Uncropped Western blots

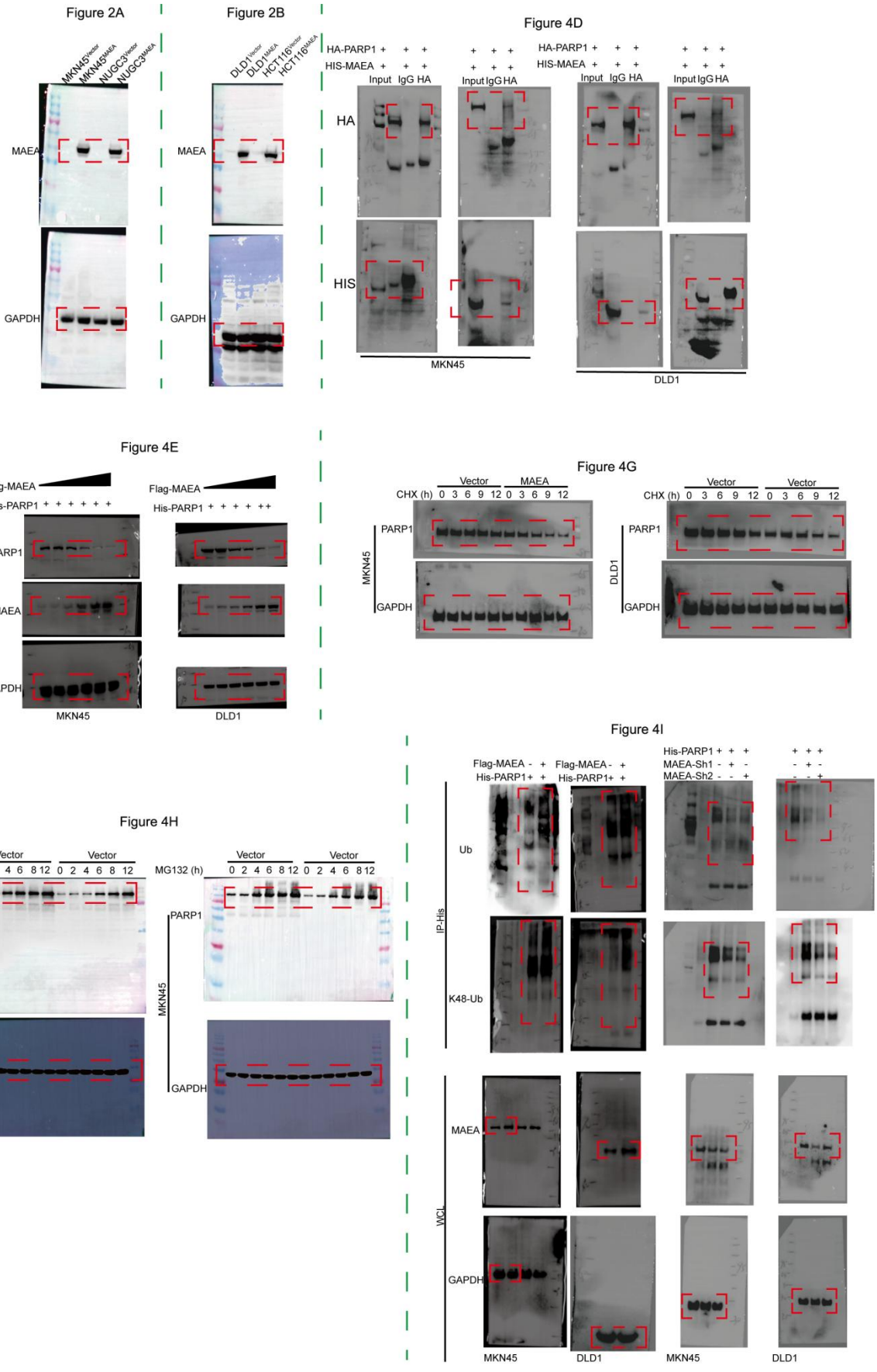
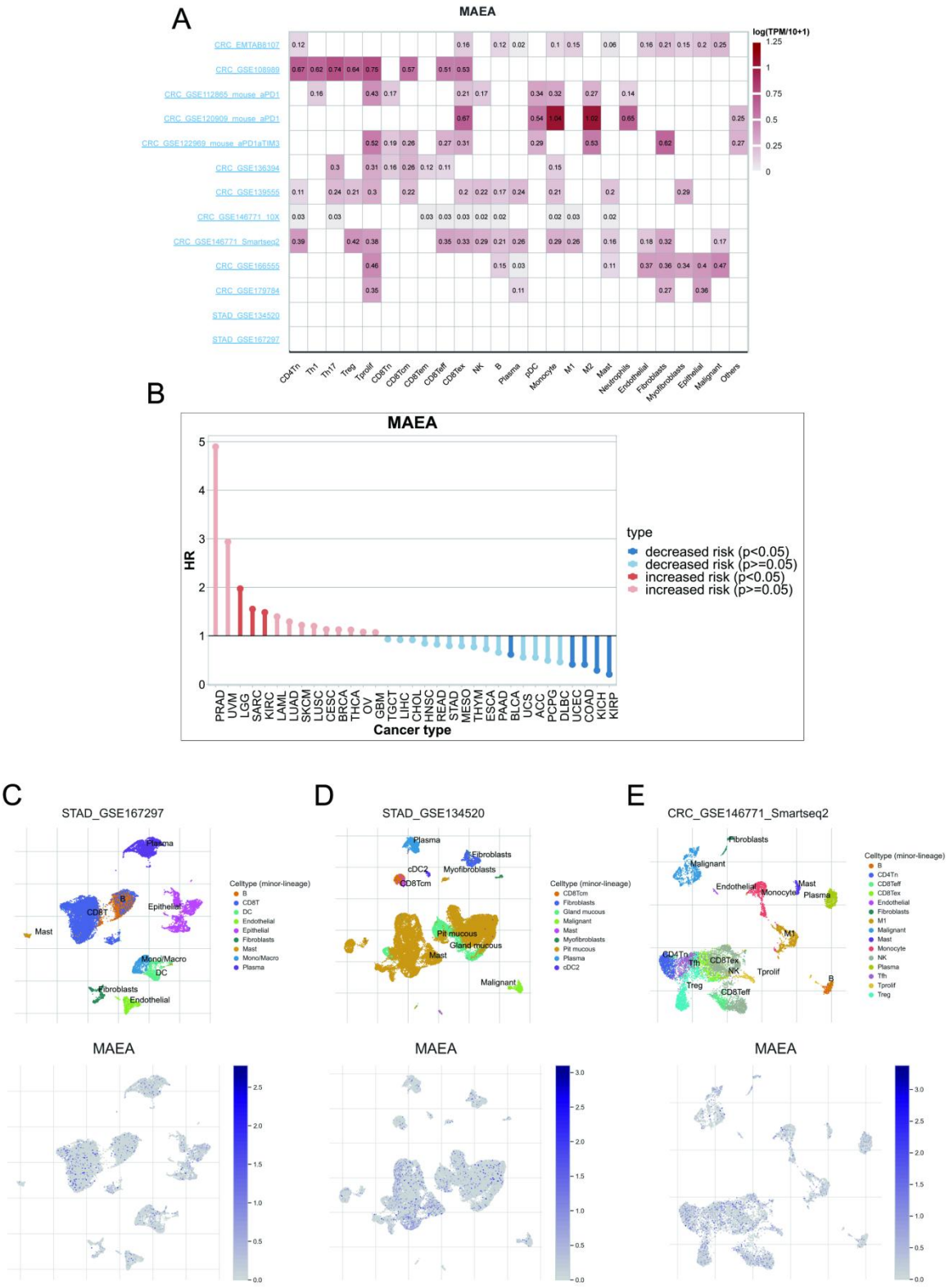


