

USP2-AS1 promotes COAD progression

Table S1. YAP1 binding natural antisense lncRNAs

Gene ID	name	lgG_fpkm	YAP_fpkm	lgG_count	YAP_count
ENST00000573447	ZNF213-AS1	0	0.35	0	6
ENST00000577163	ZNF213-AS1	0	0.33	0	3
ENST00000450834	ZEB1-AS1	0	0.34	0	3
ENST00000424191	ZEB1-AS1	0	0.61	0	3
ENST00000500970	USP2-AS1	0.07	0.33	1.22	9
ENST00000577297	USP2-AS1	0	0.37	0	3.97
ENST00000442329	TTN-AS1	0	1.38	0	17.8
ENST00000589842	TTN-AS1	0	0.72	0	7.08
ENST00000431259	TTN-AS1	0	0.3	0	6.94
ENST00000628296	TTN-AS1	0	0.4	0	3
ENST00000525151	TRAF3IP2-AS1	0	0.74	0	7
ENST00000456352	TRAF3IP2-AS1	0	0.8	0	6
ENST00000607066	TRAF3IP2-AS1	0.03	0.45	0.11	3
ENST00000504922	TMEM161B-AS1	0	0.73	0	6.59
ENST00000504769	TMEM161B-AS1	0	0.35	0	3
ENST00000521708	THUMP3-AS1	0	7.34	0	62.37
ENST00000522525	THUMP3-AS1	0	1.61	0	46.58
ENST00000519043	THUMP3-AS1	0	2.62	0	45.23
ENST00000629485	PCBP1-AS1	0	0.56	0	6.78
ENST00000625888	PCBP1-AS1	0	0.51	0	6
ENST00000625257	PCBP1-AS1	0	0.52	0	5.26
ENST00000415742	PCBP1-AS1	0	0.55	0	4.77
ENST00000594548	PCBP1-AS1	0	0.32	0	3.42
ENST00000561402	NR2F2-AS1	0	0.6	0	5.46
ENST00000560170	NR2F2-AS1	0	0.51	0	4.34
ENST00000573878	MMP25-AS1	0	0.74	0	5.5
ENST00000572574	MMP25-AS1	0	0.33	0	4
ENST00000585346	MAP3K14-AS1	0	0.83	0	6.24
ENST00000591263	MAP3K14-AS1	0	0.67	0	4.68
ENST00000477249	LRR75A-AS1	0	3.93	0	54.24
ENST00000491009	LRR75A-AS1	0	1.6	0	21.39
ENST00000470491	LRR75A-AS1	0	0.45	0	7.34
ENST00000578380	LRR75A-AS1	0	1.46	0	7
ENST00000457535	LAMTOR5-AS1	0	0.55	0	7
ENST00000597455	LAMTOR5-AS1	0	0.32	0	4
ENST00000625584	LAMTOR5-AS1	0	0.38	0	3
ENST00000455933	CDKN2B-AS1	0	0.81	0	8.6
ENST00000583719	CDKN2B-AS1	0	0.37	0	4.92
ENST00000428857	CCNT2-AS1	0	0.38	0	3.93
ENST00000392929	CCNT2-AS1	0	0.36	0	3.07
ENST00000524007	AZIN1-AS1	0	0.64	0	5
ENST00000519181	AZIN1-AS1	0	0.48	0	3
ENST00000630823	ARRDC3-AS1	0	0.44	0	4.99
ENST00000629389	ARRDC3-AS1	0	0.61	0	4.89

USP2-AS1 promotes COAD progression

Table S2. Survival analysis of lncRNAs

lncRNA	COAD	poor Survival
ZNF213-AS1	Down	No
ZEB1-AS1	Down	Yes
USP2-AS1	Up	Yes
TTN-AS1	Down	No
TRAF3IP2-AS1	Down	Yes
TMEM161B-AS1	Down	No
THUMPD3-AS1	Down	Yes
PCBP1-AS1	Down	No
NR2F2-AS1	Down	No
MMP25-AS1	Down	Yes
MAP3K14-AS1	Down	No
LRRC75A-AS1	Up	No
LAMTOR5-AS1	Down	No
CDKN2B-AS1	Down	No
CCNT2-AS1	No change	No
AZIN1-AS1	No change	No
ARRDC3-AS1	No change	No

