ASM	GCF_002196535.1_ASM2	0
metagenomics_meal	GCF_002201855.1_ASM	GCF_002201855.1_ASM2	0
metagenomics_meal	GCF_002201855.1_ASM	GCF_002201855.1_ASM2	0
metagenomics_meal	GCF_002208255.1_ASM	GCF_002208255.1_ASM2	0
metagenomics_meal	GCF_002208255.1_ASM	GCF_002208255.1_ASM2	0
metagenomics_meal	GCF_002208315.1_ASM	GCF_002208315.1_ASM2	0
metagenomics_meal	GCF_002208315.1_ASM	GCF_002208315.1_ASM2	0
metagenomics_meal	GCF_002208965.1_ASM	GCF_002208965.1_ASM2	0
metagenomics_meal	GCF_002208965.1_ASM	GCF_002208965.1_ASM2	0
metagenomics_meal	GCF_002209205.2_ASM	GCF_002209205.2_ASM2	0
metagenomics_meal	GCF_002209205.2_ASM	GCF_002209205.2_ASM2	0
metagenomics_meal	GCF_002209225.1_ASM	GCF_002209225.1_ASM2	0
metagenomics_meal	GCF_002209225.1_ASM	GCF_002209225.1_ASM2	0
metagenomics_meal	GCF_002210025.1_ASM	GCF_002210025.1_ASM2	0
metagenomics_meal	GCF_002210025.1_ASM	GCF_002210025.1_ASM2	0
metagenomics_meal	GCF_002211565.1_ASM	GCF_002211565.1_ASM2	0
metagenomics_meal	GCF_002211565.1_ASM	GCF_002211565.1_ASM2	0
metagenomics_meal	GCF_002211585.1_ASM	GCF_002211585.1_ASM2	0
metagenomics_meal	GCF_002211585.1_ASM	GCF_002211585.1_ASM2	0
metagenomics_meal	GCF_002211825.1_ASM	GCF_002211825.1_ASM2	0
metagenomics_meal	GCF_002211825.1_ASM	GCF_002211825.1_ASM2	0
metagenomics_meal	GCF_002211845.1_ASM	GCF_002211845.1_ASM2	0
metagenomics_meal	GCF_002211845.1_ASM	GCF_002211845.1_ASM2	0
metagenomics_meal	GCF_002211865.1_ASM	GCF_002211865.1_ASM2	0
metagenomics_meal	GCF_002211865.1_ASM	GCF_002211865.1_ASM2	0
metagenomics_meal	GCF_002211925.1_ASM	GCF_002211925.1_ASM2	0
metagenomics_meal	GCF_002211925.1_ASM	GCF_002211925.1_ASM2	0
metagenomics_meal	GCF_002211965.1_ASM	GCF_002211965.1_ASM2	0
metagenomics_meal	GCF_002211965.1_ASM	GCF_002211965.1_ASM2	0
metagenomics_meal	GCF_002220345.1_ASM	GCF_002220345.1_ASM2	0
metagenomics_meal	GCF_002220345.1_ASM	GCF_002220345.1_ASM2	0
metagenomics_meal	GCF_002224405.1_ASM	GCF_002224405.1_ASM2	0
metagenomics_meal	GCF_002224405.1_ASM	GCF_002224405.1_ASM2	0
metagenomics_meal	GCF_002234475.1_ASM	GCF_002234475.1_ASM2	0
metagenomics_meal	GCF_002234475.1_ASM	GCF_002234475.1_ASM2	0
metagenomics_meal	GCF_002234515.1_ASM	GCF_002234515.1_ASM2	0
metagenomics_meal	GCF_002234515.1_ASM	GCF_002234515.1_ASM2	0
metagenomics_meal	GCF_002234735.2_ASM	GCF_002234735.2_ASM2	0
metagenomics_meal	GCF_002234735.2_ASM	GCF_002234735.2_ASM2	0
metagenomics_meal	GCF_002234755.2_ASM	GCF_002234755.2_ASM2	0
metagenomics_meal	GCF_002234755.2_ASM	GCF_002234755.2_ASM2	0
metagenomics_meal	GCF_002234775.1_ASM	GCF_002234775.1_ASM2	0
metagenomics_meal	GCF_002234775.1_ASM	GCF_002234775.1_ASM2	0
metagenomics_meal	GCF_002234795.1_ASM	GCF_002234795.1_ASM2	0
metagenomics_meal	GCF_002234795.1_ASM	GCF_002234795.1_ASM2	0
metagenomics_meal	GCF_002234855.1_ASM	GCF_002234855.1_ASM2	0
metagenomics_meal	GCF_002234855.1_ASM	GCF_002234855.1_ASM2	0
metagenomics_meal	GCF_002238275.1_ASM	GCF_002238275.1_ASM2	0
metagenomics_meal	GCF_002238275.1_ASM	GCF_002238275.1_ASM2	0
metagenomics_meal	GCF_002290205.1_ASM	GCF_002290205.1_ASM2	0
metagenomics_meal	GCF_002290205.1_ASM	GCF_002290205.1_ASM2	0
metagenomics_meal	GCF_002313085.1_ASM	GCF_002313085.1_ASM2	10
metagenomics_meal	GCF_002313085.1_ASM	GCF_002313085.1_ASM2	10
metagenomics_meal	GCF_002313105.1_ASM	GCF_002313105.1_ASM2	68
metagenomics_meal	GCF_002313105.1_ASM	GCF_002313105.1_ASM2	68
metagenomics_meal	GCF_002313125.1_ASM	GCF_002313125.1_ASM2	0
metagenomics_meal	GCF_002313125.1_ASM	GCF_002313125.1_ASM2	0
metagenomics_meal	GCF_002386165.1_ASM	GCF_002386165.1_ASM2	0
metagenomics_meal	GCF_002386165.1_ASM	GCF_002386165.1_ASM2	0
metagenomics_meal	GCF_002386325.1_ASM	GCF_002386325.1_ASM2	0
metagenomics_meal	GCF_002386325.1_ASM	GCF_002386325.1_ASM2	0
metagenomics_meal	GCF_002504105.1_ASM	GCF_002504105.1_ASM2	0
metagenomics_meal	GCF_002504105.1_ASM	GCF_002504105.1_ASM2	0
metagenomics_meal	GCF_002504125.1_ASM	GCF_002504125.1_ASM2	0
metagenomics_meal	GCF_002504125.1_ASM	GCF_002504125.1_ASM2	0
metagenomics_meal	GCF_002741865.1_ASM	GCF_002741865.1_ASM2	0
metagenomics_meal	GCF_002741865.1_ASM	GCF_002741865.1_ASM2	0
metagenomics_meal	GCF_002741885.1_ASM	GCF_002741885.1_ASM2	0
metagenomics_meal	GCF_002741885.1_ASM	GCF_002741885.1_ASM2	0
metagenomics_meal	GCF_002741905.1_ASM	GCF_002741905.1_ASM2	0
metagenomics_meal	GCF_002741905.1_ASM	GCF_002741905.1_ASM2	0

metagenomics_meal	GCF_002741925.1_ASM	GCF_002741925.1_ASM2	0
metagenomics_meal	GCF_002741925.1_ASM	GCF_002741925.1_ASM2	0
metagenomics_meal	GCF_002760915.1_ASM	GCF_002760915.1_ASM2	0
metagenomics_meal	GCF_002760915.1_ASM	GCF_002760915.1_ASM2	0
metagenomics_meal	GCF_002760935.1_ASM	GCF_002760935.1_ASM2	0
metagenomics_meal	GCF_002760935.1_ASM	GCF_002760935.1_ASM2	0
metagenomics_meal	GCF_002760955.1_ASM	GCF_002760955.1_ASM2	56
metagenomics_meal	GCF_002760955.1_ASM	GCF_002760955.1_ASM2	56
metagenomics_meal	GCF_002760975.1_ASM	GCF_002760975.1_ASM2	0
metagenomics_meal	GCF_002760975.1_ASM	GCF_002760975.1_ASM2	0
metagenomics_meal	GCF_002760995.1_ASM	GCF_002760995.1_ASM2	0
metagenomics_meal	GCF_002760995.1_ASM	GCF_002760995.1_ASM2	0
metagenomics_meal	GCF_002761015.1_ASM	GCF_002761015.1_ASM2	0
metagenomics_meal	GCF_002761015.1_ASM	GCF_002761015.1_ASM2	0
metagenomics_meal	GCF_002761035.1_ASM	GCF_002761035.1_ASM2	45
metagenomics_meal	GCF_002761035.1_ASM	GCF_002761035.1_ASM2	45
metagenomics_meal	GCF_002761055.1_ASM	GCF_002761055.1_ASM2	0
metagenomics_meal	GCF_002761055.1_ASM	GCF_002761055.1_ASM2	0
metagenomics_meal	GCF_002761075.1_ASM	GCF_002761075.1_ASM2	7
metagenomics_meal	GCF_002761075.1_ASM	GCF_002761075.1_ASM2	7
metagenomics_meal	GCF_002761095.1_ASM	GCF_002761095.1_ASM2	0
metagenomics_meal	GCF_002761095.1_ASM	GCF_002761095.1_ASM2	0
metagenomics_meal	GCF_002761115.1_ASM	GCF_002761115.1_ASM2	0
metagenomics_meal	GCF_002761115.1_ASM	GCF_002761115.1_ASM2	0
metagenomics_meal	GCF_002761135.1_ASM	GCF_002761135.1_ASM2	0
metagenomics_meal	GCF_002761135.1_ASM	GCF_002761135.1_ASM2	0
metagenomics_meal	GCF_002761155.1_ASM	GCF_002761155.1_ASM2	0
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metagenomics_meal	GCF_002761335.1_ASM	GCF_002761335.1_ASM2	0
metagenomics_meal	GCF_002761335.1_ASM	GCF_002761335.1_ASM2	0
metagenomics_meal	GCF_002761355.1_ASM	GCF_002761355.1_ASM2	0
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metagenomics_meal	GCF_002761375.1_ASM	GCF_002761375.1_ASM2	0
metagenomics_meal	GCF_002761375.1_ASM	GCF_002761375.1_ASM2	0
metagenomics_meal	GCF_002761395.1_ASM	GCF_002761395.1_ASM2	0
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metagenomics_meal	GCF_002761415.1_ASM	GCF_002761415.1_ASM2	0
metagenomics_meal	GCF_002761435.1_ASM	GCF_002761435.1_ASM2	0
metagenomics_meal	GCF_002761435.1_ASM	GCF_002761435.1_ASM2	0
metagenomics_meal	GCF_002761455.1_ASM	GCF_002761455.1_ASM2	0
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metagenomics_meal	GCF_002762135.3_ASM	GCF_002762135.3_ASM2	0
metagenomics_meal	GCF_002762135.3_ASM	GCF_002762135.3_ASM2	0
metagenomics_meal	GCF_002763415.1_ASM	GCF_002763415.1_ASM2	0
metagenomics_meal	GCF_002763415.1_ASM	GCF_002763415.1_ASM2	0
metagenomics_meal	GCF_002777175.1_ASM	GCF_002777175.1_ASM2	0
metagenomics_meal	GCF_002777175.1_ASM	GCF_002777175.1_ASM2	0
metagenomics_meal	GCF_002794415.1_ASM	GCF_002794415.1_ASM2	0
metagenomics_meal	GCF_002794415.1_ASM	GCF_002794415.1_ASM2	0
metagenomics_meal	GCF_002813935.1_ASM	GCF_002813935.1_ASM2	0
metagenomics_meal	GCF_002813935.1_ASM	GCF_002813935.1_ASM2	0
metagenomics_meal	GCF_002813975.1_ASM	GCF_002813975.1_ASM2	188
metagenomics_meal	GCF_002813975.1_ASM	GCF_002813975.1_ASM2	188
metagenomics_meal	GCF_002813995.1_ASM	GCF_002813995.1_ASM2	101
metagenomics_meal	GCF_002813995.1_ASM	GCF_002813995.1_ASM2	101
metagenomics_meal	GCF_002863765.1_ASM	GCF_002863765.1_ASM2	0
metagenomics_meal	GCF_002863765.1_ASM	GCF_002863765.1_ASM2	0
metagenomics_meal	GCF_002863785.1_ASM	GCF_002863785.1_ASM2	0
metagenomics_meal	GCF_002863785.1_ASM	GCF_002863785.1_ASM2	0
metagenomics_meal	GCF_002900325.1_ASM	GCF_002900325.1_ASM2	0
metagenomics_meal	GCF_002900325.1_ASM	GCF_002900325.1_ASM2	0
metagenomics_meal	GCF_002946375.1_ASM	GCF_002946375.1_ASM2	0
metagenomics_meal	GCF_002946375.1_ASM	GCF_002946375.1_ASM2	0
metagenomics_meal	GCF_002946675.1_ASM	GCF_002946675.1_ASM2	5
metagenomics_meal	GCF_002946675.1_ASM	GCF_002946675.1_ASM2	5
metagenomics_meal	GCF_002947135.1_ASM	GCF_002947135.1_ASM2	0

