

Lung Cancer Screening Based on Type-different Sensor Arrays

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Table S-1 Details of volunteers

No.	Group	Chemical therapy	Age	Sex	Smoking amounts	Smoking history	Details of disease	Taking medication	Hereditary history	Pollutants exposure history
1	Lung cancer	NO	51	Male	1.5 packs/day	30	Squamous carcinoma	YES	NO	YES
2	Lung cancer	YES	62	Male	0.5 packs/day	40	Small cell lung cancer	YES	NO	NO
3	Lung cancer	YES	73	Male	EX-2-3 packs/day	10	Small cell lung cancer	YES	NO	NO
4	Lung cancer	YES	45	Male	NO	N/A	Squamous carcinoma	YES	NO	NO
5	Lung cancer	YES	66	Male	2 packs/day	50	Small cell lung cancer	YES	NO	YES
6	Lung cancer	YES	64	Male	0.5 packs/day	50	Adenomatous carcinoma	YES	NO	YES
7	Lung cancer	YES	70	Male	NO	N/A	Adenomatous carcinoma	YES	NO	YES
8	Lung cancer	YES	79	Female	NO	N/A	Adenomatous carcinoma	YES	NO	YES
9	Lung cancer	YES	63	Male	NO	N/A	Small cell lung cancer	YES	NO	YES
10	Lung cancer	YES	63	Male	1.5 packs/day	50	Small cell lung cancer	YES	NO	NO
11	Lung cancer	YES	59	Male	EX-1 packs/day	20	Adenomatous carcinoma	YES	NO	YES
12	Lung cancer	YES	58	Male	1.5 packs/day	40	Small cell lung cancer	YES	NO	YES
13	Lung cancer	NO	62	Male	1 packs/day	40	Squamous carcinoma	YES	NO	NO
14	Lung cancer	NO	79	Male	EX-1 packs/day	50	Adenomatous carcinoma	YES	NO	NO
15	Lung cancer	NO	64	Male	2 packs/day	40	Squamous carcinoma	YES	NO	YES
16	Lung cancer	NO	53	Male	0.5 packs/day	30	lung cancer	YES	NO	YES
17	Lung cancer	NO	53	Female	NO	N/A	Adenomatous carcinoma	YES	NO	NO
18	Lung cancer	YES	69	Male	EX-1 packs/day	40	Adenomatous carcinoma	YES	NO	NO

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No.	Group	Chemical therapy	Age	Sex	Smoking amounts	Smoking history	Details of disease	Taking medication	Hereditary history	Pollutants exposure history
19	Lung cancer	YES	70	Male	EX-2 packs/day	50	Large cell neuroendocrine lung cancer	YES	NO	NO
20	Lung cancer	YES	73	Male	1 packs/day	50	Adenomatous carcinoma	YES	NO	NO
21	Lung cancer	YES	69	Male	3 packs/day	40	Squamous carcinoma	YES	NO	NO
22	Lung cancer	NO	64	Male	1.5 packs/day	50	Squamous carcinoma	YES	NO	NO
23	Lung cancer	YES	66	Male	1packs/day	40	Small cell lung cancer	YES	NO	NO
24	Lung cancer	YES	51	Male	EX-1packs/day	20	Adenomatous carcinoma	YES	NO	NO
25	Other lung disease	NO	85	Male	EX-0.5packs/day	10	COPD [#]	YES	NO	NO
26	Other lung disease	NO	89	Male	EX-0.5packs/day	30	COPD	YES	NO	NO
27	Other lung disease	NO	80	Female	NO	N/A	COPD	YES	NO	YES
28	Other lung disease	NO	64	Male	2 packs/day	46	COPD	YES	NO	NO
29	Other lung disease	NO	67	Male	EX-2packs/day	30	Silicosis	YES	NO	YES
30	Healthy smokers	N/A [‡]	56	Male	1 packs/day	35	N/A	N/A	NO	YES
31	Healthy smokers	N/A	52	Male	1.5 packs/day	30	N/A	N/A	NO	NO
32	Healthy smokers	N/A	59	Male	1 packs/day	34	N/A	N/A	NO	YES
33	Healthy smokers	N/A	58	Male	1.5 packs/day	30	N/A	N/A	NO	NO
34	Healthy smokers	N/A	47	Male	1 packs/day	28	N/A	N/A	NO	NO
35	Healthy smokers	N/A	42	Male	1.5 packs/day	35	N/A	N/A	NO	NO
36	Healthy smokers	N/A	60	Male	1 packs/day	40	N/A	N/A	NO	NO
37	Healthy smokers	N/A	65	Male	1 packs/day	40	N/A	N/A	NO	NO
38	Healthy smokers	N/A	60	Male	2 packs/day	15	N/A	N/A	NO	NO
39	Healthy smokers	N/A	59	Male	1.5 packs/day	15	N/A	N/A	NO	NO
40	Healthy nonsmokers	N/A	49	Male	NO	N/A	N/A	N/A	NO	NO
41	Healthy nonsmokers	N/A	52	Male	NO	N/A	N/A	N/A	NO	NO
42	Healthy nonsmokers	N/A	53	Male	NO	N/A	N/A	N/A	NO	NO
43	Healthy nonsmokers	N/A	46	Male	NO	N/A	N/A	N/A	NO	NO
44	Healthy nonsmokers	N/A	26	Male	NO	N/A	N/A	N/A	NO	NO
45	Healthy nonsmokers	N/A	22	Male	NO	N/A	N/A	N/A	NO	NO
46	Healthy nonsmokers	N/A	23	Female	NO	N/A	N/A	N/A	NO	NO

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No.	Group	Chemical therapy	Age	Sex	Smoking amounts	Smoking history	Details of disease	Taking medication	Hereditary history	Pollutants exposure history
47	Healthy nonsmokers	N/A	25	Male	NO	N/A	N/A	N/A	NO	NO
48	Healthy nonsmokers	N/A	29	Male	NO	N/A	N/A	N/A	NO	NO
49	Healthy nonsmokers	N/A	23	Female	NO	N/A	N/A	N/A	NO	NO
50	Healthy nonsmokers	N/A	6	Male	NO	N/A	N/A	N/A	NO	NO
51	Healthy nonsmokers	N/A	34	Female	NO	N/A	N/A	N/A	NO	NO
52	Healthy nonsmokers	N/A	18	Male	NO	N/A	N/A	N/A	NO	NO

†N/A:Not applicable

#COPD:Chronic Obstructive Pulmonary Disease