



Mapping Report for solid0078_20110412_FRAG_BC_WHITE_WHITE_F3_QV_RE22
trimmed de novo assembly
Type: De novo assembly
Contig count: 6588
Generated by: sr320
Date: Thu May 03 09:44:35 PDT 2012
Software: CLC Genomics Workbench 5.1

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1. Summary

Contig count	6,588
Type	De novo assembly
Total read count	44,869,510
Mean read length	42.15
Total read length	1,891,319,516
Mean contig length	713
Total contig length	4,702,000
GC contents in %	46.24

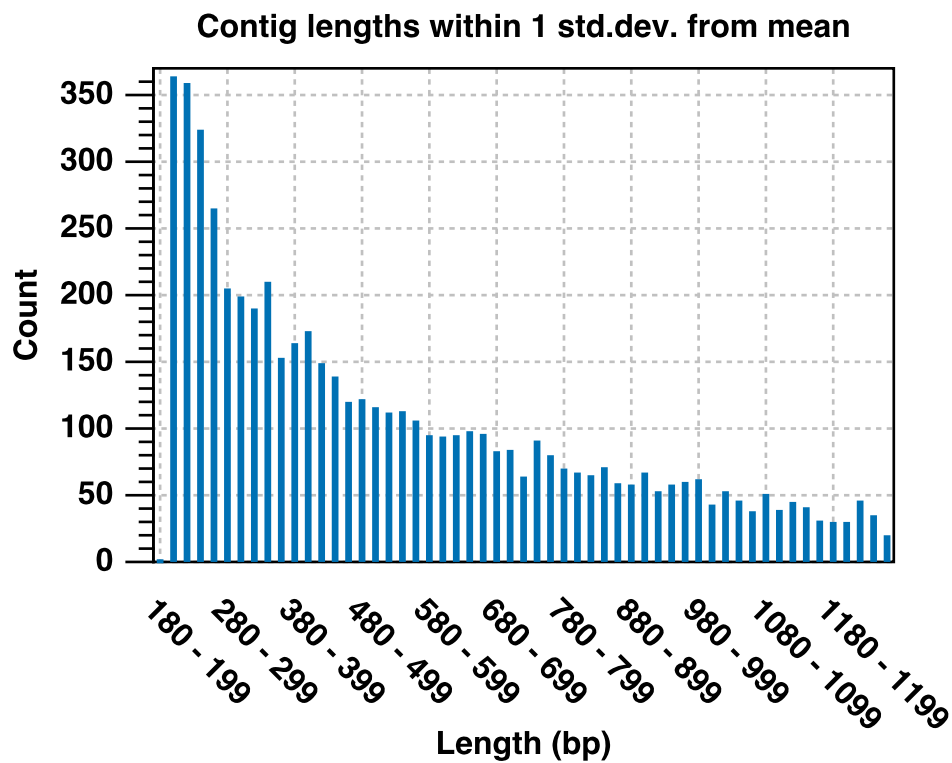
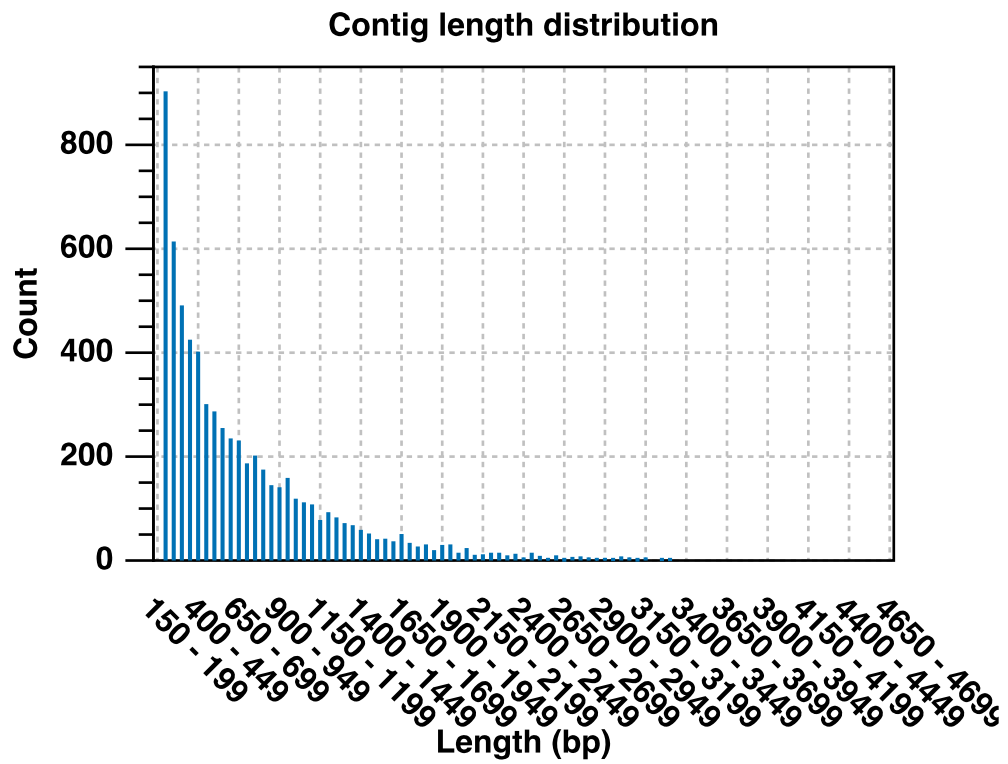
2. Contig sequences

