Assembly Report

Experiment Details

ExperimentID:	Experiment 45
Sequencing Coverage:	23
Number of Partitions:	5
Allowed Mismatch Count in (Base):	0
Length of Sliding Window:	41

Reads Dataset Details

Iteaus Dataset Details	
Total Reads Count:	1212
Total Dataset Size in (Base):	241272
Valid Read Count:	1212
Rejected Read Count:	0
Maximum Read Length:	201
Minimum Read Length:	162

Reference Genome Details

Length of Reference Genome (Base):	10080
Number of K-mers:	9880
Length of K-mer	305

Assembly Details

Number of Contigs:	28
Contig N50:	1226
Contig N90:	776
Number of Scaffold	1
Scaffold N50:	10080
Scaffold N90:	10080
Mis-assembly Count:	0
TotalAssembly Size:	10080

Repeat Details

Total Reads Count(Non-Repeat) :	272
Total Reads Count(Repeat):	129
Retetitve Read Count based on (Partitions Identifier):	128
Retetitve Read Count (Entire Read Frequency Identifier):	3
Retetitve Read Count (Contained Read Frequency Identifier):	3
Total Repetitive Sequences Count	1564
Total Unique Repetitive Sequences Count	3

Total Repeat Size (Base)		3000				
Starting	Ending	Repetitive Sequences	Repeat Count Length Position		าร	
1	10080	CGGTCGAAAA ACTGCTGGCA GTGGGGCATT ACCTCGAATCT ACCGTCGATAT TGCTGAGTCC ACCCGCCGTA TTGCGGCAAG TCGTATTCCGG CTGATCACATG GTGCTGATGA CAGGTTTCACC GCCGGTAATG AAAAAGGCGA ACTGGTGGTG CTTGGACGCA CTACTCTGCTG CGGTGCTGGC TGCCTGTTTAC GCGCCGATTT GGACGGACGT TGCGAGATTT GGACGGACGT TGACGGGGTC TA	4	250	Start Positio n 1176 3630 5894 8864	End Positio n 1425 3879 6143 9113

1	10080	GATTCATTCGG GATGGTCTGT GTGGATTAAAA AAAGAGTGTCT GATAGCAGCTT CTGAACTGGTT ACCTGCCGTG AGTAAATTAAA ATTTTATTGAC TTAGGTCACTA AATACTTTAAC CAATATAGGCA TAGCGCACAG ACAGATAAAAA TTACAGAGTAC ACAACATCCTC AAAGCCTACC GGTGACAGTG CGGGCTTTTTT TTCGACCAAAG GTAACGAGGT AACAACCATGC	4	250	Start Positio n 2885 4257 6796 9434	End Positio n 3134 4506 7045 9683
		AACAACCATGC GAGTGTTGAA GTCA				

	1	i				1
		GCTTTTCATTC				
		TGACTGCAAC				
		GGGCAATATG				
		тстствтвтв				
		ATTAAAAAAAAG				
		AGTGTCTGATA				
		GCAGCTTCTG				
		AACTGGTTACC				
		TGCCGTGAGT			Start	End
		AAATTAAAATT			Positio	Positio
		TTATTGACTTA		250	n	n
1		GGTCACTAAAT			1	250
		ACTTTAACCAA		250	699	948
		TATAGGCATAG				940
		CGCACAGACA		173	1738	1987
		GATAAAAATTA			8344	8593
		CAGAGTACAC				
		AACATCCATGA				
		AACGCATTAGC				
		ACCACCATTAC				
		CACCACCATCA				
		CCATTACCACA				
		GGTAACGGTG				
		CGGG				

SRGD Performance Metrics

Initial Reads Count:	1212
Reads Count after Removing Duplication:	401
Reads Count after Overlapping:	267
Initial Dataset Size in (Base):	241272
Dataset Sizet after Removing Duplication:	101778
Dataset Size after Overlapping:	57121

Overlapping Metrics

Repeat Identification Time:		00h:00m:17s:000ms			
Overlapping Time:		00h:02m:30s:000ms			
Reads Alignment Time:		00h:00m:12s:000ms			
Total Hybrid Assembly Time:		00h:02m:42s:000ms			
Repeat Annotation Time:		00h:01m:26s:000ms			
Overlapping Length	O(N)2 Time Complexity	Hit Index Count		Overlapping Matched Count	RI
197	73984	25		1	0
176	73441	290		128	0
151	20449	16		5	0