



FIGURE S2.—The *HMR-I* silencer and *tRNA<sup>Thr</sup>* gene help maintain Sir2p at *HMR* when deacetylase activity is reduced. (A) Sir2p association with *HMR* in the presence of either wild-type Sir2p alone (LRY1007) or Sir2p and catalytically inactive Sir2-N345Ap (LRY0804). Values in A-D represent the averages of at least 3 independent experiments. It is expected that the polyclonal antibody against Sir2p recognizes both wild-type Sir2p and mutant Sir2-N345Ap, which differs from the wild-type at only one amino acid. (B) Sir2p association with *HMR-ΔtRNA<sup>Thr</sup>* in the presence of Sir2p alone (LRY2302) or Sir2p and Sir2-N345Ap (LRY2303). (C) Sir2p association with *HMR-ΔI* in the presence of Sir2p alone (LRY2315) or Sir2p and Sir2-N345Ap (LRY2316). (D) Sir2p association with *HMR-ΔI ΔtRNA<sup>Thr</sup>* in the presence of Sir2p alone (LRY2309) or Sir2p and Sir2-N345Ap (LRY2352).