

Figure S1. Stratified analysis of the OS of patients with esophageal carcinoma from the entire set. Kaplan-Meier analysis for OS in subgroups stratified by (A) age, (B) sex, (C) height, (D) weight, (E) ethnicity, (F) alcohol consumption, (G) Barrett's esophagitis, (H) pathology, (I) tumor size, (J) lymph node status, (K) metastasis and (L) Tumor-Node-Metastasis stage. OS, overall survival.

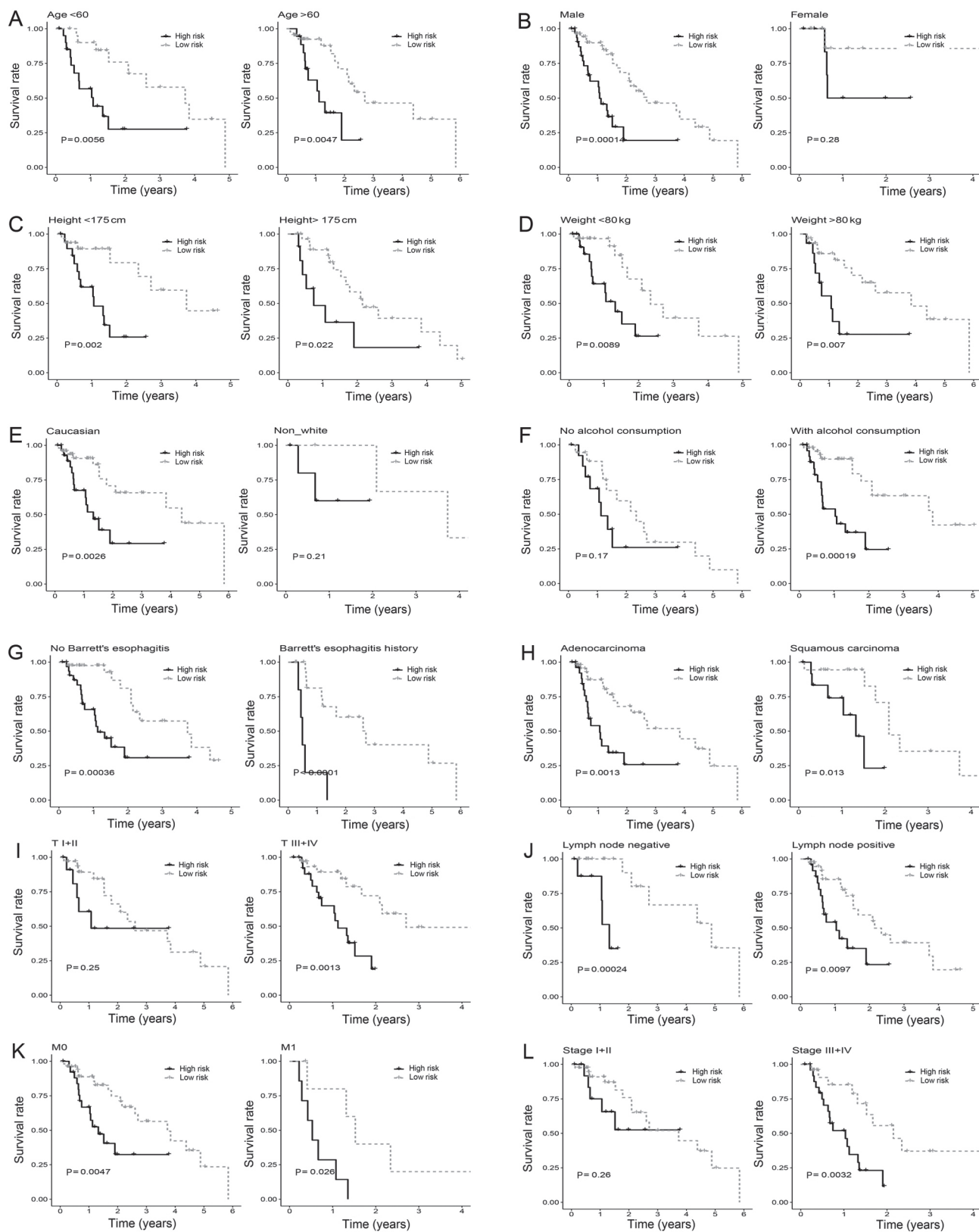


Table SI. Samples obtained from the TCGA database.