metagenomics_meal	GCF_002947135.1_ASM	GCF_002947135.1_ASM2	0
metagenomics_meal	GCF_002952975.1_ASM	GCF_002952975.1_ASM2	0
metagenomics_meal	GCF_002952975.1_ASM	GCF_002952975.1_ASM2	0
metagenomics_meal	GCF_002953175.1_ASM	GCF_002953175.1_ASM2	0
metagenomics_meal	GCF_002953175.1_ASM	GCF_002953175.1_ASM2	0
metagenomics_meal	GCF_002982095.1_ASM	GCF_002982095.1_ASM2	0
metagenomics_meal	GCF_002982095.1_ASM	GCF_002982095.1_ASM2	0
metagenomics_meal	GCF_002983965.1_ASM	GCF_002983965.1_ASM2	0
metagenomics_meal	GCF_002983965.1_ASM	GCF_002983965.1_ASM2	0
metagenomics_meal	GCF_002984035.1_ASM	GCF_002984035.1_ASM2	0
metagenomics_meal	GCF_002984035.1_ASM	GCF_002984035.1_ASM2	0
metagenomics_meal	GCF_002984285.1_ASM	GCF_002984285.1_ASM2	0
metagenomics_meal	GCF_002984285.1_ASM	GCF_002984285.1_ASM2	0
metagenomics_meal	GCF_002999175.1_ASM	GCF_002999175.1_ASM2	0
metagenomics_meal	GCF_002999175.1_ASM	GCF_002999175.1_ASM2	0
metagenomics_meal	GCF_003030105.1_ASM	GCF_003030105.1_ASM3	0
metagenomics_meal	GCF_003030105.1_ASM	GCF_003030105.1_ASM3	0
metagenomics_meal	GCF_003030125.1_ASM	GCF_003030125.1_ASM3	0
metagenomics_meal	GCF_003030125.1_ASM	GCF_003030125.1_ASM3	0
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metagenomics_meal	GCF_003030265.1_ASM	GCF_003030265.1_ASM3	0
metagenomics_meal	GCF_003030285.1_ASM	GCF_003030285.1_ASM3	0
metagenomics_meal	GCF_003030285.1_ASM	GCF_003030285.1_ASM3	0
metagenomics_meal	GCF_003031835.1_ASM	GCF_003031835.1_ASM3	0
metagenomics_meal	GCF_003031835.1_ASM	GCF_003031835.1_ASM3	0
metagenomics_meal	GCF_003031855.1_ASM	GCF_003031855.1_ASM3	0
metagenomics_meal	GCF_003031855.1_ASM	GCF_003031855.1_ASM3	0
metagenomics_meal	GCF_003031875.1_ASM	GCF_003031875.1_ASM3	0
metagenomics_meal	GCF_003031875.1_ASM	GCF_003031875.1_ASM3	0
metagenomics_meal	GCF_003031995.1_ASM	GCF_003031995.1_ASM3	0
metagenomics_meal	GCF_003031995.1_ASM	GCF_003031995.1_ASM3	0
metagenomics_meal	GCF_003032015.1_ASM	GCF_003032015.1_ASM3	0
metagenomics_meal	GCF_003032015.1_ASM	GCF_003032015.1_ASM3	0
metagenomics_meal	GCF_003032035.1_ASM	GCF_003032035.1_ASM3	1843873
metagenomics_meal	GCF_003032035.1_ASM	GCF_003032035.1_ASM3	1843873
metagenomics_meal	GCF_003052785.2_ASM	GCF_003052785.2_ASM3	0
metagenomics_meal	GCF_003052785.2_ASM	GCF_003052785.2_ASM3	0
metagenomics_meal	GCF_003054535.1_ASM	GCF_003054535.1_ASM3	0
metagenomics_meal	GCF_003054535.1_ASM	GCF_003054535.1_ASM3	0
metagenomics_meal	GCF_003071485.1_ASM	GCF_003071485.1_ASM3	0
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metagenomics_meal	GCF_003071545.1_ASM	GCF_003071545.1_ASM3	0
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metagenomics_meal	GCF_003073495.1_ASM	GCF_003073495.1_ASM3	0
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metagenomics_meal	GCF_003073515.1_ASM	GCF_003073515.1_ASM3	0
metagenomics_meal	GCF_003073515.1_ASM	GCF_003073515.1_ASM3	0
metagenomics_meal	GCF_003073535.1_ASM	GCF_003073535.1_ASM3	0
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metagenomics_meal	GCF_003130605.1_ASM	GCF_003130605.1_ASM3	0
metagenomics_meal	GCF_003130605.1_ASM	GCF_003130605.1_ASM3	0
metagenomics_meal	GCF_003177235.1_ASM	GCF_003177235.1_ASM3	0
metagenomics_meal	GCF_003177235.1_ASM	GCF_003177235.1_ASM3	0
metagenomics_meal	GCF_003177255.1_ASM	GCF_003177255.1_ASM3	0
metagenomics_meal	GCF_003177255.1_ASM	GCF_003177255.1_ASM3	0
metagenomics_meal	GCF_003181075.1_ASM	GCF_003181075.1_ASM3	0
metagenomics_meal	GCF_003181075.1_ASM	GCF_003181075.1_ASM3	0
metagenomics_meal	GCF_003181155.1_ASM	GCF_003181155.1_ASM3	0
metagenomics_meal	GCF_003181155.1_ASM	GCF_003181155.1_ASM3	0
metagenomics_meal	GCF_003184325.1_ASM	GCF_003184325.1_ASM3	0
metagenomics_meal	GCF_003184325.1_ASM	GCF_003184325.1_ASM3	0
metagenomics_meal	GCF_003184425.1_ASM	GCF_003184425.1_ASM3	0
metagenomics_meal	GCF_003184425.1_ASM	GCF_003184425.1_ASM3	0
metagenomics_meal	GCF_003194225.1_ASM	GCF_003194225.1_ASM3	411
metagenomics_meal	GCF_003194225.1_ASM	GCF_003194225.1_ASM3	411

metagenomics_meal	GCF_003231095.1_ASM	GCF_003231095.1_ASM3	0
metagenomics_meal	GCF_003231095.1_ASM	GCF_003231095.1_ASM3	0
metagenomics_meal	GCF_003296145.1_ASM	GCF_003296145.1_ASM3	0
metagenomics_meal	GCF_003296145.1_ASM	GCF_003296145.1_ASM3	0
metagenomics_meal	GCF_003312565.1_ASM	GCF_003312565.1_ASM3	6
metagenomics_meal	GCF_003312565.1_ASM	GCF_003312565.1_ASM3	6
metagenomics_meal	GCF_003324775.1_ASM	GCF_003324775.1_ASM3	0
metagenomics_meal	GCF_003324775.1_ASM	GCF_003324775.1_ASM3	0
metagenomics_meal	GCF_003324795.1_ASM	GCF_003324795.1_ASM3	0
metagenomics_meal	GCF_003324795.1_ASM	GCF_003324795.1_ASM3	0
metagenomics_meal	GCF_003324815.1_ASM	GCF_003324815.1_ASM3	0
metagenomics_meal	GCF_003324815.1_ASM	GCF_003324815.1_ASM3	0
metagenomics_meal	GCF_003324835.1_ASM	GCF_003324835.1_ASM3	0
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metagenomics_meal	GCF_003324855.1_ASM	GCF_003324855.1_ASM3	0
metagenomics_meal	GCF_003324855.1_ASM	GCF_003324855.1_ASM3	0
metagenomics_meal	GCF_003324875.1_ASM	GCF_003324875.1_ASM3	0
metagenomics_meal	GCF_003324875.1_ASM	GCF_003324875.1_ASM3	0
metagenomics_meal	GCF_003324915.1_ASM	GCF_003324915.1_ASM3	0
metagenomics_meal	GCF_003324915.1_ASM	GCF_003324915.1_ASM3	0
metagenomics_meal	GCF_003324935.1_ASM	GCF_003324935.1_ASM3	0
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metagenomics_meal	GCF_003324955.1_ASM	GCF_003324955.1_ASM3	0
metagenomics_meal	GCF_003324955.1_ASM	GCF_003324955.1_ASM3	0
metagenomics_meal	GCF_003324975.1_ASM	GCF_003324975.1_ASM3	0
metagenomics_meal	GCF_003324975.1_ASM	GCF_003324975.1_ASM3	0
metagenomics_meal	GCF_003324995.1_ASM	GCF_003324995.1_ASM3	0
metagenomics_meal	GCF_003324995.1_ASM	GCF_003324995.1_ASM3	0
metagenomics_meal	GCF_003325015.1_ASM	GCF_003325015.1_ASM3	0
metagenomics_meal	GCF_003325015.1_ASM	GCF_003325015.1_ASM3	0
metagenomics_meal	GCF_003325035.1_ASM	GCF_003325035.1_ASM3	0
metagenomics_meal	GCF_003325035.1_ASM	GCF_003325035.1_ASM3	0
metagenomics_meal	GCF_003325055.1_ASM	GCF_003325055.1_ASM3	0
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metagenomics_meal	GCF_003994575.1_ASM	GCF_003994575.1_ASM3	0
metagenomics_meal	GCF_003994575.1_ASM	GCF_003994575.1_ASM3	0