2.1 Contigs

Contig set	Contig count	Min contig length	Max contig length	Mean contig length
N25 contigs	555	1,542	4,657	2,118.95
N50 contigs	1,533	967	4,657	1,533.73
N75 contigs	3,122	558	4,657	1,129.64
All contigs	6,588	198	4,657	713.72
Long contigs (>1,000bp)	1,434	1,000	4,657	1,571.71
Short contigs (<300bp)	1,528	198	300	244.33

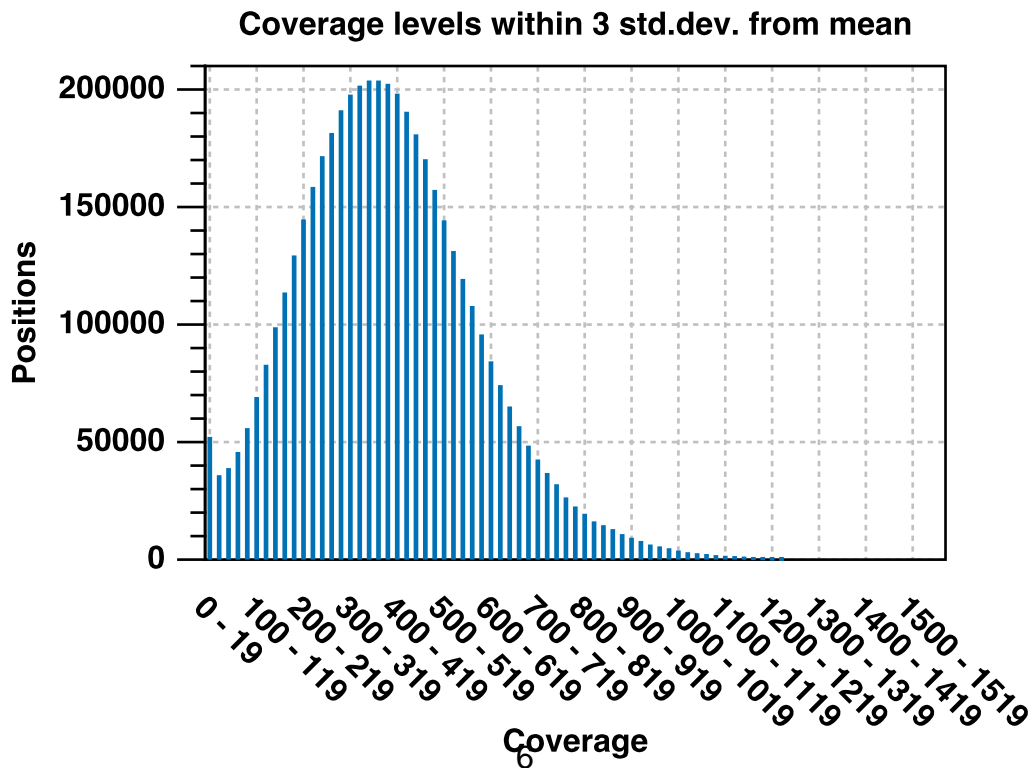
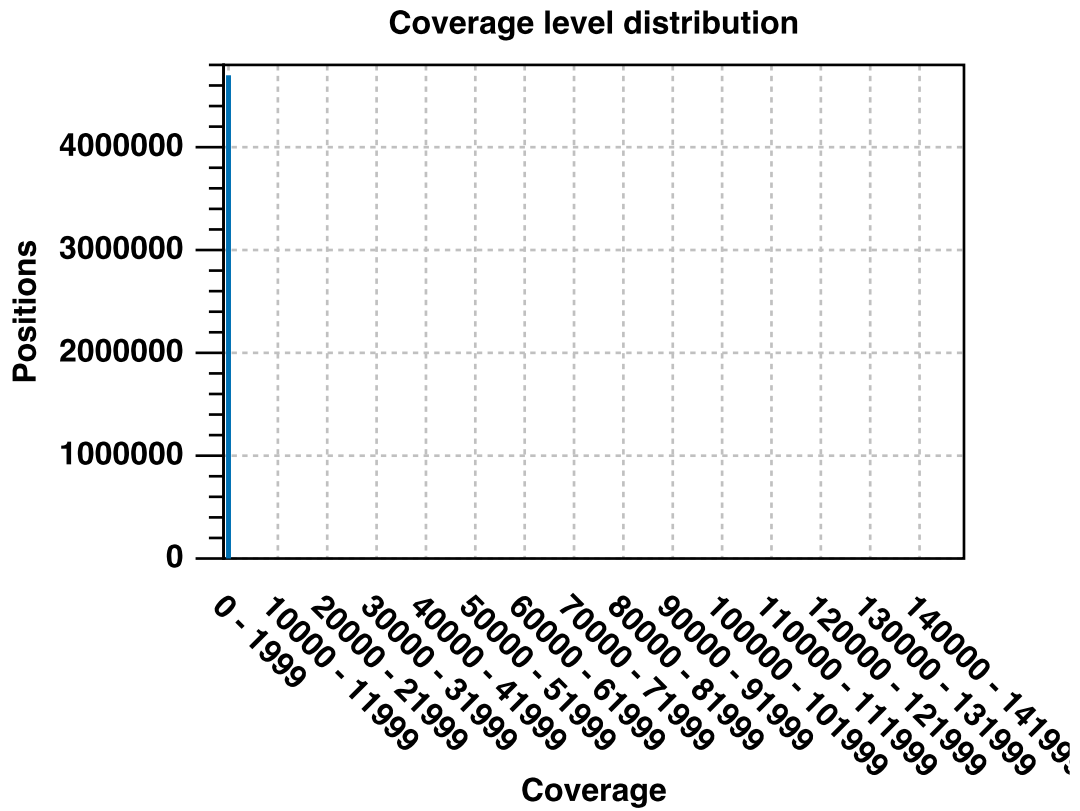
Standard deviation	Total contig length	% GC
548.96	1,176,020	45.84
565.45	2,351,213	46.02
567.02	3,526,731	46.12
560.05	4,702,000	46.24
565.21	2,253,839	45.98
27.81	373,330	46.17

2.2 Contig length distribution



0 contigs are shorter than 198 (not shown in graph).
5,702 contigs have length between 198 and 1,273.
886 contigs are longer than 1,273 (not shown in graph).

2.3 Coverage level distribution



4,698,451 positions have coverage between 1 and 1,561.
 3,549 positions have coverage above 1,561 (not shown in graph).

