

Supplementary information

A local human V δ 1 T cell population is associated with survival in nonsmall-cell lung cancer

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Patient ID	Age	Sex	Smoking Status	Histology	Primary Size (mm)	Stage	Relapse	RFS (days)
CRUK0001	84	M	Ex-smoker	Adenocarcinoma	25	2A	N	1120
CRUK0058	74	M	Ex-smoker	Adenocarcinoma	16	2B	N	1872
CRUK0107	64	M	Ex-smoker	Squamous	80	2B	N	1862
CRUK0124^	78	M	Ex-smoker	Adenocarcinoma	35	2B	N	1544
CRUK0173	62	F	Ex-smoker	Squamous	40	3A	Y	812
CRUK0178	59	M	Ex-smoker	Adenocarcinoma	20	2A	N	66
CRUK0193	74	M	Never-smoker	Adenocarcinoma	26	1A	N	2107
CRUK0214	67	M	Smoker	Squamous	23	1B	N	833
CRUK0218	53	F	Smoker	Adenocarcinoma	34	1B	N	1291
CRUK0230#	53	F	Ex-smoker	Adenocarcinoma	55	2A	NA	NA
CRUK0271#	57	F	Smoker	Adenosquamous	59	2B	NA	NA
CRUK0272	92	M	Ex-smoker	Adenocarcinoma	55	2A	Y	95
CRUK0291#	62	M	Smoker	Squamous	50	3A	NA	NA
CRUK0299	49	F	Smoker	Adenocarcinoma	25	2A	Y	640
CRUK0324^	62	M	Smoker	Adenocarcinoma	29	1A	N	1886
CRUK0329	69	M	Ex-smoker	Squamous	30	1A	Y	703
CRUK0371^	87	M	Ex-smoker	Adenocarcinoma	18	1B	N	1429
CRUK0381^	52	F	Ex-smoker	Squamous	55	2A	N	1943
CRUK0412	50	M	Ex-smoker	Adenocarcinoma	75	3A	Y	280
CRUK0416	70	M	Ex-smoker	Adenocarcinoma	32	2A	N	99
CRUK0516*	60	M	Smoker	Squamous	73	2B	Y	59
CRUK0549^	64	F	Ex-smoker	Squamous	75	2B	N	1546
CRUK0696	60	F	Smoker	Adenocarcinoma	35	1B	N	1702
CRUK0817*	64	M	Ex-smoker	Adenocarcinoma	130	2B	Y	203
CRUK0867	60	M	Smoker	Squamous	44	2A	Y	131

Supplementary Table 1

Clinical features of patients. Cryopreserved PBMCs, NT tissue and tumour TILs were characterised by flow cytometry +/- TCRseq. ^Contemporaneous PBMC phenotyping not performed for these samples. #Involved margins on primary resection and thus excluded from outcome analysis. *Flow cytometry staining failed on TILs from CRUK516 NT tissue and CRUK817 tumour. "Ex-smoker" = stopped smoking for >12 months, "Smoker" = currently smoking or stopped smoking for <12 months. RFS: relapse-free survival.

Key Reagents	Supplier	Catalogue Number	Dilution Used
Anti-CD3 (PerCP-Cy5.5)	Biolegend	317336	1:100
Anti-CD4 (PE-Dazzle594)	Biolegend	317448	1:100
Anti-CD8a (AF700)	Biolegend	300920	1:100
Anti-CD14 (PE-Cy7)	Biolegend	367112	1:100
Anti-CD19 (AF700)	Biolegend	363033	1:100
Anti-CD25 (BV650)	Biolegend	302634	1:100
Anti-CD27 (BV786)	BD Biosciences	563327	1:100
Anti-CD45 (BV605)	Biolegend	304042	1:100
Anti-CD45RA (BV510)	Biolegend	304142	1:100
Anti-CD56 (APC)	Biolegend	362504	1:100
Anti-CD103 (BV421)	Biolegend	350214	1:100
Anti-CD107A (BV650)	Biolegend	328637	1:100
Anti-IL-17 (APC)	Biolegend	512333	1:100
Anti-IFN- γ (BV421)	Biolegend	502531	1:100
Anti-TCR V δ 1 (FITC)	ThermoFisher	TCR2730	1:100
Anti-TCR V δ 2 (PE)	Biolegend	331408	1:100
Anti-TCR $\gamma\delta$ (PE-Cy7)	Beckman Coulter	B10247	1:100
BD CellFIX	BD Biosciences	340181	1x
Brefeldin A	Biolegend	420601	5 μ g/ml
DNase	Roche	10104159001	75 μ g/mL
Permeabilisation Wash Buffer	Biolegend	421002	1x
Superase RNase Inhibitor	ThermoFisher	AM2694	2U/ml
Type 1 Collagenase	ThermoFisher	17018029	10U/ml
Zombie NIR Viability Dye	Biolegend	423106	1:500

Supplementary Table 2

Key reagents and antibodies.