metagenomics_meal	GCF_003994595.1_ASM	GCF_003994595.1_ASM3	0
metagenomics_meal	GCF_003994595.1_ASM	GCF_003994595.1_ASM3	0
metagenomics_meal	GCF_003994615.1_ASM	GCF_003994615.1_ASM3	0
metagenomics_meal	GCF_003994615.1_ASM	GCF_003994615.1_ASM3	0
metagenomics_meal	GCF_003994635.1_ASM	GCF_003994635.1_ASM3	0
metagenomics_meal	GCF_003994635.1_ASM	GCF_003994635.1_ASM3	0
metagenomics_meal	GCF_003994655.1_ASM	GCF_003994655.1_ASM3	0
metagenomics_meal	GCF_003994655.1_ASM	GCF_003994655.1_ASM3	0
metagenomics_meal	GCF_003994675.1_ASM	GCF_003994675.1_ASM3	0
metagenomics_meal	GCF_003994675.1_ASM	GCF_003994675.1_ASM3	0
metagenomics_meal	GCF_003994695.1_ASM	GCF_003994695.1_ASM3	0
metagenomics_meal	GCF_003994695.1_ASM	GCF_003994695.1_ASM3	0
metagenomics_meal	GCF_003994715.1_ASM	GCF_003994715.1_ASM3	0
metagenomics_meal	GCF_003994715.1_ASM	GCF_003994715.1_ASM3	0
metagenomics_meal	GCF_003994735.1_ASM	GCF_003994735.1_ASM3	0
metagenomics_meal	GCF_003994735.1_ASM	GCF_003994735.1_ASM3	0
metagenomics_meal	GCF_003994755.1_ASM	GCF_003994755.1_ASM3	0
metagenomics_meal	GCF_003994755.1_ASM	GCF_003994755.1_ASM3	0
metagenomics_meal	GCF_003994815.1_ASM	GCF_003994815.1_ASM3	0
metagenomics_meal	GCF_003994815.1_ASM	GCF_003994815.1_ASM3	0
metagenomics_meal	GCF_003999215.1_ASM	GCF_003999215.1_ASM3	0
metagenomics_meal	GCF_003999215.1_ASM	GCF_003999215.1_ASM3	0
metagenomics_meal	GCF_004010735.1_ASM	GCF_004010735.1_ASM4	0
metagenomics_meal	GCF_004010735.1_ASM	GCF_004010735.1_ASM4	0
metagenomics_meal	GCF_004010755.1_ASM	GCF_004010755.1_ASM4	0
metagenomics_meal	GCF_004010755.1_ASM	GCF_004010755.1_ASM4	0
metagenomics_meal	GCF_004022525.1_ASM	GCF_004022525.1_ASM4	0
metagenomics_meal	GCF_004022525.1_ASM	GCF_004022525.1_ASM4	0
metagenomics_meal	GCF_004124035.2_ASM	GCF_004124035.2_ASM4	0
metagenomics_meal	GCF_004124035.2_ASM	GCF_004124035.2_ASM4	0
metagenomics_meal	GCF_004124055.2_ASM	GCF_004124055.2_ASM4	0
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metagenomics_meal	GCF_004124095.2_ASM	GCF_004124095.2_ASM4	0
metagenomics_meal	GCF_004124095.2_ASM	GCF_004124095.2_ASM4	0
metagenomics_meal	GCF_004124155.2_ASM	GCF_004124155.2_ASM4	0
metagenomics_meal	GCF_004124155.2_ASM	GCF_004124155.2_ASM4	0
metagenomics_meal	GCF_004124175.2_ASM	GCF_004124175.2_ASM4	0
metagenomics_meal	GCF_004124175.2_ASM	GCF_004124175.2_ASM4	0
metagenomics_meal	GCF_004124195.2_ASM	GCF_004124195.2_ASM4	0
metagenomics_meal	GCF_004124195.2_ASM	GCF_004124195.2_ASM4	0
metagenomics_meal	GCF_004124215.2_ASM	GCF_004124215.2_ASM4	0
metagenomics_meal	GCF_004124215.2_ASM	GCF_004124215.2_ASM4	0
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metagenomics_meal	GCF_004126495.1_ASM	GCF_004126495.1_ASM4	0
metagenomics_meal	GCF_004135835.1_ASM	GCF_004135835.1_ASM4	3
metagenomics_meal	GCF_004135835.1_ASM	GCF_004135835.1_ASM4	3
metagenomics_meal	GCF_004136035.1_ASM	GCF_004136035.1_ASM4	0
metagenomics_meal	GCF_004136035.1_ASM	GCF_004136035.1_ASM4	0
metagenomics_meal	GCF_004136055.1_ASM	GCF_004136055.1_ASM4	0
metagenomics_meal	GCF_004136055.1_ASM	GCF_004136055.1_ASM4	0
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metagenomics_meal	GCF_004136095.1_ASM	GCF_004136095.1_ASM4	0
metagenomics_meal	GCF_004136095.1_ASM	GCF_004136095.1_ASM4	0
metagenomics_meal	GCF_004136115.1_ASM	GCF_004136115.1_ASM4	0
metagenomics_meal	GCF_004136115.1_ASM	GCF_004136115.1_ASM4	0
metagenomics_meal	GCF_004136135.1_ASM	GCF_004136135.1_ASM4	0
metagenomics_meal	GCF_004136135.1_ASM	GCF_004136135.1_ASM4	0
metagenomics_meal	GCF_004136155.1_ASM	GCF_004136155.1_ASM4	0
metagenomics_meal	GCF_004136155.1_ASM	GCF_004136155.1_ASM4	0
metagenomics_meal	GCF_004136175.1_ASM	GCF_004136175.1_ASM4	0
metagenomics_meal	GCF_004136175.1_ASM	GCF_004136175.1_ASM4	0
metagenomics_meal	GCF_004136335.1_ASM	GCF_004136335.1_ASM4	0
metagenomics_meal	GCF_004136335.1_ASM	GCF_004136335.1_ASM4	0
metagenomics_meal	GCF_004194605.3_ASM	GCF_004194605.3_ASM4	0
metagenomics_meal	GCF_004194605.3_ASM	GCF_004194605.3_ASM4	0
metagenomics_meal	GCF_004194615.2_ASM	GCF_004194615.2_ASM4	589
metagenomics_meal	GCF_004194615.2_ASM	GCF_004194615.2_ASM4	589
metagenomics_meal	GCF_004194625.2_ASM	GCF_004194625.2_ASM4	0
metagenomics_meal	GCF_004194625.2_ASM	GCF_004194625.2_ASM4	0
metagenomics_meal	GCF_004194635.3_ASM	GCF_004194635.3_ASM4	0

metagenomics_meal	GCF_004194635.3_ASM	GCF_004194635.3_ASM4	0
metagenomics_meal	GCF_004224885.1_ASM	GCF_004224885.1_ASM4	0
metagenomics_meal	GCF_004224885.1_ASM	GCF_004224885.1_ASM4	0
metagenomics_meal	GCF_004328765.1_ASM	GCF_004328765.1_ASM4	0
metagenomics_meal	GCF_004328765.1_ASM	GCF_004328765.1_ASM4	0
metagenomics_meal	GCF_004328785.1_ASM	GCF_004328785.1_ASM4	0
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metagenomics_meal	GCF_004328805.1_ASM	GCF_004328805.1_ASM4	0
metagenomics_meal	GCF_004328805.1_ASM	GCF_004328805.1_ASM4	0
metagenomics_meal	GCF_004328825.1_ASM	GCF_004328825.1_ASM4	0
metagenomics_meal	GCF_004328825.1_ASM	GCF_004328825.1_ASM4	0
metagenomics_meal	GCF_004354225.1_ASM	GCF_004354225.1_ASM4	0
metagenomics_meal	GCF_004354225.1_ASM	GCF_004354225.1_ASM4	0
metagenomics_meal	GCF_004354245.1_ASM	GCF_004354245.1_ASM4	0
metagenomics_meal	GCF_004354245.1_ASM	GCF_004354245.1_ASM4	0
metagenomics_meal	GCF_004354285.1_ASM	GCF_004354285.1_ASM4	0
metagenomics_meal	GCF_004354285.1_ASM	GCF_004354285.1_ASM4	0
metagenomics_meal	GCF_004358925.1_ASM	GCF_004358925.1_ASM4	0
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metagenomics_meal	GCF_004564195.1_ASM	GCF_004564195.1_ASM4	0
metagenomics_meal	GCF_004564195.1_ASM	GCF_004564195.1_ASM4	0
metagenomics_meal	GCF_004768565.1_ASM	GCF_004768565.1_ASM4	0
metagenomics_meal	GCF_004768565.1_ASM	GCF_004768565.1_ASM4	0
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metagenomics_meal	GCF_004768605.1_ASM	GCF_004768605.1_ASM4	0
metagenomics_meal	GCF_004768605.1_ASM	GCF_004768605.1_ASM4	0
metagenomics_meal	GCF_004768625.1_ASM	GCF_004768625.1_ASM4	0
metagenomics_meal	GCF_004768625.1_ASM	GCF_004768625.1_ASM4	0
metagenomics_meal	GCF_004768645.1_ASM	GCF_004768645.1_ASM4	0
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metagenomics_meal	GCF_004768665.1_ASM	GCF_004768665.1_ASM4	0
metagenomics_meal	GCF_004768665.1_ASM	GCF_004768665.1_ASM4	0
metagenomics_meal	GCF_004792435.1_ASM	GCF_004792435.1_ASM4	0
metagenomics_meal	GCF_004792435.1_ASM	GCF_004792435.1_ASM4	0
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metagenomics_meal	GCF_004798765.1_ASM	GCF_004798765.1_ASM4	369
metagenomics_meal	GCF_004798765.1_ASM	GCF_004798765.1_ASM4	369
metagenomics_meal	GCF_004798785.1_ASM	GCF_004798785.1_ASM4	952
metagenomics_meal	GCF_004798785.1_ASM	GCF_004798785.1_ASM4	952
metagenomics_meal	GCF_004847005.1_ASM	GCF_004847005.1_ASM4	0
metagenomics_meal	GCF_004847005.1_ASM	GCF_004847005.1_ASM4	0
metagenomics_meal	GCF_004847145.1_ASM	GCF_004847145.1_ASM4	0
metagenomics_meal	GCF_004847145.1_ASM	GCF_004847145.1_ASM4	0
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metagenomics_meal	GCF_004847525.1_ASM	GCF_004847525.1_ASM4	0
metagenomics_meal	GCF_004847525.1_ASM	GCF_004847525.1_ASM4	0
metagenomics_meal	GCF_004847545.1_ASM	GCF_004847545.1_ASM4	0
metagenomics_meal	GCF_004847545.1_ASM	GCF_004847545.1_ASM4	0
metagenomics_meal	GCF_004847565.1_ASM	GCF_004847565.1_ASM4	0
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metagenomics_meal	GCF_004848145.1_ASM	GCF_004848145.1_ASM4	0
metagenomics_meal	GCF_004848405.1_ASM	GCF_004848405.1_ASM4	0
metagenomics_meal	GCF_004848405.1_ASM	GCF_004848405.1_ASM4	0

