

SUPPLEMENTARY MATERIAL

Non-invasive profiling of *KRAS* mutations in lung cancer using droplet digital polymerase chain reaction

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Supplementary Table 1. Details of the patient samples analyzed in this study.

Sample ID	Code	Gender	Smoking status	Cancer subtype	EGFR mutation status
1	LC157	Female	Non-smoker	Adenocarcinoma	Not known
2	LC523	Male	Smoker	Adenocarcinoma	Not known
3	LC527	Male	Smoker	Squamous cell carcinoma	Not known
4	LC533	Male	Smoker	Small cell carcinoma	Not known
5	LC538	Male	Smoker	Squamous cell carcinoma	Not known
6	LC544	Male	Smoker	Not clearly defined	Not known
7	LC549	Female	Non-smoker	Adenocarcinoma	Not known
8	LC550	Male	Smoker	Squamous cell carcinoma	Not known
9	LC551	Male	Smoker	Small cell carcinoma	Not known
10	LC552	Male	Smoker	Squamous cell carcinoma	Not known
11	LC555	Male	Non-smoker	Fibromyxoid sarcoma	Not known
12	LC557	Male	Not disclosed	Not clearly defined	Not known
13	LC559	Female	Non-smoker	Squamous cell carcinoma	Not known
14	LC560	Female	Non-smoker	Squamous cell carcinoma	Not known
15	LC561	Male	Smoker	Squamous cell carcinoma	Not known
16	LC143	Male	Non-smoker	Small cell carcinoma	Negative
17	LC154	Male	Smoker	Squamous cell carcinoma	Negative
18	LC168	Male	Smoker	Squamous cell carcinoma	Negative
19	LC171	Female	Non-smoker	Adenocarcinoma	Negative
20	LC213	Female	Non-smoker	Adenocarcinoma	Negative

Supplementary Table 2. Droplet digital polymerase chain reaction results for KRAS G12D, G12V and G13D mutation analysis of cfDNA. MC/ μ l- Mutant copies/ microliter, FA- Fractional Abundance (%)

SI No.	KRAS G12D		KRAS G12V		KRAS G13D	
	MC/ μ l	FA	MC/ μ l	FA	MC/ μ l	FA
1	0.62	0.7	23.1	19.7	8.7	6.8
2	158	71.6	33.7	70.2	26	15.9
3	0.74	2.9	55	66.7	1.9	6.8
4	0.22	0.11	0.37	0.3	0.1	0.09
5	0.35	0.6	2.8	4.6	0.79	1.3
6	22.4	32.1	3.8	13.1	1.9	6.9
7	7	25.9	62	60.8	9.1	12.5
8	11.5	10.4	92	47.7	13.4	10.9
9	31.9	28.2	8.7	15.7	9.7	14.4
10	53.8	56.8	2.5	15	4.2	9.6
11	2.1	8.2	5.7	20.8	2.4	7.8
12	1.4	1.6	63.1	39.2	26.4	11.8
13	17.6	10.6	32.7	17.4	12.8	6.7
14	1.3	4.4	9.3	26.5	4.4	10.7
15	6.1	10	13.8	19.7	8.3	9
16	59	14.7	0	0	0.09	0.05
17	12.1	12.9	0.35	0.47	0.21	0.26
18	6.4	8.5	3.5	6	5.5	7.5
19	150	52.1	0.07	0.13	0.16	0.27
20	4.6	9	11	20.6	6.6	10.3