

**Table S1** SMOX expression grouping. In immunohistochemistry, the groups were grouped by the median value of SMOX expression

patient/id	futime/year	fustat	SMOX	gender	age	stage	T	N	M	smoking
1A3	2.25	death	123.18	female	58	Stage II	T2	N0	M0	non-smoker
1A5	8.166666667	alive	8.21	male	68	Stage III	T3	N1	M0	non-smoker
1A6	7.916666667	alive	11.72	male	60	Stage III	T3	N1	M0	non-smoker
1A7	7.916666667	alive	25.62	male	64	Stage III	T4	N1	M0	non-smoker
1B1	6.5	death	49.01	male	63	Stage II	T2	N1	M0	non-smoker
1B10	6.833333333	alive	41.60	female	63	Stage II	T1	N1	M0	non-smoker
1B2	7.166666667	death	45.20	male	62	Stage III	T2	N2	M0	smoker
1B4	4.25	death	243.51	male	51	Stage III	T2	N2	M0	smoker
1B5	5.916666667	death	149.13	male	64	Stage II	T2	N1	M0	smoker
1B7	0.916666667	death	144.36	male	62	Stage I	T1	N0	M0	smoker
1C10	6.916666667	alive	97.55	female	65	Stage III	T3	N2	M0	non-smoker
1C3	6.166666667	death	99.63	male	67	Stage III	T3	N1	M0	non-smoker
1C5	1.666666667	death	196.08	male	71	Stage II	T2	N1	M0	non-smoker
1C6	8.166666667	alive	3.41	male	64	Stage I	T1	N0	M0	smoker
1C9	6.833333333	alive	41.72	male	68	Stage I	T1	N0	M0	smoker
1D1	0.5	death	262.40	female	68	Stage I	T1	N0	M0	non-smoker
1D10	2.5	death	75.74	female	56	Stage IV	T2	N1	M1	non-smoker
1D2	0.833333333	death	91.37	male	67	Stage I	T2	N0	M0	non-smoker
1D4	1.833333333	death	218.98	female	42	Stage I	T2	N0	M0	non-smoker
1D5	7.083333333	alive	161.2	male	51	Stage II	T2	N0	M0	non-smoker
1D6	7.083333333	alive	65.89	female	59	Stage II	T4	N1	M0	non-smoker
1D8	7.083333333	alive	108.92	female	68	Stage I	T1	N0	M0	non-smoker
1D9	1.75	death	73.40	female	65	Stage II	T2	N0	M0	non-smoker
1E1	7.333333333	alive	74.91	male	60	Stage I	T1	N0	M0	non-smoker
1E2	4.25	death	165.90	male	51	Stage IV	T4	N1	M1	smoker
1E3	2	death	90.84	male	45	Stage II	T1	N1	M0	non-smoker
1E6	4.25	death	61.81	male	62	Stage II	T2	N1	M0	non-smoker
1E7	1.666666667	death	242.02	male	65	Stage II	T2	N1	M0	smoker
1E8	2.916666667	death	257.54	female	72	Stage I	T2	N0	M0	non-smoker
1F1	6.916666667	death	126.96	female	60	Stage II	T1	N1	M0	non-smoker
1F10	3.833333333	death	275.62	female	53	Stage II	T2	N1	M0	non-smoker
1F2	7.333333333	alive	25.56	male	63	Stage II	T1	N1	M0	non-smoker
1F3	8	alive	13.25	female	63	Stage II	T1	N1	M0	non-smoker
1F5	2.833333333	death	238.15	male	63	Stage III	T4	N0	M0	smoker
1F6	7.333333333	alive	22.69	male	55	Stage III	T1	N2	M0	non-smoker

