

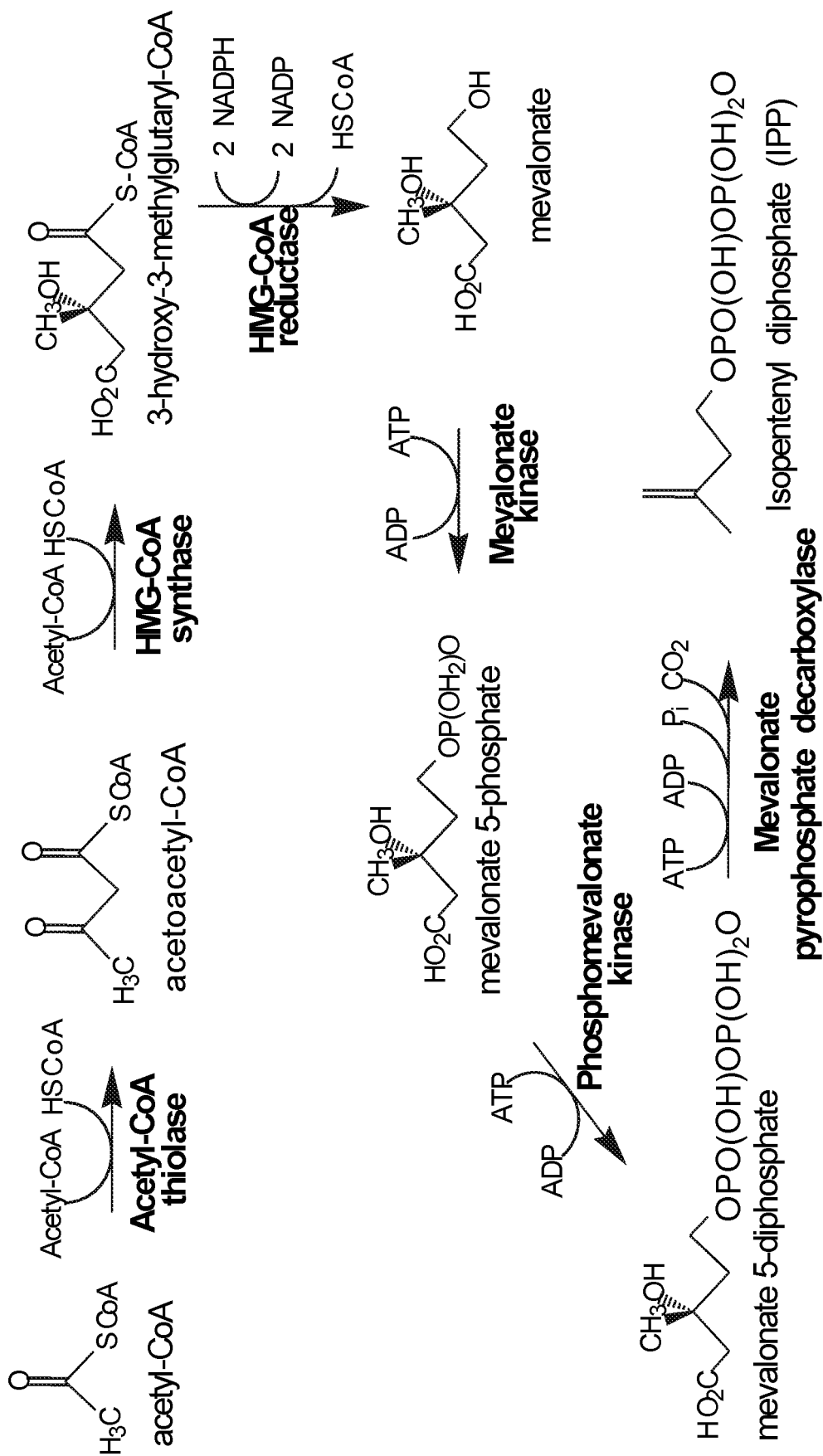


FIG. 1

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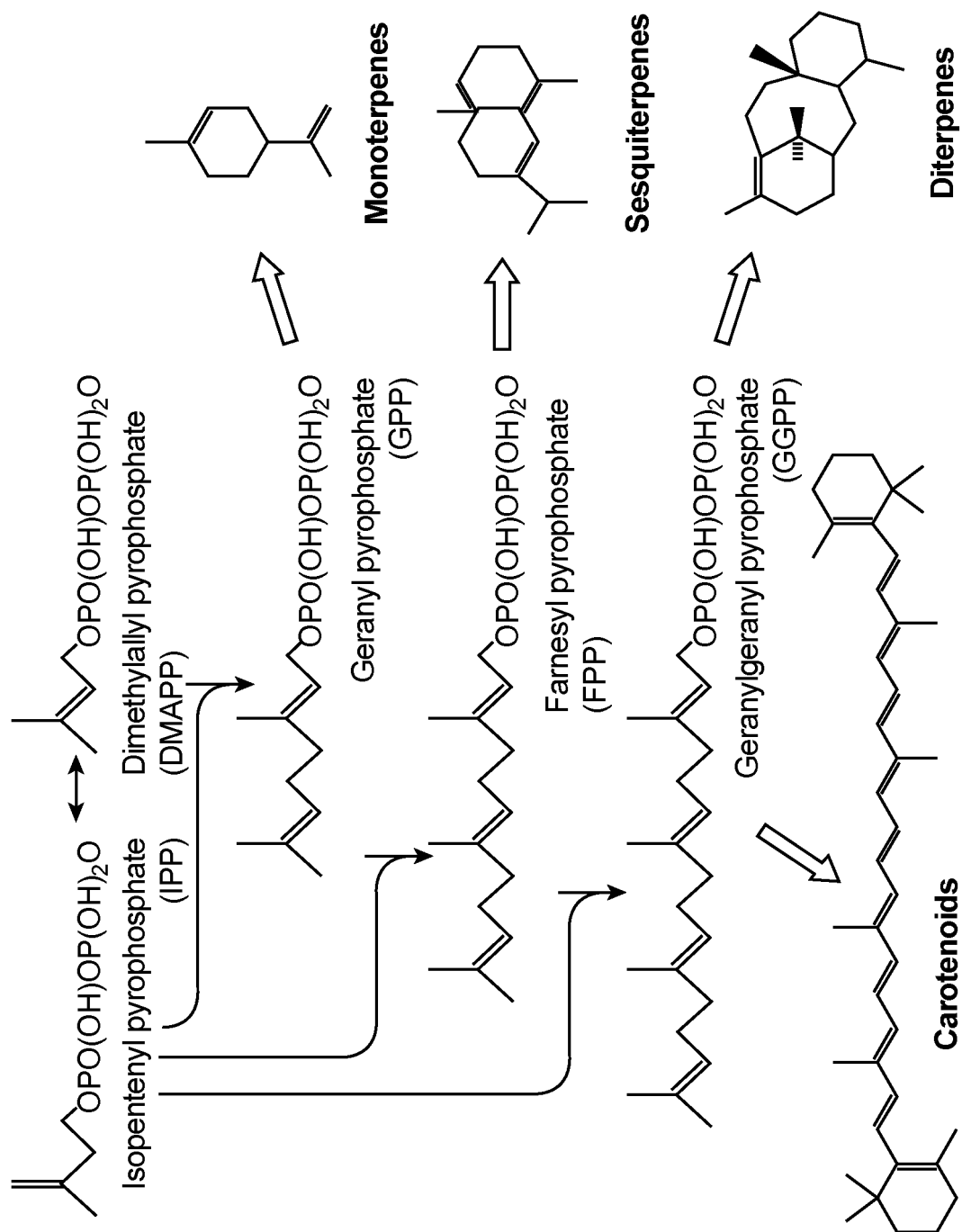


