

Transcript type	n	Mean length	Median length	Min length	Max length
Pombase	7,006	1,792.125	1,548	47	15,022
mRNA	5,140	2,055.093	1,789	75	15,022
ncRNA	1,527	1,250.895	1,036	56	5,317
Transcriptome	5,799	1,989.550	1710	164	13,153
ONT dRNA					
Not novel	5,585	2,002.445	1,723	164	13,153
Novel antisense	158	1,391.487	993.5	275	6,742
Novel intergenic	56	667.035	570.5	227	1,549

Table S2. Transcriptome features. Number and length statistics of different collections of transcripts. n refers to the number of transcripts; length is in nucleotides. Pombase gene annotations were downloaded on Feb 1 2021 from <http://www.pombase.org>. mRNA and ncRNA refers to different transcripts types in Pombase. The ONT dRNA transcriptome was obtained by *de novo* transcript assembly of direct RNA ONT sequencing reads with Stringtie. The number of genome mapped reads employed was 5,054,233. Novel transcripts were subsequently defined as those not overlapping any annotated gene in the same orientation. Those that overlapped other genes in the opposite orientation were classified as antisense.