Peripheral blood T-cell reference values from high-resolution immune phenotyping of γδ and αβ T-cells in younger and older subjects in the Berlin Aging Study II

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Supplementary Material

Table S1: Results of Mann-Whitney comparisons of the γδ T-cell compartments and subsets.

p-values and median frequencies are displayed for young CMV-seropositive (yCMV+), young CMV-seronegative (yCMV-), old CMV-seropositive (oCMV+) and old CMV-seronegative (oCMV-).

phenotype		yCMV- vs oCMV-	yCMV+ vs oCMV+	yCMV- vs yCMV+	oCMV- vs oCMV+	yCMV- vs oCMV+	oCMV- vs yCMV+
γδ T-cells/CD3+	p -value	**< 0.0001**	0.4865	0.2179	0.353	**0.0057**	0.156
	median frequencies	3.84 2.13	2.58 2.31	3.84 2.58	2.13 2.31	3.84 2.31	2.13 2.58
Vδ2+/γδ T-cells	p -value	0.1438	0.0691	0.2976	**< 0.0001**	**< 0.0001**	0.726
	median frequencies	71.49 66.30	68.61 37.88	71.49 68.61	66.30 37.88	71.49 37.88	66.3 68.61
CD27+CD28+CD45RA+CD16+/Vδ2+		n.a.					
CD27+CD28+CD45RA+CD16-/Vδ2+	p -value	0.9871	0.2988	0.2801	0.824	0.8249	0.2921
	median frequencies	12.83 12.43	8.43 11.96	12.83 8.43	12.43 11.96	12.83 11.96	12.43 8.43
CD27+CD28+CD45RA-CD16+/Vδ2+		n.a.					
CD27+CD28+CD45RA-CD16-/Vδ2+	p -value	0.0493	0.1733	0.5912	0.2567	**0.0004**	0.5261
	median frequencies	22.71 30.07	25.76 36.10	22.71 25.76	30.07 36.10	22.71 36.10	30.07 25.76
CD27+CD28-CD45RA+CD16+/Vδ2+	p -value	0.0207	0.5185	**0.0054**	0.204	**0.0015**	0.087
	median frequencies	0.11 0.05	0.01 0.04	0.11 0.01	0.05 0.04	0.11 0.04	0.05 0.01
CD27+CD28-CD45RA+CD16-/Vδ2+	p -value	**< 0.0001**	0.0903	**0.0022**	0.0603	**< 0.0001**	0.7623
	median frequencies	28.17 17.46	17.49 12.59	28.17 17.49	17.46 12.59	28.17 12.59	17.46 17.49
CD27+CD28-CD45RA-CD16+/Vδ2+		n.a.					
CD27+CD28-CD45RA-CD16-/Vδ2+	p -value	0.2856	0.1739	0.0742	0.0194	0.2977	0.0243
	median frequencies	5.43 4.20	7.88 6.03	5.43 7.88	4.20 6.03	5.43 6.03	4.20 7.88
CD27-CD28+CD45RA+CD16+/Vδ2+		n.a.					
CD27-CD28+CD45RA+CD16-/Vδ2+	p -value	0.1272	0.369	0.2187	0.3279	0.8108	0.9489
	median frequencies	1.27 1.56	1.55 1.18	1.27 1.55	1.56 1.18	1.27 1.18	1.56 1.55
CD27-CD28+CD45RA-CD16+/Vδ2+		n.a.					
CD27-CD28+CD45RA-CD16-/Vδ2+	p -value	**0.0005**	0.4009	0.3303	0.9271	0.0087	0.446
	median frequencies	2.76 4.64	4.48 5.49	2.76 4.48	4.64 5.49	2.76 5.49	4.64 4.48
CD27-CD28-CD45RA+CD16+/Vδ2+	p -value	0.6109	0.3201	0.4664	0.4664	0.7125	0.3198
	median frequencies	0.14 0.18	0.08 0.15	0.14 0.08	0.18 0.15	0.14 0.15	0.18 0.08
CD27-CD28-CD45RA+CD16-/Vδ2+	p -value	0.9834	0.7768	0.7749	0.6014	0.327	0.8777
	median frequencies	15.60 14.95	11.47 10.76	15.60 11.47	14.95 10.76	15.60 10.76	14.95 11.47
CD27-CD28-CD45RA-CD16+/Vδ2+		n.a.					
CD27-CD28-CD45RA-CD16-/Vδ2+	p -value	0.7188	0.6153	0.0392	0.0392	0.0447	0.0601
	median frequencies	2.62 2.68	3.71 4.27	2.62 3.71	2.68 4.27	2.62 4.27	2.68 3.71
Vδ1+/γδ T-cells	p -value	0.8003	0.1125	0.1487	**< 0.0001**	**< 0.0001**	0.1822
	median frequencies	12.32 11.46	11.31 32.93	12.32 32.93	11.46 32.93	12.32 32.93	11.46 11.31
CD27+CD28+CD45RA+CD16+/Vδ1+	p -value	0.1619	0.5522	0.4549	0.2453	0.8474	0.8696
	median frequencies	0.03 0.05	0.07 0.02	0.03 0.07	0.05 0.02	0.03 0.02	0.05 0.07
CD27+CD28+CD45RA+CD16-/Vδ1+	p -value	**< 0.0001**	0.0391	0.0122	**0.0045**	**< 0.0001**	0.842
	median frequencies	29.14 17.70	16.35 6.33	29.14 16.35	17.70 6.33	29.14 6.33	17.70 16.35
CD27+CD28+CD45RA-CD16+/Vδ1+		n.a.					
CD27+CD28+CD45RA-CD16-/Vδ1+	p -value	0.9352	0.6664	0.0797	0.0102	**0.0015**	0.1424
	median frequencies	5.11 5.89	4.22 2.15	5.11 4.22	5.89 2.15	5.11 2.15	5.89 4.22
CD27-CD28-CD45RA+CD16+/Vδ1+	p -value	0.3458	0.5323	0.4977	0.4287	0.7999	0.9314
