

Table S5: CDR3 sequences and the underlying VJ recombinations found in the NGS-sequenced samples TAM-4 and TAM-5.

	CDR3	IGHV	IGHJ	n
TAM-4	VKDLVTSGAGWGDC	hIGHV3-23	hIGHJ4	712
	ARYFDTRGHPLDF	hIGHV3-7	hIGHJ4	281
	ARYFDTRGHPLDF	hIGHV3-66	hIGHJ4	220
	ARDYQQLGRGEDA	hIGHV4-61	hIGHJ6	147
	ARYFDTRGHPLDF	hIGHV3-33	hIGHJ4	106
	ARDGSGSYNWFD	hIGHV3-7	hIGHJ5	95
	ARDYQQLGRGEDV	hIGHV4-61	hIGHJ6	83
	ARVASGSSTVQWDY	hIGHV4-61	hIGHJ4	80
	ARDGSGSYNWFD	hIGHV3-66	hIGHJ5	69
	ARDRDFWGSVNYFDY	hIGHV1-18	hIGHJ4	48
	ARYFDTRGHPLDF	hIGHV3-74	hIGHJ4	41
	ARDGSGSYNWFD	hIGHV3-33	hIGHJ5	33
	ARDGSGSYNWFD	hIGHV3-74	hIGHJ5	16
	ARDRDFWGSVNYFDY	hIGHV1-46	hIGHJ4	8
	ARYFDTRGHPLDF	hIGHV3-64	hIGHJ4	8
	AREWGSGLTLSWSFDL	hIGHV3-66	hIGHJ2	8
	AKDISPHYDSSDLQH	hIGHV3-9	hIGHJ1	8
	ARDRDFWGSVNYFDY	hIGHV1-69	hIGHJ4	7
	VKDLVAVSAGAGWGDC	hIGHV3-23	hIGHJ4	7
	AKPRAGGDYAFDI	hIGHV3-23	hIGHJ3	7
	AREWGSGLTLSWSFDL	hIGHV3-7	hIGHJ2	7
	AKEDTVRISHWYFDL	hIGHV3-30-3	hIGHJ2	6
	VKDLVTSGAGWGDC	hIGHV3-64	hIGHJ4	5
	ARLPEDTGRALDY	hIGHV3-11	hIGHJ4	4
	AKDPDSSGWINWYFDL	hIGHV3-23	hIGHJ2	4
	AKTNTLMTIWGSYDY	hIGHV3-30-3	hIGHJ4	4
	VKDVPVTSVAGAGWGDC	hIGHV3-23	hIGHJ4	3
	VKDLVTSGAGWGDR	hIGHV3-23	hIGHJ5	3
	AREWGSGLTLSWSFDL	hIGHV3-33	hIGHJ2	3
	ARDCSPDLGDMYYDALDI	hIGHV3-48	hIGHJ3	3
	ARYFDTRGHPLGF	hIGHV3-66	hIGHJ5	3
	AKTNTLMTIWGSYDY	hIGHV3-66	hIGHJ4	3
	TTILRYFDWLLHFDY	hIGHV3-15	hIGHJ4	2
	VKGVLTSGAGWGDC	hIGHV3-23	hIGHJ4	2
	VKDLVTSGARWGDC	hIGHV3-23	hIGHJ4	2
	VKDLVTSGAGWGDC	hIGHV3-23	hIGHJ5	2
	VKDALTSGAGWGDC	hIGHV3-23	hIGHJ4	2
	AKGRNFGVIAFDY	hIGHV3-23	hIGHJ4	2
	AKDRGGGQWLDDALDY	hIGHV3-23	hIGHJ4	2
	ARYFNTRGHPLDF	hIGHV3-33	hIGHJ4	2
	ARYFDTRGHPLDF	hIGHV3-53	hIGHJ4	2
	ARDCSPDLGDMYYDALDI	hIGHV3-53	hIGHJ3	2
ARDRDFWGSVNYFDY	hIGHV3-64	hIGHJ4	2	
ARYLDTRGHPLDF	hIGHV3-66	hIGHJ4	2	
AKEDTVRISHWYFDL	hIGHV3-66	hIGHJ2	2	
ARYLDTRGHPLDF	hIGHV3-7	hIGHJ4	2	
ARYFGTRGHPLDF	hIGHV3-7	hIGHJ4	2	
ARDYQQPRGEDA	hIGHV4-61	hIGHJ6	2	
ARAGDYGEYFDY	hIGHV4-61	hIGHJ4	2	
ATTSSLYYGMVDV	hIGHV6-1	hIGHJ6	2	

