

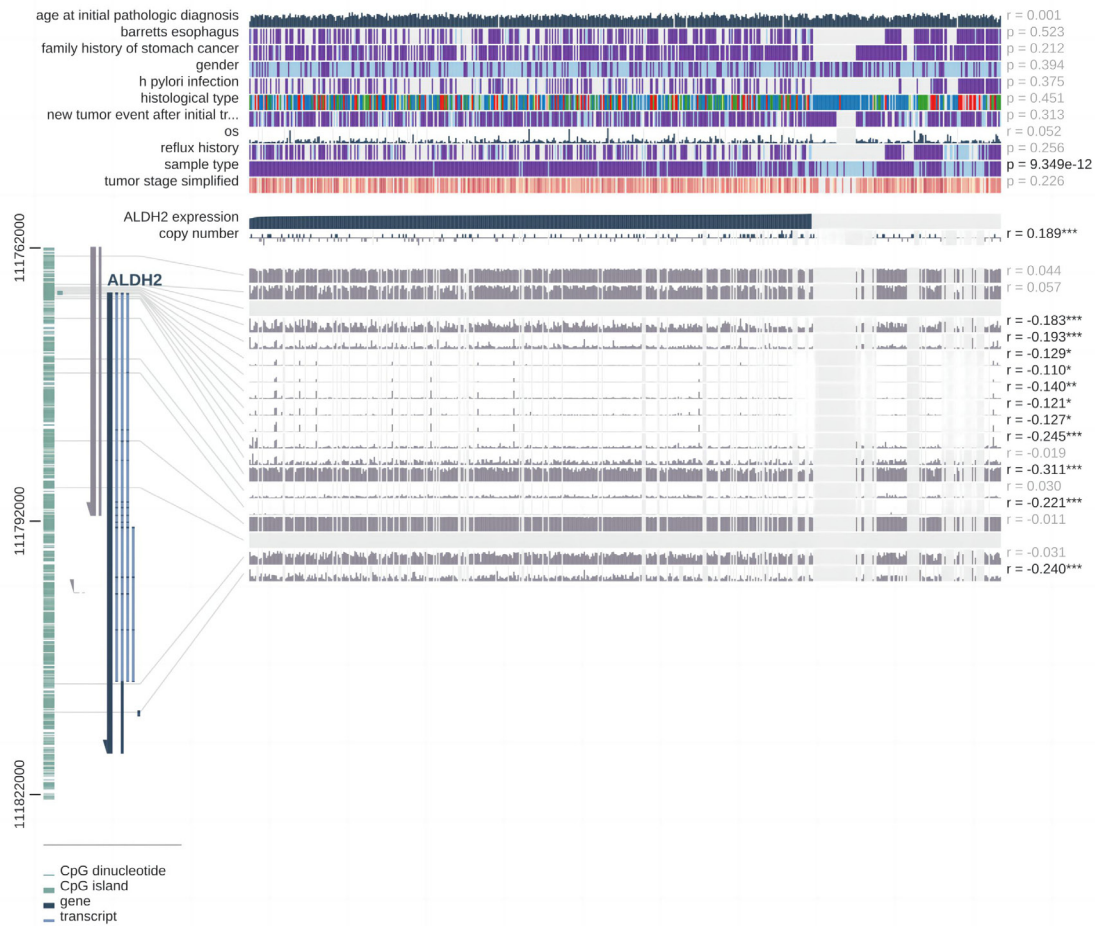
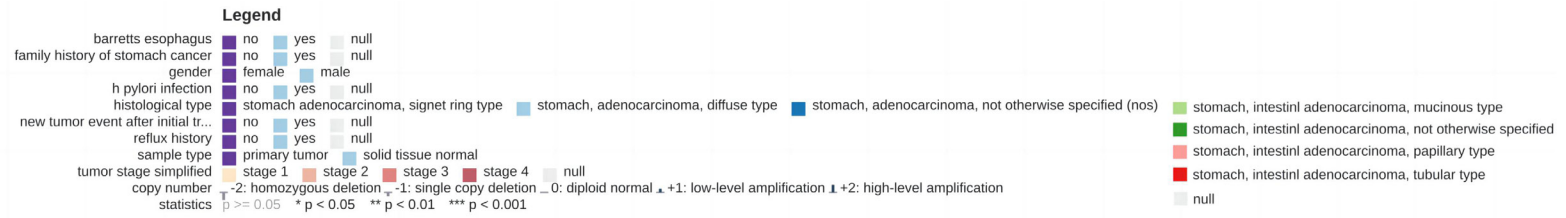
ALDH2 in gastric cancer

Supplementary Table 1. The univariable analysis of the clinical features relevant to survival