FIG. 2

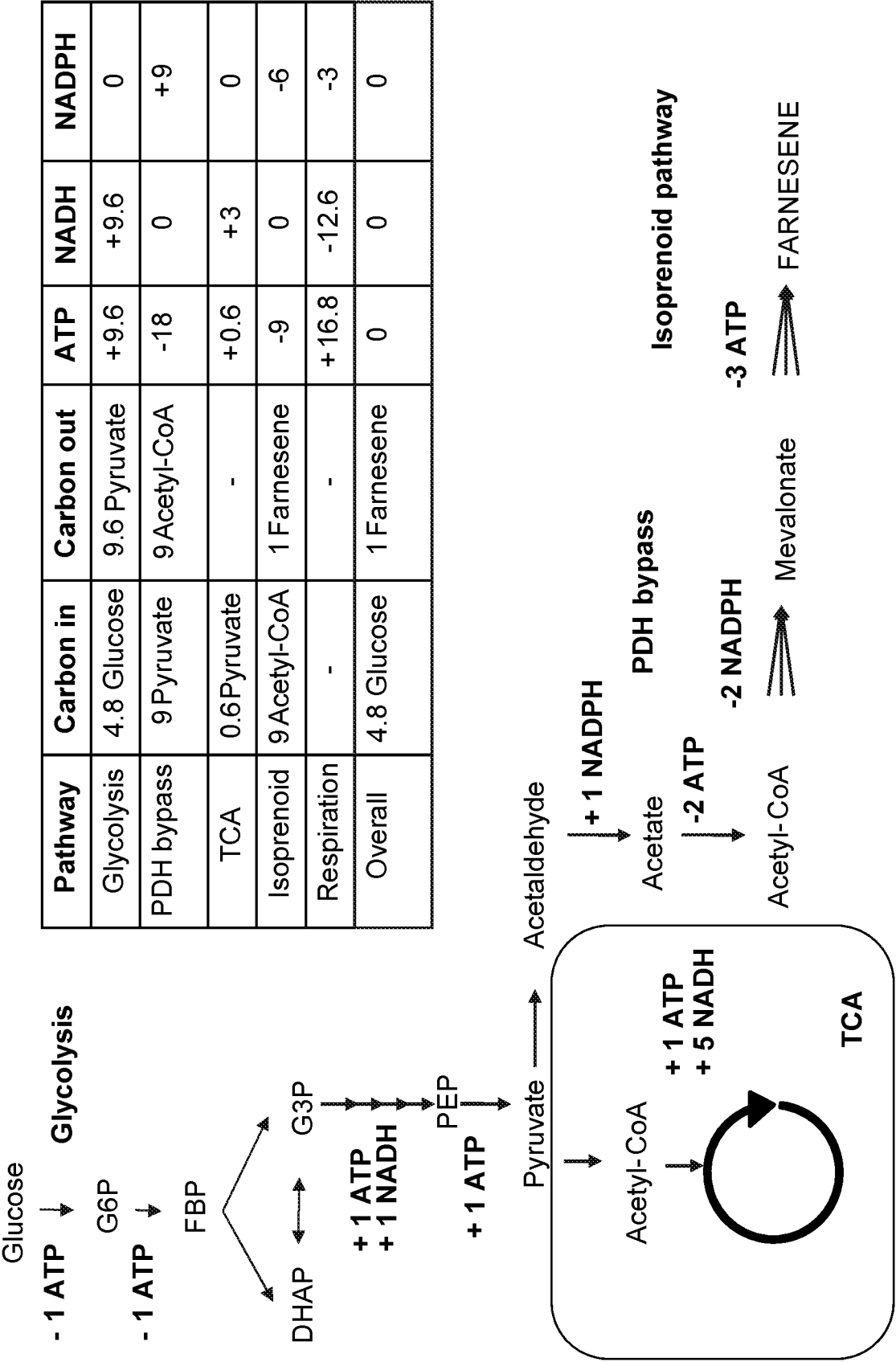


FIG. 3

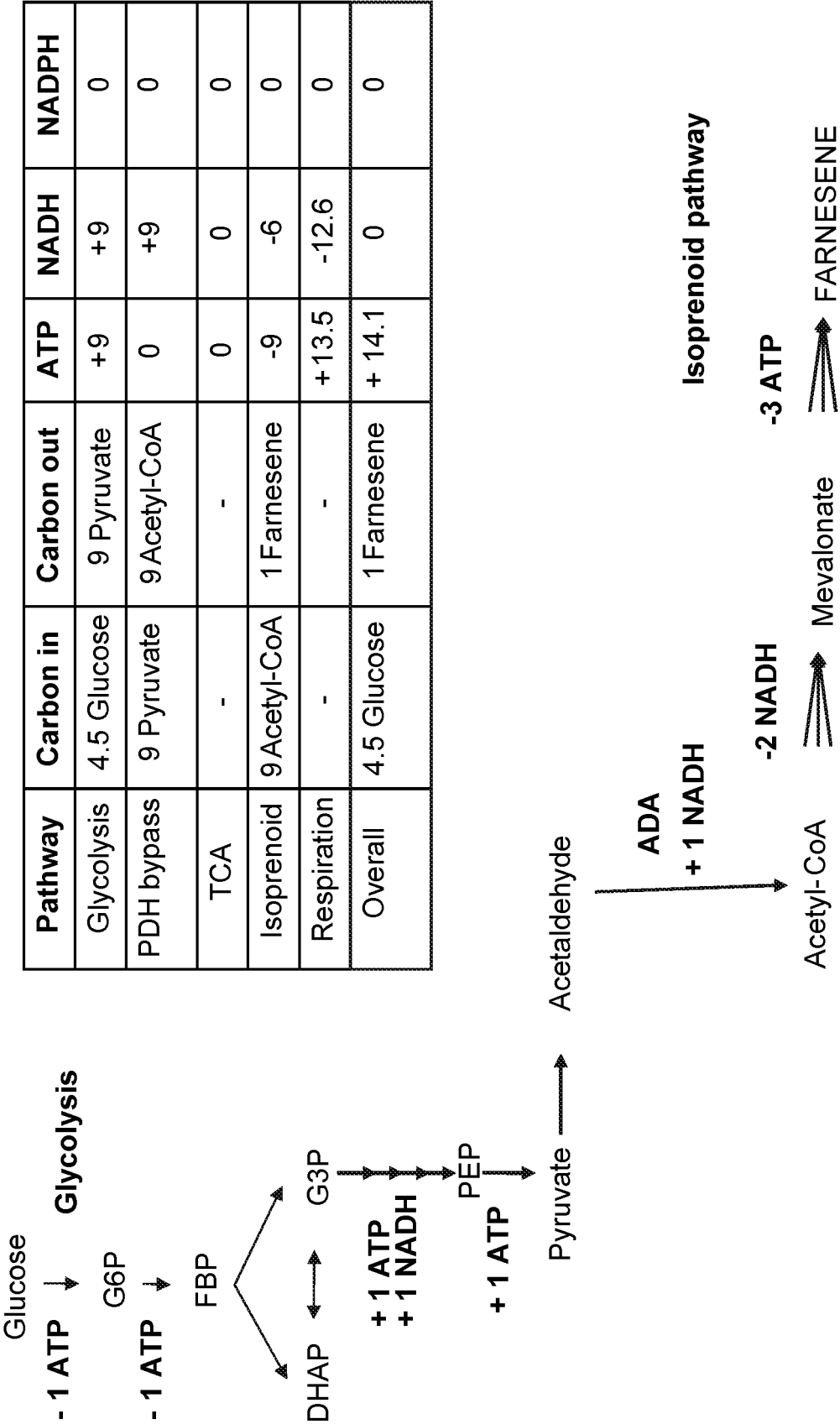


FIG. 4

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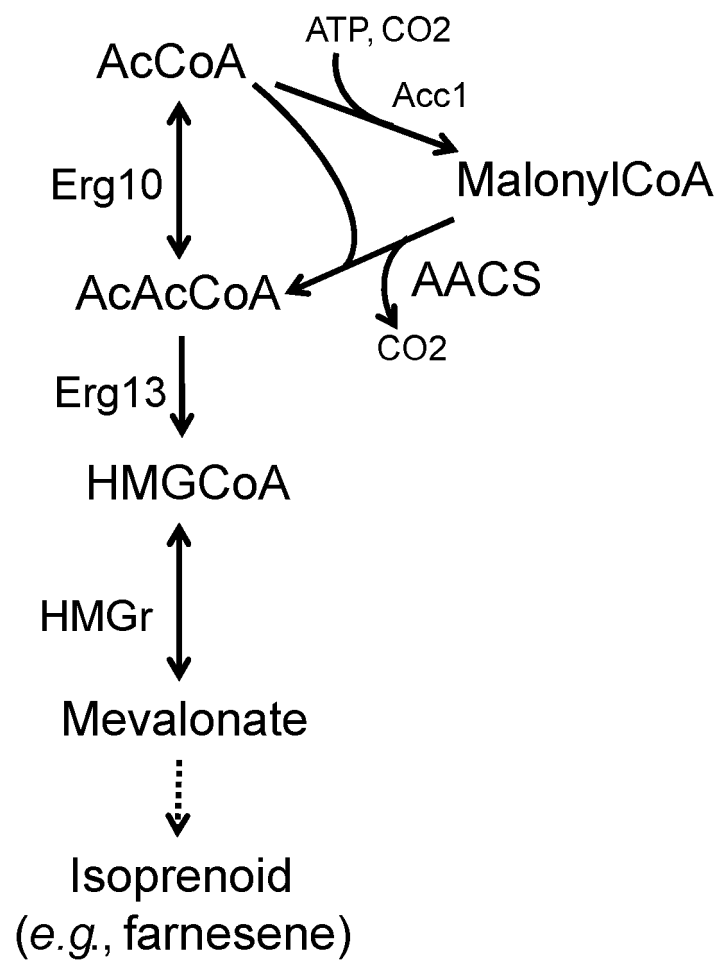


FIG. 5

Pathway	Carbon in	Carbon out	ATP	NADH	NADPH
Glycolysis	4.5 Glucose	9 Pyruvate	+9	+9	0
PDH bypass	9 Pyruvate	9 Acetyl-CoA	0	+9	0
TCA	-	-	0	0	0
Isoprenoid	9 Acetyl-CoA	1 Farnesene	-12	-6	0
Respiration	-	-	+13.5	-12.6	0
Overall	4.5 Glucose	1 Farnesene	+ 11.1	0	0

