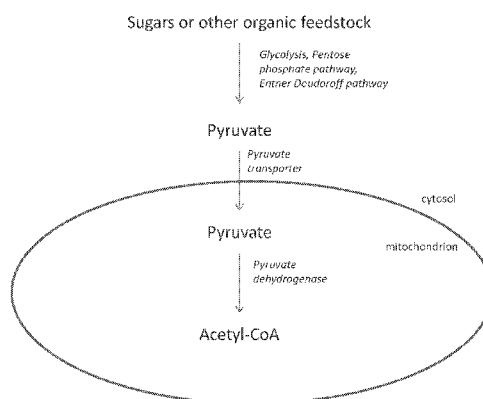




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(54) **Title:** EUKARYOTIC ORGANISMS AND METHODS FOR PRODUCING 1,3-BUTANEDIOL**Figure 1**

(57) **Abstract:** Provided herein are non-naturally occurring eukaryotic organisms that can be engineered to produce and increase the availability of cytosolic acetyl-CoA. Also provided herein are non-naturally occurring eukaryotic organisms having a 1,3-butanediol (1,3-BDO) pathway, and methods of using such organisms to produce 1,3-BDO.



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