

Supplementary Table 1. Assembly statistics using Velvet with different datasets and k-mer length.

A) Untrimmed dataset (72 bp PE and 51 bp SE reads)

	k21	k27	k31	k37	k41	k47	k51	k57
Total reads	106660317	106660317	106660317	106660317	106660317	106660317	106660317	106660317
Used reads	32617049	40551794	49956688	67686347	72612054	78488661	78281592	38738624
Unused reads	74043268	66108523	56703629	38973970	34048263	28171656	28378725	67921693
Nodes	8396251	49716222	3002698	567053	318946	127384	85118	57177
Contigs total	756897	527990	396815	205238	141904	81354	66894	52169
Contigs ≥ 100 bp	155575	195310	207955	150978	115324	74651	66894	52169
N50 (bp)	157	178	198	337	453	675	607	540
Largest contig length (bp)	1317	2303	2668	4605	6785	7827	7554	7086
Smallest contig length (bp)	100	100	100	100	100	100	101	113
Average contig length (bp)	159.95	175.9	189.86	270.31	329.96	431.98	419.57	423.43

B) Trimmed dataset 1 (70 bp PE and 50 bp SE reads)

	k21	k27	k31	k37	k41	k47	k51	k57
Total reads	106660317	106660317	106660317	106660317	106660317	106660317	106660317	106660317
Used reads	34389925	44141062	51194827	69433394	74403005	79986893	39706594	38797979
Unused reads	72270392	62519255	55465490	37226923	32257312	26673424	66953723	67862338
Nodes	7573218	4258282	2769881	500223	274704	111293	78519	53702
Contigs total	741362	503712	379092	191219	130394	76672	64305	50096
Contigs ≥ 100 bp	157409	195331	202363	143385	108086	71217	64305	50096
N50 (bp)	160	184	204	358	486	683	594	504
Largest contig length (bp)	1339	2329	2668	4339	7572	7666	7110	7084
Smallest contig length (bp)	100	100	100	100	100	100	101	113
Average contig length (bp)	161.77	179.98	193051	280.01	343.82	436.49	418.13	408.94

C) Trimmed dataset 2 (65 bp PE and 50 bp SE reads)

	k21	k27	k31	k37	k41	k47	k51	k57
Total reads	106660317	106660317	106660317	106660317	106660317	106660317	106660317	106660317
Used reads	40442090	49556384	65419186	74469209	79329234	82976402	40540612	36361498
Unused reads	66218227	57103933	41241131	32191108	27331083	23683915	66119705	70298819
Nodes	5767585	3383351	900830	349562	185318	84864	65107	39456
Contigs total	703059	455997	296061	156087	103030	66646	58561	38502
Contigs ≥ 100 bp	163740	188548	173048	124200	89671	63365	58561	38502
N50 (bp)	168	200	279	444	642	730	518	381
Largest contig length (bp)	1597	2730	3754	8335	10616	7171	7109	5126
Smallest contig length (bp)	100	100	100	100	100	100	101	113
Average contig length (bp)	167.75	191.02	237.18	316.69	398.82	453.44	394.34	351.53

The N50, largest, smallest and average contige length are given for only the contigs ≥ 100 bp.