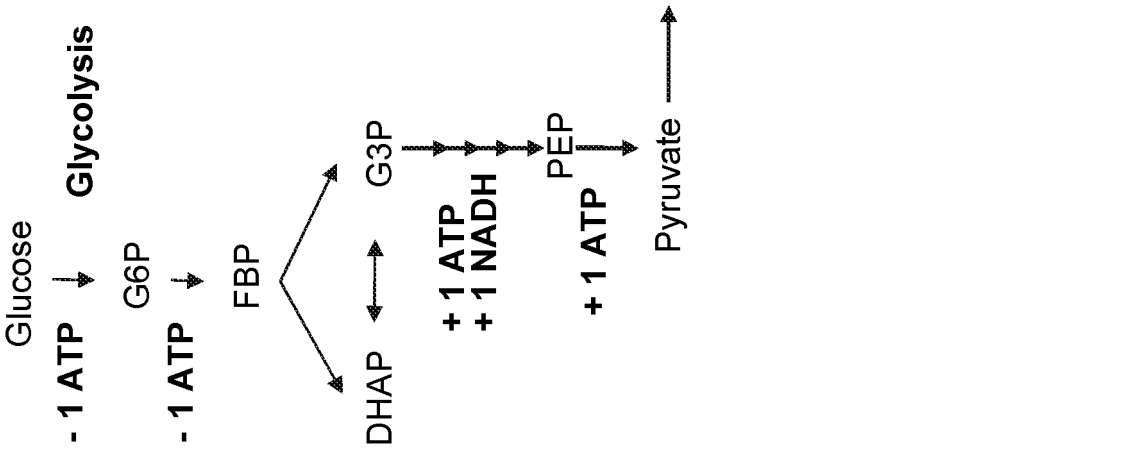


FIG. 6

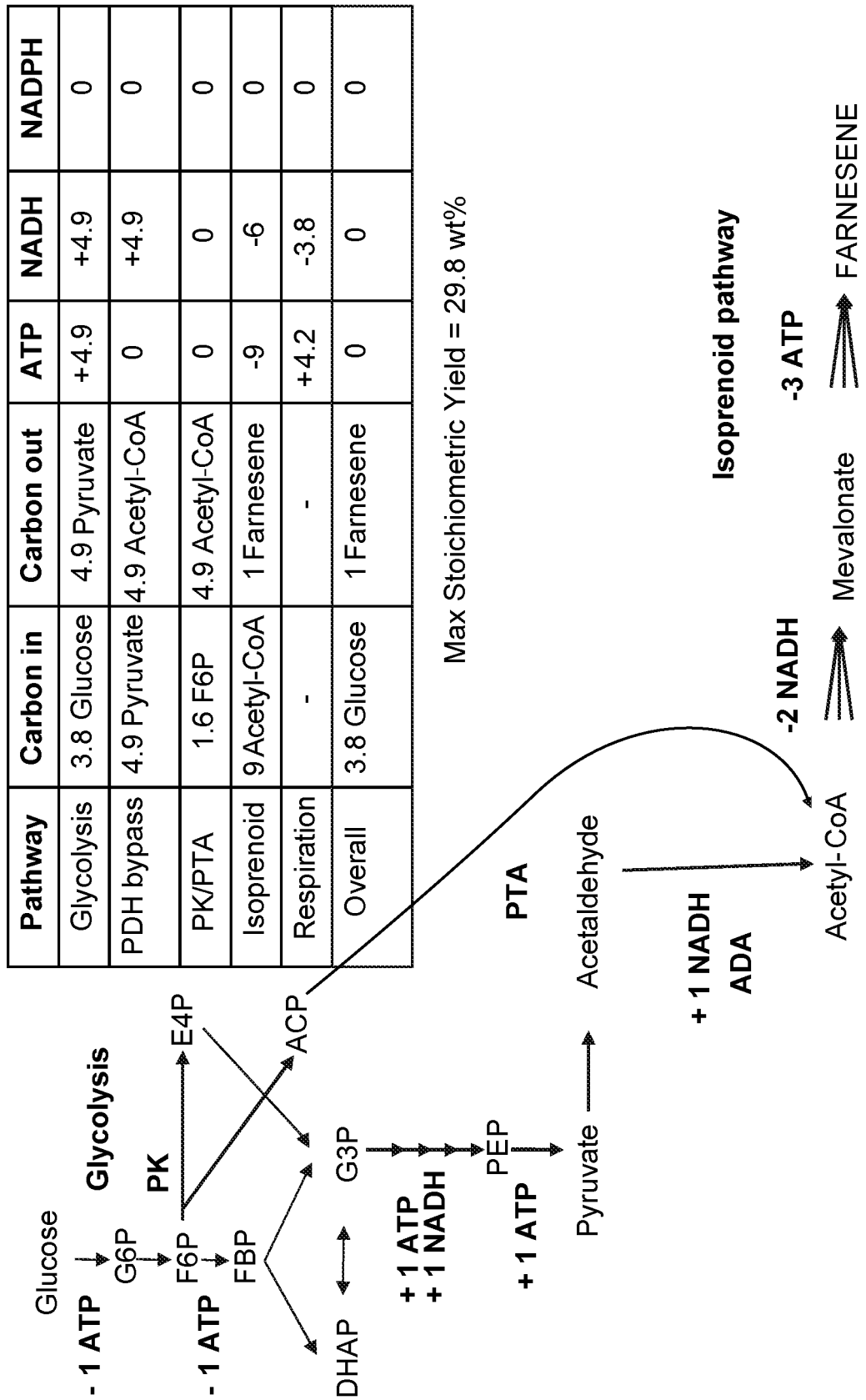


FIG. 7