	median frequencies	0.06 0.03	0.04 0.05	0.06 0.04	0.03 0.05	0.06 0.05	0.03 0.04
CD27-CD28-CD45RA+CD16-/Vδ1+	p -value	0.1011	0.0288	**0.0048**	**< 0.0001**	**< 0.0001**	0.056
	median frequencies	37.81 32.81	24.26 17.77	37.81 17.77	32.81 17.77	37.81 17.77	32.81 17.77
CD27-CD28-CD45RA-CD16+/Vδ1+		n.a.					
CD27-CD28-CD45RA-CD16-/Vδ1+	p -value	0.056	0.0173	0.7954	**0.0022**	**< 0.0001**	0.4411
	median frequencies	1.80 1.31	1.56 0.69	1.80 1.56	1.31 0.69	1.80 0.69	1.31 1.56
CD27-CD28+CD45RA+CD16+/Vδ1+		n.a.					
CD27-CD28+CD45RA+CD16-/Vδ1+		n.a.					
CD27-CD28+CD45RA-CD16+/Vδ1+		n.a.					
CD27-CD28+CD45RA-CD16-/Vδ1+		n.a.					
CD27-CD28-CD45RA+CD16+/Vδ1+	p -value	0.0159	0.6875	0.2981	0.871	0.0174	0.7255
	median frequencies	0.34 0.65	0.46 0.74	0.34 0.46	0.65 0.74	0.34 0.74	0.65 0.46
CD27-CD28-CD45RA+CD16-/Vδ1+	p -value	**< 0.0001**	0.0275	**0.0018**	**< 0.0001**	**< 0.0001**	0.3885
	median frequencies	18.65 37.02	46.87 65.15	18.65 46.87	37.02 65.15	18.65 65.15	37.01 46.87
CD27-CD28-CD45RA-CD16+/Vδ1+	p -value	0.4103	0.6057	0.6705	0.6242	0.2102	0.8439
	median frequencies	0.06 0.02	0.03 0.01	0.06 0.03	0.02 0.01	0.06 0.01	0.01 0.03
CD27-CD28-CD45RA-CD16-/Vδ1+	p -value	0.8439	0.992	0.5574	0.5574	0.6291	0.5604
	median frequencies	0.93 1.38	1.44 0.97	0.93 1.44	1.38 0.97	0.93 0.97	1.38 1.44
Vδ1-Vδ2-/γδ T-cells	p -value	0.1563	0.555	0.3605	0.3028	0.063	0.9269
	median frequencies	14.94 18.35	17.17 18.91	14.94 17.17	18.35 18.91	14.94 18.91	18.35 17.17
CD27+CD28+CD45RA+CD16+/Vδ1-Vδ2-	p -value	0.2828	0.0145	0.1457	0.3771	0.0359	0.0855
	median frequencies	0.04 0.0	0.14 0.0	0.04 0.14	0.0 0.0	0.04 0.0	0.0 0.14
CD27+CD28+CD45RA+CD16-/Vδ1-Vδ2-	p -value	**< 0.0001**	0.0462	0.2247	0.1554	**< 0.0001**	0.1136
	median frequencies	29.26 18.57	23.75 14.31	29.26 23.75	18.57 14.31	29.26 14.31	18.57 23.75
CD27+CD28+CD45RA-CD16+/Vδ1-Vδ2-		n.a.					
CD27+CD28+CD45RA-CD16-/Vδ1-Vδ2-	p -value	0.6112	0.457	0.4246	0.0286	**0.0071**	0.6269
	median frequencies	6.10 5.14	5.42 4.10	6.10 5.42	5.14 4.10	6.10 4.10	5.14 5.42
CD27+CD28-CD45RA+CD16+/Vδ1-Vδ2-	p -value	0.1661	> 0.9999	0.5596	0.0206	0.1876	0.0979
	median frequencies	0.06 0.10	0.07 0.06	0.06 0.07	0.10 0.06	0.06 0.06	0.10 0.07
CD27+CD28-CD45RA+CD16-/Vδ1-Vδ2-	p -value	**0.0057**	0.9272	0.0138	0.2279	**0.0005**	0.4824
	median frequencies	24.63 19.59	19.00 16.26	24.63 19.00	19.59 16.26	24.63 16.26	19.59 19.00
CD27+CD28-CD45RA-CD16+/Vδ1-Vδ2-		n.a.					
CD27+CD28-CD45RA-CD16-/Vδ1-Vδ2-	p -value	0.0346	**0.0064**	0.8951	0.0836	**< 0.0001**	0.3055
	median frequencies	1.42 0.75	1.50 0.55	1.42 1.50	0.75 0.55	1.42 0.55	0.75 1.50
CD27-CD28+CD45RA+CD16+/Vδ1-Vδ2-		n.a.					
CD27-CD28+CD45RA+CD16-/Vδ1-Vδ2-		n.a.					
CD27-CD28+CD45RA-CD16+/Vδ1-Vδ2-		n.a.					
CD27-CD28+CD45RA-CD16-/Vδ1-Vδ2-		n.a.					
CD27-CD28-CD45RA+CD16+/Vδ1-Vδ2-	p -value	**0.0006**	0.1434	0.3897	0.8437	**0.0009**	0.2041
	median frequencies	0.50 1.15	0.81 1.24	0.50 0.81	1.15 1.24	0.50 1.24	1.15 0.81
CD27-CD28-CD45RA+CD16-/Vδ1-Vδ2-	p -value	**< 0.0001**	0.0592	0.0144	0.0178	**< 0.0001**	0.5097
	median frequencies	25.57 39.93	37.14 48.13	25.57 37.14	39.93 48.13	25.57 48.13	39.93 37.14
CD27-CD28-CD45RA-CD16+/Vδ1-Vδ2-	p -value	0.5173	0.8257	0.943	0.3585	0.7384	0.7417
	median frequencies	0.04 0.04	0.05 0.0	0.04 0.05	0.04 0.0	0.04 0.0	0.04 0.05
CD27-CD28-CD45RA-CD16-/Vδ1-Vδ2-	p -value	**0.0002**	0.6561	0.3494	0.8755	**0.0006**	0.489
	median frequencies	2.35 4.34	3.88 4.28	2.35 3.88	4.34 4.28	2.35 4.28	4.34 3.88
Vδ1+/Vδ2+	p -value	0.5722	0.0634	0.1754	**< 0.0001**	**< 0.0001**	0.334
	median	0.19 0.17	0.20 0.83	0.19 0.20	**0.17 0.83**	**0.19 0.83**	**0.17** 0.20

