

1. Read Statistics

Illumina Std PE Statistics

File name	ZHYZ.bbqc.fq.gz.fastq
Number of reads	99,530
Sequencing depth [†]	3X
Read type	2x149 bp

[†] A genome size of 5.0 Mbp was assumed in this calculation.

2. Screened Assembly QC Results

GC vs coverage based on GC of NCBI nt and Greengenes 16S rRNA gene hits to the assembly using megablast, shown for different taxonomic levels.

No hits found.

Estimated genome recovery derived from analysis of universal single-copy genes detected in final assembly.

HMM	Pct Recovered
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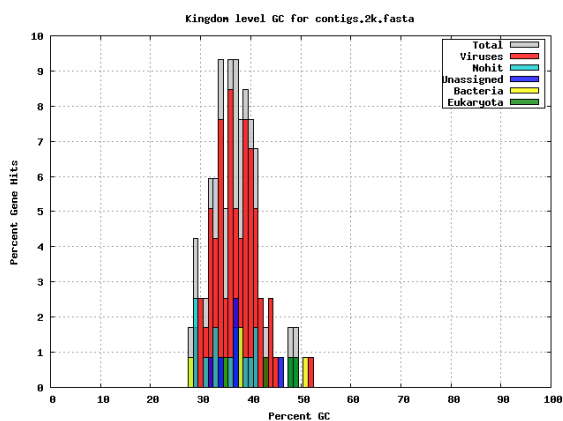
3. Unscreened Assembly Statistics

Assembly method	SPAdes
Scaffold total	9
Contig total	9
Scaffold sequence length	125.0 kb
Contig sequence length	125.0 kb (0.0% gap)
Scaffold N/L50	2/30.7 kb
Contig N/L50	2/30.7 kb
Largest Contig	40.2 kb
Number of scaffolds >50 kb	0
Pct of genome in scaffolds >50 kb	0.0
Pct of reads assembled	67.4

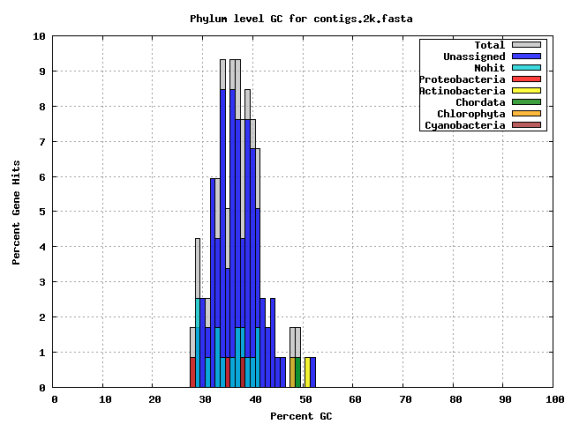
4. Unscreened Assembly QC Results

GC histogram of the predicted genes on each contig, overlaid with GC of hits based on LAST, shown for different taxonomic levels.

