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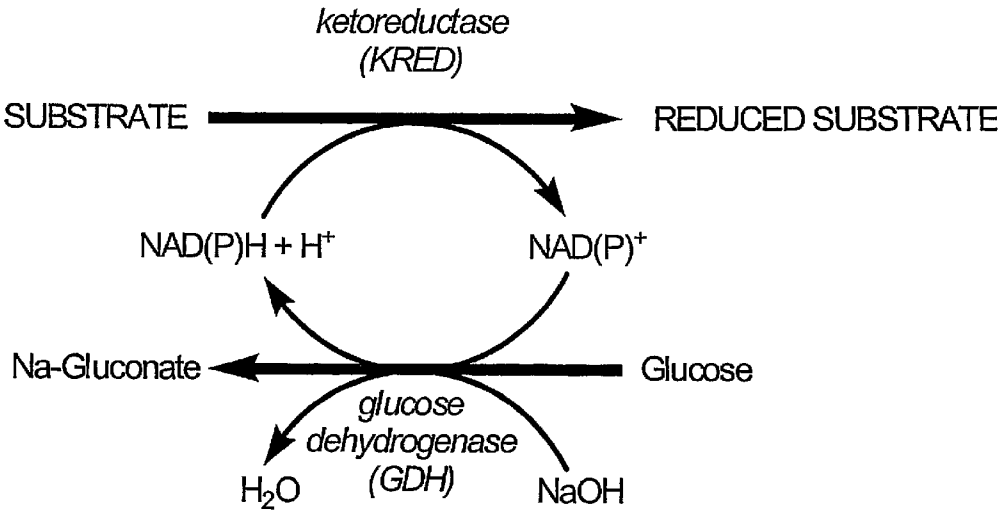
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(54) Title: IMPROVED GLUCOSE DEHYDROGENASE POLYPEPTIDES AND RELATED POLYNUCLEOTIDES



(57) Abstract: The present invention is directed to glucose dehydrogenase (GDH) polypeptides that have enhanced GDH activity and/or thermostability relative to the backbone wild-type glucose dehydrogenase polypeptide. In addition, the present invention is directed to a plynucleotide that encodes for the GDH polypeptides of the present invention, to nucleic acid sequences comrpising the polynucleotides, to expression vectors comprising the polynucleotides operatively linked to a promoter, to host cells transformed to express the GDH polypeptides, and to a method for producing the GDH polypeptides of the present invention.

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