

Table S2. Per-patient overview of malignancy and PD-L1 status in different samples

Subject no.	Pleural effusion			Pleural tissue (thoracoscopy)			Bronchoscopic samples			Histology	
	Detection of malignancy	PD-L1 ≥1% of TC	PD-L1 ≥50% of TC	Detection of malignancy	PD-L1 ≥1% of TC	PD-L1 ≥50% of TC	Detection of malignancy	PD-L1 ≥1% of TC	PD-L1 ≥50% of TC		
1	○	□		-	□		+	□		Squamous	
2	+	+	+	-	□		□			Adeno	
3	○	□		+	+		+	□		Adeno	
4	+	+	-	+	+	-	□			Adeno	
5	-	□		-	□		+	□		NHL	
6	+	-	-	+	□		+	-	-	Adeno+SCLC	
7	+	+	+	+	+	-	+	□		Adeno	
8	+	-	-	+	-	-	□			Adeno	
9	○	□		+	+	+	□			SM	
10	+	□		+	□		+	□		SCLC	
11	+	+	+	+	+	+	+	-	-	Adeno	
12	○	□		-	□		+	+	+	Adeno	
13	+	□		+	-	-	+	□		Adeno	
14	+	+	-	-	□		+	+	-	Ambiguous	
15	+	+	+	+	+	-	+	+	-	Adeno	
16	+	□		+	□		□			Adeno	
17	+	+	-	+	-	-	□			Adeno	
18	+	+	-	+	+	-	+	+	+	Adeno	
19*	-	□		-	□		□			Adeno	
20	+	+	+	+	+	-	+	□		Adeno	
21	+	□		+	□		□			SCLC	
22	○	□		+	-	-	+	□		Squamous	
23	-	□		+	+	-	+	□		Squamous	
24	+	□		-	□		+	□		SCLC	
25	+	+	+	+	+	+	+	□		Adeno	
26	+	+	-	+	-	-	□			Adeno	
27	-	□		+	-	-	□			LCNEC	
28	○	□		-	□		+	□		Adeno	
29	-	□		+	+	-	-	□		Squamous	
30	+	+	+	+	+	+	+	□		Adeno	
31	+	-	-	+	+	-	+	□		Adeno	
32	+	+	-	+	+	-	+	□		Adeno	
33	+	□		+	+	+	+	□		Adeno	
34	○	□		+	-	-	+	□		Squamous	
35	-	□		-	□		+	+	-	Squamous	
36	-	□		-	□		+	□		SCLC	
37	+	-	-	+	-	-	+	□		Ambiguous	
38	+	□		+	+	+	+	□		Adeno	
39	+	+	+	+	+	+	-	□		Adeno	
40	+	+	+	+	-	-	-	□		Adeno	
41	+	-	-	+	-	-	+	□		Squamous	
42	+	+	+	+	□		+	+	-	Adeno	
43	+	□		+	+	-	+	+	-	Adeno	
44	+	+	+	+	+	-	+	□		Adeno	
45	+	-	-	+	+	-	+	+	-	Adeno	
46	+	+	+	+	-	-	+	□		Adeno	
47	+	□		+	-	-	+	□		Adeno	
48	+	+	+	+	+	+	+	+	+	Adeno	
49	+	□		+	-	-	+	-	-	Adeno	
50	+	□		+	-	-	+	□		Adeno	
□	not done	0	25	0	0	15	0	10	28	0	
+	positive	36	19	13	40	21	8	37	9	3	
-	negative	7	6	12	10	14	27	3	3	9	
○	inconclusive	7	0	0	0	0	0	0	0	0	

TC = tumor cells | NHL = non-Hodgkin lymphoma | SM = sarcomatoid mesothelioma | SCLC = small-cell lung carcinoma
 * This patient in whom all samples available in the current analysis were free of malignancy presented with a pre-existing diagnosis of adenocarcinoma.