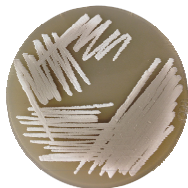
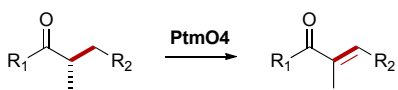


Dual PTM-PTN  
Overproducing Mutants



SB12030  
( $\Delta ptmR1 \Delta ptmO4$ )



$R_1 = \text{SCoA or OH}; R_2 = \text{M}$

$R_1 = \text{SCoA or OH}; R_2 = \text{N}$