3. Mapped reads

3.1 All mapped reads

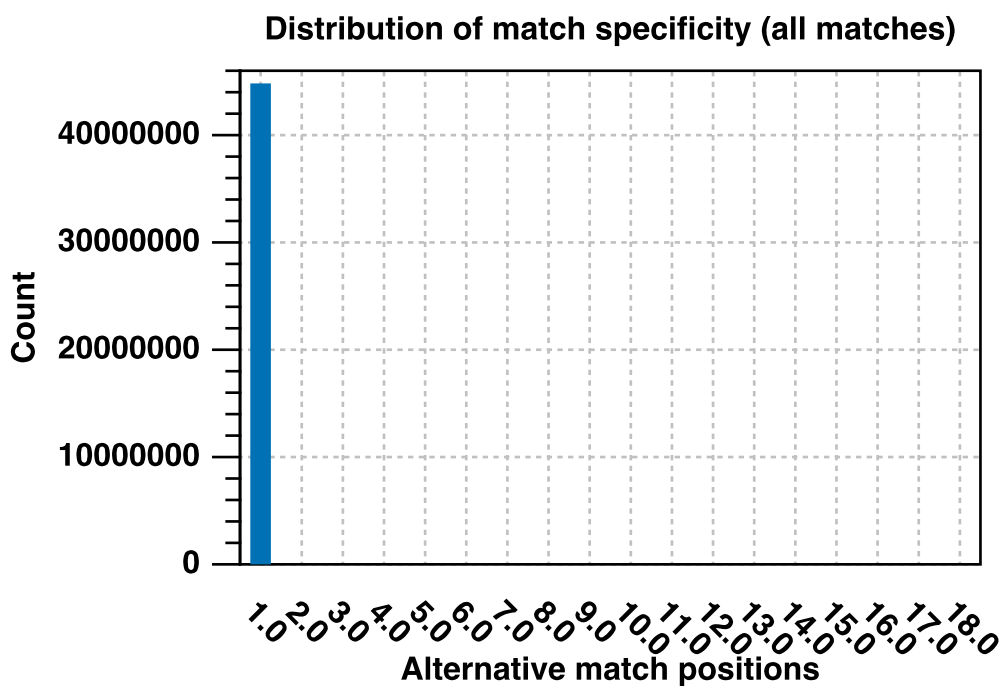
Read count	44,869,510
Mean read length	42.15
Total read length	1,891,319,516

3.2 Non-specific matches

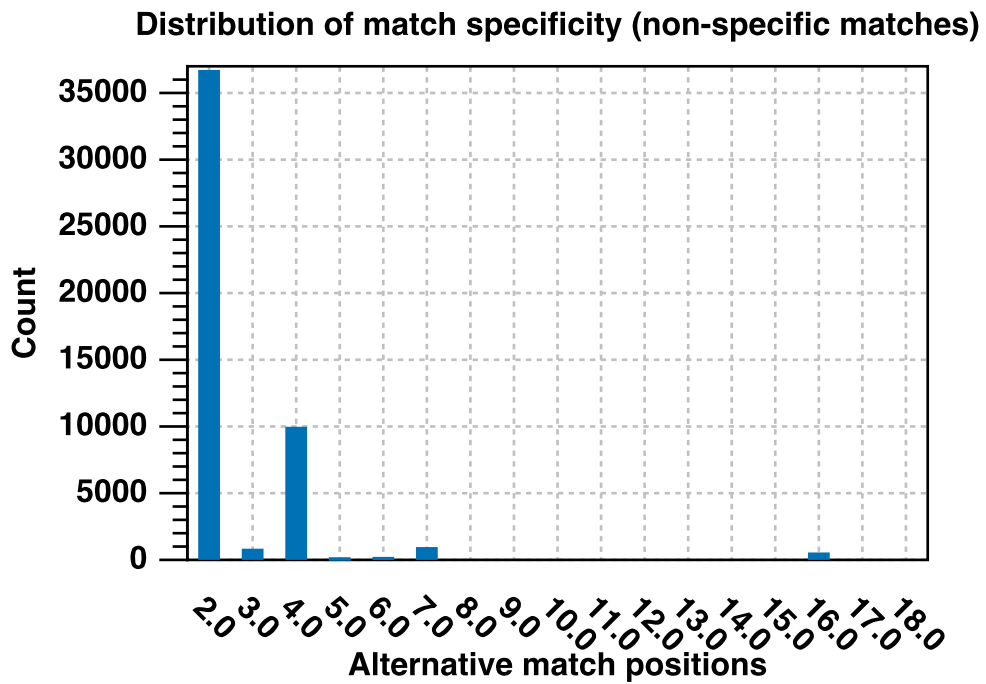
Non-specific matches

Read count	49,445
Mean read length	29.00
Total read length	1,433,927

Distribution of match specificity (all matches)



Distribution of match specificity (non-specific matches)