Figure S1


A
MAEA
log(TPM/10+1)
CRC_EMTAB8107
CRC_GSE108989
CRC_GSE112855_mouse_aPD1
CRC_GSE120909_mouse_aPD1
CRC_GSE122969_mouse_aPD1aTIM3
CRC_GSE136394
CRC_GSE139555
CRC_GSE146771_10X
CRC_GSE146771_Smartseq2
CRC_GSE166555
CRC_GSE179784
STAD_GSE134520
STAD_GSE167297
CD4Tn
Th1
Th17
Treg
Tprolif
CD8Tn
CD8Tcm
CD8Tem
CD8Teff
CD8Tex
NK
B
Plasma
pDC
Monocyte
M1
M2
Mast
Neutrophils
Endothelial
Fibroblasts
Myofibroblasts
Epithelial
Malignant
Others
B
MAEA
HR
type
decreased risk (p<0.05)
decreased risk (p>=0.05)
increased risk (p<0.05)
increased risk (p>=0.05)
Cancer type
C
STAD_GSE167297
Celltype (minor-lineage)
D
STAD_GSE134520
Celltype (minor-lineage)
E
CRC_GSE146771_Smartseq2
Celltype (minor-lineage)
MAEA
MAEA
MAEA

Supplementary Table 1. *Correlation between MAEA expression and clinicopathological characteristics of gastric patients.*