metagenomics_meal	GCF_004848545.1_ASM	GCF_004848545.1_ASM4	0
metagenomics_meal	GCF_004848545.1_ASM	GCF_004848545.1_ASM4	0
metagenomics_meal	GCF_004848685.1_ASM	GCF_004848685.1_ASM4	0
metagenomics_meal	GCF_004848685.1_ASM	GCF_004848685.1_ASM4	0
metagenomics_meal	GCF_004848885.1_ASM	GCF_004848885.1_ASM4	0
metagenomics_meal	GCF_004848885.1_ASM	GCF_004848885.1_ASM4	0
metagenomics_meal	GCF_004919145.1_ASM	GCF_004919145.1_ASM4	0
metagenomics_meal	GCF_004919145.1_ASM	GCF_004919145.1_ASM4	0
metagenomics_meal	GCF_004919165.1_ASM	GCF_004919165.1_ASM4	0
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metagenomics_meal	GCF_004919185.1_ASM	GCF_004919185.1_ASM4	0
metagenomics_meal	GCF_004919185.1_ASM	GCF_004919185.1_ASM4	0
metagenomics_meal	GCF_004919205.1_ASM	GCF_004919205.1_ASM4	0
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metagenomics_meal	GCF_004919245.1_ASM	GCF_004919245.1_ASM4	0
metagenomics_meal	GCF_004919245.1_ASM	GCF_004919245.1_ASM4	0
metagenomics_meal	GCF_004919265.1_ASM	GCF_004919265.1_ASM4	0
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metagenomics_meal	GCF_004919305.1_ASM	GCF_004919305.1_ASM4	0
metagenomics_meal	GCF_004919305.1_ASM	GCF_004919305.1_ASM4	0
metagenomics_meal	GCF_004919325.1_ASM	GCF_004919325.1_ASM4	0
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metagenomics_meal	GCF_004919365.1_ASM	GCF_004919365.1_ASM4	0
metagenomics_meal	GCF_004919365.1_ASM	GCF_004919365.1_ASM4	0
metagenomics_meal	GCF_004919385.1_ASM	GCF_004919385.1_ASM4	0
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metagenomics_meal	GCF_004919445.1_ASM	GCF_004919445.1_ASM4	0
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metagenomics_meal	GCF_004923395.1_ASM	GCF_004923395.1_ASM4	0
metagenomics_meal	GCF_004923395.1_ASM	GCF_004923395.1_ASM4	0
metagenomics_meal	GCF_004923415.2_ASM	GCF_004923415.2_ASM4	0
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metagenomics_meal	GCF_005094845.1_ASM	GCF_005094845.1_ASM5	0
metagenomics_meal	GCF_005094845.1_ASM	GCF_005094845.1_ASM5	0
metagenomics_meal	GCF_005144925.1_ASM	GCF_005144925.1_ASM5	0
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metagenomics_meal	GCF_005160365.1_ASM	GCF_005160365.1_ASM5	0
metagenomics_meal	GCF_005160365.1_ASM	GCF_005160365.1_ASM5	0
metagenomics_meal	GCF_005160385.1_ASM	GCF_005160385.1_ASM5	318
metagenomics_meal	GCF_005160385.1_ASM	GCF_005160385.1_ASM5	318
metagenomics_meal	GCF_005160405.1_ASM	GCF_005160405.1_ASM5	1034
metagenomics_meal	GCF_005160405.1_ASM	GCF_005160405.1_ASM5	1034
metagenomics_meal	GCF_005166225.1_ASM	GCF_005166225.1_ASM5	0
metagenomics_meal	GCF_005166225.1_ASM	GCF_005166225.1_ASM5	0
metagenomics_meal	GCF_005221485.1_ASM	GCF_005221485.1_ASM5	0
metagenomics_meal	GCF_005221485.1_ASM	GCF_005221485.1_ASM5	0
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metagenomics_meal	GCF_005457265.1_ASM	GCF_005457265.1_ASM5	0
metagenomics_meal	GCF_005457265.1_ASM	GCF_005457265.1_ASM5	0
metagenomics_meal	GCF_005537135.1_ASM	GCF_005537135.1_ASM5	0
metagenomics_meal	GCF_005537135.1_ASM	GCF_005537135.1_ASM5	0
metagenomics_meal	GCF_005537375.1_ASM	GCF_005537375.1_ASM5	0

metagenomics_meal	GCF_005537375.1_ASM	GCF_005537375.1_ASM5	0
metagenomics_meal	GCF_005576575.1_ASM	GCF_005576575.1_ASM5	0
metagenomics_meal	GCF_005576575.1_ASM	GCF_005576575.1_ASM5	0
metagenomics_meal	GCF_005576595.1_ASM	GCF_005576595.1_ASM5	0
metagenomics_meal	GCF_005576595.1_ASM	GCF_005576595.1_ASM5	0
metagenomics_meal	GCF_005844025.1_ASM	GCF_005844025.1_ASM5	0
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metagenomics_meal	GCF_005885855.1_ASM	GCF_005885855.1_ASM5	0
metagenomics_meal	GCF_005885855.1_ASM	GCF_005885855.1_ASM5	0
metagenomics_meal	GCF_005885875.1_ASM	GCF_005885875.1_ASM5	0
metagenomics_meal	GCF_005885875.1_ASM	GCF_005885875.1_ASM5	0
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metagenomics_meal	GCF_005885935.1_ASM	GCF_005885935.1_ASM5	0
metagenomics_meal	GCF_005885935.1_ASM	GCF_005885935.1_ASM5	0
metagenomics_meal	GCF_005889955.1_ASM	GCF_005889955.1_ASM5	0
metagenomics_meal	GCF_005889955.1_ASM	GCF_005889955.1_ASM5	0
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metagenomics_meal	GCF_005890175.1_ASM	GCF_005890175.1_ASM5	0
metagenomics_meal	GCF_005890175.1_ASM	GCF_005890175.1_ASM5	0
metagenomics_meal	GCF_005930995.1_ASM	GCF_005930995.1_ASM5	0
metagenomics_meal	GCF_005930995.1_ASM	GCF_005930995.1_ASM5	0
metagenomics_meal	GCF_005954705.1_ASM	GCF_005954705.1_ASM5	0
metagenomics_meal	GCF_005954705.1_ASM	GCF_005954705.1_ASM5	0
metagenomics_meal	GCF_006088735.1_ASM	GCF_006088735.1_ASM6	0
metagenomics_meal	GCF_006088735.1_ASM	GCF_006088735.1_ASM6	0
metagenomics_meal	GCF_006165105.1_ASM	GCF_006165105.1_ASM6	0
metagenomics_meal	GCF_006165105.1_ASM	GCF_006165105.1_ASM6	0
metagenomics_meal	GCF_006165125.1_ASM	GCF_006165125.1_ASM6	0
metagenomics_meal	GCF_006165125.1_ASM	GCF_006165125.1_ASM6	0
metagenomics_meal	GCF_006165145.1_ASM	GCF_006165145.1_ASM6	0
metagenomics_meal	GCF_006165145.1_ASM	GCF_006165145.1_ASM6	0
metagenomics_meal	GCF_006165165.1_ASM	GCF_006165165.1_ASM6	0
metagenomics_meal	GCF_006165165.1_ASM	GCF_006165165.1_ASM6	0
metagenomics_meal	GCF_006165185.1_ASM	GCF_006165185.1_ASM6	0
metagenomics_meal	GCF_006165185.1_ASM	GCF_006165185.1_ASM6	0
metagenomics_meal	GCF_006165205.1_ASM	GCF_006165205.1_ASM6	0
metagenomics_meal	GCF_006165205.1_ASM	GCF_006165205.1_ASM6	0
metagenomics_meal	GCF_006165225.1_ASM	GCF_006165225.1_ASM6	0
metagenomics_meal	GCF_006165225.1_ASM	GCF_006165225.1_ASM6	0
metagenomics_meal	GCF_006165245.1_ASM	GCF_006165245.1_ASM6	0
metagenomics_meal	GCF_006165245.1_ASM	GCF_006165245.1_ASM6	0
metagenomics_meal	GCF_006165265.1_ASM	GCF_006165265.1_ASM6	0
metagenomics_meal	GCF_006165265.1_ASM	GCF_006165265.1_ASM6	0
metagenomics_meal	GCF_006165285.1_ASM	GCF_006165285.1_ASM6	0
metagenomics_meal	GCF_006165285.1_ASM	GCF_006165285.1_ASM6	0
metagenomics_meal	GCF_006228345.1_ASM	GCF_006228345.1_ASM6	0
metagenomics_meal	GCF_006228345.1_ASM	GCF_006228345.1_ASM6	0
metagenomics_meal	GCF_006351805.1_ASM	GCF_006351805.1_ASM6	0
metagenomics_meal	GCF_006351805.1_ASM	GCF_006351805.1_ASM6	0
metagenomics_meal	GCF_006364755.1_ASM	GCF_006364755.1_ASM6	0
metagenomics_meal	GCF_006364755.1_ASM	GCF_006364755.1_ASM6	0
metagenomics_meal	GCF_006365335.1_ASM	GCF_006365335.1_ASM6	0
metagenomics_meal	GCF_006365335.1_ASM	GCF_006365335.1_ASM6	0
metagenomics_meal	GCF_006384195.1_ASM	GCF_006384195.1_ASM6	0
metagenomics_meal	GCF_006384195.1_ASM	GCF_006384195.1_ASM6	0
metagenomics_meal	GCF_006384995.1_ASM	GCF_006384995.1_ASM6	0
metagenomics_meal	GCF_006384995.1_ASM	GCF_006384995.1_ASM6	0
metagenomics_meal	GCF_006385115.1_ASM	GCF_006385115.1_ASM6	0
metagenomics_meal	GCF_006385115.1_ASM	GCF_006385115.1_ASM6	0
metagenomics_meal	GCF_006402875.1_ASM	GCF_006402875.1_ASM6	0
metagenomics_meal	GCF_006402875.1_ASM	GCF_006402875.1_ASM6	0
metagenomics_meal	GCF_006516995.1_ASM	GCF_006516995.1_ASM6	0
metagenomics_meal	GCF_006516995.1_ASM	GCF_006516995.1_ASM6	0
metagenomics_meal	GCF_006517015.1_ASM	GCF_006517015.1_ASM6	387
metagenomics_meal	GCF_006517015.1_ASM	GCF_006517015.1_ASM6	387