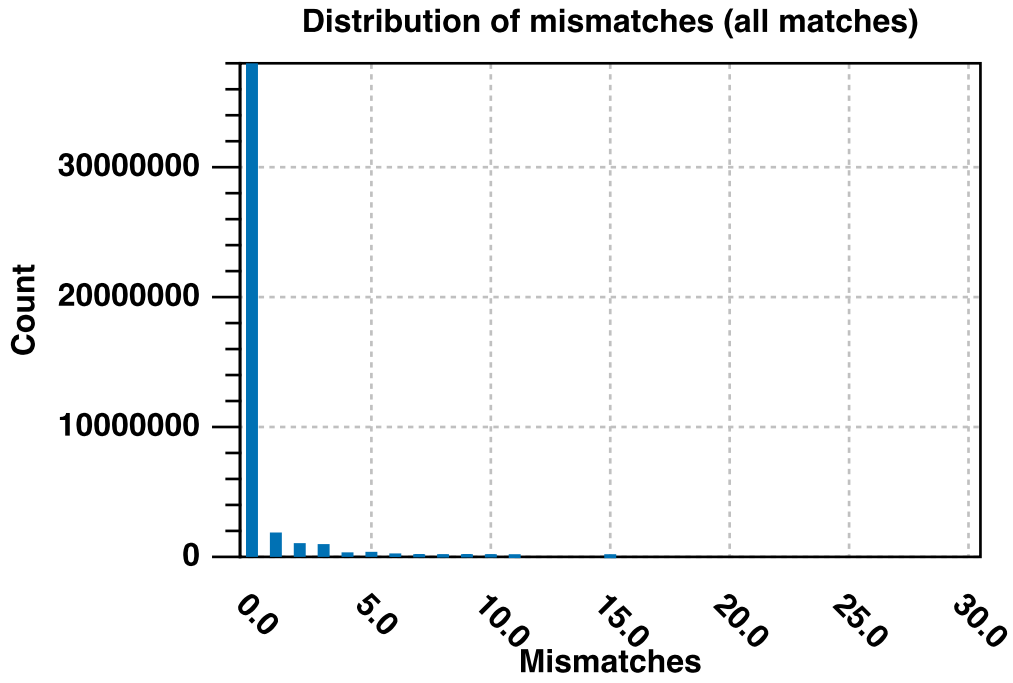


3.3 Non-perfect matches

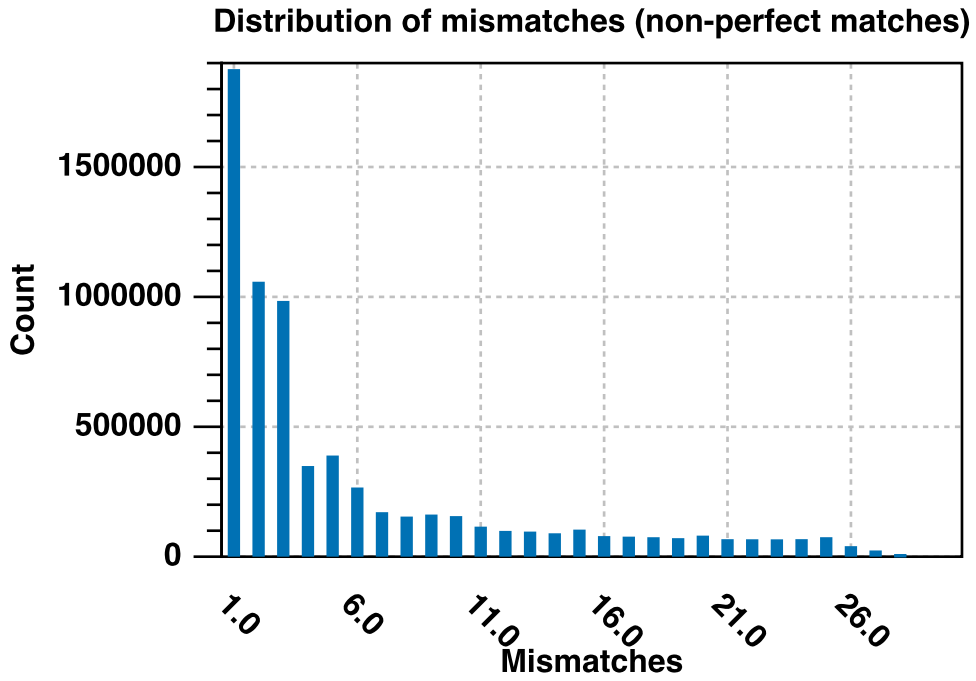
Non-perfect matches

Read count	6,873,836
Mean read length	42.58
Total read length	292,657,881

Distribution of mismatches (all matches)



Distribution of mismatches (non-perfect matches)



3.4 Read length distribution