USP2-AS1 promotes COAD progression

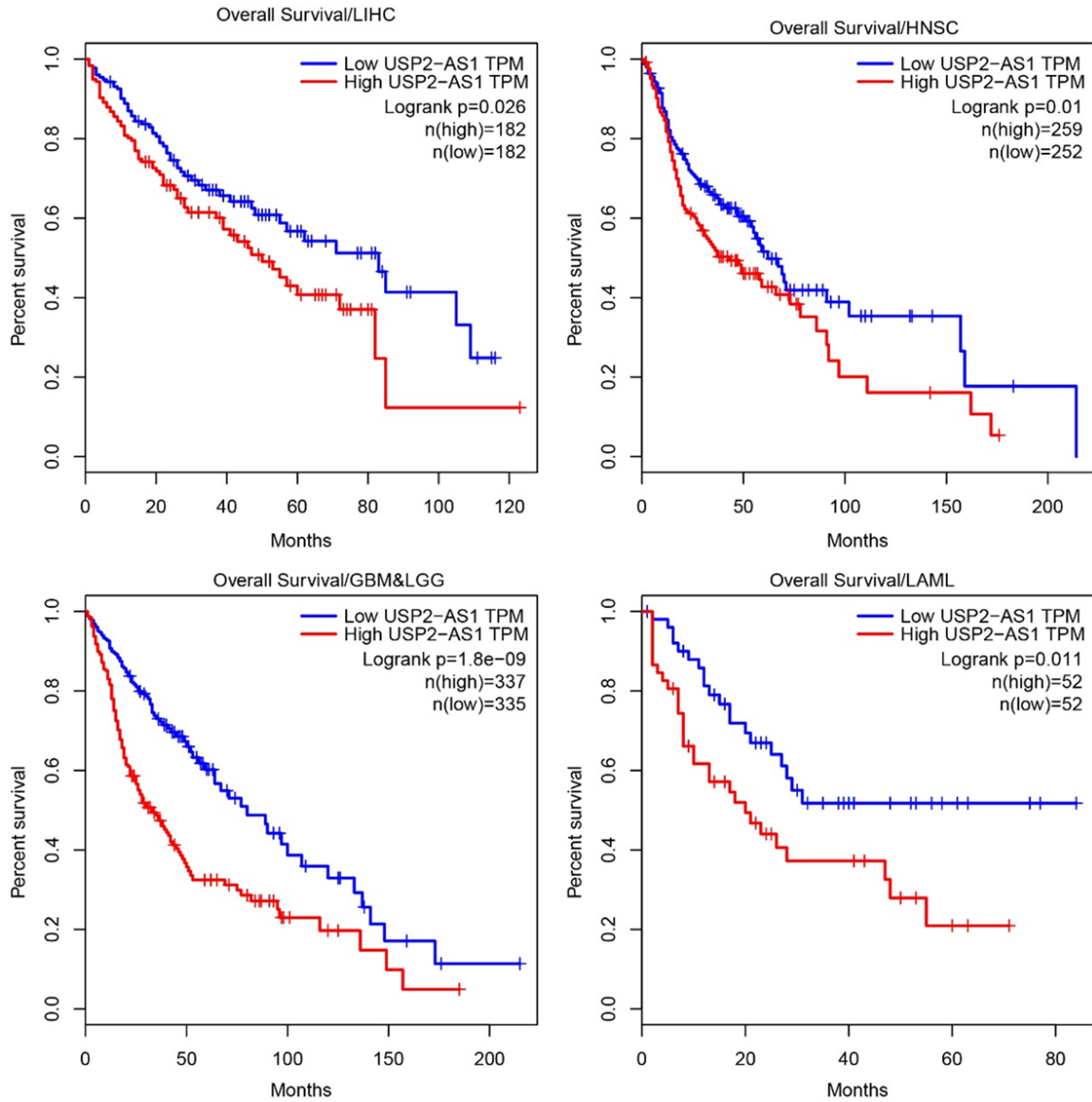


Figure S1. Highly expressed USP2-AS1 predicts poor prognosis in Liver cancer (LIHC), Head and Neck squamous cell carcinoma, Glioblastoma multiforme and Lower grade glioma (GBM and LGG), acute myeloid leukemia (AML).