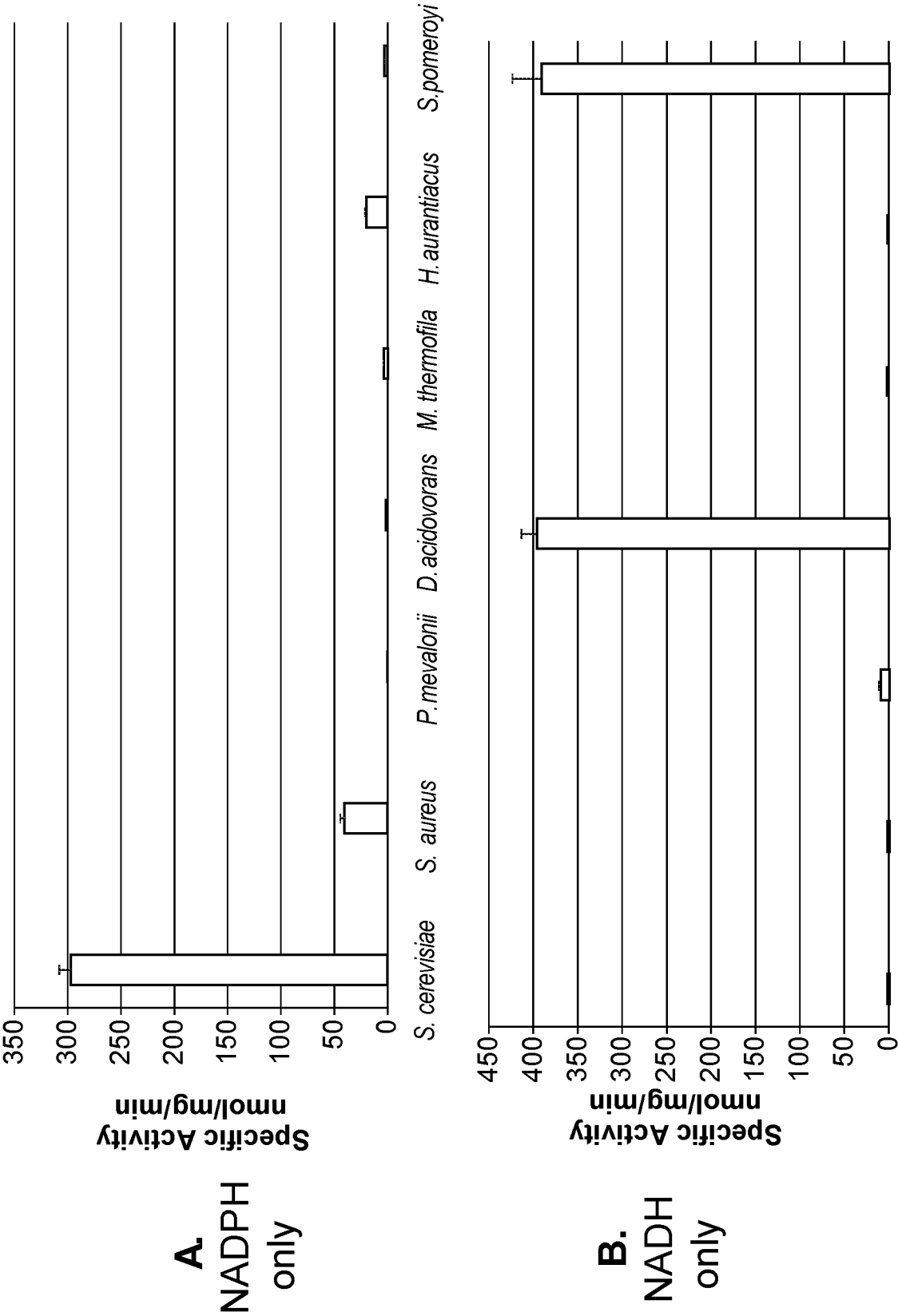


FIG. 8

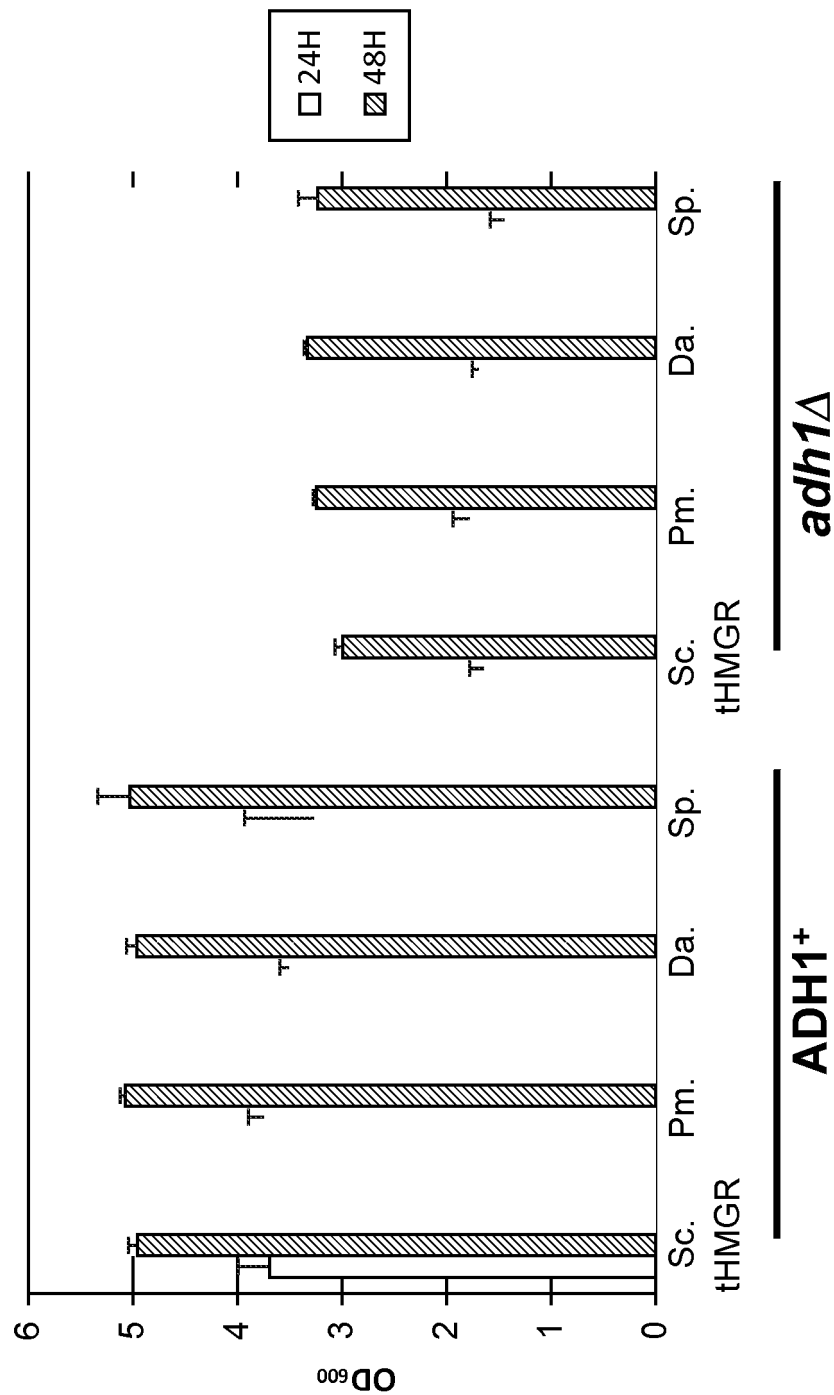


FIG. 9