Characteristics	Total(N)	Univariate analysis	
		Hazard ratio (95% CI)	P value
Age	367		
≤65	163	/	
>65	204	1.620 (1.154-2.276)	0.005**
Pathologic stage	347		
Stage 1	50	/	
Stage 2	110	1.551 (0.782-3.078)	0.209
Stage 3	149	2.381 (1.256-4.515)	0.008**
Stage 4	38	3.991 (1.944-8.192)	<0.001***
Gender	370		
Female	133	/	
Male	237	1.267 (0.891-1.804)	0.188
T stage	362		
T1	18	/	
T2	78	6.725 (0.913-49.524)	0.061
T3	167	9.548 (1.326-68.748)	0.025*
T4	99	9.634 (1.323-70.151)	0.025*
N stage	352		
N0	107	/	
N1	97	1.629 (1.001-2.649)	0.049*
N2	74	1.655 (0.979-2.797)	0.060
N3	74	2.709 (1.669-4.396)	<0.001***
M stage	352		
M0	327	/	
M1	25	2.254 (1.295-3.924)	0.004**

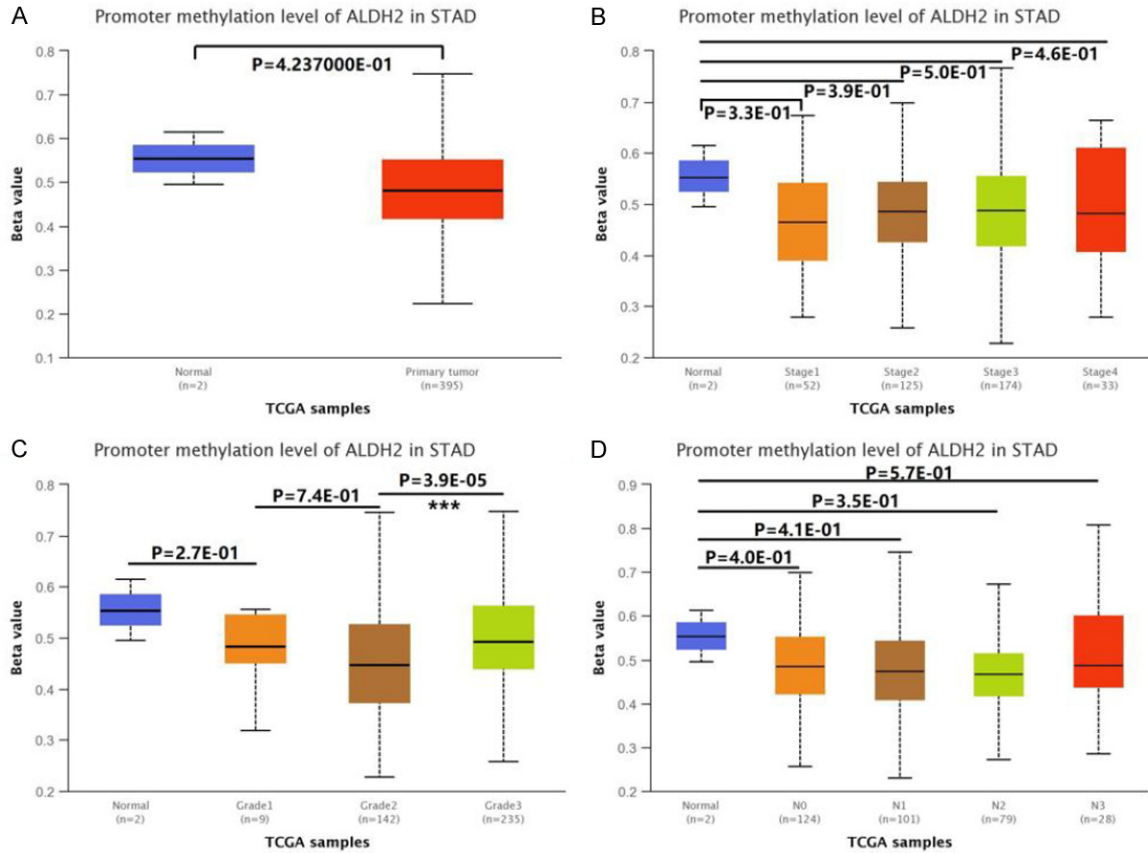
Note: *P<0.05, **P<0.01, ***P<0.001.

ALDH2 in gastric cancer



Supplementary Figure 1. The DNA methylation and expression of ALDH2 in gastric cancer.

ALDH2 in gastric cancer



Supplementary Figure 2. The methylation of ALDH2 in gastric cancer. A. The methylation level of ALDH2 in gastric cancer sorted by tissue type. B. The methylation level of ALDH2 in gastric cancer sorted by tumor stage. C. The methylation level of ALDH2 in gastric cancer sorted by tumor grade. D. The methylation level of ALDH2 in gastric cancer sorted by nodal metastasis status.