Bonferroni correction: p-values ≤0.0083 were considered significant

Table S2: Results of Mann-Whitney comparisons of the CD8+ γδ T-cell compartments and subsets.

p-values and median frequencies are displayed for young CMV-seropositive (yCMV+), young CMV-seronegative (yCMV-), old CMV-seropositive (oCMV+) and old CMV-seronegative (oCMV-).

phenotype		oCMV+ vs oCMV-	yCMV+ vs yCMV-	oCMV+ vs yCMV+	oCMV- vs yCMV-	oCMV+ vs yCMV-	oCMV- vs yCMV+
CD8+/γδ T-cells	p -value	**0.0008**	0.3605	0.1672	0.5323	**0.0002**	0.6131
	median frequencies	10 5.2	7.1 4.9	10 7.1	5.2 4.9	10 4.9	5.2 7.1
Vδ2+/γδ T-cells	p -value	**0.0026**	0.0676	0.9293	0.2563	0.01	0.0295
	median frequencies	1.5 6.9	2.5 4.6	1.5 2.5	6.9 4.6	1.5 4.6	6.9 2.5
CD27-CD28-/Vδ2+		n.a.					
CD27-CD28+/Vδ2+		n.a.					
CD27+CD28-/Vδ2+		n.a.					
CD27+CD28+/Vδ2+		n.a.					
Vδ1+/γδ T-cells	p -value	**0.0062**	0.2062	0.1221	0.0245	**< 0.0001**	0.9023
	median frequencies	65.5 55.6	54.6 47.5	65.5 54.6	55.6 47.5	65.5 47.5	55.6 54.6
CD27-CD28-/Vδ1+	p -value	**0.0002**	**0.0029**	0.2143	0.0217	**< 0.0001**	0.2519
	median frequencies	73.0 60.0	63.5 47.9	73.0 63.5	60.0 47.9	73.0 47.9	60.0 63.5
CD27-CD28+/Vδ1+	p -value	0.6671	0.7437	0.8928	0.8323	0.7417	0.5812
	median frequencies	1.5 1.6	1.6 1.6	1.5 1.6	1.6 1.6	1.5 1.6	1.6 1.6
CD27+CD28-/Vδ1+	p -value	0.0162	0.0324	0.327	**0.0058**	**< 0.0001**	0.5319
	median frequencies	15.4 24.8	17.8 32.6	15.4 17.8	24.8 32.6	15.4 32.6	24.8 17.8
CD27+CD28+/Vδ1+	p -value	**0.0002**	0.014	0.2136	**0.001**	**< 0.0001**	0.4634
	median frequencies	3.0 5.7	5.3 9.3	3.0 5.3	5.7 9.3	3.0 9.3	5.7 5.3
Vδ1-Vδ2-/γδ T-cells	p -value	0.7348	0.5247	0.0453	**0.0002**	**0.0005**	0.0358
	median frequencies	22.4 23.5	32.6 36.0	22.4 32.6	23.5 36.0	22.4 36.0	23.5 32.6
CD27-CD28-/Vδ1-Vδ2-	p -value	0.0357	**0.006**	0.0328	**< 0.0001**	**< 0.0001**	0.7036
	median frequencies	53.2 29.3	17.5 7.5	53.2 17.5	29.3 7.5	53.2 7.5	29.3 17.5
CD27-CD28+/Vδ1-Vδ2-	p -value	0.2367	0.0567	0.5949	**< 0.0001**	**0.0027**	0.1376
	median frequencies	1.3 1.6	1.0 0.7	1.3 1.0	1.6 1.0	1.3 0.7	1.6 1.0
CD27+CD28-/Vδ1-Vδ2-	p -value	0.0513	0.6587	0.4447	0.1732	0.2582	0.6149
	median frequencies	8.5 12.6	13.7 9.7	8.5 13.7	12.6 9.7	8.5 9.7	12.6 13.7
CD27+CD28+/Vδ1-Vδ2-	p -value	0.1561	0.0744	**0.001**	**< 0.0001**	**< 0.0001**	0.0222
	median frequencies	21.6 37.6	57.4 70.0	21.6 57.4	37.6 70.0	21.6 70.0	37.6 57.4

Bonferroni correction: p-values ≤0.0083 were considered significant

Table S3: Results of Mann-Whitney comparisons of the αβT-cell compartments and subsets.

αβ T-cells are identified as CD3+ γδ TCR-. p-values and median frequencies are displayed for young CMV-seropositive (yCMV+), young CMV-seronegative (yCMV-), old CMV-seropositive (oCMV+) and old CMV-seronegative (oCMV-).

phenotype		yCMV- vs oCMV-	yCMV+ vs oCMV+	yCMV- vs yCMV+	oCMV- vs oCMV+	yCMV- vs oCMV+	oCMV- vs yCMV+
γδ TCR-/CD3+	p -value	**< 0.0001**	0.5357	0.1989	0.2706	**0.0076**	0.1883
	median frequencies	95.6 97.4	96.9 97.1	95.6 96.9	97.4 97.1	95.6 97.1	97.4 96.9
CD4+/γδ TCR-	p -value	**< 0.0001**	0.0260	0.4939	**< 0.0001**	**0.0002**	**< 0.0001**
	median frequencies	69.8 81.1	66.2 74.9	69.8 66.2	81.1 74.9	69.8 74.9	81.1 66.2
CD27+CD28+CD45RA+CD16-/CD4+	p -value	**< 0.0001**	0.0120	0.0363	**0.0034**	**< 0.0001**	0.2520
	median frequencies	68.7 57.9	61.6 52.1	68.7 61.6	57.9 52.1	68.7 52.1	57.9 61.6
CD27+CD28+CD45RA-CD16-/CD4+	p -value	**< 0.0001**	0.0243	0.2630	0.484	**< 0.0001**	0.0521
	median frequencies	28.2 38.2	32.2 39.2	28.2 32.2	38.2 39.2	28.2 39.2	38.2 32.2
CD27+CD28-CD45RA+CD16-/CD4+	p -value	0.1934	0.3510	0.0201	**< 0.0001**	**< 0.0001**	0.1460
	median frequencies	0.3 0.4	0.6 1.0	0.3 0.6	0.4 1.0	0.3 1.0	0.4 0.6
CD27+CD28-CD45RA-CD16-/CD4+	p -value	**0.0001**	0.0173	0.0292	**< 0.0001**	**< 0.0001**	0.8338
	median frequencies	0.07 0.13	0.13 0.25	0.07 0.13	0.13 0.25	0.07 0.25	0.13 0.013
CD27-CD28+CD45RA+CD16-/CD4+	p -value	0.5235	0.9740	0.5544	0.1150	0.3923	0.2847
	median frequencies	0.10 0.10	0.13 0.12	0.10 0.13	0.10 0.13	0.10 0.12	0.10 0.13
CD27-CD28+CD45RA-CD16-/CD4+	p -value	0.0314	0.8988	0.0120	0.0143	**0.0001**	0.0956
	median frequencies	2.57 2.83	3.7 3.98	2.57 3.7	2.83 3.98	2.57 3.98	2.83 3.7
CD27-CD28-CD45RA-CD16-/CD4+	p -value	**0.0029**	**0.0053**	**0.0002**	**< 0.0001**	**< 0.0001**	0.0138
	median frequencies	0.04 0.06	0.22 1.12	0.04 0.22	0.06 1.12	0.04 1.12	0.06 2.22
CD27-CD28-CD45RA+CD16-/CD4+	p -value	0.0150	0.0290	0.0295	**< 0.0001**	**< 0.0001**	0.1425
	median frequencies	0.02 0.05	0.11 0.56	0.02 0.11	0.05 0.56	0.02 0.56	0.05 0.11
CD8+/γδ TCR-	p -value	**< 0.0001**	0.0583	0.7376	**< 0.0001**	**0.0003**	**< 0.0001**
	median frequencies	27.10 16.23	30.42 21.54	27.10 30.42	16.23 21.54	27.10 21.54	16.23 30.42
CD27+CD28+CD45RA+CD16-/CD8+	p -value	**< 0.0001**	**0.0001**	**0.0029**	**0.0005**	**< 0.0001**	0.0115
	median frequencies	76.54 46.10	65.20 33.93	76.54 65.20	46.10 33.93	76.54 33.93	46.10 65.20
CD27+CD28+CD45RA-CD16-/CD8+	p -value	**< 0.0001**	**0.0057**	0.8875	**0.0009**	**< 0.0001**	**< 0.0001**
	median frequencies	11.23 24.39	12.27 16.66	11.23 12,2700	24.39 16.66	11.23 16.66	24.39 12.27
CD27+CD28-CD45RA+CD16-/CD8+	p -value	**0.0031**	0.3548	0.1087	0.0121	0.7876	0.4089
	median frequencies	4.19 6.44	5.32 4.27	4.19 5.32	6.44 4.27	4.19 4.27	6.44 5.32
CD27+CD28-CD45RA-CD16-/CD8+	p -value	0.0352	0.4358	0.2286	0.0334	0.8229	0.7555
	median frequencies	1.21 1.69	1.99 1.17	1.21 1.99	1.69 1.17	1.21 1.17	1.69 1.99
CD27-CD28+CD45RA+CD16-/CD8+	p -value	**< 0.0001**	**0.0035**	0.1996	0.0243	**< 0.0001**	0.0599
	median frequencies	0.45 1.07	0.80 1.43	0.45 0.80	1.07 1.43	0.45 1.43	1.07 0.80
CD27-CD28+CD45RA-CD16-/CD8+	p -value	**< 0.0001**	**0.0033**	0.3786	0.1564	**< 0.0001**	**0.0002**
	median frequencies	0.73 1.93	0.81 1.83	0.73 0.81	1.93 1.83	0.73 1.83	1.93 0.81
CD27-CD28-CD45RA+CD16-/CD8+	p -value	**< 0.0001**	0.0113	**< 0.0001**	**< 0.0001**	**< 0.0001**	0.0140
	median frequencies	2.52 6.85	12.55 25.32	2.52 12.55	6.85 25.32	2.52 25.32	6.85 12.55
CD27-CD28-CD45RA-CD16-/CD8+	p -value	0.0204	0.7475	**0.0018**	**0.0001**	**< 0.0001**	0.0415
	median frequencies	0.55 0.96	3.01 2.05	0.55 3.01	0.96 2.05	0.55 2.05	0.96 3.01
CD4/CD8	p -value	**< 0.0001**	0.0497	0.6148	**< 0.0001**	**0.0003**	**< 0.0001**
	median	2.59 5.01	2.21 3.43	2.59 2.21	5.01 3.43	2.59 3.43	5.01 2.21