Clinicopathological Characteristics	Low MAEA	High MAEA	*p*-Value
Number	73	96	
Age, n (%)			0.193
<60 years	37 (50.7)	39 (36.4)	
≥60 years	36 (49.3)	57 (63.6)	
Gender, n (%)			0.154
Male	56 (76.7)	64 (74.5)	
Female	17 (23.3)	32 (25.5)	
Histologic type, n (%)			0.133
Tubular or papillary adenocarcinoma	66 (90.4)	76 (85.5)	
Signet-ring cell carcinoma	6 (8.2)	14 (7.3)	
Mucinous adenocarcinoma	1 (1.4)	5 (5.5)	
[a] Others	0 (0)	1 (1.7)	
Differentiation, n (%)			0.231
Well-Moderately	59 (26.5)	70 (18.2)	
Poor	14 (73.5)	26 (81.8)	
Lauren's classification, n (%)			0.028
Diffuse type	35 (47.9)	40 (32.7)	
Intestinal type	23 (31.5)	47 (50.9)	
Mixed type	15 (20.6)	8 (16.4)	
Invasion Depth, n (%)			0.153
T1 + T2	11 (15.1)	23 (23.9)	
T3 + T4	62 (84.9)	73 (76.1)	
Lymph Node Metastasis, n (%)			0.065
N0	13 (17.8)	29 (30.2)	
N1/N2/N3	60 (82.2)	67 (69.8)	
Distant Metastasis, n (%)			0.014
M0	53 (72.6)	84 (87.5)	
M1	20 (27.4)	12 (12.5)	
TNM Stage, n (%)			0.076
I+II	18 (24.7)	36 (37.5)	
III+IV	55 (75.3)	60 (62.5)	
Perineural Invasion, n (%)			0.001
Absent	21 (28.8)	58 (60.4)	
Present	52 (71.2)	38 (39.6)	
Vessel Invasion, n (%)			0.640
Absent	32 (43.8)	67 (69.8)	
Present	41 (56.2)	29 (30.2)	

Statistical analyses were performed by the Pearson χ^2 test

[a]Others: hepatoid adenocarcinoma and squamous carcinoma

Supplementary Table 2. *Univariate and multivariate analyses for the prognostic factors of overall survival in gastric cancer patients.*

Variable	Univariate Analysis		Multivariate Analysis	
	HR (95% CI)	***p*-Value**	**HR (95% CI)**	***p*-Value**
Age (≥60 years vs. <60 years)	0.782 (0.506–1.210)	0.269	0.523 (0.302–0.907）	0.021
Gender (male vs. female)	1.348 (0.857–2.120)	0.196	1.396 (0.770–2.530)	0.272
Histology (tubular/papillary adenocarcinoma	1.763 (0.850–3.656)	0.128	1.492 (0.623–3.571)	0.369
vs. the others)				
Differentiation (well/moderate vs. poor)	0.657 (0.381–1.136)	0.133	0.584 (0.285–1.197)	0.142
Invasion depth (T3/T4 vs. T1/T2)	6.147 (2.484–15.215)	< 0.001	2.826 (0.907–8.804)	0.073
Lymph Node Metastasis (N+ vs. N0)	4.974 (2.393–10.339)	<0.001	2.686 (1.115–6.475)	0.028
Distant metastasis (M1 vs. M0)	3.553 (2.206–5.723)	<0.001	2.127 (1.182–3.826)	0.012
Perineural Invasion (present vs. absent)	3.323 (2.020–5.467)	<0.001	1.885 (0.916–3.878)	0.085
Vessel Invasion (present vs. absent)	2.125 (1.374–3.286)	0.001	1.136 (0.651–1.982)	0.653
MAEA expression (high vs. low)	0.211 (0.120–0.370)	<0.001	0.238 (0.128–0.446)	0.001

Supplementary Table 3. *Univariate and multivariate analyses for the prognostic factors of disease free survival in gastric cancer patients.*

Variable	Univariate Analysis		Multivariate Analysis	
	HR (95% CI)	***p*-Value**	**HR (95% CI)**	***p*-Value**
Age (≥60 years vs. <60 years)	0.782 (0.506–1.210)	0.269	0.814 (0.402-1.647)	0.556
Gender (male vs. female)	1.348 (0.857–2.120)	0.196	1.311 (0.624-2.754)	0.475
Histology (tubular/papillary adenocarcinoma	1.763 (0.850–3.656)	0.128	1.491 (0.587-3.789)	0.401
vs. the others)				
Differentiation (well/moderate vs. poor)	0.657 (0.381–1.136)	0.133	0.450 (0.179-1.128)	0.089
Invasion depth (T3/T4 vs. T1/T2)	6.147 (2.484–15.215)	< 0.001	2.847 (0.720-11.258)	0.136
Lymph Node Metastasis (N+ vs. N0)	4.974 (2.393–10.339)	<0.001	1.957 (0.723-5.295)	0.186
Distant metastasis (M1 vs. M0)	3.553 (2.206–5.723)	<0.001	1.006 (0.414-2.444)	0.989
Perineural Invasion (present vs. absent)	3.323 (2.020–5.467)	<0.001	1.753 (0.700-4.394)	0.231
Vessel Invasion (present vs. absent)	2.125 (1.374–3.286)	0.001	1.911 (0.964-4.110)	0.063
MAEA expression (high vs. low)	2.745 (1.625–4.638)	<0.001	0.327 (0.155-0.691)	0.003