**Table S1** (continued)

Table S1 (continued)

patient/id	futime/year	fustat	SMOX	gender	age	stage	T	N	M	smoking
1F9	0.583333333	death	357.90	male	61	Stage II	T2	N1	M0	non-smoker
1G1	6.583333333	death	120.68	male	56	Stage III	T1	N2	M0	non-smoker
1G10	1.916666667	death	103.88	male	80	Stage I	T1	N0	M0	non-smoker
1G2	4.083333333	death	50.70	male	71	Stage III	T3	N1	M0	non-smoker
1G3	1.416666667	death	335.88	male	58	Stage II	T2	N1	M0	smoker
1G4	2.25	death	229.04	female	64	Stage IV	T4	N0	M1	non-smoker
1G5	1.25	death	291.48	male	65	Stage III	T4	N2	M0	non-smoker
1G6	4.333333333	death	48.61	female	56	Stage II	T1	N1	M0	non-smoker
1G8	7.166666667	alive	23.02	male	52	Stage II	T2	N1	M0	non-smoker
1G9	1.5	death	42.98	male	42	Stage II	T2	N1	M0	non-smoker
3A1	0.833333333	death	353.20	male	66	Stage I	T1	N0	M0	non-smoker
3A10	0.25	death	350	male	61	Stage II	T2	N1	M0	non-smoker
3A2	7.416666667	alive	16.51	female	62	Stage III	T2	N2	M0	non-smoker
3A4	8.333333333	alive	5.46	male	67	Stage I	T1	N0	M0	smoker
3A5	8.333333333	alive	5.26	female	75	Stage I	T2	N0	M0	non-smoker
3A6	0.583333333	death	219.72	male	68	Stage III	T1	N2	M0	non-smoker
3A7	0.916666667	death	23.42	male	76	Stage II	T2	N1	M0	non-smoker
3A9	3.5	death	14.97	male	73	Stage I	T1	N0	M0	non-smoker
3B1	7.833333333	alive	22.01	male	69	Stage III	T4	N0	M0	non-smoker
3B10	7.333333333	death	36.13	female	55	Stage III	T2	N2	M0	non-smoker
3B2	7.833333333	alive	9.67	female	67	Stage III	T2	N2	M0	non-smoker
3B3	1.916666667	death	44.46	male	76	Stage I	T1	N0	M0	non-smoker
3B4	8.333333333	alive	8.63	male	73	Stage III	T4	N2	M0	non-smoker
3B7	1	death	365.05	male	73	Stage II	T2	N1	M0	non-smoker
3B8	1.25	death	212.54	male	57	Stage III	T1	N2	M0	non-smoker
3B9	1.583333333	death	121.21	female	56	Stage I	T1	N0	M0	non-smoker
3C1	0.583333333	death	110.29	male	54	Stage III	T2	N2	M0	non-smoker
3C2	8.416666667	alive	3.69	female	64	Stage I	T2	N0	M0	non-smoker
3C4	0.75	death	144.93	male	56	Stage III	T4	N0	M0	non-smoker
3C5	1.416666667	death	105.45	male	36	Stage III	T1	N2	M0	non-smoker
3C7	8.083333333	alive	10.62	male	64	Stage II	T2	N0	M0	non-smoker
3D1	0.833333333	death	123.14	female	49	Stage III	T2	N2	M0	non-smoker
3D10	7.916666667	alive	5.06	female	74	Stage II	T2	N1	M0	non-smoker
3D2	7.083333333	death	62.64	male	71	Stage III	T2	N2	M0	smoker
3D3	1.5	death	238.53	male	78	Stage II	T3	N0	M0	non-smoker

Table S1 (continued)

Table S1 (continued)

