



**Figure S2.** Sample intersections for IESs excised with reduced efficiency ( $IRS_{F1} > IRS_{F0}$ , Binomial test,  $P_{adj} < 0.05$ ) (A) and increased efficiency ( $IRS_{F1} < IRS_{F0}$ , Binomial test,  $P_{adj} < 0.05$ ) (B) after nuclear replacement.