metagenomics_meal	GCF_006517035.1_ASM	GCF_006517035.1_ASM6	0
metagenomics_meal	GCF_006517035.1_ASM	GCF_006517035.1_ASM6	0
metagenomics_meal	GCF_006517055.1_ASM	GCF_006517055.1_ASM6	16
metagenomics_meal	GCF_006517055.1_ASM	GCF_006517055.1_ASM6	16
metagenomics_meal	GCF_006517075.1_ASM	GCF_006517075.1_ASM6	0
metagenomics_meal	GCF_006517075.1_ASM	GCF_006517075.1_ASM6	0
metagenomics_meal	GCF_006517135.1_ASM	GCF_006517135.1_ASM6	0
metagenomics_meal	GCF_006517135.1_ASM	GCF_006517135.1_ASM6	0
metagenomics_meal	GCF_006517155.1_ASM	GCF_006517155.1_ASM6	0
metagenomics_meal	GCF_006517155.1_ASM	GCF_006517155.1_ASM6	0
metagenomics_meal	GCF_006740725.1_ASM	GCF_006740725.1_ASM6	0
metagenomics_meal	GCF_006740725.1_ASM	GCF_006740725.1_ASM6	0
metagenomics_meal	GCF_006741505.1_ASM	GCF_006741505.1_ASM6	0
metagenomics_meal	GCF_006741505.1_ASM	GCF_006741505.1_ASM6	0
metagenomics_meal	GCF_006874805.1_ASM	GCF_006874805.1_ASM6	0
metagenomics_meal	GCF_006874805.1_ASM	GCF_006874805.1_ASM6	0
metagenomics_meal	GCF_006969245.1_ASM	GCF_006969245.1_ASM6	0
metagenomics_meal	GCF_006969245.1_ASM	GCF_006969245.1_ASM6	0
metagenomics_meal	GCF_007431545.1_ASM	GCF_007431545.1_ASM7	0
metagenomics_meal	GCF_007431545.1_ASM	GCF_007431545.1_ASM7	0
metagenomics_meal	GCF_007833775.1_ASM	GCF_007833775.1_ASM7	0
metagenomics_meal	GCF_007833775.1_ASM	GCF_007833775.1_ASM7	0
metagenomics_meal	GCF_007923125.1_ASM	GCF_007923125.1_ASM7	0
metagenomics_meal	GCF_007923125.1_ASM	GCF_007923125.1_ASM7	0
metagenomics_meal	GCF_008124065.1_ASM	GCF_008124065.1_ASM8	0
metagenomics_meal	GCF_008124065.1_ASM	GCF_008124065.1_ASM8	0
metagenomics_meal	GCF_008124445.1_ASM	GCF_008124445.1_ASM8	0
metagenomics_meal	GCF_008124445.1_ASM	GCF_008124445.1_ASM8	0
metagenomics_meal	GCF_008244785.1_ASM	GCF_008244785.1_ASM8	0
metagenomics_meal	GCF_008244785.1_ASM	GCF_008244785.1_ASM8	0
metagenomics_meal	GCF_008244805.1_ASM	GCF_008244805.1_ASM8	0
metagenomics_meal	GCF_008244805.1_ASM	GCF_008244805.1_ASM8	0
metagenomics_meal	GCF_008244825.1_ASM	GCF_008244825.1_ASM8	0
metagenomics_meal	GCF_008244825.1_ASM	GCF_008244825.1_ASM8	0
metagenomics_meal	GCF_008244845.1_ASM	GCF_008244845.1_ASM8	0
metagenomics_meal	GCF_008244845.1_ASM	GCF_008244845.1_ASM8	0
metagenomics_meal	GCF_008313815.1_ASM	GCF_008313815.1_ASM8	5913
metagenomics_meal	GCF_008313815.1_ASM	GCF_008313815.1_ASM8	5913
metagenomics_meal	GCF_008330205.1_ASM	GCF_008330205.1_ASM8	0
metagenomics_meal	GCF_008330205.1_ASM	GCF_008330205.1_ASM8	0
metagenomics_meal	GCF_008386295.1_ASM	GCF_008386295.1_ASM8	0
metagenomics_meal	GCF_008386295.1_ASM	GCF_008386295.1_ASM8	0
metagenomics_meal	GCF_008727535.1_ASM	GCF_008727535.1_ASM8	0
metagenomics_meal	GCF_008727535.1_ASM	GCF_008727535.1_ASM8	0
metagenomics_meal	GCF_008727555.1_ASM	GCF_008727555.1_ASM8	0
metagenomics_meal	GCF_008727555.1_ASM	GCF_008727555.1_ASM8	0
metagenomics_meal	GCF_008727575.1_ASM	GCF_008727575.1_ASM8	0
metagenomics_meal	GCF_008727575.1_ASM	GCF_008727575.1_ASM8	0
metagenomics_meal	GCF_008727595.1_ASM	GCF_008727595.1_ASM8	0
metagenomics_meal	GCF_008727595.1_ASM	GCF_008727595.1_ASM8	0
metagenomics_meal	GCF_008727615.1_ASM	GCF_008727615.1_ASM8	0
metagenomics_meal	GCF_008727615.1_ASM	GCF_008727615.1_ASM8	0
metagenomics_meal	GCF_008727635.1_ASM	GCF_008727635.1_ASM8	0
metagenomics_meal	GCF_008727635.1_ASM	GCF_008727635.1_ASM8	0
metagenomics_meal	GCF_008727655.1_ASM	GCF_008727655.1_ASM8	0
metagenomics_meal	GCF_008727655.1_ASM	GCF_008727655.1_ASM8	0
metagenomics_meal	GCF_008728495.1_ASM	GCF_008728495.1_ASM8	0
metagenomics_meal	GCF_008728495.1_ASM	GCF_008728495.1_ASM8	0
metagenomics_meal	GCF_008807355.1_ASM	GCF_008807355.1_ASM8	0
metagenomics_meal	GCF_008807355.1_ASM	GCF_008807355.1_ASM8	0
metagenomics_meal	GCF_008931225.1_ASM	GCF_008931225.1_ASM8	0
metagenomics_meal	GCF_008931225.1_ASM	GCF_008931225.1_ASM8	0
metagenomics_meal	GCF_008931245.1_ASM	GCF_008931245.1_ASM8	0
metagenomics_meal	GCF_008931245.1_ASM	GCF_008931245.1_ASM8	0
metagenomics_meal	GCF_009017295.1_ASM	GCF_009017295.1_ASM9	0
metagenomics_meal	GCF_009017295.1_ASM	GCF_009017295.1_ASM9	0
metagenomics_meal	GCF_009017315.1_ASM	GCF_009017315.1_ASM9	0
metagenomics_meal	GCF_009017315.1_ASM	GCF_009017315.1_ASM9	0
metagenomics_meal	GCF_009017335.1_ASM	GCF_009017335.1_ASM9	0
metagenomics_meal	GCF_009017335.1_ASM	GCF_009017335.1_ASM9	0
metagenomics_meal	GCF_009184685.1_ASM	GCF_009184685.1_ASM9	0