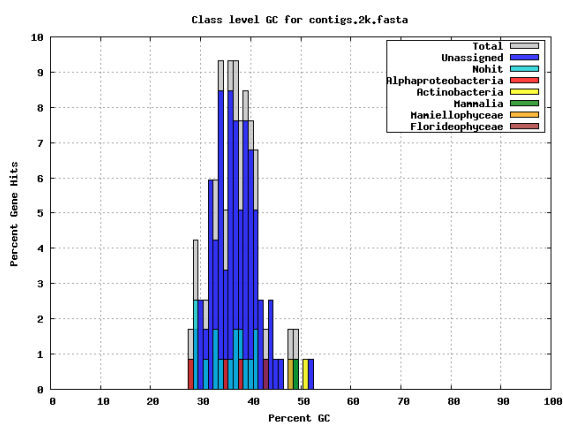
Kingdom



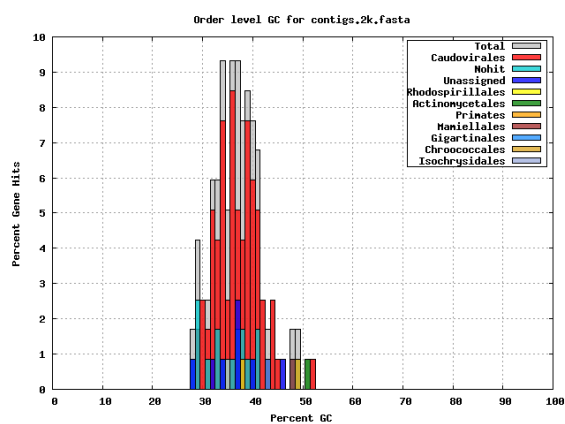
Phylum



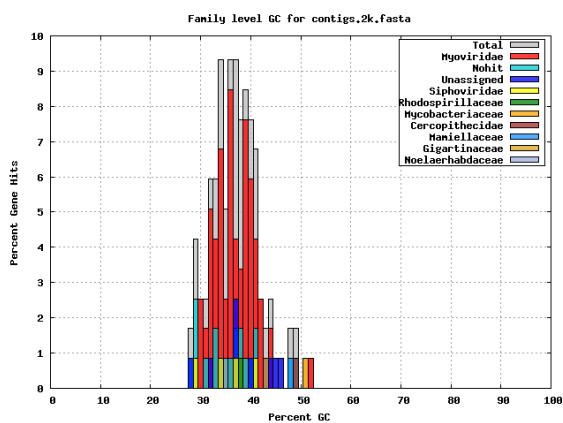
Class



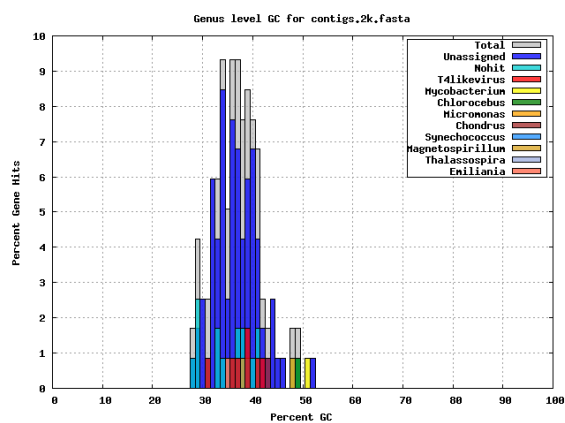
Order



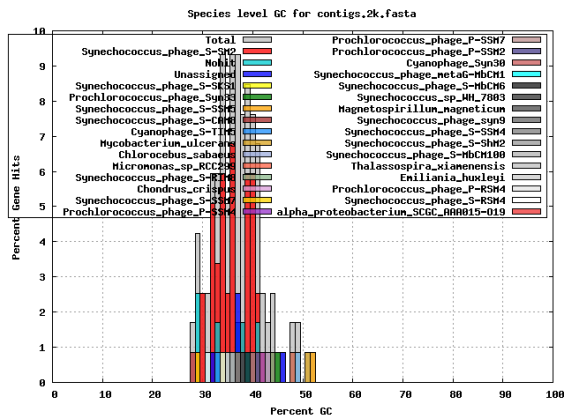
Family



Genus

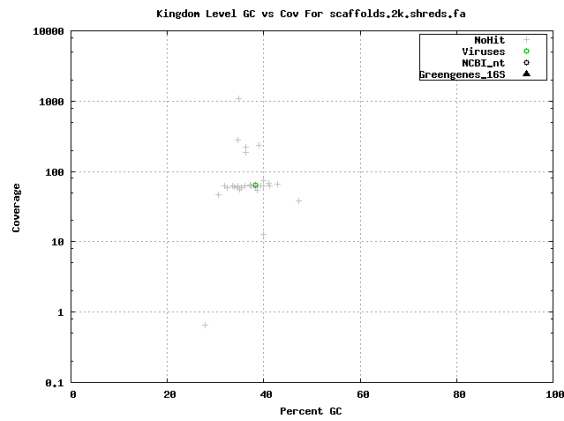


Species

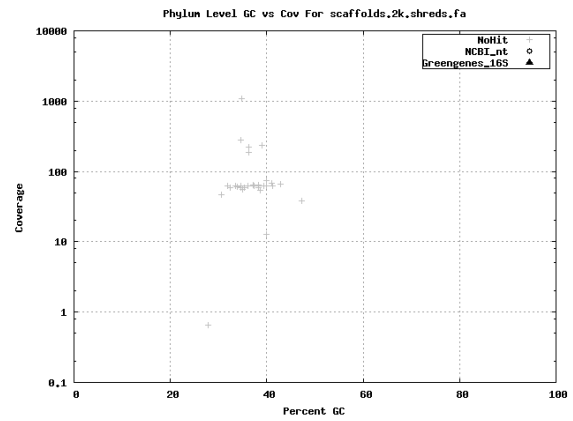


GC vs coverage based on GC of NCBI nt and Greengenes 16S rRNA gene hits to the assembly using megablast, shown for different taxonomic levels.

