

CD8 neoantigen-specific CDR3 Vβ shared with tumour tissue

Neoantigen specificity	CDR3 nucleotide sequence	Vβ	TCR reads	Primary	Metastasis
MAFF MUT	TGCAGCGTTGAAGGTGTATCTAGCGGGAGCTCCTACAATGAGCAGTTCTTC	TRBV29-1*01	1	1	
MAFF MUT	TGTGCCAGTAGTATGGGGACCGGGTTCGGCGCTTTCTTT	TRBV19*01	1	1	
MAFF MUT	TGTGCCAGCAGCATTCTCCAGACAATGAGCAGTTCTTC	TRBV11-3*01	1		1
MAFF WT	TGTGCCAGCTCACCACCGGAGGGGGCTGAAGCTTTCTTT	TRBV18*01	1	1	
MAFF WT	TGTGCCAGCAGCCGAGGACAGGGGTGAGGAGGATACGCAGTATTTT	TRBV5-6*01	1		1
MAFF WT	TGTGCCAGCAGCTTTTCAGGGTGAACACTGAAGCTTTCTTT	TRBV5-6*01	1		1
POC1B MUT	TGTGCCAGCAGTCGCCCCGCCGATACGCAGTATTTT	TRBV27*01	1	1	
POC1B MUT	TGTGCCAGCAGTTTCGGAGGGGAGAGCAGTACTTC	TRBV28*01	1		1
NIF3L1 MUT	TGTGCCAGCAGCTCGACAGGGGGCAGGTTGGATGAGCAGTTCTTC	TRBV7-2*01	1		1
NIF3L1 MUT	TGTGCCAGCAGCCCCGGGACAGGGAAACGAGCAGTACTTC	TRBV7-6*01	1		2
NIF3L1 MUT	TGTGCCACAGGGGGCAGGGCCGTGAGGGCAATCAGCCCCAGCATTTC	TRBV19*01	3		1
NIF3L1 WT	TGCGCCAGCAGCCAAGACGGGACGGGGACACTGAAGCTTTCTTT	TRBV4-1*01	1	1	
NIF3L1 WT	TGTGCCAGCAGTTATAGCAGGGAAAAAGAGACCCAGTACTTC	TRBV6-6*01	1		1
NIF3L1 WT	TGTGCCAGCAGCACGGACAGGGCCCTCTACGAGCAGTACTTC	TRBV7-2*01	1		2
KEAP1 MUT	TGTGCCAGCAGTTTATCTTTTCGGACTCGAGGGTACTTC	TRBV27*01	1	1	
KEAP1 MUT	TGCAGTGCTAGAATCATTCACTGGGACGGGGGGACCCCAAGAGACCCAGTACTTC	TRBV20-1*01	1		1
KEAP1 MUT	TGTGCCAGCAGCTCAGACCGGGACACCGGACCCGGGAGCTGTTTTTT	TRBV7-8*01	1		1
KEAP1 MUT	TGTGCCAGCAGTACCACAGGCTCTACGAGCAGTACTTC	TRBV28*01	1		1
KEAP1 MUT	TGTGCCAGCAGTTTGTACGGGGCTATGGCTACACCTTC	TRBV27*01	1		1
KEAP1 MUT	TGTGCCAGCAGCCCGACTCTCTGGTCCAATGAGCAGTTCTTC	TRBV28*01	1		2
KEAP1 WT	TGTGCCAGCAGCCAGGGACGAGTAGCACAGATACGCAGTATTTT	TRBV7-9*01	1		1
KEAP1 WT	TGCGCCAGCAGCTCCTTGGACAGGGTGTGGCGGGGAGCTGTTTTTT	TRBV5-1*01	3	1	
KEAP1 WT	TGTGCCAGCAGCCAAGTATCAAGGGAACCCGTTTTTGAGACCCAGTACTTC	TRBV4-2*01	14	1	
