

Supplementary Material

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Supplementary Table S1. Statistics of metagenome assemblies (length of scaffold ≥ 500 bp)

Statistics	SOAPdenovo2	IDBA-UD	OMEGA
Total length of assembly (Mbp) ^a	36.77	345.50	121.12
The number of scaffolds	4,268	163,273	75,978
Scaffolds N50 (bp)	41,037	1,516	2,111
GC contents (%)	26.74	37.12	26.65
N's per 100 kbp ^b	162	1.24	52.26

^aMbp: mega base pair = 1,000,000 bp.

^bKbp: kilo base pair = 1,000 bp.

Supplemental Table S2. Number of chimeric-contigs in each assembler

Contigs	IDBA-UD	OMEGA	SOAPdenovo2
Number of total contigs	10,220	1,660	462
Number of chimeric contigs	7,854	1,270	385
Number of non-chimeric contigs	2,366	390	77