metagenomics_meal	GCF_009184685.1_ASM	GCF_009184685.1_ASM9	0
metagenomics_meal	GCF_900086565.1_3964	GCF_900086565.1_39641	0
metagenomics_meal	GCF_900086565.1_3964	GCF_900086565.1_39641	0
metagenomics_meal	GCF_900166885.1_3967	GCF_900166885.1_39674	0
metagenomics_meal	GCF_900166885.1_3967	GCF_900166885.1_39674	0
metagenomics_meal	GCF_900184385.1_STM	GCF_900184385.1_STMU	0
metagenomics_meal	GCF_900184385.1_STM	GCF_900184385.1_STMU	0
metagenomics_meal	GCF_900185485.1_BL6(	GCF_900185485.1_BL60(	0
metagenomics_meal	GCF_900185485.1_BL6(	GCF_900185485.1_BL60(	0
metagenomics_meal	GCF_900205255.1_1554	GCF_900205255.1_1554_	0
metagenomics_meal	GCF_900205255.1_1554	GCF_900205255.1_1554_	0
metagenomics_meal	GCF_900205265.1_lupe	GCF_900205265.1_lupe_	0
metagenomics_meal	GCF_900205265.1_lupe	GCF_900205265.1_lupe_	0
metagenomics_meal	GCF_900205275.1_4031	GCF_900205275.1_403Ty	0
metagenomics_meal	GCF_900205275.1_4031	GCF_900205275.1_403Ty	0
metagenomics_meal	GCF_900205295.1_E98-	GCF_900205295.1_E98-3	0
metagenomics_meal	GCF_900205295.1_E98-	GCF_900205295.1_E98-3	0
metagenomics_meal	GCF_900475825.1_4669	GCF_900475825.1_46693	0
metagenomics_meal	GCF_900475825.1_4669	GCF_900475825.1_46693	0
metagenomics_meal	GCF_900475895.1_4797	GCF_900475895.1_47972	0
metagenomics_meal	GCF_900475895.1_4797	GCF_900475895.1_47972	0
metagenomics_meal	GCF_900475965.1_4669	GCF_900475965.1_46693	0
metagenomics_meal	GCF_900475965.1_4669	GCF_900475965.1_46693	0
metagenomics_meal	GCF_900477885.1_4680	GCF_900477885.1_46801	0
metagenomics_meal	GCF_900477885.1_4680	GCF_900477885.1_46801	0
metagenomics_meal	GCF_900477895.1_4702	GCF_900477895.1_47022	0
metagenomics_meal	GCF_900477895.1_4702	GCF_900477895.1_47022	0
metagenomics_meal	GCF_900477905.1_4698	GCF_900477905.1_46983	0
metagenomics_meal	GCF_900477905.1_4698	GCF_900477905.1_46983	0
metagenomics_meal	GCF_900477925.1_4680	GCF_900477925.1_46801	0
metagenomics_meal	GCF_900477925.1_4680	GCF_900477925.1_46801	0
metagenomics_meal	GCF_900477985.1_4729	GCF_900477985.1_47297	0
metagenomics_meal	GCF_900477985.1_4729	GCF_900477985.1_47297	0
metagenomics_meal	GCF_900477995.1_4693	GCF_900477995.1_46931	0
metagenomics_meal	GCF_900477995.1_4693	GCF_900477995.1_46931	0
metagenomics_meal	GCF_900478065.1_5068	GCF_900478065.1_50681	0
metagenomics_meal	GCF_900478065.1_5068	GCF_900478065.1_50681	0
metagenomics_meal	GCF_900478155.1_4732	GCF_900478155.1_47328	0
metagenomics_meal	GCF_900478155.1_4732	GCF_900478155.1_47328	0
metagenomics_meal	GCF_900478195.1_4729	GCF_900478195.1_47297	0
metagenomics_meal	GCF_900478195.1_4729	GCF_900478195.1_47297	0
metagenomics_meal	GCF_900478205.1_4938	GCF_900478205.1_49386	0
metagenomics_meal	GCF_900478205.1_4938	GCF_900478205.1_49386	0
metagenomics_meal	GCF_900478215.1_4732	GCF_900478215.1_47328	0
metagenomics_meal	GCF_900478215.1_4732	GCF_900478215.1_47328	0
metagenomics_meal	GCF_900478225.1_4732	GCF_900478225.1_47328	0
metagenomics_meal	GCF_900478225.1_4732	GCF_900478225.1_47328	0
metagenomics_meal	GCF_900478235.1_4995	GCF_900478235.1_49950	0
metagenomics_meal	GCF_900478235.1_4995	GCF_900478235.1_49950	0
metagenomics_meal	GCF_900478375.1_3143	GCF_900478375.1_31436	0
metagenomics_meal	GCF_900478375.1_3143	GCF_900478375.1_31436	0
metagenomics_meal	GCF_900478385.1_2975	GCF_900478385.1_29751	0
metagenomics_meal	GCF_900478385.1_2975	GCF_900478385.1_29751	0
metagenomics_meal	GCF_900478405.1_3566	GCF_900478405.1_35661	0
metagenomics_meal	GCF_900478405.1_3566	GCF_900478405.1_35661	0
metagenomics_meal	GCF_900478435.1_3170	GCF_900478435.1_31701	0
metagenomics_meal	GCF_900478435.1_3170	GCF_900478435.1_31701	0
metagenomics_meal	GCF_900538085.1_D23!	GCF_900538085.1_D2358	0
metagenomics_meal	GCF_900538085.1_D23!	GCF_900538085.1_D2358	0
metagenomics_meal	GCF_900635075.1_2984	GCF_900635075.1_29840	0
metagenomics_meal	GCF_900635075.1_2984	GCF_900635075.1_29840	0
metagenomics_meal	GCF_900635515.1_3006	GCF_900635515.1_30066	0
metagenomics_meal	GCF_900635515.1_3006	GCF_900635515.1_30066	0
metagenomics_meal	GCF_900635535.1_3031	GCF_900635535.1_30316	0
metagenomics_meal	GCF_900635535.1_3031	GCF_900635535.1_30316	0
metagenomics_meal	GCF_900635545.1_3031	GCF_900635545.1_30316	0
metagenomics_meal	GCF_900635545.1_3031	GCF_900635545.1_30316	0
metagenomics_meal	GCF_900635555.1_3110	GCF_900635555.1_31108	0
metagenomics_meal	GCF_900635555.1_3110	GCF_900635555.1_31108	0
metagenomics_meal	GCF_900635565.1_3113	GCF_900635565.1_31136	0
metagenomics_meal	GCF_900635565.1_3113	GCF_900635565.1_31136	0

metagenomics_meal	GCF_900635575.1_3118	GCF_900635575.1_3118(	0
metagenomics_meal	GCF_900635575.1_3118	GCF_900635575.1_3118(	0
metagenomics_meal	GCF_900635595.1_3134	GCF_900635595.1_3134(	0
metagenomics_meal	GCF_900635595.1_3134	GCF_900635595.1_3134(	0
metagenomics_meal	GCF_900635615.1_3134	GCF_900635615.1_3134(	0
metagenomics_meal	GCF_900635615.1_3134	GCF_900635615.1_3134(	0
metagenomics_meal	GCF_900635645.1_3162	GCF_900635645.1_3162	0
metagenomics_meal	GCF_900635645.1_3162	GCF_900635645.1_3162	0
metagenomics_meal	GCF_900635655.1_3162	GCF_900635655.1_3162	0
metagenomics_meal	GCF_900635655.1_3162	GCF_900635655.1_3162	0
metagenomics_meal	GCF_900635675.1_3188	GCF_900635675.1_3188	0
metagenomics_meal	GCF_900635675.1_3188	GCF_900635675.1_3188	0
metagenomics_meal	GCF_900635695.1_3247	GCF_900635695.1_3247	0
metagenomics_meal	GCF_900635695.1_3247	GCF_900635695.1_3247	0
metagenomics_meal	GCF_900635725.1_3275	GCF_900635725.1_3275	0
metagenomics_meal	GCF_900635725.1_3275	GCF_900635725.1_3275	0
metagenomics_meal	GCF_900635855.1_3560	GCF_900635855.1_3560	0
metagenomics_meal	GCF_900635855.1_3560	GCF_900635855.1_3560	0
metagenomics_meal	GCF_900636155.1_3911	GCF_900636155.1_3911	0
metagenomics_meal	GCF_900636155.1_3911	GCF_900636155.1_3911	0
metagenomics_meal	GCF_900636165.1_3913	GCF_900636165.1_3913(	0
metagenomics_meal	GCF_900636165.1_3913	GCF_900636165.1_3913(	0
metagenomics_meal	GCF_901457615.1_ERS3	GCF_901457615.1_ERS33	0
metagenomics_meal	GCF_901457615.1_ERS3	GCF_901457615.1_ERS33	0
metagenomics_meal	GCF_901457625.1_ERS3	GCF_901457625.1_ERS33	0
metagenomics_meal	GCF_901457625.1_ERS3	GCF_901457625.1_ERS33	0

Supplementary Table S5: In silico typing results (SISTR) of all assembled contigs from isolates and metagenomics samples used in the study.

genome	serovar_prediction	serovar_antigen_prediction	Serogroup_prediction	H1_prediction	H2_prediction	cgMLST_serovar_prediction	cgMLST_serovar_count_predictions	MLST_ST_in_silico	MLST_serovar_prediction	MLST_serovar_count_predictions	closest-public-genome-name	closest-public-genome-alleles-matching	closest-public-genome-serovar	closest-public-genome-mlst-st	cgMLST_cluster_level	cgMLST_cluster_number	subspecies	wgMLST_330:complete-alleles	wgMLST_330:missing-alleles	wgMLST_330:partial-alleles	
TIAC3660_2	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
S19BD01263	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
TIAC3651_2	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
TIAC3670_2	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
SRR4063700_1	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
SRR3285443_1	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
TIAC3663_2	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
S17BD07382	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
S19BD01323	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
S19BD05008	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
TIAC3659_2	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
TIAC3667_2	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
TIAC3662_2	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	131	Enteritidis		0.60303030303		enterica	330	0	0	
S19BD04853	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	132	Enteritidis		0.6		enterica	330	0	0	
S19BD04976	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	132	Enteritidis		0.6		enterica	330	0	0	
S19BD03764	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	132	Enteritidis		0.6		enterica	330	0	0	
S19BD04892	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	132	Enteritidis		0.6		enterica	330	0	0	
S18BD04909	Enteritidis	Blegdam|Dublin|Enteritidis|Gueulletapee|Hillingdon|Kiel|Moscow|Naestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	132	Enteritidis		0.6		enterica	330	0	0	

S19BD04986	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	132	Enteritidis		0.6		enterica	330	0	0	
S19BD04889	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	132	Enteritidis		0.6		enterica	330	0	0	
S19BD04434	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	132	Enteritidis		0.6		enterica	330	0	0	
S19BD03708	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	132	Enteritidis		0.6		enterica	330	0	0	
S17BD05926	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	132	Enteritidis		0.6		enterica	330	0	0	
S19BD04888	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	132	Enteritidis		0.6		enterica	330	0	0	
SRR4063739_1	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	133	Enteritidis		0.596969696697		enterica	330	0	0	
ERR2173854_1	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	48187	133	Enteritidis		0.596969696697		enterica	330	0	0	
S19BD06627	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	134	Enteritidis		0.593939393939		enterica	330	0	0	
S19BD06604	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	134	Enteritidis		0.593939393939		enterica	330	0	0	
S19FP07576	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	134	Enteritidis		0.593939393939		enterica	330	0	0	
S19FP07382	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	134	Enteritidis		0.593939393939		enterica	330	0	0	
S19BD06641	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	134	Enteritidis		0.593939393939		enterica	330	0	0	
S19BD06642	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	134	Enteritidis		0.593939393939		enterica	330	0	0	
S19FP07457	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	134	Enteritidis		0.593939393939		enterica	330	0	0	
S19BD06633	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	134	Enteritidis		0.593939393939		enterica	330	0	0	
S19FP07414	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	134	Enteritidis		0.593939393939		enterica	330	0	0	
S19FP07575	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	134	Enteritidis		0.593939393939		enterica	330	0	0	

metagenomics_sauce_salmonella	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	135	Enteritidis		0.590909090909		enterica	329	0	1	
metagenomics_meal_salmonella	Enteritidis	Blegdam|Dublin|Enteritidis|Gueul etapee|Hillingdon|Kiel|Moscow|N aestved|Nitra|Rostock	D1	g,m	-	Enteritidis	Enteritidis (2929/2958), Mbandaka (14/2958), Gallinarum (14/2958), Dublin (1/2958)	11	Enteritidis	Enteritidis (5470/5551), Typhi (36/5551), Gallinarum (18/5551), Gallinarum var. Pullorum (15/5551), Typhimurium (12/5551)	21818	135	Enteritidis		0.590909090909		enterica	329	0	1	

