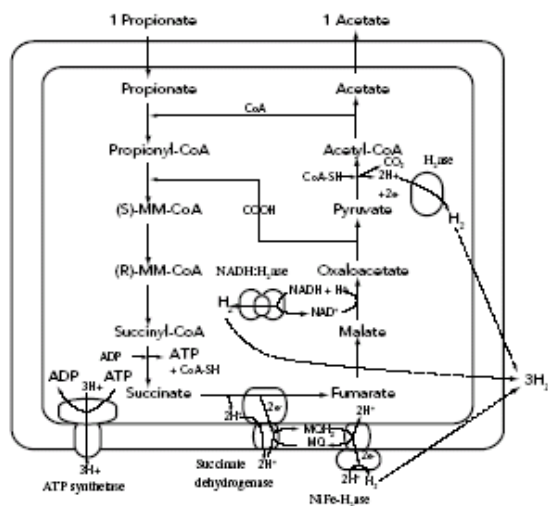
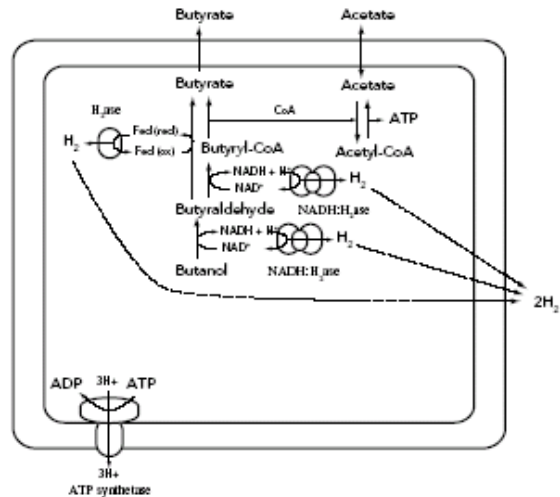


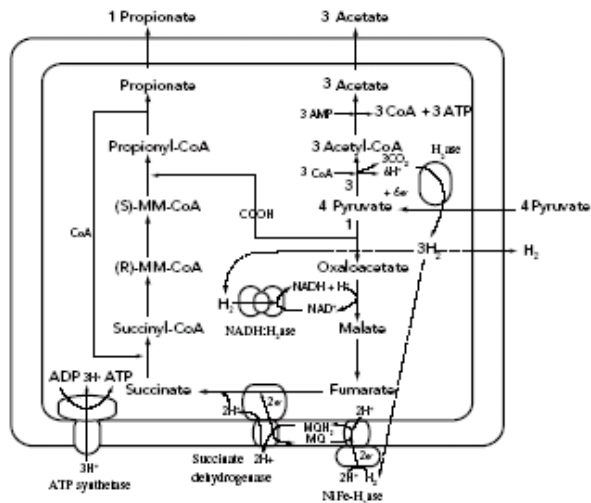
A. Propionate



B. Butanol



C. Pyruvate



D. Fumarate

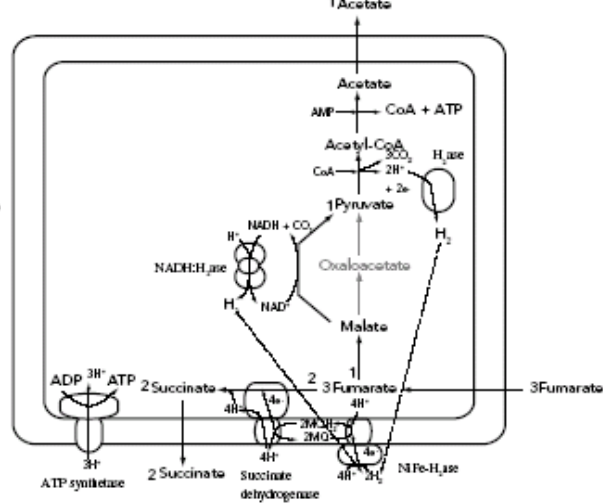


Fig. S3. Carbon and electron flows in *P. thermopropionicum* growing on four different substrates. A, propionate; B, 1-butanol; C, pyruvate; D, fumarate. H₂ase, hydrogenase; NADH:H₂ase, NADH-utilizing hydrogenase; MQ, menaquinone; MQH₂, menaquinol.