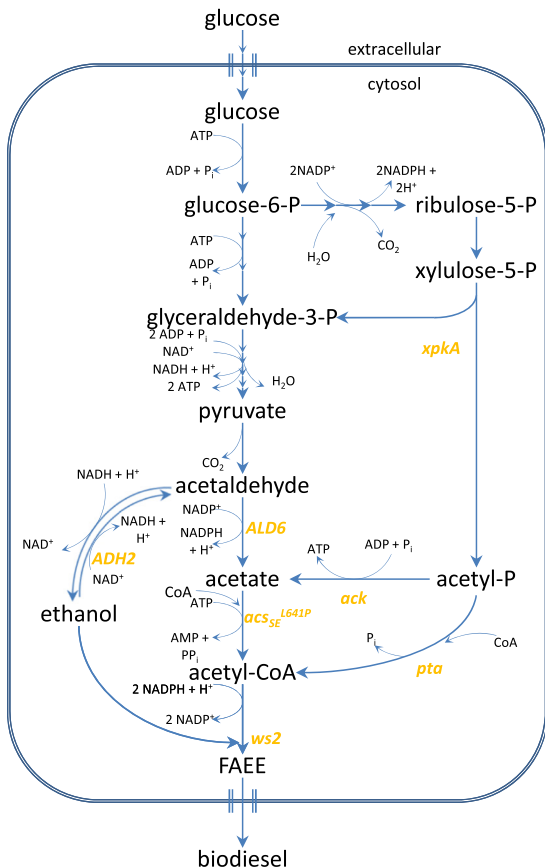
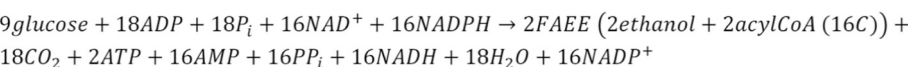
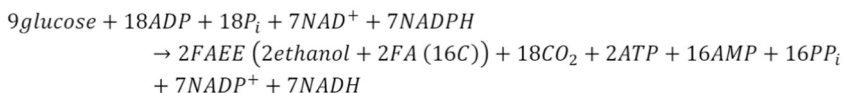


A**B**

FAEE production via EMP pathway



FAEE production via PPP and PHK pathway genes *xpkA* and *ack*



FAEE production via PPP and PHK pathway genes *xpkA* and *pta*