Cox Proportional Hazard Model:

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Model: Surv(STAD) ~ Age + Gender + Race + Purity + Stage + E_cell + CD4_Tcell + CD8_Tcell + Neutrophil + Macrophage + Dendritic + ALDH2
278 patients with 104 dying

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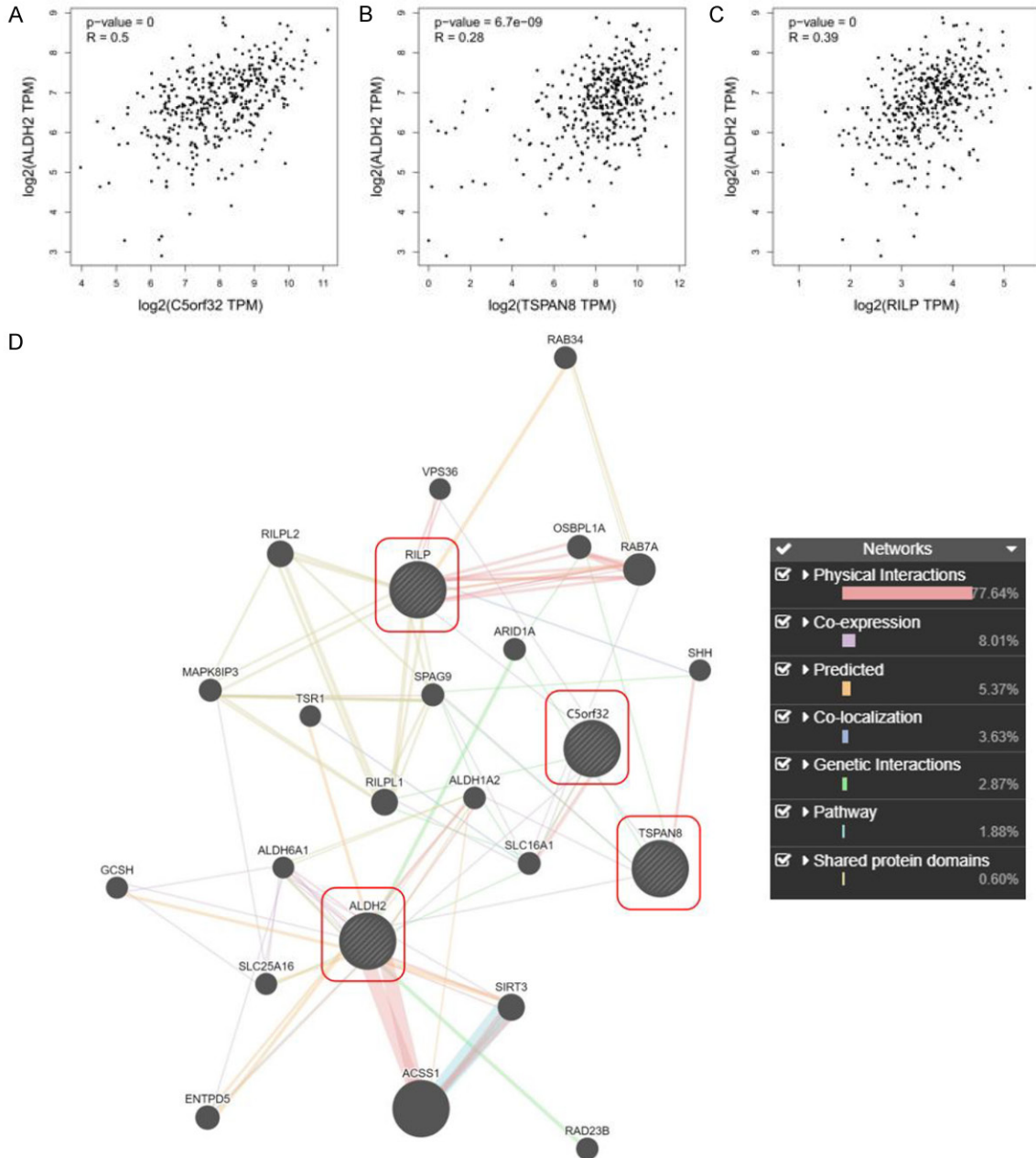
	coef	HR	95%CI_l	95%CI_u	p.value	sig
Age	0.038	1.038	1.017	1.060	0.000	***
gendermale	0.236	1.266	0.816	1.964	0.293	
raceblack	0.545	1.724	0.686	4.334	0.247	
racewhite	0.271	1.311	0.763	2.253	0.326	
Purity	-0.507	0.602	0.268	1.355	0.221	
stage2	0.748	2.114	0.927	4.822	0.075	.
stage3	1.086	2.963	1.376	6.378	0.005	**
stage4	1.476	4.376	1.521	12.592	0.006	**
E_cell	4.958	142.297	1.045	19383.496	0.048	*
CD4_Tcell	-4.547	0.011	0.000	2.725	0.108	
CD8_Tcell	-0.799	0.450	0.020	10.069	0.614	
Neutrophil	-2.763	0.063	0.000	124.898	0.476	
Macrophage	7.762	2348.528	53.767	102583.567	0.000	***
Dendritic	0.831	2.297	0.118	44.690	0.583	

Rsquare= 0.137 (max possible= 9.76e-01)
 Likelihood ratio test p= 3.26e-04
 Wald test p= 2.55e-04
 Score (logrank) test p= 1.24e-04

Supplementary Figure 3. Full result of multivariable cox analysis.

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TCGA-STAD Tumor



Supplementary Figure 4. The relationship between ALDH2 and C5orf32, TSPAN8, RILP.