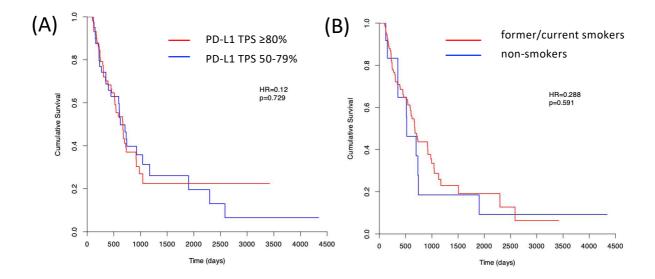
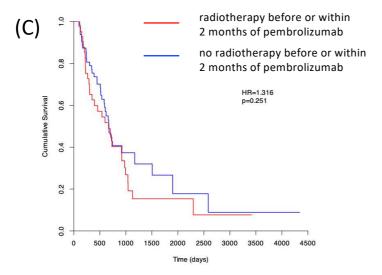
Mander *et al*, Supplementary Table 1 Summary of Patient demographics

Characteristics	PD-L1 TPS 50-79% (N = 40)	PD-L1 TPS ≥80% (N = 60)	p-value for pairwise comparison (Mann-Whitney test)
Age - yr (at diagnosis)			0.428
Median	67	68	
Range	47-81	40-91	0.055
Sex	40 (45 00/)	26 (42 20/)	0.955
Male - no. (%)	18 (45.0%)	26 (43.3%)	
Female - no. (%)	22 (55.0%)	34 (56.7%)	
Performance status		- /	0.353
0 - no. (%)	7 (17.5%)	8 (13.3%)	
0-1 - no. (%)	0 (0%)	3 (5%)	
1 - no. (%)	20 (50%)	35 (58.3%)	
1-2 - no. (%)	0 (0%)	3 (5%)	
2 - no. (%)	8 (20%)	10 (16.7%)	
2-3 - no. (%)	3 (7.5%)	0 (0%)	
3 - no. (%)	2 (5.0%)	1 (1.7%)	
Smoking status			0.306
Current - no. (%)	22 (55.0%)	23 (38.3%)	
Former - no. (%)	12 (30.0%)	31 (51.7%)	
Never - no. (%)	6 (15.0%)	6 (10.0%)	
Histology			0.280
Squamous cell carcinoma - no. (%)	12 (30.0%)	13 (21.7%)	
Adenocarcinoma- no. (%)	25 (62.5%)	41 (68.3%)	
Adenosquamous - no. (%)	1 (2.5%)	1 (1.7%)	
Not specified - no. (%)	2 (5.0%)	5 (8.3%)	
EGFR mutation status			0.692
Positive - no. (%)	1 (2.5%)	1 (1.7%)	
Negative - no. (%)	25 (62.5%)	43 (71.7%)	
Unknown - no. (%)	14 (35.0%)	16 (26.7%)	
ALK translocation status			
Positive - no. (%)	0 (0%)	0 (0%)	1.000
Negative - no. (%)	25 (62.5%)	43 (71.7%)	
Unknown - no. (%)	15 (37.5%)	17 (28.3%)	
ROS-1 rearrangement status			1.000
Positive - no. (%)	0 (0%)	0 (0%)	
Negative - no. (%)	10 (25.0%)	19 (31.7%)	
Unknown - no. (%)	30 (75.0%)	41 (68.3%)	
Pembrolizumab therapy			0.101
First line (%)	34 (85%)	54 (85%)	
Second line (%)	6 (15%)	6 (15%)	
Stage			0.422
I - no. (%)	1 (2.5%)	1 (1.7%)	
II - no. (%)	3 (7.5%)	2 (3.3%)	
III - no. (%)	10 (25.0%)	14 (23.3.%)	
IV - no. (%)	26 (65.0%)	43 (71.7%)	
Radiotherapy before or within two months of immunotherapy			0.944
Radical - no. (%)	4 (10.0%)	6 (10.0%)	0.968
Palliative - no. (%)	12 (30.0%)	17 (28.3%)	0.961
Thoracic - no. (%)	4 (10.0%)	10 (16.7%)	
Extra-thoracic - no. (%)	8 (20.0%)	7 (11.7%)	

Mander et al, Supplementary Figure 1





Mander *et al*, Supplementary Table 2 Cox regression analysis

Variable	Hazard Ratio (HR)	Standard Error (SE)	p-value
PD-L1≥80% (yes/no)	1.178	0.286	0.568
Smoking status (yes/no)	2.040	0.408	0.081
Performance Status (PS)			0.009
PS(1)	0.074	0.747	0.000
PS(2)	0.523	0.857	0.449
PS(3)	0.133	0.661	0.002
PS(4)	0.279	0.982	0.193
PS(5)	0.137	0.695	0.004
(PS(6)	0.073	1.191	0.028
Stage			0.126
Stage(1)	0.616	1.032	0.639
Stage(2)	0.310	0.657	0.075
Stage(3)	0.504	0.370	0.064
Histology			0.827
Histology(1)	1.028	1.041	0.979
Histology(2)	1.237	1.071	0.843
Radiotherapy before of within 2 months of starting immunotherapy (yes/no)	0.478	0.322	0.022