

$\Delta G_0 = -348.74$
 $4 \text{ NADH} + 4 \text{ NADP}^+ + 4 \text{ Diphosphate} + 4 \text{ AMP} + \text{GTP} + \text{Cellobiose} = \text{H}_2\text{O} + 3 \text{ ATP} + 4 \text{ NAD}^+ + 4 \text{ NADPH} + \text{ADP} + 2 \text{ Orthophosphate} + 4 \text{ CO}_2 + \text{GDP} + 4 \text{ Ethanol}$

Analysis of flux set: gapn

