

Table S2. An overview of the sequencing and quality of reads from each sample.

Sampling date	Depth	¹ Raw reads	² Unjoined reads	³ High quality reads	⁴ Low quality reads
04 Jun	Surface	279904	1935	258552	19382
	Middle	309552	1798	288666	18680
	Bottom	301956	1743	281470	17736
21 Jul	Surface	294606	2423	270026	20972
	Middle	278252	1743	257822	17976
	Bottom	297738	1728	276542	18878
04 Aug	Surface	202130	1021	189882	11374
	Middle	212194	1224	197980	13312
	Bottom	256416	1094	241440	13992
22 Sep	Surface	356056	54783	241724	5646
	Middle	357448	51594	249294	5800
	Bottom	363996	53832	251542	5588
26 Oct	Surface	361714	12461	328656	8136
	Middle	242786	8689	221592	3816
	Bottom	328198	12286	297226	6400
16 Nov	Surface	343340	14935	305656	7814
	Middle	298736	11857	268646	6376
	Bottom	324856	14010	289974	6862
05 Dec	Surface	251508	18868	207490	6282
	Middle	352656	31621	281412	8002
	Bottom	265134	23089	213334	5622

¹Number of raw sequencing data which has 100bp.

²Number of raw sequencing data which are not assembled.

³Number of raw sequencing data which has high quality.

⁴Number of raw sequencing data which has low quality.