

Supplementary Table 2 Effect of copper-catalyzed and copper-free click reactions on RNA integrity and nanopore read quality. The RIN was measured from *S. cerevisiae* total RNA after enzyme treatment and purification for each step of the cap-adaptation process using an Agilent RNA 6000 Nano Kit (mean $\pm$ SD for n = 2 experiments). Percent cap-adapted is the percent of poly(A) RNA nanopore reads identified by Porechop as cap-adapted. The read N50 is where half of the total bases sequenced are in reads of that length or longer.

	No Treatment	yDCPS	VCE	Copper-catalyzed Click Adaptation	Copper-Free Click Adaptation
RIN	9.5 $\pm$ 0.1	9.4 $\pm$ 0.4	8.1 $\pm$ 0.2	6.7 $\pm$ 0.2	8.1 $\pm$ 0.7
Percent cap-adapted	-	-	-	13.40%	38.40%
N50	957 nt	-	-	692 nt	744 nt