



Figure 5-figure supplement 1. Custom Epi-ID experiments with controls.

A) Custom Epi-ID experiment shown in Figure 5B, with the control strains included in the experiment. All strains harboured a *LEU2* CEN plasmid (empty or containing *GCN5*, as indicated) and were grown up in a pool in YC-LEU. *Gcn5** contains the F221A mutation, which abrogates catalytic activity. One replicate for *set1Δ* and *set2Δ*, three replicates for *dot1Δ*, *bre1Δ* and *ubp8Δ*, 5 or 6 replicates per *gcn5Δ* mutant and ten replicates of wild type. B) Custom Epi-ID results for H2Bub, H3K4me3 and H3K36me3, from the same experiment as shown in panel A. *Gcn5* data as shown in Figure 5C. H2Bub and H3K36me3 are expected to be low at this intergenic (promoter-like) locus, explaining why the controls for these marks show smaller decreases than for H3K4me3, which is enriched around the transcription start site. C) Independent custom Epi-ID experiment. Like in panel A, but with five wild types and three replicates per *GCN5* mutant.