

**Table S1** *KRAS* mutation subtype according to *KRAS* copy number aberration (CNA) status

w <i>KRAS</i> Mutation subtype	KRAS CNA status				Total (N=186)	
	Gain (N=41)		Neutral/Loss (N=145)		N	%
	N	%	N	%		
G12A	3	7.32	7	4.83	10	5.38
G12C	23	56.09	66	45.52	89	47.85
G12D	3	7.32	15	10.34	18	9.68
G12D, G12V	0	0.00	1	0.69	1	0.54
G12R	0	0.00	3	2.07	3	1.62
G12S	2	4.88	3	2.07	5	2.68
G12V	6	14.63	38	26.20	44	23.65
G13C	2	4.88	4	2.76	6	3.22
G13D	2	4.88	6	4.14	8	4.30
G13R	0	0.00	1	0.69	1	0.54
Missing	0	0.00	1	0.69	1	0.54

CNA, copy number aberration; Gain, copy number gain; Neut/Loss, copy number neutral/loss.

**Table S2** Smoking status according to combined *KRAS* mutation and CNA status (n=440)

Smoking status	WT + Neut/Loss (reference) (N=275)		WT + Gain (N=58)		MUT + Gain (N=25)		MUT + Neut/Loss (N=82)		Total (N=440)	
	N	%	N	%	N	%	N	%	N	%
Smokers (Current/former)	244	88.73	54	93.10	25	100.0	74	90.24	397	90.23
Non-smokers	31	11.27	4	6.90	0	0.00	8	9.76	43	9.77

**Table S3** Smoking status according to *KRAS* mutation and CNA status (n=440)

Smoking status	KRAS Mutation status				KRAS CNA status				Total (N=440)	
	Wild Type (N=397)		Mutant (N=107)		Gain (N=83)		Neutral/Loss (N=357)		N	%
	N	%	N	%	N	%	N	%		
Smokers (Current/former)	298	89.49	99	92.52	79	95.18	318	89.08	397	90.23
Non-smokers	99	10.51	8	7.48	4	4.82	39	10.92	43	9.77

**Table S4** Prognostic effect of *KRAS* mutation and copy number status on patient outcome in adenocarcinoma subgroup (n=399) (fully adjusted models)

KRAS mutation and CNA	LCSS	DFS	OS
	HR [95% CI], P value	HR [95% CI], P value	HR [95% CI], P value
KRAS <sub>MUT</sub> , n=129	1.04 [0.76-1.43], 0.800	1.00 [0.74-1.35], 0.993	1.03 [0.75-1.42], 0.851
KRAS <sub>WT</sub> , n=270 (reference)	1.00	1.00	1.00
KRAS <sub>MUT</sub> + Gain, n=30	1.00 [0.55-1.83], 1.000	1.06 [0.60-1.84], 0.851	1.40 [0.78-2.51], 0.255
KRAS <sub>MUT</sub> + Neut/Loss, n=99	1.09 [0.77-1.54], 0.610	1.02 [0.74-1.41], 0.892	0.98 [0.69-1.40], 0.933
KRAS <sub>WT</sub> + Gain, n=16	1.59 [0.81-3.13], 0.176	1.56 [0.82-2.96], 0.177	1.41 [0.72-2.77], 0.318
KRAS <sub>WT</sub> + Neut/Loss, n=254 (reference)	1.00	1.00	1.00

LCSS, Lung cancer specific survival; DFS, disease free survival; OS, overall survival; HR, Hazard Ratio; CI, Confidence interval; WT, Wild-type; KRAS<sub>MUT</sub>, KRAS mutant; Gain, copy number gain; Neut/Loss, copy number neutral/loss.