

Assembly Report

Experiment Details

ExperimentID:	Experiment 81
Sequencing Coverage:	21
Number of Partitions:	1
Allowed Mismatch Count in (Base):	0
Length of Sliding Window:	201

Reads Dataset Details

Total Reads Count:	2205
Total Dataset Size in (Base):	440865
Valid Read Count:	2205
Rejected Read Count:	0
Maximum Read Length:	201
Minimum Read Length:	162

Reference Genome Details

Length of Reference Genome (Base):	20160
Number of K-mers:	19960
Length of K-mer	462

Assembly Details

Number of Contigs:	58
Contig N50:	1126
Contig N90:	876
Number of Scaffold	7
Scaffold N50:	3662
Scaffold N90:	3224
Mis-assembly Count:	0
TotalAssembly Size:	22830

Repeat Details

Total Reads Count(Non-Repeat) :	773
Total Reads Count(Repeat):	8
Retetitive Read Count based on (Partitions Identifier):	0
Retetitive Read Count (Entire Read Frequency Identifier):	5
Retetitive Read Count (Contained Read Frequency Identifier):	3
Total Repetitive Sequences Count	15
Total Unique Repetitive Sequences Count	3

Total Repeat Size (Base)			0		
Starting	Ending	Repetitive Sequences	Repeat Count	Length	Positions

SRGD Performance Metrics

Initial Reads Count:	2205
Reads Count after Removing Duplication:	781
Reads Count after Overlapping:	336
Initial Dataset Size in (Base):	440865
Dataset Siset after Removing Duplication:	178158
Dataset Size after Overlapping:	76752

Overlapping Metrics

Repeat Identification Time:	00h:00m:18s:000ms
Overlapping Time:	00h:04m:04s:000ms
Reads Alignment Time:	00h:00m:38s:000ms
Total Hybrid Assembly Time:	00h:04m:42s:000ms
Repeat Annotation Time:	00h:00m:03s:000ms

Overlapping Length	O(N)2 Time Complexity	Hit Index Count	Overlapping Matched Count	RI
200	597529	255	12	0
199	579121	299	33	0
198	529984	203	6	0
197	521284	221	6	0

196	512656	249	7	0
195	502681	204	13	0
194	484416	205	9	0
193	471969	185	2	0
192	469225	249	11	0
190	454276	225	3	0
189	450241	157	1	0
186	448900	192	2	0
184	446224	176	1	0
183	444889	188	1	0
181	443556	244	1	0
178	442225	225	3	0
177	438244	175	4	0
176	432964	826	315	0
174	117649	62	3	0
171	115600	47	1	0
168	114921	46	1	0
165	114244	54	1	0
151	113569	42	7	0
149	108900	54	1	0
148	108241	46	1	0