

Supplementary Materials

TRA Ranking Top1-30 of oral mucosa in the ACM Day3					TRA Ranking Top1-30 of oral mucosa in the ACM Day7				
Rank	TRAV	TRAJ	CDR3	%Reads	Rank	TRAV	TRAJ	CDR3	%Reads
1	TRAV6-7/DV9	TRAJ32	CALGLYGGSGNKLIF	1.60	1	TRAV12N-2	TRAJ43	CALSGNNNNAPRF	2.04
2	TRAV11D	TRAJ18	CVVGDRGSALGRLHF(iNKT)	1.31	2	TRAV12-3	TRAJ26	CALSDFYAQGLTF	1.84
3	TRAV9-4	TRAJ53	CAVRSGGSNYKLTf	0.87	3	TRAV11D	TRAJ18	CVVGDRGSALGRLHF(iNKT)	1.46
4	TRAV17	TRAJ52	CALNTGANTGKLTf	0.83	4	TRAV13D-2	TRAJ12	CAIGTGGYKVVf	1.38
5	TRAV1	TRAJ33	CAVRDSNYQLIW(MAIT)	0.74	5	TRAV12N-2	TRAJ18	CALRMDRGSALGRLHF	1.14
6	TRAV13N-4	TRAJ40	CAMEPPGNYKYVf	0.69	6	TRAV9-3	TRAJ34	CAMSNrDKVVf	1.11
7	TRAV10N	TRAJ5	CAASTGTQVVGQLTf	0.61	7	TRAV9-3	TRAJ42	CAVRLSGGSNAKLTf	1.09
8	TRAV6D-7	TRAJ12	CALrPGTGGYKVVf	0.59	8	TRAV1	TRAJ33	CAVRDSNYQLIW(MAIT)	1.03
9	TRAV3D-3	TRAJ35	CAVPTQTGFASALTf	0.56	9	TRAV7-3	TRAJ30	CAAHDTNAYKVIF	0.98
10	TRAV8-2	TRAJ52	CATDTGANTGKLTf	0.52	10	TRAV6-5	TRAJ33	CALSMDSNYQLIW	0.91
11	TRAV10	TRAJ52	CAASTGANTGKLTf	0.50	11	TRAV4D-3	TRAJ30	CAAAANAYKVIF	0.88
12	TRAV5-1	TRAJ26	CSASIFNYAQGLTf	0.49	12	TRAV8-2	TRAJ42	CATDPGGSNAKLTf	0.85
13	TRAV12N-2	TRAJ27	CALSNrNTGKLTf	0.48	13	TRAV9-4	TRAJ34	CAVSPVSNrDKVVf	0.75
14	TRAV4D-4	TRAJ18	CAAGRSALGRLHF	0.47	14	TRAV9D-4	TRAJ9	CALSArNMGYKLTf	0.72
15	TRAV10	TRAJ39	CAARNNNAGAKLTf	0.47	15	TRAV14D-3/DV8	TRAJ31	CAANNrNRIFF	0.68
16	TRAV13-3	TRAJ49	CATGYQNYF	0.46	16	TRAV4-4/DV10	TRAJ18	CAADDRGSALGRLHF	0.68
17	TRAV7D-2	TRAJ37	CAADPTTGNTRKLTf	0.44	17	TRAV4-2	TRAJ52	CAAAANTGANTGKLTf	0.68
18	TRAV7D-2	TRAJ30	CAAKDTNAYKVIF	0.42	18	TRAV14D-3/DV8	TRAJ21	CAASSYNVLYF	0.67
19	TRAV6-1	TRAJ11	CVLGDDSGYNKLTf	0.40	19	TRAV13D-1	TRAJ24	CPTASLGKLQF	0.66
20	TRAV6-5	TRAJ33	CALRMDSNYQLIW	0.40	20	TRAV5-1	TRAJ13	CSASANSrGTYQRF	0.66
21	TRAV13D-2	TRAJ30	CAIDRITNAYKVIF	0.40	21	TRAV14-1	TRAJ43	CAASGNNNNAPRF	0.63
22	TRAV4-3	TRAJ32	CAADYGGSGNKLIF	0.39	22	TRAV10N	TRAJ13	CAARNSGTYQRF	0.63
23	TRAV4D-3	TRAJ39	CASENRNAGAKLTf	0.39	23	TRAV1	TRAJ32	CASYGGSGNKLIF	0.62
24	TRAV7-5	TRAJ22	CAMSPASSGSWQLIF	0.38	24	TRAV12-3	TRAJ22	CALSASSGSWQLIF	0.61
25	TRAV13-1	TRAJ43	CAINNNNAPRF	0.38	25	TRAV5-4	TRAJ27	CAASATNTGKLTf	0.53
26	TRAV7D-2	TRAJ27	CAASDTNTGKLTf	0.37	26	TRAV9D-4	TRAJ34	CAMSNrDKVVf	0.53
27	TRAV8-2	TRAJ26	CATEHNYAQGLTf	0.37	27	TRAV4D-3	TRAJ24	CAAEAAASLGKLQF	0.53
28	TRAV7D-5	TRAJ52	CAVNTGANTGKLTf	0.36	28	TRAV12N-2	TRAJ13	CALSEHSGTYQRF	0.51
29	TRAV13D-1	TRAJ35	CAMEGFASALTf	0.36	29	TRAV13D-2	TRAJ40	CAIDRTGNKYVf	0.49
30	TRAV16D/DV11	TRAJ48	CAMREGPDYGNKITf	0.36	30	TRAV14D-3/DV8	TRAJ30	CAASGSTNAYKVIF	0.49