KIAA0408 MUT	TGTGCCAGCAGCCAGGGGTGGGCTACACCTTC	TRBV27*01	1	1	
KIAA0408 MUT	TGTGCCAGCAGTCCGTGGGCGGGAGCAGATACGCAGTATTTT	TRBV12-3*01,TRBV12-4*01	1	1	
KIAA0408 MUT	TGCGCCAGCAGCCAAGATCGAAGGGGGGAACTACGAGCAGTACTTC	TRBV4-3*01	1	1	
KIAA0408 MUT	TGCAGTGCTAGCAGACTAGCAGGGACAATGAGCAGTTCTTC	TRBV20-1*01	1		1
KIAA0408 MUT	TGTGCCAGCAGTTACCAGGGGCCACTTATGGCTACACCTTC	TRBV6-6*01	1		1
KIAA0408 MUT	TGTGCCAGCAGCGTCGGGACAGGGTCCACGAGCAGTACTTC	TRBV9*01	1		1
KIAA0408 MUT	TGCGCCAGCAGCGGTGCGGGGGGTTGGAGACCCAGTACTTC	TRBV5-1*01	1	7	2
KIAA0408 MUT	TGTGCCAGTAGTATAGGTGGCAGCTCCTACAATGAGCAGTTCTTC	TRBV19*01	15		1

CD4 neoantigen-specific CDR3 Vβ shared with tumour tissue

Neoantigen specificity	CDR3 nucleotide sequence	Vβ	TCR reads	Primary	Metastasis
KIAA0408 MUT	TGCGCCAGCAGCCTAGCAGGGATGAACACTGAAGCTTTCTTT	TRBV5-1*01	1	1	NA
KIAA0408 MUT	TGTGCCAGCAGCCAAGATGCTAGCGGGTCTACAATGAGCAGTTCTTC	TRBV4-2*01	1		1
KIAA0408 MUT	TGCGCCAGCAGCTTACAGGGGACCCGAACACCGGGGAGCTGTTTTTT	TRBV5-1*01	1		1
KIAA0408 MUT	TGCGCCAGCAGCTTGACACCCTGGCTCCTACGAGCAGTACTTC	TRBV5-1*01	1		1
KIAA0408 MUT	TGTGCCAGCAGCCAAGATGGGGCGGGGGCCACAGATACGCAGTATTT	TRBV3-1*01	1		1
KIAA0408 MUT	TGTGCCAGCAGCCAAGGGGATTACCCCTCCACTTT	TRBV7-6*01	1		1
KIAA0408 MUT	TGTGCCAGCAGCCCGACGGACTAGCGGGAGTGGAGACCCAGTACTTC	TRBV11-2*01	1		1
KIAA0408 MUT	TGTGCCAGCAGCCCTAGTGGGAGAGAAGAGACCCAGTACTTC	TRBV11-3*01	1		1
KIAA0408 MUT	TGTGCCAGCAGCTTAGGGGCTAGCGGGAGTGGAGACCCAGTACTTC	TRBV11-3*01	1		1
KIAA0408 MUT	TGTGCCAGCAGTAGCAGGACGGGTGCAACTAATGAAAACTGTTTTTT	TRBV27*01	1		1
KIAA0408 MUT	TGTGCCAGCAGTGTATCCGGGACAGCGAACACTGAAGCTTTCTTT	TRBV27*01	1		1
KIAA0408 MUT	TGTGCCCTCAAGATGGGGGCCAGCACTGAAGCTTTCTTT	TRBV10-3*01	1		1
KIAA0408 MUT	TGTGCCAGCAGTTACCTGTCGCGCGCACTAATGAAAACTGTTTTTT	TRBV6-5*01	2		1
KIAA0408 MUT	TGTGCCAGCTACCCCCACGCGGGCGAACACCGGGGAGCTGTTTTTT	TRBV18*01	4		1
