

QUAST statistics

- Contig size information
- Misassemblies and structural variations
- Genome features found in the assembly
- Variations on N50 statistics
- Visualization



Gene finding and genes

- Will also look for reference genes in genome
- Can ask for gene finding too can show discrepancy
- Can also show rRNA genes
- Genes found indication of genome completeness
- Lots of partial genes: broken assembly

Mapped reads

- Can input reads
- Get coverage graph
- Informative regarding high copy regions/"lost" regions
- Note: can only "see" what is in the reference

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	Show heatman			
Worst Median Best	show nearmap			
Genome statistics	spades_default	spades_kmers_careful	megahit_default	megahit_min_count_
Genome fraction (%)	98.14	98.421	98.6	98.603
Duplication ratio	1	1	1.001	1.001
# genomic features	7539 + 75 part	7563 + 62 part	7540 + 105 part	7540 + 104 part
Largest alignment	455 950	505 898	350 746	350 746
Total aligned length	8 4 3 6 5 5 3	8 470 789	8 492 473	8 493 177
NGA50	143 431	198 969	144 083	125 159
LGASO	18	13	20	21
Misassemblies				
# misassemblies	6	6	9	8
Misassembled contigs length	1469048	1719134	1 200 775	1 050 989
Mismatches				
# mismatches per 100 kbp	3.85	2.72	2.38	2.3
# indels per 100 kbp	0.67	0.45	0.32	0.28
# N's per 100 kbp	0	0	0	0
Statistics without reference				
# contias	132	91	156	158
Largest contig	754 490	961 949	539 126	539126
Total length	8447218	8 472 540	8 492 975	8 493 797
Total length (>= 1000 bp)	8447218	8 472 540	8 492 975	8 493 797
Total length (>= 10000 hp)	8 324 069	8 384 754	8 296 360	8 308 919

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