Supplementary Table S6: Blast results on ResFinder database for all isolates and 2 inferred metagenomics strains

Sample	Locus	% Identity	HSP/Locus length
metagenomics_sauce_salmonella	aac(6')-Iaa_1	96.35	438/438
metagenomics_meal_salmonella	aac(6')-Iaa_1	96.35	438/438
S19BD06604	aac(6')-Iaa_1	96.35	438/438
S19BD06627	aac(6')-Iaa_1	96.35	438/438
S19BD06633	aac(6')-Iaa_1	96.35	438/438
S19BD06641	aac(6')-Iaa_1	96.35	438/438
S19BD06642	aac(6')-Iaa_1	96.35	438/438
S19FP07382	aac(6')-Iaa_1	96.35	438/438
S19FP07417	aac(6')-Iaa_1	96.35	438/438
S19FP07457	aac(6')-Iaa_1	96.35	438/438
S19FP07575	aac(6')-Iaa_1	96.35	438/438
S19FP07576	aac(6')-Iaa_1	96.35	438/438
ERR2173854	aac(6')-Iaa_1	96.35	438/438
SRR3285443	aac(6')-Iaa_1	96.35	438/438
SRR4063700	aac(6')-Iaa_1	96.35	438/438
SRR4063739	aac(6')-Iaa_1	96.35	438/438
S17BD05926	aac(6')-Iaa_1	96.35	438/438
S17BD07382	aac(6')-Iaa_1	96.35	438/438
S18BD04909	aac(6')-Iaa_1	96.35	438/438
S19BD01263	aac(6')-Iaa_1	96.35	438/438
S19BD01323	aac(6')-Iaa_1	96.35	438/438
S19BD03708	aac(6')-Iaa_1	96.35	438/438
S19BD03764	aac(6')-Iaa_1	96.35	438/438
S19BD04434	aac(6')-Iaa_1	96.35	438/438
S19BD04853	aac(6')-Iaa_1	96.35	438/438
S19BD04888	aac(6')-Iaa_1	96.35	438/438
S19BD04889	aac(6')-Iaa_1	96.35	438/438
S19BD04892	aac(6')-Iaa_1	96.35	438/438
S19BD04976	aac(6')-Iaa_1	96.35	438/438
S19BD04986	aac(6')-Iaa_1	96.35	438/438
S19BD05008	aac(6')-Iaa_1	96.35	438/438
TIAC3651	aac(6')-Iaa_1	96.35	438/438
TIAC3659	aac(6')-Iaa_1	96.35	438/438
TIAC3660	aac(6')-Iaa_1	96.35	438/438
TIAC3662	aac(6')-Iaa_1	96.35	438/438

Supplementary Table S7: Total and relative SNP distances

Total SNPs

	ERR217385	metagenome	metagenome	S17BD0059	S17BD0738	S18BD0049	S19BD0120	S19BD0132	S19BD0370	S19BD0376	S19BD0441	S19BD0485	S19BD0488	S19BD0488	S19BD0488	S19BD0497	S19BD0498	S19BD0500	S19BD0660	S19BD0662	S19BD0663	S19BD0664	S19BD0664	S19FP0738	S19FP0741	S19FP0745	S19FP0757	S19FP0757	SRR3285442	SRR4063702	SRR4063703	TIAC3651	TIAC3659	TIAC3660	TIAC3662	TIAC3663	TIAC3667	TIAC3670	reference
ERR217385	0	467	407	76	78	82	28	79	70	61	62	49	47	45	61	52	46	56	452	456	469	468	439	439	434	436	428	444	81	36	14	39	20	17	24	22	36	33	500
metagenome	467	0	0	466	466	467	462	463	435	429	432	454	454	450	434	452	455	456	0	0	0	0	0	0	0	0	0	0	467	466	464	182	305	205	156	173	211	173	102
metagenome	407	0	0	413	413	415	404	410	383	380	379	395	396	394	384	395	400	398	0	0	0	0	0	0	0	0	0	0	414	407	402	164	268	184	142	153	196	161	89
S17BD0059	76	466	413	0	5	5	71	5	64	59	67	75	67	66	63	71	71	70	457	457	470	468	443	441	433	442	436	445	3	78	77	0	50	22	1	1	1	1	503
S17BD0738	78	466	413	5	0	9	70	4	65	60	70	73	66	66	65	72	69	68	455	457	470	469	441	441	434	442	434	447	4	77	78	1	51	22	0	0	2	1	504
S18BD0049	82	467	415	5	9	0	76	8	65	61	68	77	71	68	66	74	77	72	456	457	471	469	442	441	432	442	435	445	6	83	82	3	53	24	1	1	2	2	507
S19BD0120	28	462	404	71	70	76	0	73	58	55	54	43	43	41	54	46	42	46	447	449	462	461	433	432	427	430	425	440	74	6	25	33	0	0	22	20	37	30	494
S19BD0132	79	463	410	5	4	8	73	0	66	59	70	73	67	67	64	72	71	67	452	454	467	465	439	438	430	439	430	443	3	78	78	1	50	23	1	1	1	1	498
S19BD0370	70	435	383	64	65	65	58	66	0	38	5	55	56	53	39	59	68	58	422	424	437	435	406	409	406	409	399	416	64	68	70	28	38	29	24	19	34	27	468
S19BD0376	61	429	380	59	60	61	55	59	38	0	36	53	51	46	2	53	63	57	415	416	430	430	404	403	399	402	391	411	58	59	59	31	35	23	12	13	31	21	465
S19BD0441	62	432	379	67	70	68	54	70	5	36	0	53	53	52	38	57	60	55	421	421	435	433	403	407	404	407	397	413	68	65	63	30	37	27	23	20	34	29	468
S19BD0485	49	454	395	75	73	77	43	73	55	53	53	0	13	12	53	14	47	13	440	441	453	455	430	429	422	422	419	433	76	52	48	31	29	19	29	19	36	26	489
S19BD0488	47	454	396	67	66	71	43	67	56	51	53	13	0	0	52	3	46	16	438	442	454	454	429	426	421	423	418	429	67	49	46	23	27	17	25	20	33	20	489
S19BD0488	45	450	394	66	66	68	41	67	53	46	52	12	0	0	48	3	45	14	435	438	451	450	426	422	417	418	414	426	68	49	43	25	28	17	24	20	32	21	486
S19BD0488	61	434	384	63	65	66	54	64	39	2	38	53	52	48	0	54	61	57	420	421	435	435	409	409	404	406	396	415	63	58	58	31	34	18	14	15	32	25	469
S19BD0497	52	452	395	71	72	74	46	72	59	53	57	14	3	3	54	0	49	19	436	440	452	453	428	424	418	421	418	428	73	53	49	28	29	20	26	22	36	23	490
S19BD0498	46	455	400	71	69	77	42	71	68	63	60	47	46	45	61	49	0	49	444	446	457	459	427	428	424	430	424	433	73	47	45	24	30	19	23	23	36	25	496
S19BD0500	56	456	398	70	68	72	46	67	58	57	55	13	16	14	57	19	49	0	443	446	457	458	434	431	424	428	424	435	72	55	56	27	33	20	27	21	30	23	496
S19BD0660	452	0	0	457	455	456	447	452	422	415	421	440	438	435	420	436	444	443	0	0	0	0	0	0	0	0	0	0	457	454	451	178	297	197	159	172	212	170	102
S19BD0662	456	0	0	457	457	457	449	454	424	416	421	441	442	438	421	440	446	446	0	0	0	0	0	0	0	0	0	0	458	455	454	180	302	197	151	174	210	171	101
S19BD0663	469	0	0	470	470	471	462	467	437	430	435	453	454	451	435	452	457	457	0	0	0	0	0	0	0	0	0	0	471	466	466	181	305	202	160	174	216	175	99
S19BD0664	468	0	0	468	469	469	461	465	435	430	433	455	454	450	435	453	459	458	0	0	0	0	0	0	0	0	0	0	469	467	465	182	307	206	157	172	217	174	106
S19BD0664	439	0	0	443	441	442	433	439	406	404	403	430	429	426	409	428	427	434	0	0	0	0	0	0	0	0	0	0	443	438	437	171	288	195	156	165	208	164	102
S19FP0738	439	0	0	441	441	441	432	438	409	403	407	429	426	422	409	424	428	431	0	0	0	0	0	0	0	0	0	0	442	437	437	177	284	188	154	156	207	165	104
S19FP0741	434	0	0	433	434	432	427	430	406	399	404	422	421	417	404	418	424	424	0	0	0	0	0	0	0	0	0	0	434	433	431	167	288	193	146	160	202	162	101
S19FP0745	436	0	0	442	442	442	430	439	409	402	407	422	423	418	406	421	430	428	0	0	0	0	0	0	0	0	0	0	442	434	434	170	286	190	151	161	202	162	91
S19FP0757	428	0	0	436	434	435	425	430	399	391	397	419	418	414	396	418	424	424	0	0	0	0	0	0	0	0	0	0	433	429	426	171	285	183	144	162	205	162	100
S19FP0757	444	0	0	445	447	445	440	443	416	411	413	433	429	426	415	428	433	435	0	0	0	0	0	0	0	0	0	0	446	445	440	176	293	197	152	167	206	164	101
SRR3285442	81	467	414	3	4	6	74	3	64	58	68	76	67	68	63	73	73	72	457	458	471	469	443	442	434	442	433	446	0	80	80	0	50	23	0	0	0	0	499
SRR4063702	36	466	407	78	77	83	6	78	68	59	65	52	49	49	58	53	47	55	454	455	466	467	438	437	433	434	429	445	80	0	34	37	5	2	24	22	40	32	495
SRR4063703	14	464	402	77	78	82	25	78	70	59	63	48	46	43	58	49	45	56	451	454	466	465	437	437	431	434	426	440	80	34	0	38	20	15	24	20	38	31	495
TIAC3651	39	182	164	0	1	3	33	1	28	31	30	31	23	25	31	28	24	27	178	180	181	182	171	177	167	170	171	176	0	37	38	0	25	11	0	0	0	0	185
TIAC3659_	20	305	268	50	51	53	0	50	38	35	37	29	27	28	34	29	30	33	297	302	305	307	288	284	288	286	285	293	50	5	20	25	0	0	15	13	25	21	321
TIAC3660_	17	205	184	22	22	24	0	23	29	23	27	19	17	17	18	20	19	20	197	197	202	206	195	188	193	190	183	197	23	2	15	11	0	0	6	7	12	12	212
TIAC3662	24	156	142	1	0	1	22	1	24	12	23	29	25	24	14	26	23	27	159	151	160	157	156	154	146	151	144	152	0	24	24	0	15	6	0	0	0	0	161
TIAC3663	22	173	153	1	0	1	20	1	19	13	20	19	20	20	15	22	23	21	172	174	174	172	165	156	160	161	162	167	0	22	20	0	13	7	0	0	0	0	181
TIAC3667	36	211	196	1	2	2	37	1	34	31	34	36	33	32	32	36	36	30	212	210	216	217	208	207	202	202	205	206	0	40	38	0	25	12	0	0	0	0	231
TIAC3670_	33	173	161	1	1	2	30	1	27	21	29	26	20	21	25	23	25	23	170	171	175	174	164	165	162	162	162	164	0	32	31	0	21	12	0	0	0	0	181
reference	500	102	89	503	504	507	494	498	468	465	468	489	489	486	469	490	496	496	102	101	99	106	102	104	101	91	100	101	499	495	495	185	321	212	161	181	231	181	0

