

Table S1 Primers used in this study.

Name	Nucleotide
Primers for gene deletion	
hsd4A-U-F	atagaatacataggatccgtcgactggtgacgagcttcagccccgcg
hsd4A-U-R	tgcagtgtccccgctgaggtcgatggcttcggcacggccgagg
hsd4A-D-F	tcggccgtgccgaagccatcgacctcagcggggcactgcacgat
hsd4A-D-R	cgttgttgccattgctgcagcttaagcggcggaagcggagtggtggcg
fadA5-U-F	tatagaatacataggatccgtcgacctcacacgctctcggccttgatcttgac
fadA5-U-R	ttgtcgggtgcgctccagctcgaggagctcgggtggcgtggaggcc
fadA5-D-F	tccacgccaccgagctcctcgagctggagcgcaccgacaagagcacg
fadA5-D-R	cgttgttgccattgctgcagcttaagtggccgccgcgaacagtgaacatgc
Primers for gene overexpression and verification	
hsd4A-F	atgaccactgacgacgetca
hsd4A-R	tcagtctcgtgacgcatca
fadA5-F	atgggtaaccctgtcatcgtcg
fadA5-R	tcagatccgctcgatgatggt
p40-opccR-F	ccatcaggaggaatcctgcatgaccgacatgcattatgtcgttac
p40-opccR-R	gtgcgaagtgattcctccgcttaagtaccagtcacacccggaatcg
p40-F	attcgccgcccgaatgag
p40-R	ttgatgcctggcagtcgatcg

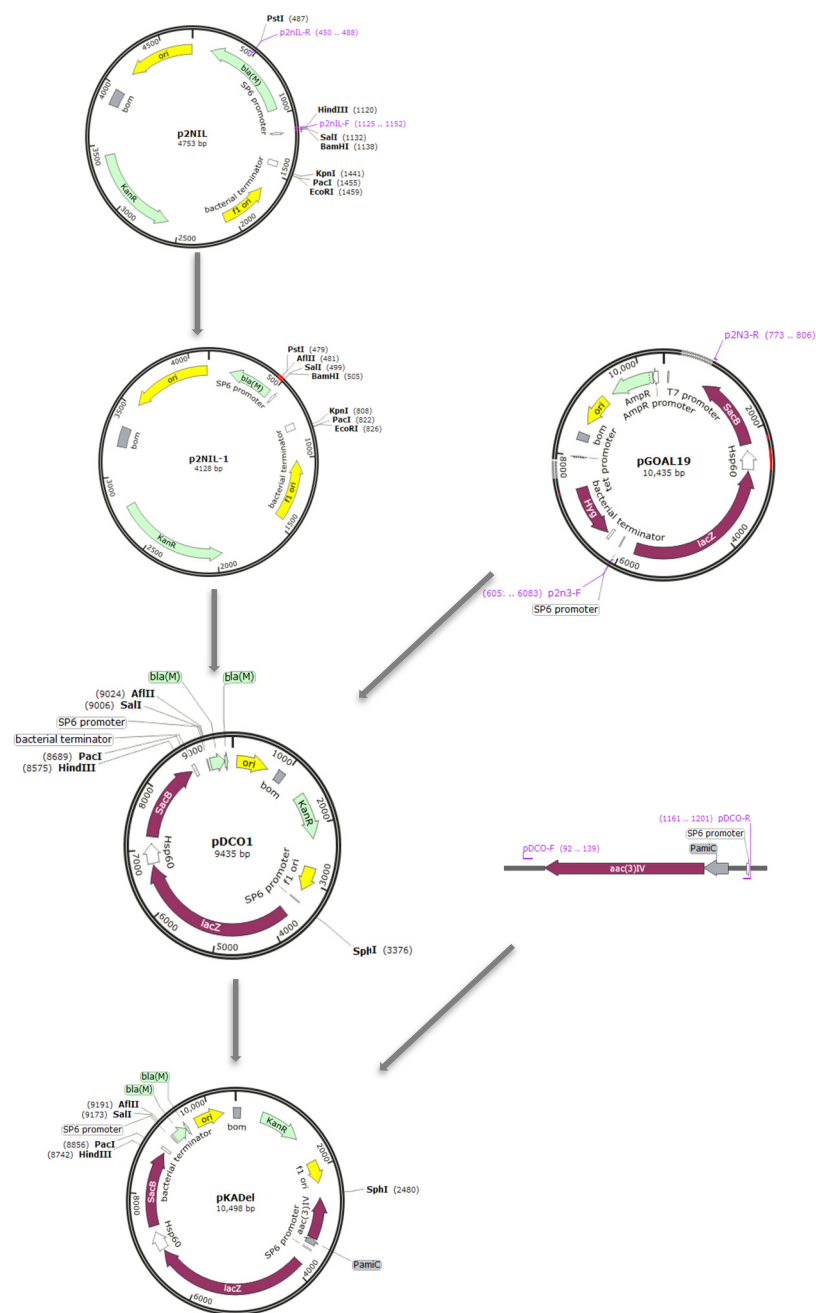


Figure S1 Construction of suicide plasmid pKADel.