

Supplemental Table 1 The primers of TRBV family and TRBC1 and GAPDH

<i>Family</i>	<i>Primer</i>
TRBV 1	gcacaacagttccctgacttgac
TRBV 2	tcatcaacctgcaagcctgacct
TRBV 3	gtctctagagagaagaaggag cgc
TRBV 4	acatatgagagtggattgtcatt
TRBV 5.1	atacttcagtgagacacagagaaac
TRBV 5.2	tccctaactatagctctgagctg
TRBV 6	aggcctgagggatccgtctc
TRBV 7	cctgaatgccccaacagctctc
TRBV 8	attactttaacaacaacgttccg
TRBV 9	cctaaatctccagacaagctcac
TRBV 10	ctcaaaaactatcctgtacctt
TRBV 11	tcaacagttccagaataaggacg
TRBV 12	aaaggagaagtctcagat
TRBV 13.1	caaggagaagtcccaat
TRBV 13.2	ggtgaggtacaactgcc
TRBV 14	gtctctcgaaaagagaagaggaat
TRBV15	agtgtctctcgacagggcacaggct
TRBV 16	aaagagtctaacaggatgagctc
TRBV 17	cagatagtaaatgactttcag
TRBV 18	gatgagtcaggaatgccaaggaa
TRBV 19	caatgccccagaacgcaccctgc
TRBV 20	agctctgaggtgccccagaatctc
TRBV 21	gattcacagttgcctaagga
TRBV 22	cagagaagtctgaaatattcga
TRBV 23	gatcgattctcagctcaacag
TRBV 24	aaagatttaacaatgaagcagac
TRBC	ttctgatggctcaaaca
TRBC1	tgaccccaagcaaggagga
GAPDH-Sense	cgaccacttctcaagctca
GAPDH-AntiSense	aggggtctacatggcaactg

Abbreviations: GAPDH, glyceraldehyde-3-phosphate dehydrogenase; TRBC1, TR beta chain constant 1; TRBV, T-cell receptor beta-chain variable.

The primers for TRBV family as previously described (Manfras BJ *et al. J Immunol Methods*, 1997, **210**: 235–249; Ikeda H *et al. Cancer Res*, 1993, **53**: 3078–3084) with a little modification.

Supplemental Table 2 HLA-A and DRB1 haplotypes in study subjects

<i>Subjects</i>	<i>MHC class I haplotype</i>		<i>MHC class II haplotype</i>	
1	A*11:01	A*21:02	DRB1*03:01	DRB1*13:12
2	A*02:01	A*24:02	DRB1*04:05	DRB1*15:01
3	A*01:01	A*02:07	DRB1*12:01	DRB1*15:01
4	A*11:01	A*11:53	DRB1*08:03	DRB1*08:03
5	A*11:01	A*11:01	DRB1*04:06	DRB1*12:02
6	A*02:01	A*02:07	DRB1*10:01	DRB1*12:01
7	A*02:01	A*02:03	DRB1*11:01	DRB1*12:02
8	A*03:01	A*23:02	DRB1*03:01	DRB1*13:01
9	A*02:07	A*24:02	DRB1*09:01	DRB1*12:02
10	A*02:07	A*24:02	DRB1*14:54	DRB1*16:02
11	A*02:07	A*24:02	DRB1*14:05	DRB1*15:01
12	A*02:03	A*11:13	DRB1*12:02	DRB1*12:02
13	A*02:01	A*02:03	DRB1*11:01	DRB1*12:02
14	A*11:01	A*24:02	DRB1*08:03	DRB1*09:01
15	A*02:01	A*11:01	DRB1*08:03	DRB1*16:02
16	A*11:01	A*11:01	DRB1*09:01	DRB1*13:12
17	A*02:07	A*02:07	DRB1*09:01	DRB1*16:02
18	A*02:07	A*33:03	DRB1*07:01	DRB1*12:01
19	A*11:01	A*11:01	DRB1*09:01	DRB1*09:01
20	A*01:01	A*24:02	DRB1*04:03	DRB1*07:01
21	A*01:01	A*11:01	DRB1*04:03	DRB1*10:01
22	A*11:01	A*11:53	DRB1*08:03	DRB1*12:02
23	A*02:01	A*11:01	DRB1*12:01	DRB1*14:54
24	A*11:01	A*24:02	DRB1*04:03	DRB1*16:02
25	A*02:07	A*24:02	DRB1*09:01	DRB1*12:02
26	A*02:07	A*24:02	DRB1*14:05	DRB1*15:01
27	A*02:07	A*11:01	DRB1*04:04	DRB1*12:01
28	A*02:07	A*02:07	DRB1*09:01	DRB1*09:01
29	A*11:01	A*24:02	DRB1*08:09	DRB1*12:02
30	A*02:07	A*11:01	DRB1*04:04	DRB1*12:01

Abbreviation: MHC, major histocompatibility complex.