

Figure S1. Scheme for the biosynthesis pathway of β -barbatene in *S. cerevisiae*. Endogenous genes are shown in black italic font. Heterologous genes are shown in red italic font. *FvSTS08*: *Flammulina velutipes* β -barbatene synthase; *DPP1*: phosphatidate phosphatase DPP1; *LPP1*: phosphatidate phosphatase LPP1; FPP: farnesyl diphosphate.

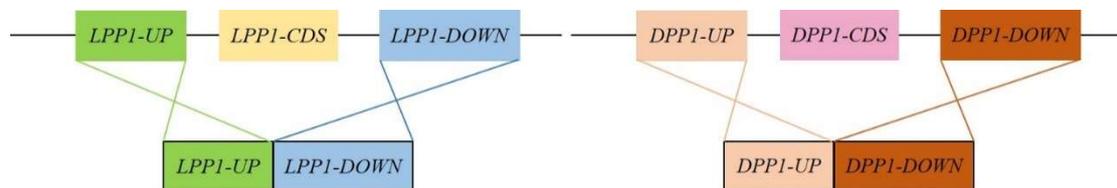


Figure S2. Preparation of DNA donor expression box of genes to be knock out.