**Figure S2** Universal primers (A) and strategy (B) used for the construction of barcoder strains. UPTAG and DOWNTAG primer pairs used to amplify the kanamycin resistance cassette with 20-mer barcodes are shown. Primers U2 and D1 are homologous to the *kanMX* cassette, and U1 and D2 are homologous to the *ho* locus. PCR reactions were performed using Platinum PCR Supermix High Fidelity (Invitrogen). The transformants were selected by replicating onto standard yeast peptone dextrose (YPD) + G418.