

**Fig. S4**. Pentose release from pine lignocellulose by three recombinant enzymes that represent genes sampled from the *R. flavipes* host gut transcriptome. Glucose release (black bars) is shown for reference. See *Materials and Methods* and preceding figures for methodological details. Results show expected degrees of glucose release, but virtually no pentose release, indicating that Cell-1 and β-glu are highly specific to β-1,4 glucose linkages.