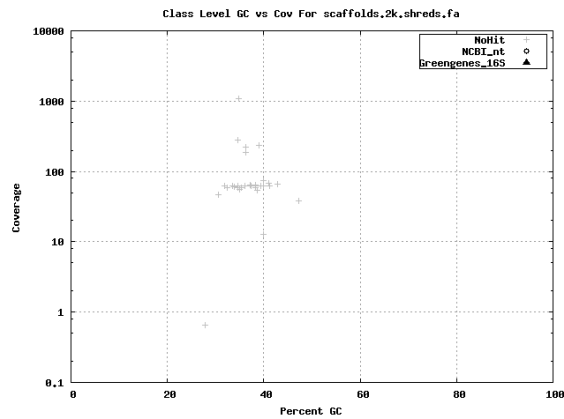
Kingdom



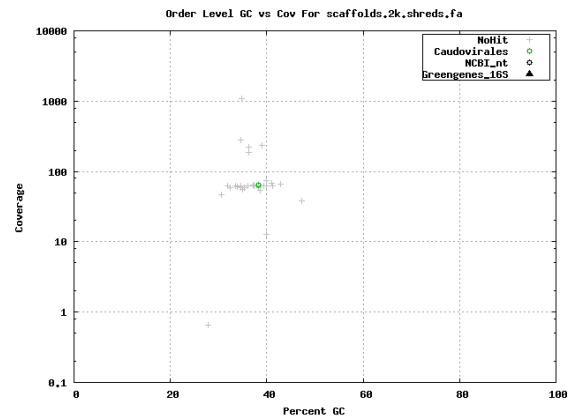
Phylum

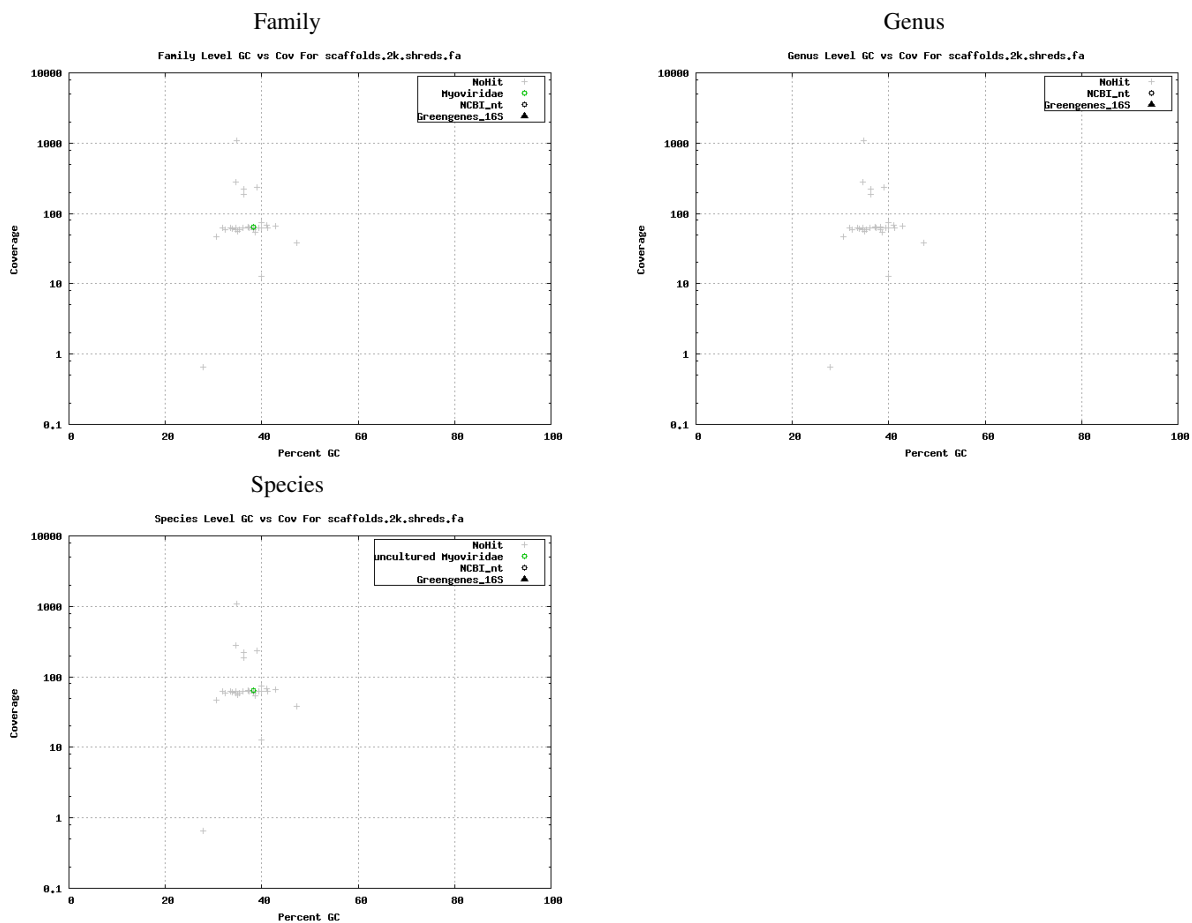


Class

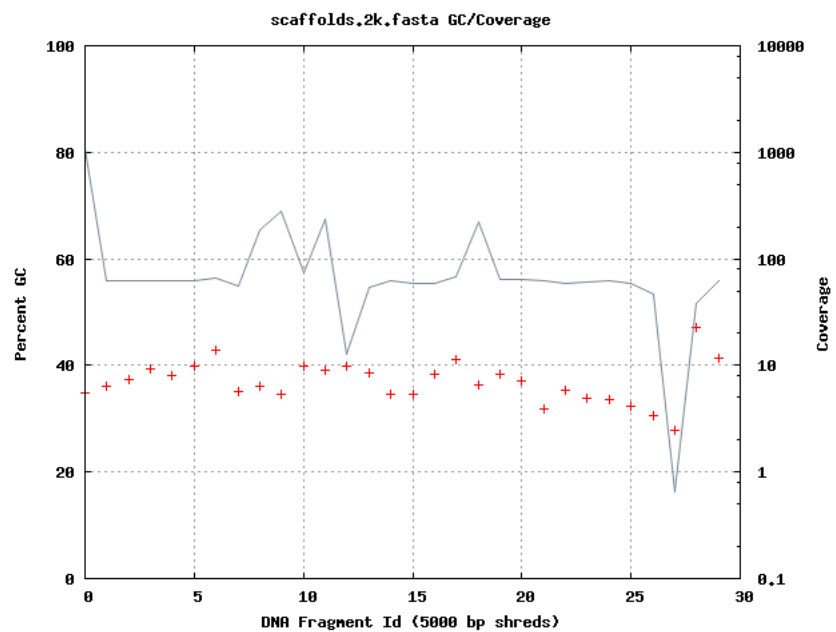


Order

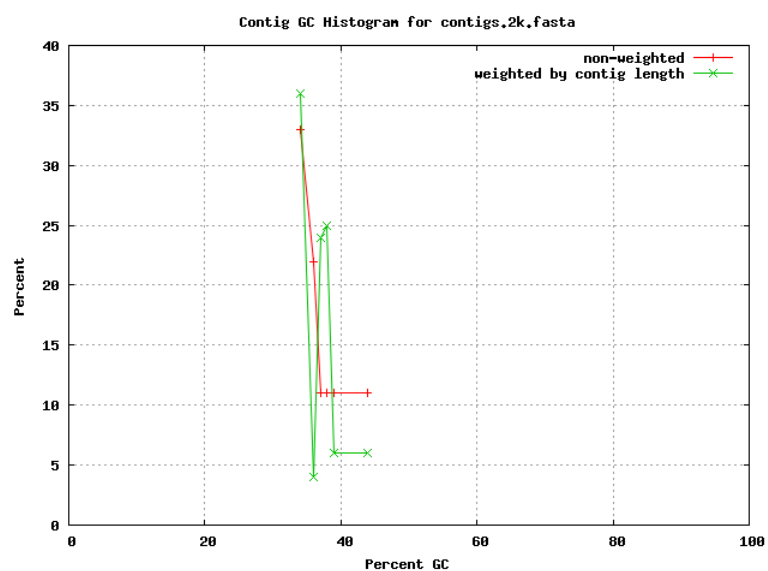




Coverage vs GC. Scaffolds were shredded into non-overlapping 5 kb fragments and the GC of each shred was plotted as a point, colored by scaffold id. Coverage was calculated by mapping the fragment library to the final assembly and plotted as connected points.



GC histogram of the contigs, including contig length weighted distribution.



Principal component analysis of tetramer frequencies of contigs. Detectable variations are highlighted in color.

Insufficient number of contigs with length ≥ 2000 bp. Minimum number required is 10 to run tetramer analysis.

HMM	Pct Recovered
archaea	0 %
bacteria	0 %