SNPs Per million Genomic positions

	ERR217385	metagenor	metagenor	S17BD0592	S17BD0738	S18BD0490	S19BD0120	S19BD0132	S19BD0370	S19BD0376	S19BD0442	S19BD0485	S19BD0488	S19BD0488	S19BD0488	S19BD0492	S19BD0498	S19BD0500	S19BD0660	S19BD0662	S19BD0663	S19BD0664	S19BD0664	S19FP0738	S19FP0741	S19FP0745	S19FP0757	S19FP0757	SRR3285442	SRR4063702	SRR4063732	TIAC3651_	TIAC3659_	TIAC3660_	TIAC3662_	TIAC3663_	TIAC3667_	TIAC3670_	reference
ERR217385	0	103	90	17	17	18	6	17	15	13	14	11	10	10	13	11	10	12	100	101	104	103	97	97	96	96	95	98	18	8	3	9	4	4	5	5	8	7	110
metagenor	103	0	0	102	102	103	101	102	96	94	95	100	100	99	95	99	100	100	0	0	0	0	0	0	0	0	0	0	103	102	102	40	67	45	34	38	46	38	22
metagenor	103	0	0	104	104	105	102	103	97	96	95	100	100	99	97	100	101	100	0	0	0	0	0	0	0	0	0	0	104	103	101	41	68	46	36	39	49	41	22
S17BD0592	17	107	95	0	1	1	16	1	15	14	15	17	15	15	14	16	16	16	105	105	108	108	102	101	100	102	100	102	1	18	18	0	12	5	0	0	0	0	116
S17BD0738	18	108	95	1	0	2	16	1	15	14	16	17	15	15	15	17	16	16	105	106	109	108	102	102	100	102	100	103	1	18	18	0	12	5	0	0	0	0	116
S18BD0490	19	108	96	1	2	0	18	2	15	14	16	18	16	16	15	17	18	17	105	106	109	108	102	102	100	102	101	103	1	19	19	1	12	6	0	0	0	0	117
S19BD0120	6	106	93	16	16	18	0	17	13	13	12	10	10	9	12	11	10	11	103	103	106	106	100	100	98	99	98	101	17	1	6	8	0	0	5	5	9	7	114
S19BD0132	18	108	96	1	1	2	17	0	15	14	16	17	16	16	15	17	17	16	106	106	109	109	103	102	101	103	101	104	1	18	18	0	12	5	0	0	0	0	116
S19BD0370	17	104	92	15	16	16	14	16	0	9	1	13	13	13	9	14	16	14	101	101	104	104	97	98	97	98	95	99	15	16	17	7	9	7	6	5	8	6	112
S19BD0376	15	105	93	14	15	15	13	14	9	0	9	13	13	11	0	13	15	14	102	102	105	105	99	99	98	99	96	101	14	14	14	8	9	6	3	3	8	5	114
S19BD0442	14	100	88	16	16	16	13	16	1	8	0	12	12	12	9	13	14	13	98	98	101	101	94	94	94	94	92	96	16	15	15	7	9	6	5	5	8	7	109
S19BD0485	12	107	93	18	17	18	10	17	13	12	12	0	3	3	12	3	11	3	104	104	107	107	101	101	99	99	99	102	18	12	11	7	7	4	7	4	8	6	115
S19BD0488	11	110	96	16	16	17	10	16	14	12	13	3	0	0	13	1	11	4	107	108	110	110	104	104	102	103	102	104	16	12	11	6	7	4	6	5	8	5	119
S19BD0488	11	113	99	17	17	17	10	17	13	12	13	3	0	0	12	1	11	4	109	110	113	113	107	106	104	105	104	107	17	12	11	6	7	4	6	5	8	5	122
S19BD0488	15	104	92	15	16	16	13	15	9	0	9	13	13	12	0	13	15	14	101	101	105	105	98	98	97	98	95	100	15	14	14	7	8	4	3	4	8	6	113
S19BD0492	13	109	95	17	17	18	11	17	14	13	14	3	1	1	13	0	12	5	105	106	109	109	103	102	101	101	101	103	18	13	12	7	7	5	6	5	9	6	118
S19BD0498	11	107	94	17	16	18	10	17	16	15	14	11	11	11	14	12	0	12	105	105	108	108	101	101	100	101	100	102	17	11	11	6	7	4	5	5	8	6	117
S19BD0500	14	110	96	17	16	17	11	16	14	14	13	3	4	3	14	5	12	0	107	108	110	111	105	104	102	103	102	105	17	13	14	7	8	5	7	5	7	6	120
S19BD0660	105	0	0	107	106	106	104	105	98	97	98	103	102	101	98	102	104	103	0	0	0	0	0	0	0	0	0	0	107	106	105	42	69	46	37	40	49	40	24
S19BD0662	104	0	0	104	104	104	103	104	97	95	96	101	101	100	96	101	102	102	0	0	0	0	0	0	0	0	0	0	105	104	104	41	69	45	34	40	48	39	23
S19BD0663	106	0	0	106	106	106	104	105	98	97	98	102	102	102	98	102	103	103	0	0	0	0	0	0	0	0	0	0	106	105	105	41	69	45	36	39	49	39	22
S19BD0664	105	0	0	105	106	106	104	105	98	97	97	102	102	101	98	102	103	103	0	0	0	0	0	0	0	0	0	0	106	105	105	41	69	46	35	39	49	39	24
S19BD0664	102	0	0	103	103	103	101	102	94	94	94	100	100	99	95	100	99	101	0	0	0	0	0	0	0	0	0	0	103	102	102	40	67	45	36	38	48	38	24
S19FP0738	103	0	0	104	104	104	102	103	96	95	96	101	100	99	96	100	101	101	0	0	0	0	0	0	0	0	0	0	104	103	103	42	67	44	36	37	49	39	24
S19FP0741	102	0	0	102	102	102	100	101	95	94	95	99	99	98	95	98	100	100	0	0	0	0	0	0	0	0	0	0	102	102	101	39	68	45	34	38	47	38	24
S19FP0745	104	0	0	105	105	105	103	105	98	96	97	101	101	100	97	100	103	102	0	0	0	0	0	0	0	0	0	0	105	104	104	41	68	45	36	38	48	39	22
S19FP0757	102	0	0	104	103	104	101	102	95	93	95	100	100	99	94	100	101	101	0	0	0	0	0	0	0	0	0	0	103	102	101	41	68	44	34	39	49	39	24
S19FP0757	106	0	0	107	107	107	105	106	100	98	99	104	103	102	99	103	104	104	0	0	0	0	0	0	0	0	0	0	107	107	105	42	70	47	36	40	49	39	24
SRR3285442	18	102	91	1	1	1	16	1	14	13	15	17	15	15	14	16	16	16	100	100	103	103	97	97	95	97	95	98	0	18	18	0	11	5	0	0	0	0	109
SRR4063702	8	102	89	17	17	18	1	17	15	13	14	11	11	11	13	12	10	12	100	100	102	102	96	96	95	95	94	98	18	0	7	8	1	0	5	5	9	7	108
SRR4063732	3	102	88	17	17	18	5	17	15	13	14	11	10	9	13	11	10	12	99	100	102	102	96	96	94	95	93	96	18	7	0	8	4	3	5	4	8	7	108
TIAC3651	20	95	86	0	1	2	17	1	15	16	16	16	12	13	16	15	13	14	93	94	95	95	89	93	87	89	89	92	0	19	20	0	13	6	0	0	0	0	97
TIAC3659	6	91	80	15	15	16	0	15	11	10	11	9	8	8	10	9	9	10	89	90	91	92	86	85	86	86	85	88	15	1	6	7	0	0	4	4	7	6	96
TIAC3660_	8	101	91	11	11	12	0	11	14	11	13	9	8	8	9	10	9	10	97	97	100	102	96	93	95	94	91	97	11	1	7	5	0	0	3	3	6	6	105
TIAC3662_	16	103	94	1	0	1	15	1	16	8	15	19	17	16	9	17	15	18	105	100	106	104	103	102	97	100	95	101	0	16	16	0	10	4	0	0	0	0	107
TIAC3663_	12	95	84	1	0	1	11	1	10	7	11	10	11	11	8	12	13	11	94	95	95	94	90	85	87	88	89	91	0	12	11	0	7	4	0	0	0	0	99
TIAC3667	16	92	86	0	1	1	16	0	15	14	15	16	14	14	14	16	16	13	93	92	94	95	91	90	88	88	90	90	0	17	17	0	11	5	0	0	0	0	101
TIAC3670	18	92	85	1	1	1	16	1	14	11	15	14	11	11	13	12	13	12	90	91	93	92	87	88	86	86	86	87	0	17	16	0	11	6	0	0	0	0	96
reference	107	22	19	107	108	108	105	106	100	99	100	104	104	104	100	105	106	106	22	22	21	23	22	22	22	19	21	22	106	106	106	39	69	45	34	39	49	39	0