Bonferroni correction: p-values ≤0.0083 were considered significant

Table S4: Results of Mann-Whitney comparisons of the absolute counts for all T-cell compartments.

p-values and median counts are displayed for young CMV-seropositive (yCMV+), young CMV-seronegative (yCMV-), old CMV-seropositive (oCMV+) and old CMV-seronegative (oCMV-).

phenotype		yCMV- vs oCMV-		yCMV+ vs oCMV+		yCMV- vs yCMV+		oCMV- vs oCMV+		yCMV- vs oCMV+		oCMV- vs yCMV+	
Lymphocytes	p -value	**0.0002**		0.9798		0.1230		0.1504		0.1045		0.3460	
	median counts	1815	1540	1700	1670	1815	1700	1540	1670	1815	1670	1540	1700
T-cells	p -value	**< 0.0001**		0.8504		0.1255		0.0585		0.0488		0.1247	
	median counts	1449	1119	1354	1323	1449	1354	1119	1323	1449	1323	1119	1354
αβ T-cells	p -value	**< 0.0001**		0.8504		0.1808		0.0708		0.0856		0.1617	
	median counts	1400	1099	1295	1276	1400	1295	1099	1276	1400	1276	1099	1295
CD4+ T-cells	p -value	0.0708		0.4497		0.1803		0.6640		0.6227		0.6701	
	median counts	960	900	848	914	960	848	900	914	960	914	900	848
CD8+ T-cells	p -value	**< 0.0001**		0.0758		0.5311		**< 0.0001**		**0.0003**		**< 0.0001**	
	median counts	378	171	246	299	378	246	171	299	378	299	171	246
CD4/CD8	p -value	**< 0.0001**		0.0497		0.6859		**< 0.0001**		**0.0002**		**< 0.0001**	
	median	2.58	5.07	2.21	3.43	2.58	2.21	5.07	3.43	2.58	3.43	5.07	2.21
γδ T-cells/CD3+	p -value	**< 0.0001**		0.4063		0.1034		0.1185		**0.0006**		0.0687	
	median counts	51	25	40	30	51	40	25	30	51	30	25	40
Vδ2+ T-cells	p -value	**< 0.0001**		0.0742		0.0267		0.0623		**< 0.0001**		0.4821	
	median counts	37	14	24	10	37	24	14	10	37	10	14	24
Vδ1+ T-cells	p -value	**< 0.0001**		0.6345		0.8939		**< 0.0001**		0.1349		**0.0049**	
	median counts	**6**	**2**	5	8	6	5	**2**	**8**	6	8	2	**5**
Vδ1-Vδ2- T-cells	p -value	**< 0.0001**		0.5672		0.2588		**0.0051**		0.0181		0.0197	
	median counts	**7**	**4**	6	5	7	6	**4**	**5**	7	5	4	6
Vδ1+/Vδ2+	p -value	0.6293		0.0641		0.1496		**< 0.0001**		**< 0.0001**		0.2794	
	median	0.18	0.17	0.20	0.83	0.18	0.20	0.17	0.83	0.18	0.83	0.17	0.20

Bonferroni correction: p-values ≤0.0083 were considered significant

Figure S1

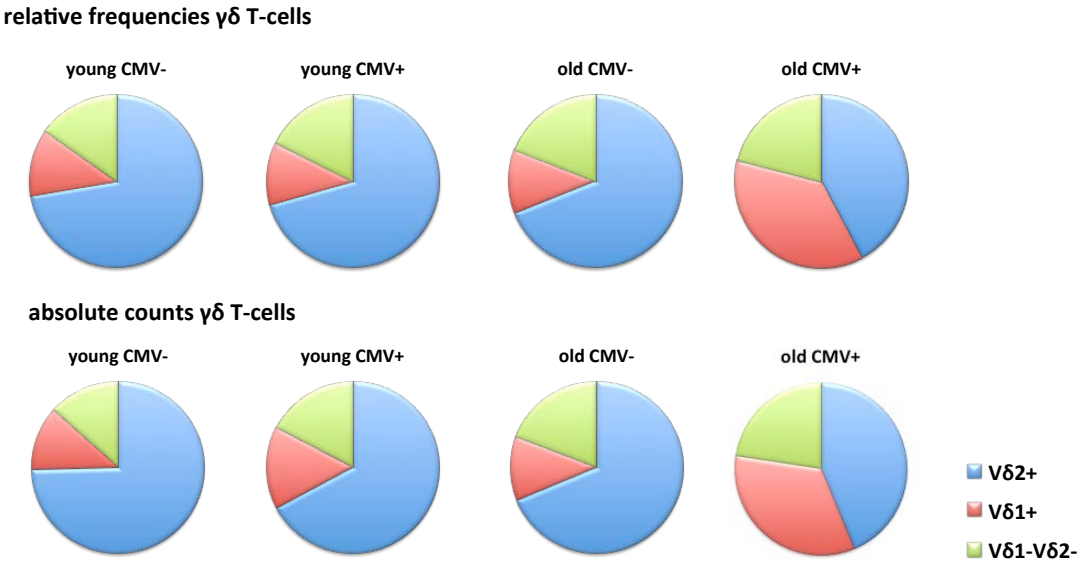


Figure S1: Median frequencies and absolute counts of the γδ T-cell compartments in young and old CMV-seropositive (CMV+) and seronegative (CMV-) individuals.

