

**Supplementary**

**Table S1** Immune-related toxicities during first ICI round and at rechallenge

Patient (no.)	Type of immune adverse reaction	
	During first ICI round	During rechallenge
01	Pneumopathy	No
02	Skin toxicity	No
03	Hepatitis	No
04	Pneumopathy	No
05	Pneumopathy, thyroiditis	No
06	Pneumopathy	No
07	Myocarditis	No
08	Pneumopathy	No
09	Skin toxicity	No
10	Colitis	No
11	Colitis	Pneumopathy
12	Nephritis	No
13	Pneumopathy	No
14	Pneumopathy	No
15	Skin toxicity	No
16	Hepatitis	Skin toxicity
17	Myositis, thyroiditis	No
18	Pneumopathy	No
19	Pneumopathy	Pneumopathy
20	Skin toxicity	No
21	Thyroiditis	Pneumopathy
22	Pneumopathy	No
23	Pneumopathy	No
24	Pancreatitis	No
25	Pneumopathy	No
26	Skin toxicity	Skin toxicity
27	Myositis	No
28	Pneumopathy	No
29	Thyroiditis	No
30	Myositis	No
31	Pneumopathy	No
32	Pneumopathy	No
33	Pneumopathy	No
34	Pneumopathy	No

**Table S1** (continued)

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Patient (no.)	Type of immune adverse reaction	
	During first ICI round	During rechallenge
35	Pneumopathy	Pneumopathy
36	Pneumopathy	Pneumopathy
37	Thyroiditis	Pneumopathy
38	Skin toxicity	No
39	Myositis	No
40	Pneumopathy	Pneumopathy

ICI, immune checkpoint inhibitor.