patient/id	futime/year	fustat	SMOX	gender	age	stage	T	N	M	smoking
3D4	8.083333333	alive	6.82	female	56	Stage III	T2	N2	M0	non-smoker
3D5	8.083333333	alive	3.06	male	75	Stage I	T1	N0	M0	non-smoker
3D6	8.083333333	alive	5.09	male	62	Stage II	T2	N1	M0	non-smoker
3D7	1.083333333	death	199.49	male	80	Stage II	T1	N1	M0	non-smoker
3D8	7.833333333	alive	6.60	male	71	Stage II	T2	N1	M0	smoker
3E1	7.833333333	alive	76.79	male	60	Stage III	T4	N1	M0	non-smoker
3E10	2	death	165.18	female	57	Stage III	T2	N2	M0	non-smoker
3E2	2.333333333	death	313.57	male	68	Stage I	T1	N0	M0	non-smoker
3E3	1.25	death	244.59	male	77	Stage II	T1	N1	M0	non-smoker
3E4	6.583333333	death	116.70	male	64	Stage II	T2	N0	M0	smoker
3E6	3.25	death	112.88	male	61	Stage II	T2	N0	M0	non-smoker
3E7	2.583333333	death	144.78	female	66	Stage II	T2	N0	M0	non-smoker
3E8	1.166666667	death	76.00	male	71	Stage III	T4	N2	M0	smoker
3E9	7.916666667	alive	10.69	male	60	Stage I	T2	N0	M0	smoker
3F1	3.416666667	death	137.07	male	67	Stage II	T2	N1	M0	non-smoker
patient/id	futime/year	fustat	SMOX	gender	age	stage	T	N	M	smoking
3F10	3.666666667	death	58.37	female	70	Stage II	T2	N1	M0	non-smoker
3F2	5.833333333	death	88.43	female	55	Stage II	T1	N1	M0	non-smoker
3F3	7.25	death	79.05	male	76	Stage I	T1	N0	M0	non-smoker
3F4	8	alive	19.57	female	44	Stage III	T4	N0	M0	non-smoker
3F5	1.583333333	death	271.25	male	77	Stage II	T2	N1	M0	smoker
3F6	8	alive	10.13	male	62	Stage III	T3	N1	M0	non-smoker
3F7	2.666666667	death	170.84	male	55	Stage III	T3	N1	M0	non-smoker
3F8	0.583333333	death	356.66	male	66	Stage I	T2	N0	M0	smoker
3F9	1.583333333	death	229.09	male	70	Stage III	T4	N2	M0	non-smoker
3G10	5.75	death	67.88	female	61	Stage III	T4	N2	M0	non-smoker
3G2	7	death	149.99	female	67	Stage II	T1	N1	M0	non-smoker
3G3	8.166666667	alive	4.04	male	66	Stage III	T4	N1	M0	non-smoker
3G4	8.166666667	alive	37.61	female	62	Stage II	T1	N1	M0	non-smoker
3G5	8.166666667	alive	6.46	male	64	Stage III	T4	N1	M0	non-smoker
3G8	7.916666667	alive	39.62	female	58	Stage II	T2	N1	M0	non-smoker
3G9	8.25	alive	14.08	female	45	Stage III	T1	N2	M0	non-smoker
4A1	8.25	alive	4.98	female	61	Stage II	T2	N0	M0	non-smoker
4A10	0.25	death	48.63	male	53	Stage I	T2	N0	M0	non-smoker
4A2	5.5	death	52.68	male	80	Stage I	T1	N0	M1	non-smoker

Table S1 (continued)

Table S1 (continued)