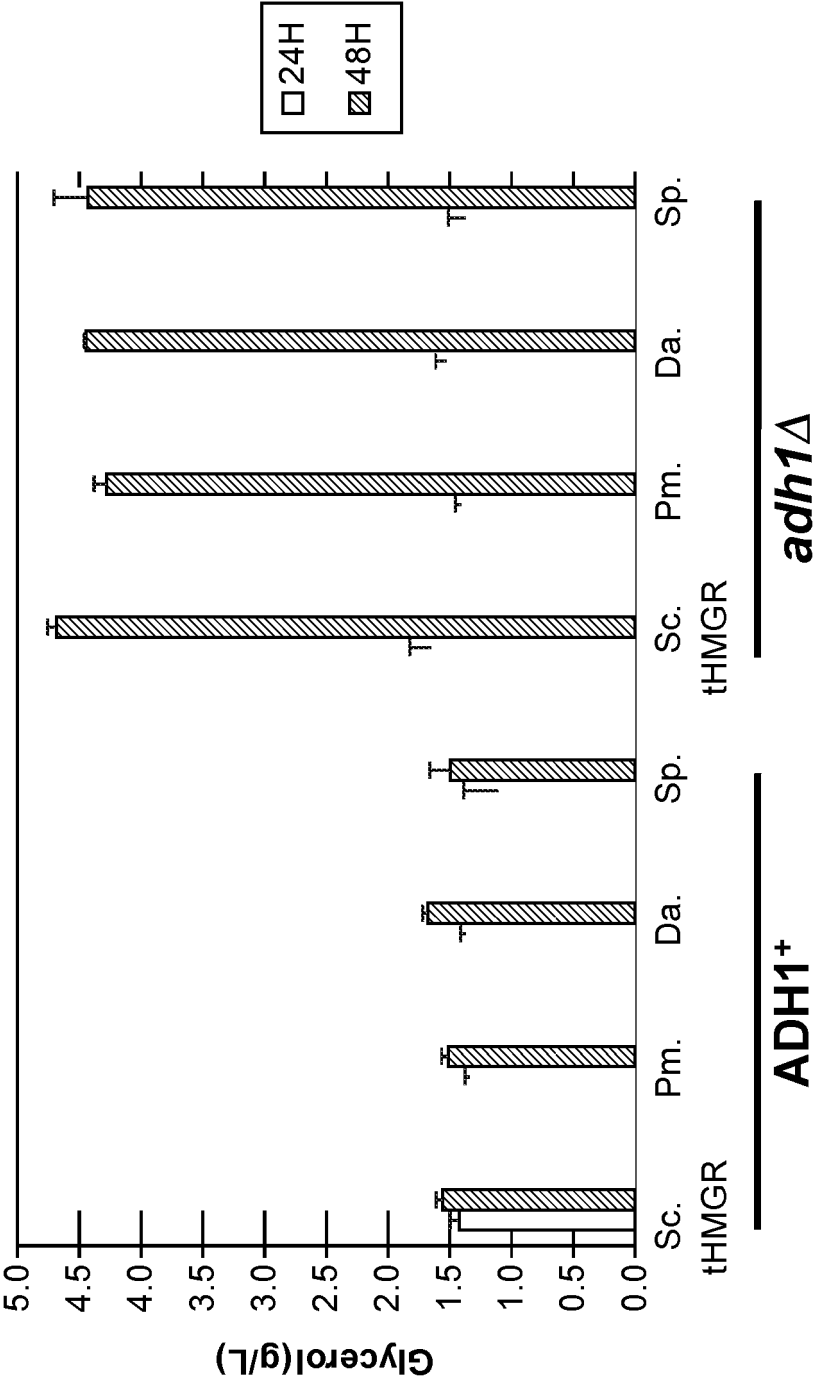


FIG. 10

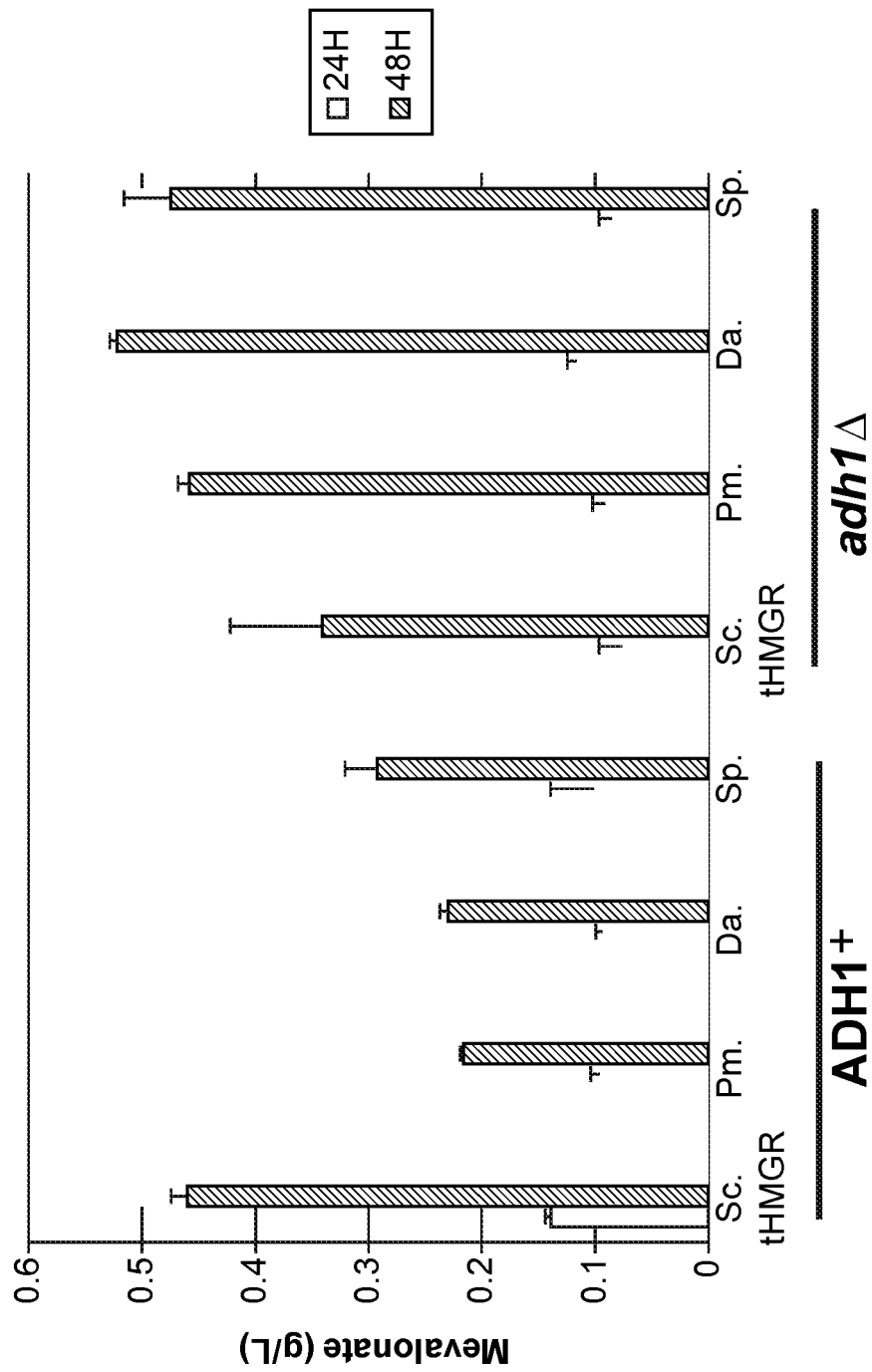


FIG. 11

