

Additional file 2. Summary of the assemblies of 454 reads from 24 BACs representing 3,099,952 bp performed with or without Paired-end and with or without the integration of WGP tags at different sequencing coverage

Sequencing coverage	Without Paired-End assemblies											
	Without WGP tag integration						With WGP tag integration					
	Number of contigs	Median contig size	Max contigs size (bp)	Contigs total size (bp)	N90 (bp)	L90	Number of superscaffolds	Number of contigs in the superscaffolds	Max scaffolds size (bp)	Scaffolds total size (bp)	N90 (bp)	L90
50X	329	3649	105,367	3,052,310	4259	155	6	63	473,550	1,751,409	4461	100
45X	336	3628	116,518	3,040,086	4422	158	5	54	467,283	1,495,997	4103	116
40X	338	4618	90,775	3,019,501	3588	177	6	46	476,991	1,293,269	3750	137
35X	397	3437	91,556	3,003,724	2691	216	7	59	348,475	1,379,354	2683	167
30X	425	3818	78,326	2,989,018	2385	251	6	68	429,284	1,460,183	2453	188
25X	502	3169	108,984	2,949,267	1509	333	6	61	347,386	1,177,562	1509	278
20X	710	1903	56,099	2,838,673	634	625	7	64	237,641	948,264	634	568
15X	950	1411	28,174	2,659,233	500	950	5	60	223,826	623,501	500	896

Sequencing coverage	With Paired-End assemblies											
	Without WGP tag integration						With WGP tag integration					
	Number of scaffolds	Max scaffolds size (bp)	Scaffolds total size (bp)	Gap percentage in scaffolds (%)	N90 (kb)	L90	Number of superscaffolds	Number of scaffolds in the superscaffolds	Max superscaffolds size (bp)	Superscaffolds total size (bp)	N90 (kb)	L90
50X	26	1,174,455	3,224,519	8.8%	632.7	4	1	2	684,253	684,253	632.7	4
45X	20	1,192,731	3,217,546	8.8%	631.5	4	0	0	0	0	631.5	4
40X	28	1,137,139	3,228,479	10.3%	631.5	4	1	2	1,181,186	1,181,186	631.5	4
35X	22	730,142	3,200,223	10.6%	447.4	5	2	4	1,177,572	1,812,599	635.0	4
30X	38	725,531	3,246,400	15.3%	443.5	5	2	4	1,169,073	1,825,023	604.4	4
25X	35	729,543	3,299,026	16.6%	336.4	6	2	5	1,184,034	1,817,777	350.2	4
20X	53	617,536	3,299,138	24.1%	33.8	9	4	14	903,180	2,854,113	340.1	6
15X	74	566,582	3,229,635	32.3%	46.6	17	5	23	664,409	2,570,204	298.3	6