ID	Group
TCGA-2H-A9GJ	Tumor
TCGA-L5-A891	Tumor
TCGA-S8-A6BW	Tumor
TCGA-Q9-A6FW	Tumor
TCGA-JY-A6FB	Tumor
TCGA-2H-A9GQ	Tumor
TCGA-JY-A93E	Tumor
TCGA-VR-A8EO	Tumor
TCGA-L5-A88Z	Tumor
TCGA-VR-A8EX	Tumor
TCGA-R6-A8W8	Tumor
TCGA-L5-A893	Tumor
TCGA-R6-A6XQ	Tumor
TCGA-S8-A6BV	Tumor
TCGA-L5-A8NI	Tumor
TCGA-R6-A6DQ	Tumor
TCGA-JY-A93C	Tumor
TCGA-RE-A7BO	Tumor
TCGA-VR-A8EY	Tumor
TCGA-2H-A9GL	Tumor
TCGA-L5-A88S	Tumor
TCGA-LN-A5U7	Tumor
TCGA-XP-A8T6	Tumor
TCGA-R6-A6XG	Tumor
TCGA-KH-A6WC	Tumor
TCGA-JY-A6FE	Tumor
TCGA-R6-A6Y0	Tumor
TCGA-L5-A8NM	Tumor
TCGA-L5-A4OW	Tumor
TCGA-VR-A8Q7	Tumor
TCGA-VR-AA4G	Tumor
TCGA-L5-A4OE	Tumor
TCGA-IC-A6RE	Tumor
TCGA-VR-A8ER	Tumor
TCGA-JY-A6FH	Tumor
TCGA-XP-A8T8	Tumor
TCGA-L5-A8NN	Tumor
TCGA-L5-A8NV	Tumor
TCGA-L5-A8NL	Tumor
TCGA-IG-A7DP	Tumor
TCGA-L5-A4OU	Tumor
TCGA-JY-A6FA	Tumor
TCGA-JY-A93D	Tumor
TCGA-L5-A8NR	Tumor
TCGA-L5-A43E	Tumor
TCGA-L7-A6VZ	Tumor
TCGA-VR-AA7I	Tumor
TCGA-2H-A9GR	Tumor
TCGA-L5-A8NQ	Tumor
TCGA-V5-A7RB	Tumor
TCGA-2H-A9GH	Tumor
TCGA-JY-A939	Tumor
TCGA-R6-A8W5	Tumor
TCGA-M9-A5M8	Tumor
TCGA-L5-A4OG	Tumor
TCGA-R6-A6KZ	Tumor
TCGA-R6-A6DN	Tumor
TCGA-R6-A6L4	Tumor
TCGA-VR-A8EP	Tumor

Table SI. Continued.

ID	Group
TCGA-L5-A4OH	Tumor
TCGA-L5-A8NE	Tumor
TCGA-L5-A4ON	Tumor
TCGA-L5-A8NT	Tumor
TCGA-L5-A4OT	Tumor
TCGA-L5-A8NH	Tumor
TCGA-2H-A9GO	Tumor
TCGA-2H-A9GN	Tumor
TCGA-L5-A4OP	Tumor
TCGA-VR-A8ET	Tumor
TCGA-2H-A9GG	Tumor
TCGA-L5-A4OI	Tumor
TCGA-L5-A88T	Tumor
TCGA-2H-A9GF	Tumor
TCGA-L5-A8NW	Tumor
TCGA-VR-A8EZ	Tumor
TCGA-L5-A4OM	Tumor
TCGA-2H-A9GI	Tumor
TCGA-L5-A8NF	Tumor
TCGA-V5-A7RC	Tumor
TCGA-L5-A8NU	Tumor
TCGA-JY-A6FD	Tumor
TCGA-V5-A7RE	Tumor
TCGA-ZR-A9CJ	Tumor
TCGA-V5-AASX	Tumor
TCGA-VR-A8EW	Tumor
TCGA-IC-A6RF	Tumor
TCGA-2H-A9GM	Tumor
TCGA-2H-A9GK	Tumor
TCGA-V5-AASV	Tumor
TCGA-L5-A8NG	Tumor
TCGA-VR-A8EU	Tumor
TCGA-VR-A8EQ	Tumor
TCGA-L5-A4OO	Tumor
TCGA-R6-A8WG	Tumor
TCGA-L5-A4OJ	Tumor
TCGA-V5-AASW	Tumor
TCGA-L5-A8NS	Tumor
TCGA-L5-A8NK	Tumor
TCGA-L5-A88W	Tumor
TCGA-L5-A88V	Tumor
TCGA-JY-A93F	Tumor
TCGA-L5-A4OS	Tumor
TCGA-L7-A56G	Tumor
TCGA-L5-A4OX	Tumor
TCGA-L5-A8NJ	Tumor
TCGA-VR-AA4D	Tumor
TCGA-L5-A4OG-11A-12R-A260-31.x	Normal
TCGA-L5-A4OR-11A-11R-A260-31.x	Normal
TCGA-V5-AASX-11A-11R-A38D-31	Normal
TCGA-L5-A4OJ-11A-12R-A260-31	Normal
TCGA-L5-A43C-11A-11R-A24K-31	Normal
TCGA-L5-A4OQ-11A-12R-A260-31	Normal
TCGA-IC-A6RF-11A-21R-A336-31	Normal
TCGA-IC-A6RE-11A-12R-A336-31	Normal
TCGA-L5-A4OO-11A-12R-A260-31	Normal
TCGA-L5-A4OF-11A-12R-A260-31	Normal
TCGA-V5-A7RE-11A-11R-A354-31	Normal
TCGA, The Cancer Genome Atlas.	