Figure S2

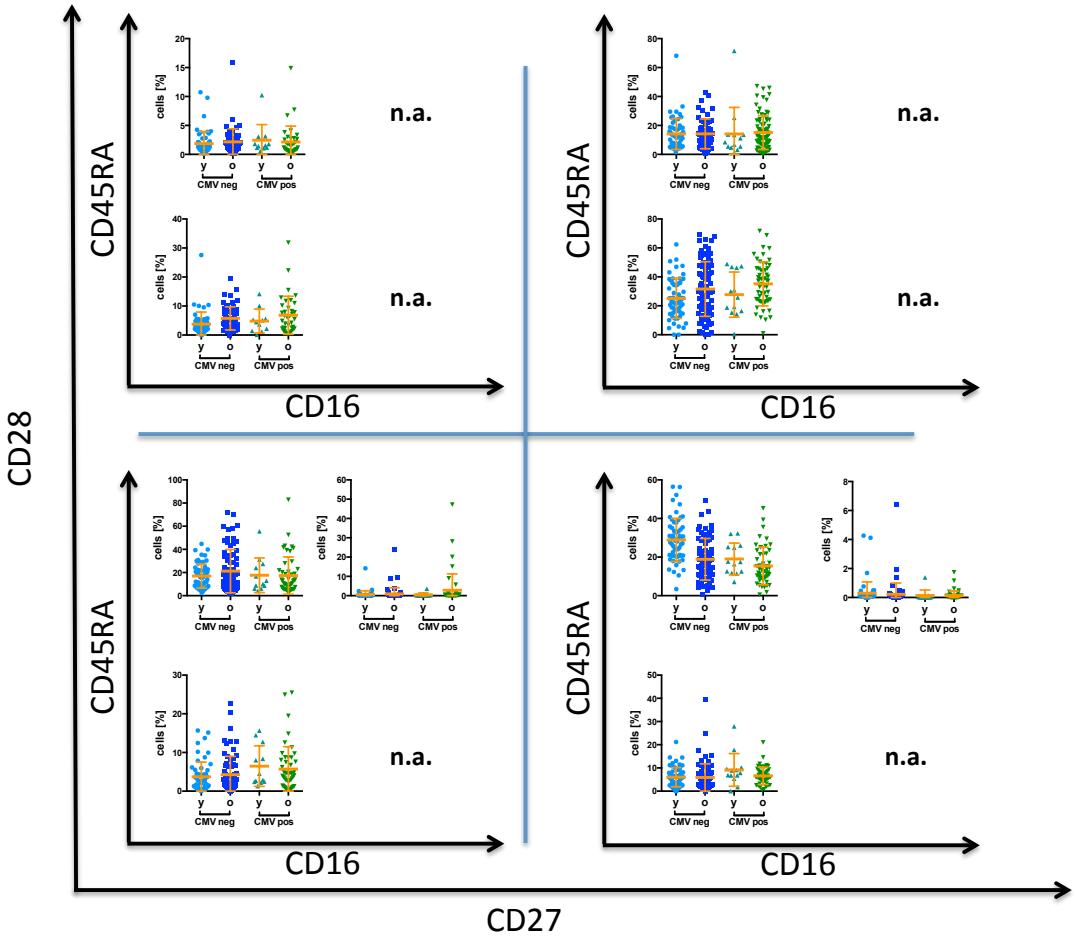


Figure S2: Differentiation phenotypes of the Vδ2+ compartment

The differentiation statuses were identified by CD27, CD28, CD45RA and CD16 in young (y) and old (o) CMV seropositive (CMV pos) and seronegative (CMV neg) individuals.