	CDR3	IGHV	IGHJ	n
TAM-5	ARRYYYASIGHYSYDL	hIGHV5-51	hIGHJ5	2982
	ARRYYYASIGHYSYDL	hIGHV5-a	hIGHJ5	875
	AIYPWYYCSINTCPLAFDP	hIGHV3-48	hIGHJ5	46
	ARRYYYASIGHYSYGL	hIGHV5-51	hIGHJ5	18
	ARRYYYASIGHYSYDL	hIGHV5-51	hIGHJ5	17
	ARRYYYASIGHYPYDL	hIGHV5-51	hIGHJ5	16
	AIYPWYYCSINTCPLAFDP	hIGHV3-66	hIGHJ5	13
	AGRYYYASIGHYSYDL	hIGHV5-a	hIGHJ5	12
	ARRCYASIGHYSYDL	hIGHV5-51	hIGHJ5	11
	ARRYYYAGIGHYSYDL	hIGHV5-51	hIGHJ5	9
	ARRCYASIGHYSYDL	hIGHV5-51	hIGHJ5	7
	ARRYYYASIGHYSYGL	hIGHV5-a	hIGHJ5	7
	ARRHYASIGHYSYDL	hIGHV5-51	hIGHJ5	6
	ARRYYHASIGHYSYDL	hIGHV5-51	hIGHJ5	6
	ARRYYYASIGHYSYDL	hIGHV5-51	hIGHJ5	5
	ARRYYASIGHYSYDL	hIGHV5-51	hIGHJ5	5
	ARRYYYASTGHYSYDL	hIGHV5-51	hIGHJ5	5
	ARRYYYAGIGHYSYDL	hIGHV5-a	hIGHJ5	4
	ARRYYYASIGHYSHDL	hIGHV5-51	hIGHJ5	4
	ARRYYYARIGHYSYDL	hIGHV5-51	hIGHJ5	3
	ARRYYYASIGHYPYDL	hIGHV5-a	hIGHJ5	3
	ARRYYYASIGHYSCDL	hIGHV5-51	hIGHJ5	3
	ARRYYYASIGRYSYDL	hIGHV5-51	hIGHJ5	3
	ARRYYYASIGYYSYDL	hIGHV5-a	hIGHJ5	3
	ARRYYYASVGHYSYDL	hIGHV5-51	hIGHJ5	3
	ARRYYYVSIGHYSYDL	hIGHV5-51	hIGHJ5	3
	AIYPWYYCSINTCPLAFDP	hIGHV3-64	hIGHJ5	2
	AKRYYYASIGHYSYDL	hIGHV5-a	hIGHJ5	2
	ARRYYYASIGHYSHDL	hIGHV5-a	hIGHJ5	2
	ARRYYYASIGHYSYDL	hIGHV5-51	hIGHJ5	2
	ARRYYYASIGHYSYGL	hIGHV5-51	hIGHJ5	2
	ARRYYYASIGYYSYDL	hIGHV5-51	hIGHJ5	2
	ARRYYYASISHYSYDL	hIGHV5-51	hIGHJ5	2
ARRYYYASNGHYSYDL	hIGHV5-51	hIGHJ5	2	
ARRYYYVSIGHYSYDL	hIGHV5-a	hIGHJ5	2	
TRRYYYASIGHYSYDL	hIGHV5-51	hIGHJ5	2	
VRRYYYASIGHYSYDL	hIGHV5-51	hIGHJ5	2	