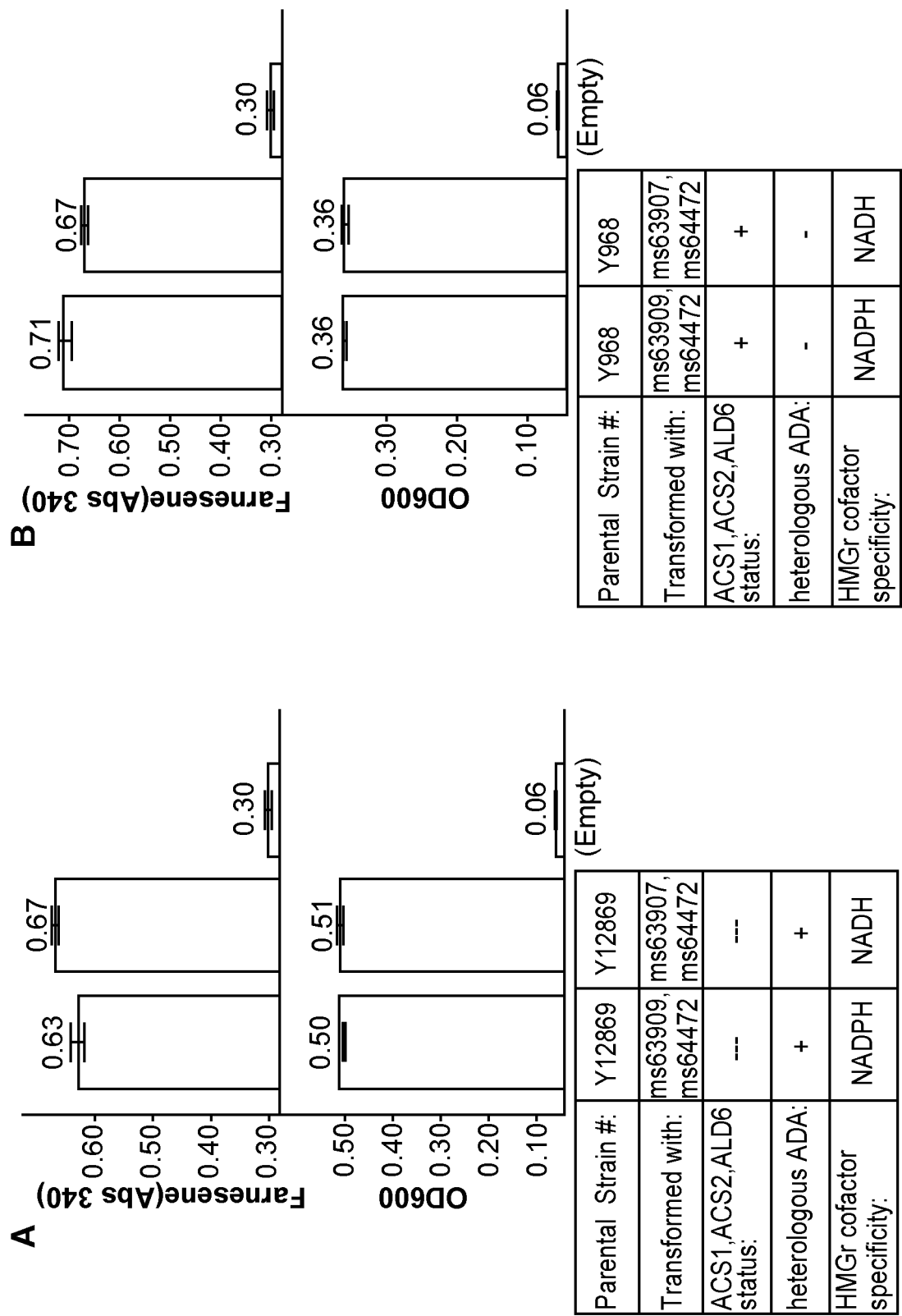


FIG. 12

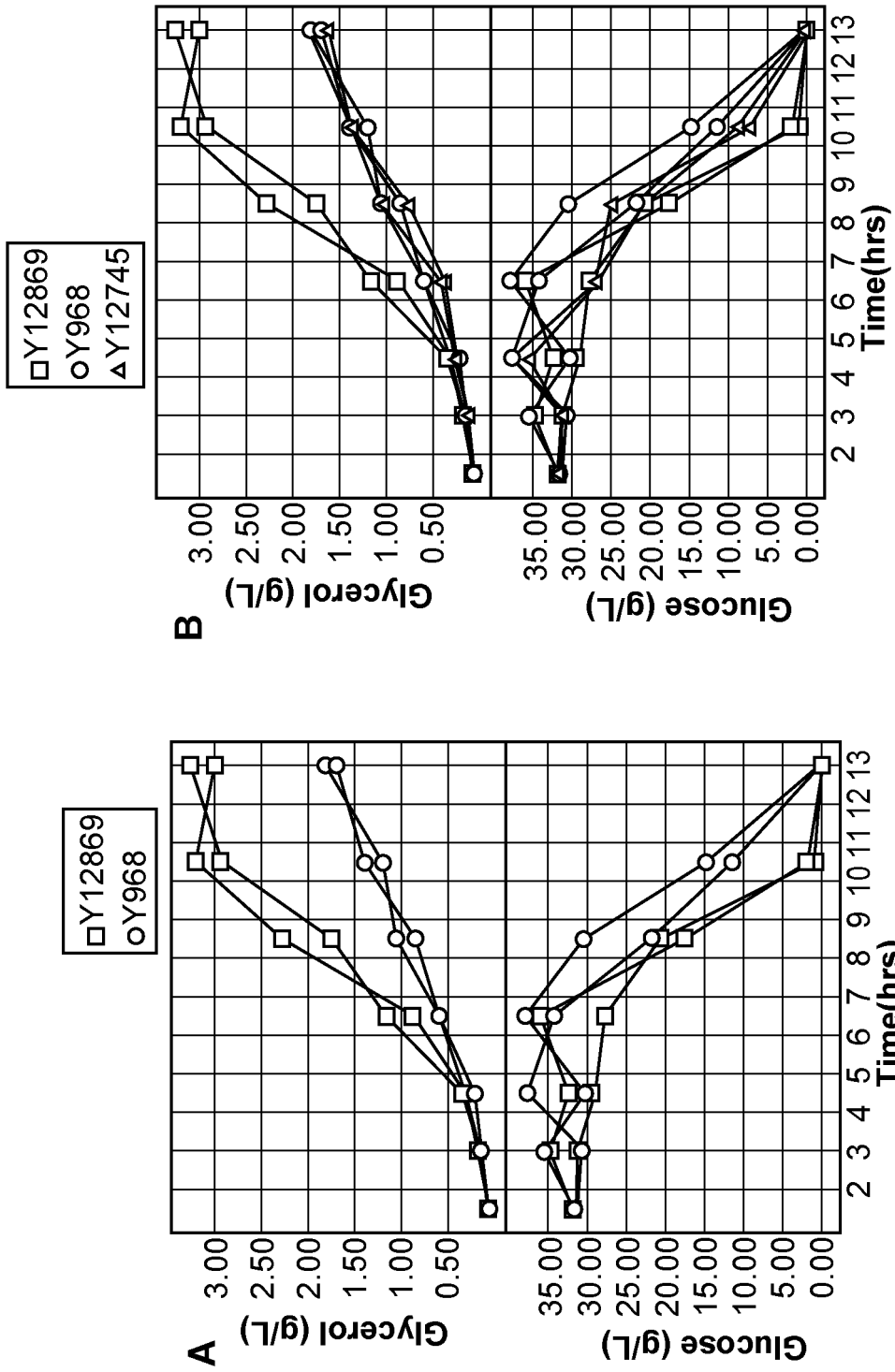


FIG. 13

