

Description of Additional Supplementary Files

Supplementary Data 1: Supplementary tables including supplementary Table 1, a list of PAM sites used in CRISPR DBUGS, Supplementary Table 5, a list of genes interrupted by the SwAP-IN protocol, and assignment of LEU2 or URA3 markers interrupting coding sequences with annotated deleterious phenotypes of the interrupted genes from the Saccharomyces Genome Database, supplementary table 6, a list of strains used in this study, Supplementary table 7 a list of vectors used in the construction of synXVI, supplementary table 8 which is a list of genotypic details of major synXVI strains detailed in this study and supplementary Table 9 a list of oligonucleotides used for tag analysis in this study