

Table S1 Patient clinical information

Group	ID	Age	Gender	Clinicopathologic diagnosis	Drinking history	Hypertension history	Metastatic sites	PD-L1
Thymic carcinoma	S01	67	F	Thymic carcinoma	No	No	None	Positive
	S04	47	M	Thymic carcinoma	Yes	No	None	Positive
	S05	39	M	Thymic carcinoma	No	No	None	Positive
	S06	42	M	Thymic carcinoma	No	No	Lung	Negative
	S10	69	M	Thymic carcinoma	No	Yes	None	Negative
	S12	58	M	Thymic carcinoma	Yes	No	None	Negative
	S13	65	F	Thymic carcinoma	No	Yes	None	Negative
	S14	57	M	Thymic carcinoma	No	Yes	None	Negative
	S15	52	M	Thymic carcinoma	No	No	None	Negative
Thymoma	S02	58	F	Thymoma	No	No	None	Positive
	S03	31	M	Thymoma	Yes	No	None	Positive
	S07	21	M	Thymoma	Yes	No	None	Negative
	S08	50	F	Thymoma	No	No	None	Negative
	S09	34	F	Thymoma	No	No	None	Negative
	S11	51	M	Thymoma	No	No	None	Negative
	S16	54	M	Thymoma	Yes	No	None	Positive
	S17	57	M	Thymoma	No	No	None	Negative
	S18	59	M	Thymoma	No	Yes	None	Positive
	S19	41	M	Thymoma	No	No	None	Positive
	S20	58	F	Thymoma	No	No	None	Positive
	S21	61	M	Thymoma	No	No	None	Positive