

**Supplementary Table 1. Coefficients from linear regression models used for ROC analysis.**

Gene	Glycolysis Signature Coefficients	Spliceosome Signature Coefficients	Combine Signature Coefficients
ALDH7A1	0.301		-0.246
ALDOA	0.301		-0.246
DLD	-1.019		-2.614
ENO1	0.454		0.647
FBP1	1.346		2.977
GAPDH	0.277		0.304
GPI	0.273		0.391
PKM2	-0.463		-0.965
TPI1	-0.140		-0.636
EFTUD2		-0.033	0.221
HNRNPA1		0.476	0.714
HNRNPA2B1		-0.297	-0.064
HNRNPK		0.568	0.542
HSPA8		-0.295	-0.484
PTBP1		-0.014	0.415
RALY		0.999	1.057
SAP18		-1.167	-1.725
SF3A1		-0.064	0.120
SFRS1		0.088	-0.077
SFRS3		0.039	0.136
SFRS6		-0.312	-0.559
SYNCRIP		0.234	0.173
U2AF1		0.822	1.064