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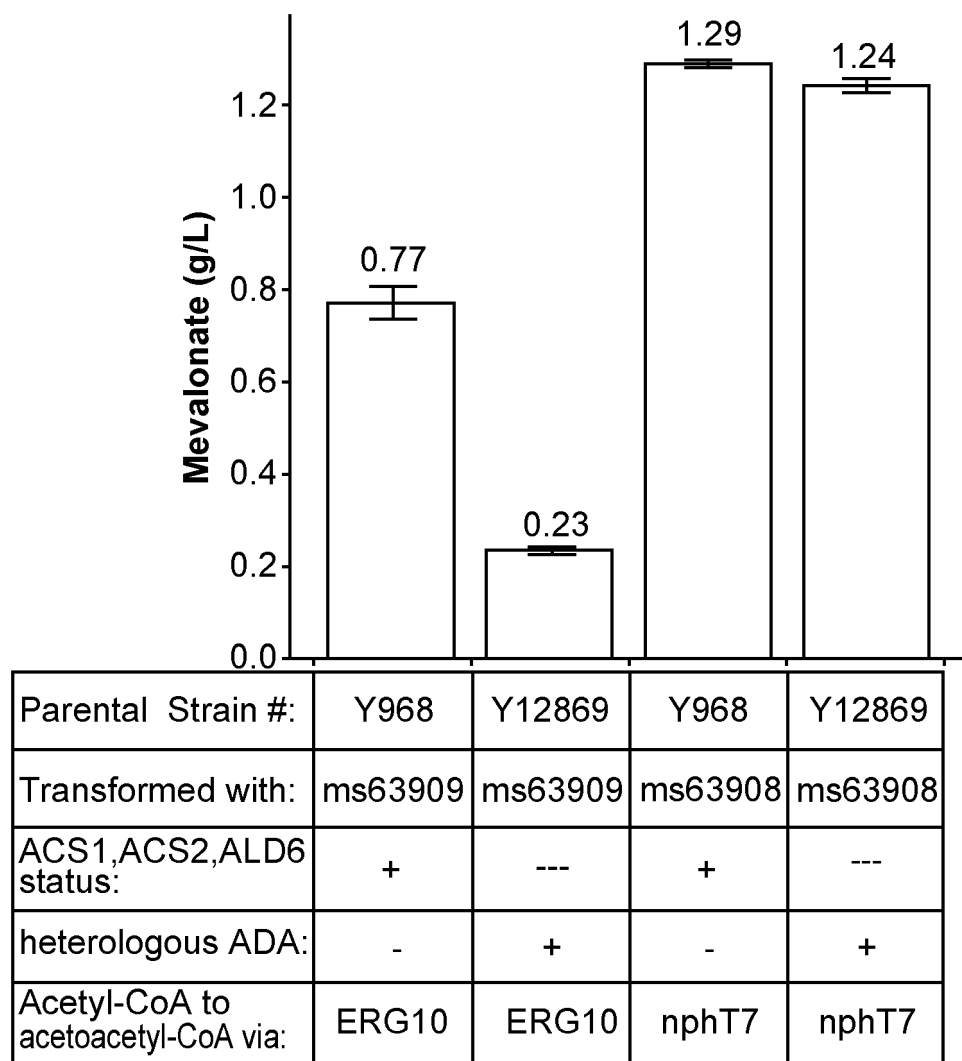


FIG. 14