Figure S3

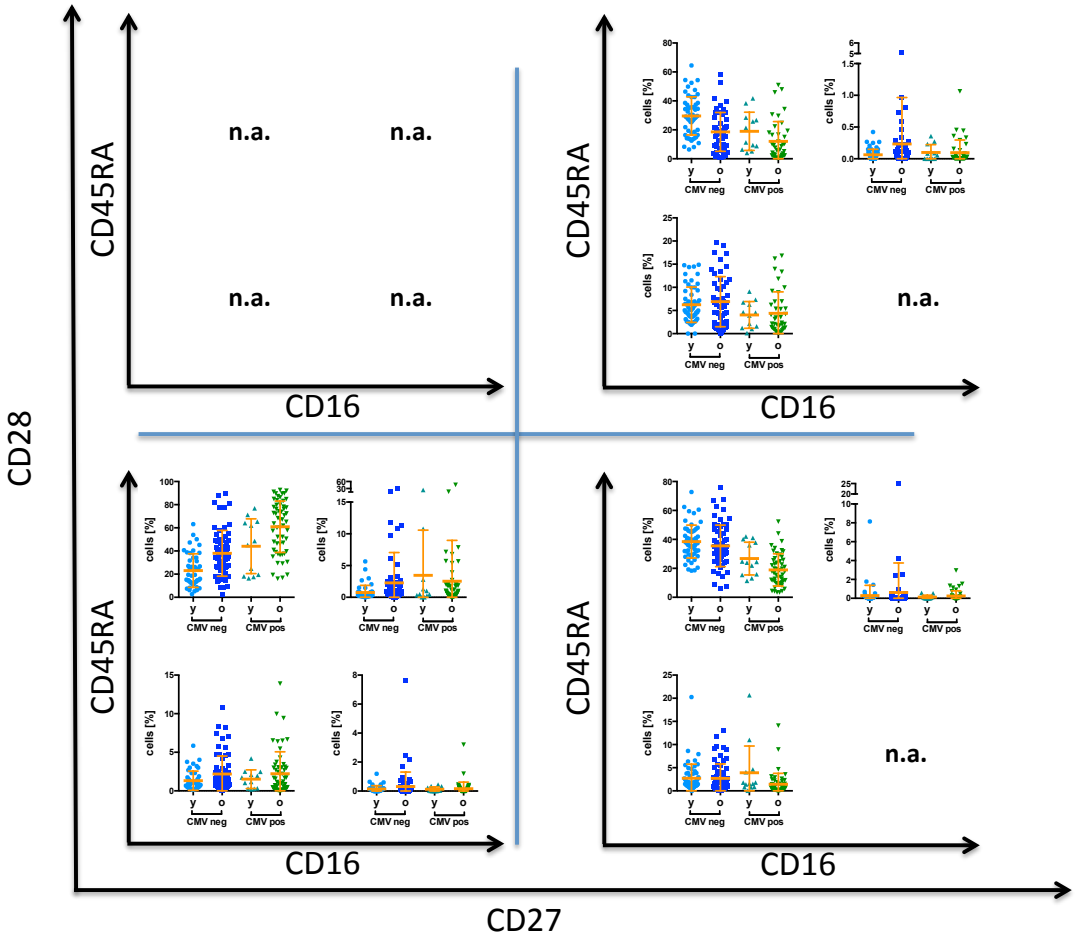


Figure S3: Differentiation phenotypes of the Vδ1+ compartment

The differentiation statuses were identified by CD27, CD28, CD45RA and CD16 in young (y) and old (o) CMV seropositive (CMV pos) and seronegative (CMV neg) individuals.

Figure S4

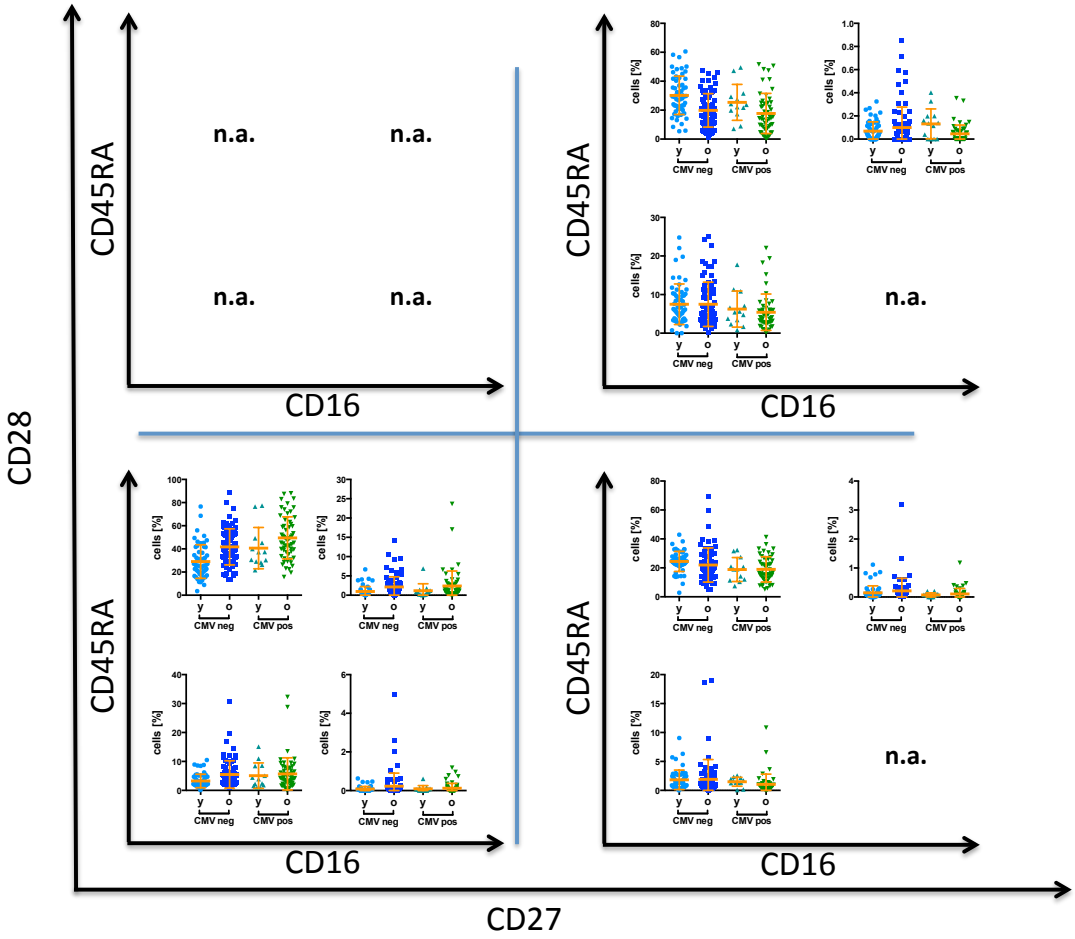


Figure S4: Differentiation phenotypes of the Vδ1-Vδ2- compartment

The differentiation statuses were identified by CD27, CD28, CD45RA and CD16 in young (y) and old (o) CMV seropositive (CMV pos) and seronegative (CMV neg) individuals.

