

Supplementary Figure 3: Schematic representation of the construction of the vector pool. The gene of interest was cloned into the donor vector pENTRTM/D-TOPO[®], which was then transferred into the gateway pool of recipient vectors (i.e., consisting of JMP62-derived plasmids containing different vectors) using LR Clonase[®]. The LR reaction was used to transform *E. coli*. DNA was then extracted from the *E. coli* pool and digested by *NotI*. The resulting pool of expression cassettes was used to transform *Y. lipolytica*.