Figure S1. Top 30 ranking read numbers of TRA clonotypes in the oral mucosa of ACM mice at Days 3 and 7 post-challenge. The distributions of %reads of amino acid sequences of CDR3 regions in the ACM mice showed that the shared iNKT cells (green shading) and MAIT cells (blue shading) in the oral mucosa of ACM mice at Days 3 and 7.

TRB Ranking Top1-30 of oral mucosa in the ACM Day1				TRB Ranking Top1-30 of oral mucosa in the ACM Day3				TRB Ranking Top1-30 of oral mucosa in the ACM Day7						
Rank	TRBV	TRBJ	CDR3	%Reads	Rank	TRBV	TRBJ	CDR3	%Reads	Rank	TRBV	TRBJ	CDR3	%Reads
1	TRBV4	TRBJ2-3	CASSRGS AETLYF	0.89	1	TRBV1	TRBJ1-4	CTCSPGQKNERLFF	1.47	1	TRBV29	TRBJ2-4	CASGTGNTLYF	1.84
2	TRBV13-3	TRBJ2-2	CASSRDNRTGQLYF	0.62	2	TRBV5	TRBJ1-4	CASSQAGGNTERLFF	1.19	2	TRBV13-2	TRBJ2-1	CASGDKGGAEQFF	0.77
3	TRBV1	TRBJ1-6	CTCSADSYNSPLYF	0.57	3	TRBV19	TRBJ1-1	CASIRTEVTEFF	0.97	3	TRBV29	TRBJ1-2	CASSLGQGNNDYTF	0.71
4	TRBV31	TRBJ1-1	CAWTGTPNTEVFF	0.57	4	TRBV31	TRBJ1-6	CAWRIGGYNSPLYF	0.70	4	TRBV5	TRBJ2-3	CASSPGQGAETLYF	0.70
5	TRBV29	TRBJ1-4	CASSFDNERLFF	0.55	5	TRBV14	TRBJ2-3	CASSFEETLYF	0.68	5	TRBV4	TRBJ2-3	CASSFRDWWGPETLYF	0.70
6	TRBV13-2	TRBJ2-5	CASGDARGDTQYF	0.46	6	TRBV17	TRBJ2-5	CASSREEDTQYF	0.57	6	TRBV5	TRBJ1-1	CASSHRDRGRTVEVFF	0.67
7	TRBV29	TRBJ2-2	CASSFRTGNTGQLYF	0.45	7	TRBV13-1	TRBJ2-7	CASSFPGGAREQYF	0.57	7	TRBV13-3	TRBJ2-1	CASSSETGGFAEQFF	0.66
8	TRBV29	TRBJ2-7	CASSWQGVQYF	0.40	8	TRBV1	TRBJ2-5	CTCSARLGQDQYF	0.55	8	TRBV5	TRBJ1-1	CASSQGANTEVFF	0.65
9	TRBV5	TRBJ1-4	CASSQEPGTGPNERLFF	0.37	9	TRBV13-2	TRBJ1-3	CASQNGSGNTLYF	0.53	9	TRBV5	TRBJ2-3	CASSQEGGRGAETLYF	0.52
10	TRBV29	TRBJ2-4	CGGGGVQNTLYF	0.35	10	TRBV19	TRBJ1-1	CASSMEGTEVFF	0.49	10	TRBV5	TRBJ1-1	CASSRQCNTVEVFF	0.48
11	TRBV16	TRBJ1-2	CASSLGNSDYTF	0.33	11	TRBV13-3	TRBJ2-5	CASSDWGDTQYF	0.46	11	TRBV29	TRBJ1-1	CASSPQANTEVFF	0.48
12	TRBV31	TRBJ1-5	CAWSPPGQGNQAPLF	0.32	12	TRBV5	TRBJ1-5	CASSQDGGKRNNAF	0.45	12	TRBV5	TRBJ2-5	CASSQDLNRADQDTQYF	0.44
13	TRBV1	TRBJ2-2	CTCSAPGANTGQLYF	0.32	13	TRBV26	TRBJ1-2	CASSLDNSDYTF	0.44	13	TRBV5	TRBJ2-5	CASSPTGGGQDQYF	0.43
14	TRBV29	TRBJ2-4	CASSLGGRYQNTLYF	0.31	14	TRBV5	TRBJ2-5	CASSRDWDQDTQYF	0.39	14	TRBV5	TRBJ2-1	CASSQGLGGPYAEQFF	0.43
