

## **Supplementary Materials for**

# **Engineering the *meso*-Diaminopimelate Dehydrogenase from *Symbiobacterium thermophilum* by Site-Saturation Mutagenesis for D-Phenylalanine Synthesis**

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**TABLE S1** Primers for site-saturation and site-directed mutagenesis<sup>a</sup>

	Primers (5' to 3')
F146X	CACCTACACCAAC <b>N</b> KGGTCCGGGTATGTCTATG GACATACCCGGACCM <b>N</b> NGTTGGTGTAGGTGATAC
T171X	CTGTCTATG <b>N</b> KATCCCGGCGGGTATG CCATACCCGCCGGGATM <b>N</b> NCATAGA
R181X	GTG TTCACAA <b>N</b> KGCGGTTTACGTTGAAC TCCAGTTCAACGTAAACCGCM <b>N</b> NTTTGTG
H227X	GCTGATGGACGTTGGT <b>N</b> KGGTGTGTTATG GTTCCATAACAACACCM <b>N</b> NACCAACGTCCATC
T171S	CTGTCTATG <b>T</b> CTATCCCGGCGGGTATG CCATACCCGCCGGGAT <b>A</b> GACATAGA
R181F	GTG TTCACAA <b>T</b> TTGCGGTTTACGTTGAAC TCCAGTTCAACGTAAACCG <b>C</b> AAATTTGTG

<sup>a</sup>The bold letters were nucleotides changed.

