

Table S1 Statistics of genome sequencing of *C. shearer*

Characteristic		Number/size
Hifi Reads	Reads number	1,990,989
	Base number	33,018,636,881
	Mean length (bp)	16,584
	Reads N50 (bp)	16,614
	Depth (X)*	118
Genome survey	Raw reads (PE150)	220,974,708
	Raw bases(bp)	66,292,412,400
Hi-C	Raw reads (PE150)	226,533,976
	Raw bases(bp)	67,960,132,800
RNA-seq	Raw reads (PE150)	40,704,350
	Raw bases(bp)	12,211,305,000

*Estimated by the assembled size 282 Mb