Table SII. Differentially expressed genes with prognosis in esophageal cancer.

Gene_id	Gene name	Gene type
ENSG00000088325	TPX2	Protein coding
ENSG00000175063	UBE2C	Protein coding
ENSG00000137804	NUSAP1	Protein coding
ENSG00000101057	MYBL2	Protein coding
ENSG00000164611	PTTG1	Protein coding
ENSG00000135451	TROAP	Protein coding
ENSG00000178999	AURKB	Protein coding
ENSG00000171848	RRM2	Protein coding
ENSG00000100526	CDKN3	Protein coding
ENSG00000090889	KIF4A	Protein coding
ENSG00000087586	AURKA	Protein coding
ENSG00000157456	CCNB2	Protein coding
ENSG00000166803	PCLAF	Protein coding
ENSG00000132646	PCNA	Protein coding
ENSG00000112984	KIF20A	Protein coding
ENSG00000174371	EXO1	Protein coding
ENSG00000145386	CCNA2	Protein coding
ENSG00000164850	GPB1	Protein coding
ENSG00000101003	GIN1	Protein coding
ENSG00000167513	CDT1	Protein coding
ENSG00000113368	LMNB1	Protein coding
ENSG00000158516	CPA2	Protein coding
ENSG00000111665	CDCA3	Protein coding
ENSG00000080986	NDC80	Protein coding
ENSG00000065328	MCM10	Protein coding
ENSG00000180251	SLC9A4	Protein coding
ENSG00000176890	TYMS	Protein coding
ENSG00000072571	HMMR	Protein coding
ENSG00000117632	STMN1	Protein coding
ENSG00000029993	HMGB3	Protein coding
ENSG00000131153	GIN2	Protein coding
ENSG00000165891	E2F7	Protein coding
ENSG00000109906	ZBTB16	Protein coding
ENSG00000086300	SNX10	Protein coding
ENSG00000129195	PIMREG	Protein coding
ENSG00000169258	GPRIN1	Protein coding
ENSG00000262406	MMP12	Protein coding
ENSG00000149257	SERPINH1	Protein coding
ENSG00000141682	PMAIP1	Protein coding
ENSG00000277075	HIST1H2AE	Protein coding
ENSG00000130208	APOC1	Protein coding
ENSG00000126709	IFI6	Protein coding
ENSG00000130203	APOE	Protein coding
ENSG00000131746	TNS4	Protein coding
ENSG00000118785	SPP1	Protein coding
ENSG00000173894	CBX2	Protein coding
ENSG00000168079	SCARA5	Protein coding
ENSG00000174502	SLC26A9	Protein coding
ENSG00000004776	HSPB6	Protein coding
ENSG00000105048	TNNT1	Protein coding
ENSG00000163735	CXCL5	Protein coding
ENSG00000165215	CLDN3	Protein coding
ENSG00000229337	AC079305.3	Antisense
ENSG00000249859	PVT1	LincRNA
ENSG00000232956	SNHG15	LincRNA
ENSG00000264016	AC015908.3	LincRNA
ENSG00000196756	SNHG17	Processed transcript
ENSG00000187951	AC091057.1	Processed transcript

Table SII. Continued.

Gene_id	Gene name	Gene type
ENSG00000250451	HOXC-AS1	Antisense
ENSG00000267698	AC002116.2	Antisense
ENSG00000271936	AC012073.1	Antisense
ENSG00000231607	DLEU2	Antisense
ENSG00000273619	AL121832.2	Antisense
ENSG00000176912	TYMSOS	Bidirectional promoter lncRNA
ENSG00000177410	ZFAS1	Antisense
ENSG00000203644	AC083799.1	Sense intronic
ENSG00000249388	AC023794.2	LincRNA
ENSG00000281406	BLACAT1	LincRNA
ENSG00000257167	TMPO-AS1	Antisense
ENSG00000253669	GASAL1	LincRNA
ENSG00000260708	AL118516.1	Antisense
ENSG00000224511	LINC00365	LincRNA
ENSG00000275632	AL035461.2	LincRNA
ENSG00000266969	AP002449.1	Antisense
ENSG00000278238	AL359513.1	LincRNA
ENSG00000229970	AC007128.1	Antisense
ENSG00000255394	C8orf49	LincRNA
ENSG00000279225	AC138305.3	TEC
ENSG00000237978	KCNMB2-AS1	Antisense
ENSG00000279806	AC018629.1	TEC
ENSG00000272468	AL021807.1	LincRNA
ENSG00000237686	AL109615.3	Antisense
ENSG00000266869	AC005993.1	LincRNA
ENSG00000228630	HOTAIR	Antisense
ENSG00000259692	AC104041.1	LincRNA
ENSG00000235884	LINC00941	LincRNA
ENSG00000269994	AL513318.2	LincRNA
ENSG00000256417	AC006206.2	LincRNA
ENSG00000254166	CASC19	Processed transcript
ENSG00000232677	LINC00665	LincRNA

lincRNA, long intergenic non-coding RNA; TEC, to be experimentally confirmed.