patient/id	futime/year	fustat	SMOX	gender	age	stage	T	N	M	smoking
4A4	7.5	alive	43.19	male	55	Stage I	T1	N0	M0	smoker
4A5	0.25	death	149.03	male	52	Stage II	T1	N1	M0	smoker
4A7	7.5	alive	37.69	female	66	Stage I	T1	N0	M0	non-smoker
4A8	4.25	death	55.66	female	61	Stage III	T4	N1	M0	non-smoker
4A9	7.5	alive	75.89	male	55	Stage II	T2	N1	M0	non-smoker
4B1	5.25	death	40.92	female	65	Stage I	T2	N0	M0	non-smoker
4B2	2.583333333	death	145.97	male	58	Stage III	T1	N2	M0	non-smoker
4B3	7.5	alive	26.03	male	74	Stage II	T2	N0	M0	non-smoker
4B4	5.083333333	death	119.51	male	72	Stage II	T2	N0	M0	non-smoker
4B5	6.666666667	alive	51.83	male	57	Stage II	T2	N1	M0	non-smoker
4B6	2.833333333	death	114.09	male	73	Stage III	T2	N2	M0	smoker
4B7	6.75	alive	50.06	female	55	Stage I	T1	N0	M0	smoker
4C1	6.75	alive	28.24	male	51	Stage II	T2	N0	M0	smoker
4C10	0.916666667	death	145.82	male	43	Stage I	T1	N0	M0	non-smoker
4C2	6.666666667	alive	55.65	male	50	Stage II	T2	N0	M0	non-smoker
4C3	6.166666667	death	45.78	male	90	Stage II	T3	N0	M0	non-smoker
4C4	6.666666667	alive	68.08	male	56	Stage I	T1	N0	M0	non-smoker
4C5	0.25	death	306.11	female	62	Stage I	T1	N0	M0	non-smoker
4C6	2	death	152.03	male	44	Stage II	T3	N0	M0	non-smoker
4C7	0.666666667	death	142.84	male	67	Stage II	T2	N1	M0	smoker
4C8	1.916666667	death	132.26	male	77	Stage II	T3	N0	M0	non-smoker
4D1	1.333333333	death	142.98	male	73	Stage I	T2	N0	M0	non-smoker
4D10	6.833333333	alive	42.38	female	63	Stage I	T1	N0	M0	non-smoker
4D2	4.083333333	death	60.64	female	57	Stage II	T2	N1	M0	non-smoker
patient/id	futime/year	fustat	SMOX	gender	age	stage	T	N	M	smoking
4D3	7	alive	46.39	male	65	Stage I	T2	N0	M0	non-smoker
4D4	6.166666667	death	57.58	female	77	Stage IV	T4	N1	M1	non-smoker
4D5	0.25	death	145.18	female	62	Stage I	T1	N0	M0	non-smoker
4D6	7	alive	115.83	female	58	Stage I	T1	N0	M0	non-smoker
4D7	1.833333333	death	168.73	female	42	Stage I	T2	N0	M0	non-smoker
4D8	0.416666667	death	341.69	male	63	Stage I	T1	N0	M0	smoker
4D9	6.833333333	alive	122.57	female	56	Stage II	T2	N1	M0	non-smoker
4E1	0	death	84.49	female	43	Stage I	T1	N0	M0	non-smoker
4E10	2.333333333	death	118.05	male	52	Stage I	T1	N0	M0	non-smoker
4E4	5.416666667	death	119.91	female	67	Stage II	T2	N1	M0	non-smoker

Table S1 (continued)

Table S1 (continued)

patient/id	futime/year	fustat	SMOX	gender	age	stage	T	N	M	smoking
4E5	5.166666667	death	45.53	female	49	Stage I	T1	N0	M0	non-smoker
4E6	2.666666667	death	229.82	male	63	Stage I	T2	N0	M0	non-smoker
4E9	7.083333333	alive	79	female	69	Stage III	T4	N0	M0	non-smoker
4F1	7.083333333	alive	64.88	male	64	Stage II	T2	N0	M0	smoker
4F3	7.083333333	alive	59.44	male	57	Stage I	T1	N0	M0	smoker
4F4	7.083333333	alive	29.66	male	69	Stage II	T2	N2	M0	non-smoker
4F6	1.666666667	death	123.45	male	75	Stage I	T1	N0	M0	smoker
4F7	4.416666667	death	103.18	male	74	Stage III	T2	N2	M0	non-smoker
4F8	3.416666667	death	72.83	female	57	Stage I	T1	N1	M0	non-smoker
4G1	2.083333333	death	132.77	male	67	Stage I	T1	N0	M0	non-smoker
4G2	1.583333333	death	123.89	female	58	Stage I	T2	N0	M0	non-smoker
4G3	6.916666667	alive	82.32	male	72	Stage I	T2	N0	M0	non-smoker
4G4	0.583333333	death	140.00	male	57	Stage III	T2	N2	M0	non-smoker
4G5	6.916666667	alive	30.24	male	73	Stage II	T2	N1	M0	non-smoker
4G7	7.083333333	alive	46.48	male	66	Stage I	T1	N0	M0	smoker
4G8	3.333333333	death	124.32	male	57	Stage I	T2	N0	M0	non-smoker
4G9	7.416666667	alive	65.60	female	57	Stage I	T1	N0	M0	non-smoker