

## Mining the Plasma-Proteome Associated Genes in Patients with Gastro-Esophageal Cancers for Biomarker Discovery

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## Supplementary Tables

**Supplementary Table 1: P-values for the genes in Figure 1B compared to Normal samples and number of samples in Normal and each stages of Esophageal Carcinoma (ESCA)**

Esophageal Carcinoma (ESCA)						
Gene Symbol	Normal	Stage 1	Stage 2	Stage 3	Stage 4	Stage Unknown
BIRC5		7.21E-06	7.95E-08	2.38E-07	9.85E-05	2.10E-06
APOC2		4.77E-06	1.55E-07	1.67E-07	9.85E-05	3.48E-06
CENPF		2.37E-05	9.09E-08	3.10E-07	9.85E-05	5.71E-06
STMN1		1.32E-05	1.89E-07	2.38E-07	1.78E-04	7.90E-06
HNRNPC		1.04E-04	1.55E-07	3.39E-07	9.85E-05	1.09E-05
No. of Samples	11	18	78	56	9	24

**Supplementary Table 2: P-values for the genes in Figure 1D compared to Normal samples and number of samples in Normal and each stages of Stomach Adenocarcinoma (STAD)**

Stomach Adenocarcinoma (STAD)						
Gene Symbol	Normal	Stage 1	Stage 2	Stage 3	Stage 4	Stage Unknown
CST1		3.69E-15	9.10E-19	7.93E-19	9.89E-13	3.51E-09
INHBA		7.12E-12	5.73E-18	3.55E-18	1.45E-12	1.22E-08
ACAN		1.10E-12	1.18E-17	7.63E-18	2.62E-12	5.09E-09
HSP90AB1		4.77E-14	4.23E-16	8.98E-18	2.82E-12	2.03E-08
HSPD1		2.32E-12	8.07E-16	4.93E-18	1.16E-12	4.26E-09
No. of Samples	35	57	123	169	41	25

**Supplementary Table 3: P-values and the stages for the genes in Figure 2A compared to Normal samples in ESCA**

Top stage specific up-regulation		
Stage	Gene Symbol	P-Value
1	CPS1	0.003
1	PNP	0.007
1	SERPINB8	0.042
1	EHD1	0.046
2	MSN	0.003
2	KRT5	0.004
2	TNC	0.007
2	NAP1L4	0.018
4	CYCS	0.014
4	PON3	0.014
4	ACPP	0.047
4	RPL22	0.047

**Supplementary Table 4: P-values and the stages for the genes in Figure 2B compared to Normal samples in STAD**

Top stage specific up regulation		
Stage	Gene	P-Value
1	PYGB	0.043
2	TNF	0.02
3	HLA-A	0.05
4	EFNB2	0.001

## Supplementary Tables

**Supplementary Table 5: P-values and the stages for the genes in Figure 4D compared to Normal samples in STAD**

Top stage specific down regulation		
Stage	Gene	P-Value
1	C1R	2.34E-04
1	A2M	3.15E-04
1	LTBP1	3.15E-04
1	SERPING1	4.23E-04
1	BASP1	4.88E-04
3	SERPINB6	2.00E-03
3	G0S2	1.80E-02
3	HSD17B10	2.50E-02
3	ECM1	2.60E-02
3	PRDX1	2.80E-02

**Supplementary Table 6: P-values for the genes in Figure 4F compared to Normal samples in each stages for Stomach Adenocarcinoma (STAD)**

Top progressively down-regulated genes					
Gene Symbol	Stage 1	Stage 2	Stage 3	Stage 4	Stage Unknown
ACAA1	7.57E-06	7.34E-06	1.98E-07	1.98E-04	4.86E-04
AZGP1	5.00E-01	3.83E-01	1.40E-01	2.90E-01	2.01E-01
BLVRB	2.66E-06	1.02E-07	3.66E-09	1.60E-05	1.03E-05
CYB5A	2.00E-03	2.76E-05	1.12E-07	2.75E-05	8.20E-04
EPHX2	6.30E-04	2.89E-06	1.98E-08	5.04E-08	1.87E-05
FBP1	1.42E-01	9.10E-02	5.50E-02	1.22E-01	1.84E-01
REG1A	2.68E-01	1.05E-01	5.20E-02	1.82E-01	1.50E-01
SECTM1	1.34E-01	5.50E-02	1.00E-02	3.90E-02	6.30E-02
SELENBP1	4.19E-06	1.14E-07	1.20E-08	3.05E-06	9.44E-05
TPPP3	4.87E-01	4.50E-02	1.30E-02	3.90E-02	4.50E-02