

Key: Tested and recognised (peptide and/or tetramer).

Sequence	Length (aa)	Referred to as:	HLA restriction	Protein
Peptides that appear in the				
EAAGIGILTV	10	Melan A₁₀		
AAGIGILTV	9	Melan A₉		Melanoma antigen recognised by T-cells 1
E <u>L</u> AGIGILTV	10	Melan A_{A2L}	HLA A*02:01	
LLLGIGILVL	10	BST2₁₀		Bone marrow stromal antigen 2
LLLGIGILV	9	BST2₉		
NLSALGIFST	10	IMP2₁₀		Insulin-like growth factor 2 mRNA-binding protein 2
RLSNRLLLR	9	TAG	HLA A*03:01	Tumour associated gene
Peptides details in figures				
FILPVLGAV	9	CDH3		Cadherin-3
SLSKILDTV	9	NY-BR-1	HLA A*02:01	Ankyrin repeat domain-containing protein 30A
ILAKFLHWL	9	hTERT		Human telomerase reverse transcriptase
YLEYRQVPG	9	MAGE A3		Melanoma associated antigen 3
Peptides that are detailed in figures 3 and				
NLAAVGLFPA	10	IMP1		Insulin-like growth factor 2 mRNA-binding protein 1
VYAALGILQG	10	MRP3		ATP-binding cassette sub-family C member 3

LILNIAIFFV	10	DSE		Dermatan-sulfate epimerase
ATSAMGTISI	10	MUC-16^{ATS}	Candidate HLA A*02:01	Mucin-16
ISAVVGILLV	10	ERBB2		Receptor tyrosine-protein kinase erbB-2
TSSAIPIMTV	10	MUC-16^{TSS}		Mucin-16
TYSCVGVFQH	10	HSP70-1		Heat shock 70 kDa protein 1A
Peptides used as irrelevant				
SLYNTVATL	9	HIV^{Gag}		Gag
ALWGPDPAAA	10	PPI	HLA A*02:01	Preproinsulin
ILAKFLHWL	9	hTERT		Human telomerase reverse transcriptase
QVPLRPMTYK	9	HIV^{Nef}	HLA A*03:01	Nef

Tested and not recognised. X Not tested.

Residues	Clones/TCRs	T-cell lines	TILs
the main text			
26-35	MEL8, MEL5, MEL11, MEL25, MEL31, CLL9, VB8	ME91, U386, healthy donors	MM909.24
27-35	VB8	X	X
Heteroclitic version of 26- 35	Referred to in data discussion		
22-31	MEL8, MEL5, MEL11, MEL25, MEL31, CLL9	ME91, U386, healthy donors	MM909.24
23-31	MEL5, MEL8	X	MM909.24
367-376	MEL8, MEL5, MEL11, MEL25, MEL31, CLL9	ME91, U386, healthy donors	MM909.24
Not defined as identified from a transcript	GD.2.11	X	MM909.11 MM909.15
Sections 2 and S3			
655-663	GD.FIL.6/30	X	X
904-912	Lucky.6.NYBR1 ST.64.NYBR1	X	X
540-548	ILA1	X	X
240-248	MAGE-72	X	X
Section 4 (not in the main text)			
368-378	MEL8, MEL5	X	X
Isoform 1 1014-1023	MEL8, MEL5	X	X

905-914	MEL8, MEL5	X	X
7504-7513	MEL8, MEL5	X	X
655-664	MEL8, MEL5	X	X
10,720-10,729	MEL8, MEL5	X	X
14-23	MEL8, MEL5	X	X

at tetramers

77-85	See figures
15-24	
540-548	
73-82	