

Supplementary

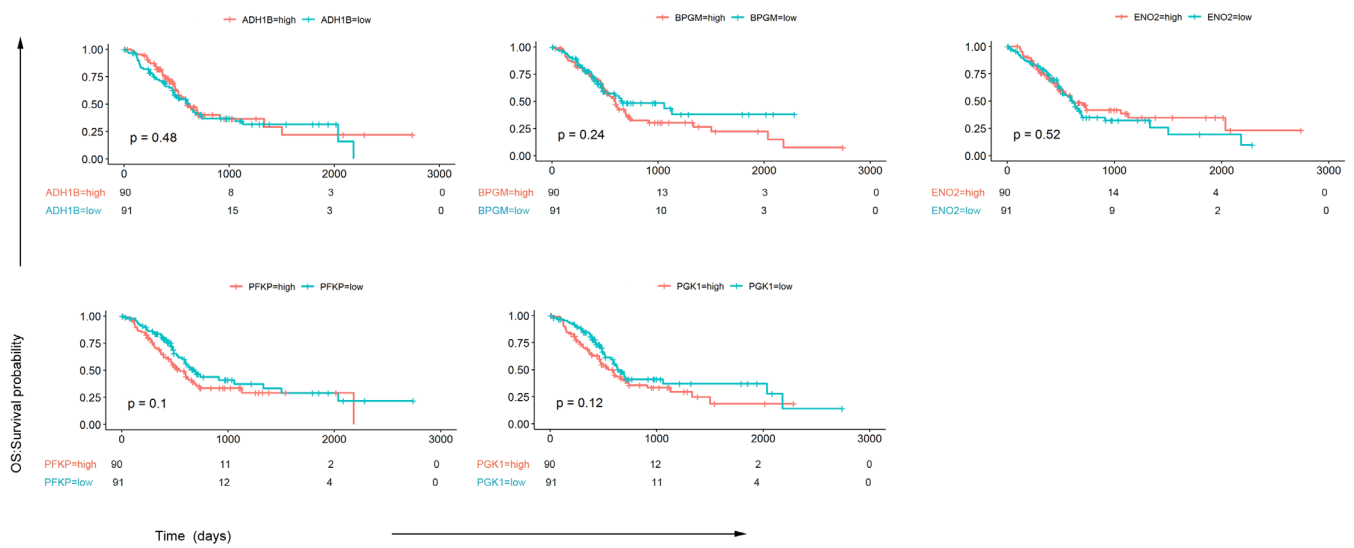


Figure S1 Kaplan-Meier plots of another 5 genes in the glycolysis pathway.

**Table S1** Metabolite concentrations of cancer and healthy cohorts in mmol/L

Name	Median (min–max)		
	Cancer	Normal	P value
Glucose	5.75 (4.1–13)	5 (3.6–7.8)	1.31E-05**
Lactic acid	2.9 (1.6–5.1)	2.1 (1–3.9)	5.27E-06**
Pyruvic acid	0.05 (0–0.12)	0.07 (0.03–0.19)	2.84E-05**
Citric acid	0.09 (0–0.19)	0.11 (0–0.18)	0.0067*
Creatinine	0.09 (0.05–0.15)	0.07 (0.03–0.13)	8.38E-05**
Alanine	0.45 (0.26–0.81)	0.47 (0.33–0.62)	0.907
Creatine	0.01 (0–0.06)	0.02 (0–0.08)	0.0132*
Glutamic acid	0.255 (0–1.1)	0.07 (0–0.13)	2.36E-07**
Glutamine	0.725 (0–0.98)	0.765 (0.61–0.98)	0.0013*
Glycine	0.235 (0.12–0.44)	0.285 (0.19–0.45)	0.0321*
Histidine	0.09 (0.05–0.14)	0.1 (0.06–0.19)	0.0018*
Isoleucine	0.07 (0.04–0.17)	0.06 (0.03–0.11)	0.0026*
Leucine	0.13 (0.08–0.29)	0.12 (0.07–0.19)	0.1348
Phenylalanine	0.09 (0.05–0.18)	0.07 (0.04–0.11)	1.95E-06**
Tyrosine	0.06 (0.04–0.08)	0.05 (0.03–0.08)	0.0006**
Valine	0.28 (0.19–0.53)	0.24 (0.15–0.38)	0.0124*
Acetic acid	0.075 (0.03–0.18)	0.01 (0–0.06)	4.47E-13**
Formic acid	0.045 (0.03–0.08)	0 (0–0.03)	6.97E-26**
3-Hydroxybutyric acid	0.09 (0–2.2)	0.06 (0–0.15)	0.0219*
Acetone	0.04 (0–0.56)	0 (0–0.05)	0.0015*
Glycerol	0.205 (0–0.66)	0.18 (0–0.39)	0.0552
Lysine	0.19 (0–0.28)	0.2 (0–0.3)	0.4329
Methionine	0.06 (0–0.13)	0.09 (0–0.12)	0.0026*
Ornithine	0.02 (0–0.14)	0 (0–0.38)	0.0032*

\*, P<0.05; \*\*, P<0.001.