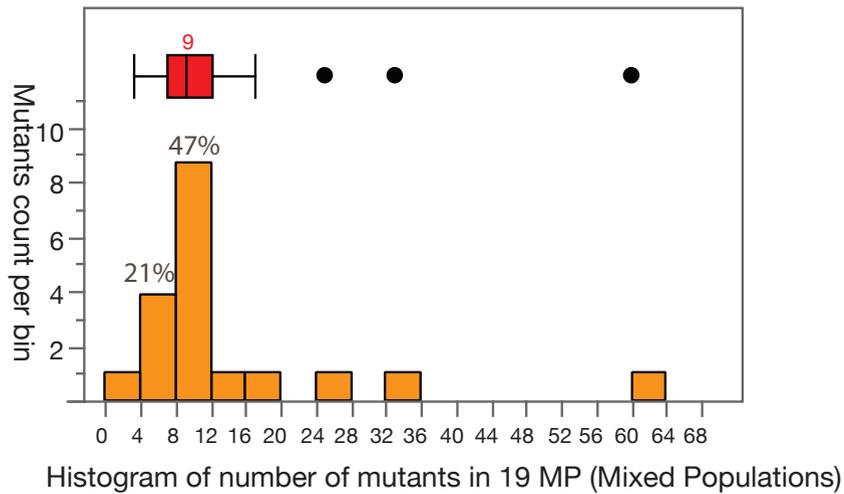
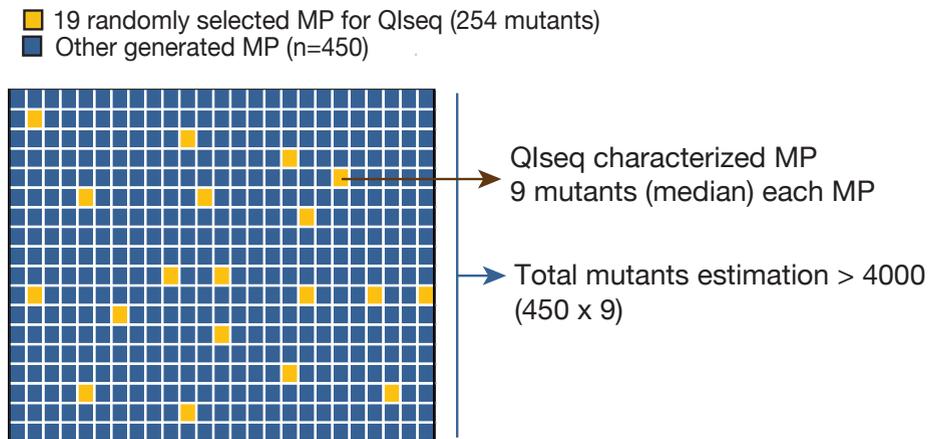


A QIseq characterized 19 MPs (Mixed Populations) with 254 mutants
(Median value = 9)



B Estimation of mutants number in a single round of transfection



Supplement Fig S3: Calculations for large-scale whole genome mutagenesis using *piggyBac* and QIseq. A. A histogram of depicting the number mutants in the 19 MPs (mixed populations) analyzed by QIseq in the current study. About half of the tested MPs (47%) contained 8-12 mutants each, with median value 9. B. Schematic illustration of the experimental set up sampling 19 MPs in a large-scale transfection, based upon estimation of mutants number in a single round of transfection (n = 450 MPs). An estimated 450 MPs could be generated in a single round of transfection and, with a median number of mutants in each MP predicted to be 9, a total mutant number created is estimated to be over 4000 (450 x 9).