Figure S5

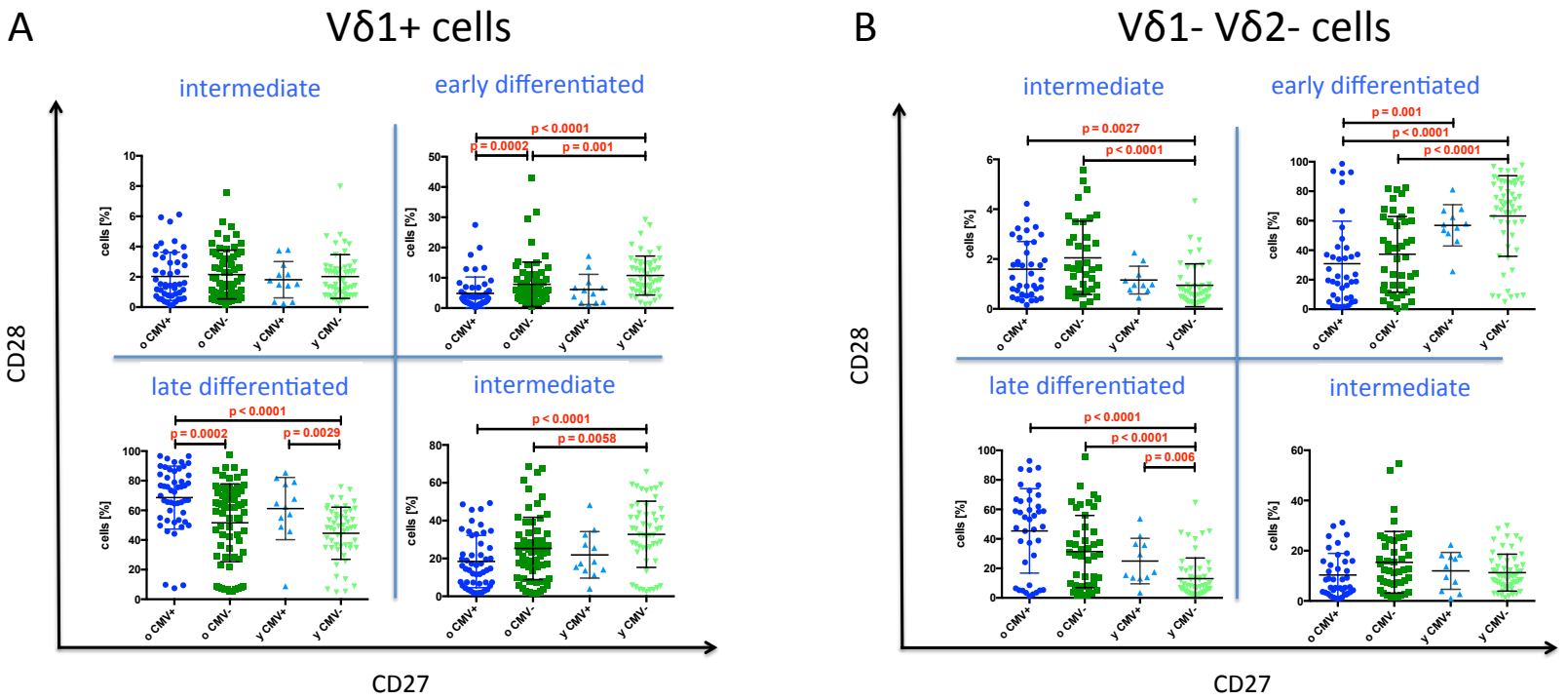


Figure S5: Differentiation phenotypes of the CD8+ γδ T-cells

The differentiation statuses of the **A** Vδ1+ and **B** Vδ1-Vδ2- compartment were identified by CD27 and CD28 in young (y) and old (o) CMV seropositive (CMV+) and seronegative (CMV-) individuals.

Mann Whitney U test was used for the statistical comparison of groups. Bonferroni correction adjusted $p \leq 0.0083$ as the level of significance.

Figure S6

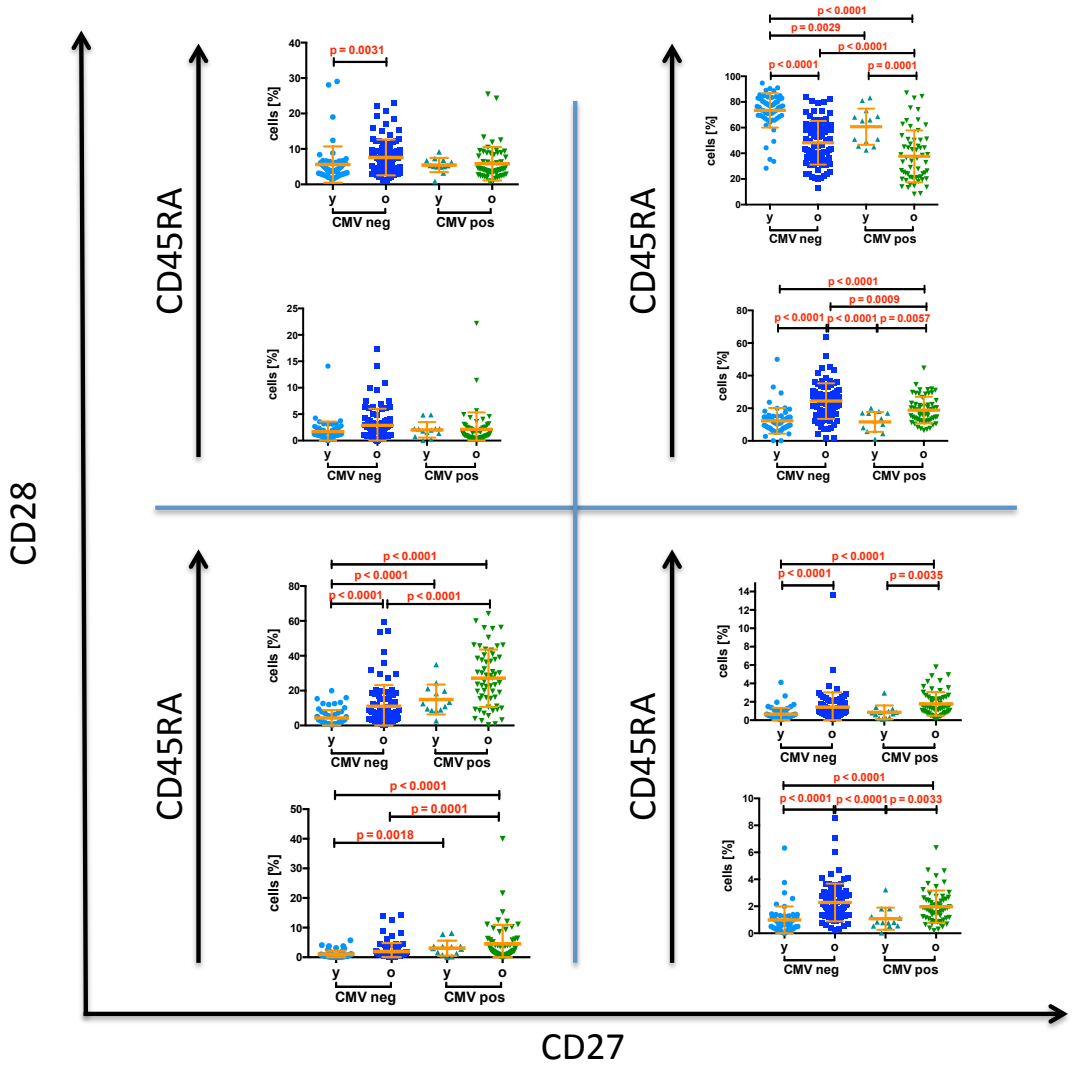


Figure S6: Differentiation phenotypes of the CD8+ αβ T-cells

The differentiation compartments were identified by CD27, CD28, CD45RA and were all CD16 negative in young (y) and old (o) CMV seropositive (CMV pos) and seronegative (CMV neg) individuals.

Mann Whitney U test was used for the statistical comparison of groups.

Bonferroni correction adjusted p≤0.0083 as the level of significance.