KEAP1 MUT	TGCGCCAGCCGAGAAGCAACCGGGACAGATACGCAGTATTTT	TRBV5-1*01	1	1	4
KEAP1 MUT	TGTGCCAGCAGCTTGGGCCCGGGACACATTTGCAGTTCTTC	TRBV5-6*01	1		1
NIF3L1 WT	TGTGCCAGCAGCTTAGAGGGATTAAGCAATCAGCCCCAGCATTTT	TRBV7-2*01	1		2
NIF3L1 WT	TGCAGTGCTAGTGATTCCGGGGAGCTGTTTTTT	TRBV20-1*01	1	1	
NIF3L1 WT	TGTGCCAGCAGTTTATCTGGGACTTCTGGAACACCATATATTTT	TRBV12-3*01,TRBV12-4*01	1		1
POC1B MUT	TGTGCCAGCAGTCCGTGGGCGGGAGCAGATACGCAGTATTTT	TRBV12-3*01,TRBV12-4*01	1	1	
POC1B MUT	TGTGCCAGCTCGGGGGACAGTAGCTACTACGAGCAGTACTTC	TRBV18*01	1	2	1
POC1B MUT	TGTGCCAGTAGTATAACCAACCGGGGGACAAATGGCTACACCTTC	TRBV19*01	1		1
POC1B MUT	TGTGCCAGCAGCCAAGAAGCAACCGGGACCATGAACACTGAAGCTTTCTTT	TRBV14*01	1		2
POC1B MUT	TGTGCCAGCAGTCCCGCCCGATACGCAGTATTTT	TRBV27*01	1	1	
POC1B MUT	TGTGCCAGCAGTTTCGGAGGGGGAGAGCAGTACTTC	TRBV28*01	1		1
POC1B MUT	TGTGCCAGCTACCACCGGAGGGGGCTGAAGCTTTCTTT	TRBV18*01	1	1	
POC1B MUT	TGTGCCATCAGTAAAGGGGGAGGCCTACGAGCAGTACTTC	TRBV10-3*01	2		1
POC1B MUT	TGTGCCAGCAGTGAATCGATGGACAGTAACACTGAAGCTTTCTTT	TRBV25-1*01	2	1	4
POC1B MUT	TGTGCCAGCAGTTAATGGGGAGCACCGGGGAGCTGTTTTTT	TRBV28*01	2		6
POC1B MUT	TGTGCCAGCAGTCCCCTGCCGGACCCATGAACACTGAAGCTTTCTTT	TRBV27*01	22		6
MAFF WT	TGTGCCAGCAGCCACAGGGGTTGGGAGAGACCCAGTACTTC	TRBV5-6*01	1		1
MAFF WT	TGTGCCAGCAGTTGGAGGAGCTACTCTGGAACACCATATATTTT	TRBV12-3*01,TRBV12-4*01	1		2
MAFF WT	TGCAGTGCCCAACGGGGCCCCCGGGGAGTCTCTTC	TRBV20-1*01	1	1	
MAFF WT	TGTGCCAGCAGTTGCCCCCTGAGACCACTGAAGCTTTCTTT	TRBV6-2*01,TRBV6-3*01	1		1
MAFF MUT	TGTGCCAGCAGTTATGATCGGGAGTACGAAATACGCAGTATTTT	TRBV6-2*01,TRBV6-3*01	1		1
MAFF MUT	TGCGCCAGCAGCCAAGAGTTGCAGCTTAACACTGAAGCTTTCTTT	TRBV4-1*01	1	3	
MAFF MUT	TGCAGTGCTAGAGATGCGGGTCTAGCACAGATACGCAGTATTTT	TRBV20-1*01	1		1
MAFF MUT	TGCGCCAGCAGCCAAGATCGAAGGGGGGAACTACGAGCAGTACTTC	TRBV4-3*01	1	1	
MAFF MUT	TGTGCCAGCAGCTTAGCAGGGGGTCCAGCCCAGCATTTT	TRBV7-2*01	1		2