15	TRBV19	TRBJ1-6	CASSIDREYSPLYF	0.30	15	TRBV1	TRBJ2-7	CTCSADNYEQYF	0.38	15	TRBV14	TRBJ1-4	CASSGQGPRLFF	0.42
16	TRBV3	TRBJ2-7	CASSLDGGEQYF	0.30	16	TRBV13-2	TRBJ2-7	CASGEPGARQYF	0.38	16	TRBV13-2	TRBJ1-2	CASGDAQANSDYTF	0.39
17	TRBV13-1	TRBJ2-2	CASSRQATQQLYF	0.30	17	TRBV5	TRBJ1-1	CASSQGANTEVFF	0.36	17	TRBV20	TRBJ1-4	CGAREQFNERLFF	0.38
18	TRBV19	TRBJ1-3	CASSAQNTLYF	0.30	18	TRBV29	TRBJ2-5	CASSSSCLGEDTQYF	0.35	18	TRBV19	TRBJ2-4	CASSVTGNTLYF	0.37
19	TRBV5	TRBJ2-7	CASSQDSRVREQYF	0.29	19	TRBV5	TRBJ1-4	CASSQARQQGGERLFF	0.34	19	TRBV5	TRBJ2-5	CASSPQLGQDTQYF	0.37
20	TRBV29	TRBJ1-4	CASSLAGRGNERLFF	0.29	20	TRBV13-1	TRBJ1-4	CASSDGRDRGNERLFF	0.34	20	TRBV29	TRBJ1-3	CASSRGTCAGNTLYF	0.36
21	TRBV5	TRBJ2-2	CASSQTGTGQLYF	0.29	21	TRBV13-2	TRBJ1-6	CASGDPNRTPLYF	0.33	21	TRBV1	TRBJ2-3	CTCSQCAETLYF	0.35
22	TRBV4	TRBJ1-4	CASSYTGFSNERLFF	0.28	22	TRBV14	TRBJ1-6	CASSPPTGNHNSPLYF	0.32	22	TRBV19	TRBJ2-2	CASSAGRNTGQLYF	0.34
23	TRBV1	TRBJ1-4	CTCSAGQKNERLFF	0.28	23	TRBV4	TRBJ2-1	CASSYWGGAGAEQFF	0.31	23	TRBV20	TRBJ1-1	CGASWGNTEVFF	0.34
24	TRBV13-2	TRBJ2-3	CASGTGASAEITLYF	0.28	24	TRBV4	TRBJ1-4	CASSFRDRGNERLFF	0.31	24	TRBV13-3	TRBJ2-3	CASSASGLGGAETLYF	0.34
25	TRBV31	TRBJ2-7	CAWSPTGTGGYEQYF	0.28	25	TRBV13-3	TRBJ1-3	CASSDAWTNSGNTLYF	0.30	25	TRBV13-2	TRBJ2-4	CASGEPAGGNTLYF	0.32
26	TRBV19	TRBJ2-1	CASSMGTVAEQFF	0.26	26	TRBV3	TRBJ2-5	CASSRDWGDQYF	0.29	26	TRBV29	TRBJ1-4	CASSRRQGSFNERLFF	0.32
27	TRBV15	TRBJ2-1	CASSWGLDWENYAEQ	0.26	27	TRBV13-3	TRBJ2-3	CASSDVAGGAETLYF	0.29	27	TRBV14	TRBJ2-1	CASSLRGGYAEQFF	0.32
28	TRBV19	TRBJ2-7	CASPTGSSYEQYF	0.26	28	TRBV13-3	TRBJ2-4	CASSGGGQLYF	0.28	28	TRBV13-2	TRBJ1-3	CASGDSNGNTLYF	0.32
29	TRBV5	TRBJ1-1	CASSQEGTGTTEVFF	0.26	29	TRBV4	TRBJ1-3	CASSLGPSGNTLYF	0.28	29	TRBV29	TRBJ2-4	CASSLNKNTLYF	0.30
30	TRBV29	TRBJ1-5	CASSFQGTNDNQAPLF	0.26	30	TRBV31	TRBJ2-7	CAWSLVGTGAEQYF	0.28	30	TRBV13-2	TRBJ1-1	CASGDYNTVEVFF	0.30

Figure S2. Top 30 ranking read numbers of TRB clonotypes in the oral mucosa of ACM mice at Days 1, 3, and 7 post-challenge. The Figure showed that the distributions of %reads of amino acid sequences of CDR3 regions of in the ACM mice at Days 3 and 7 post-challenge. There was no shared TRB clone at Days 1,3, and 7 in the oral mucosa of ACM mice.