Figure S7

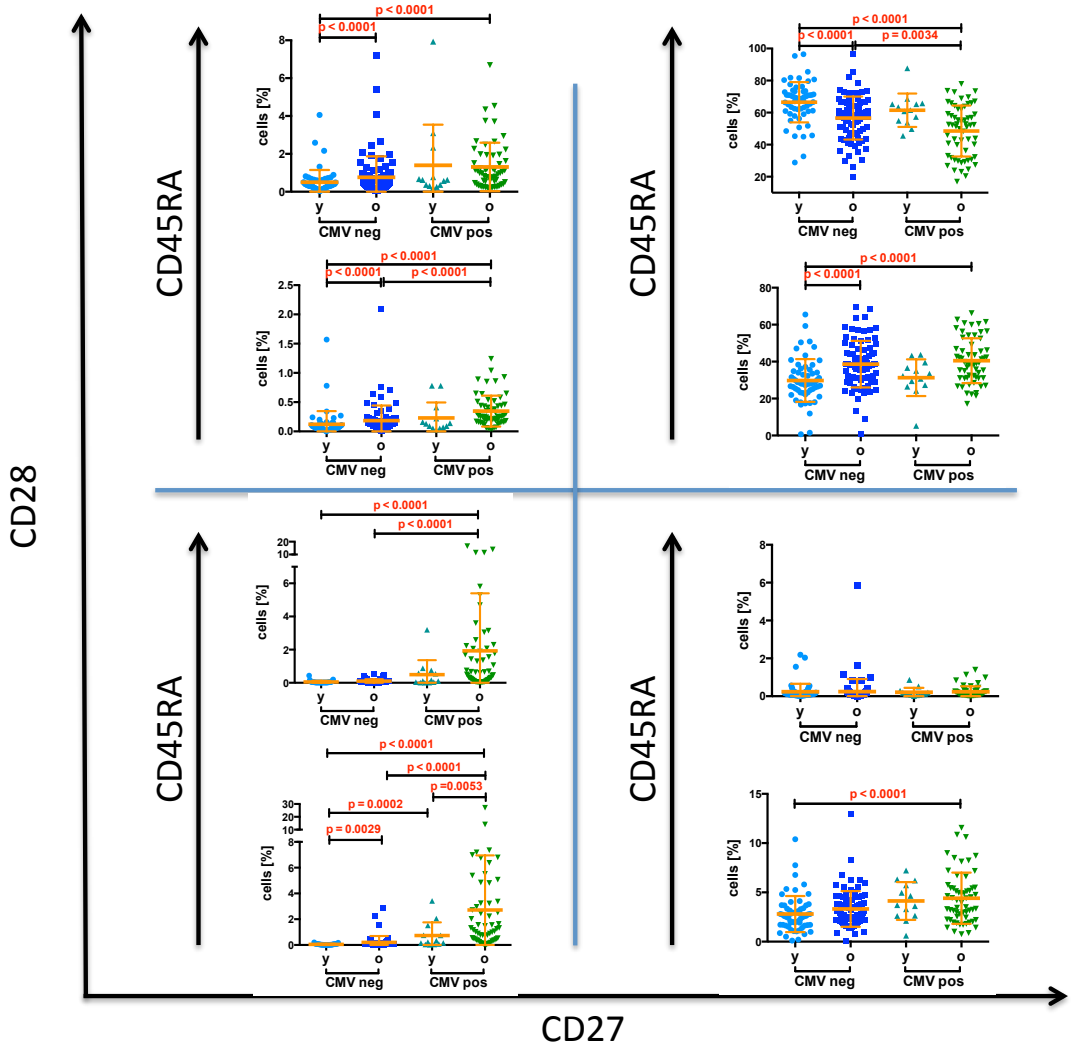
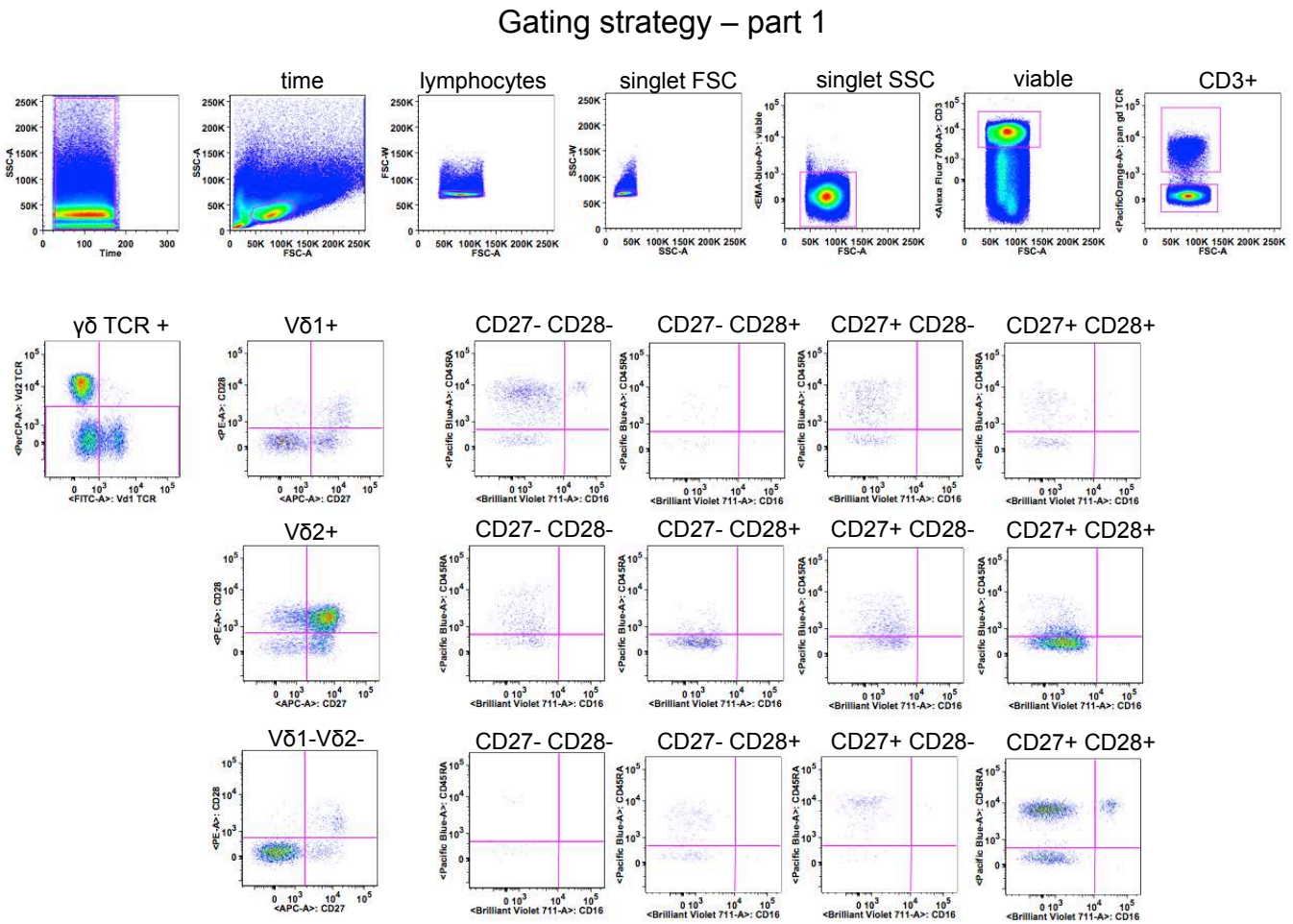


Figure S7: Differentiation phenotypes of the CD4+ αβ T-cells

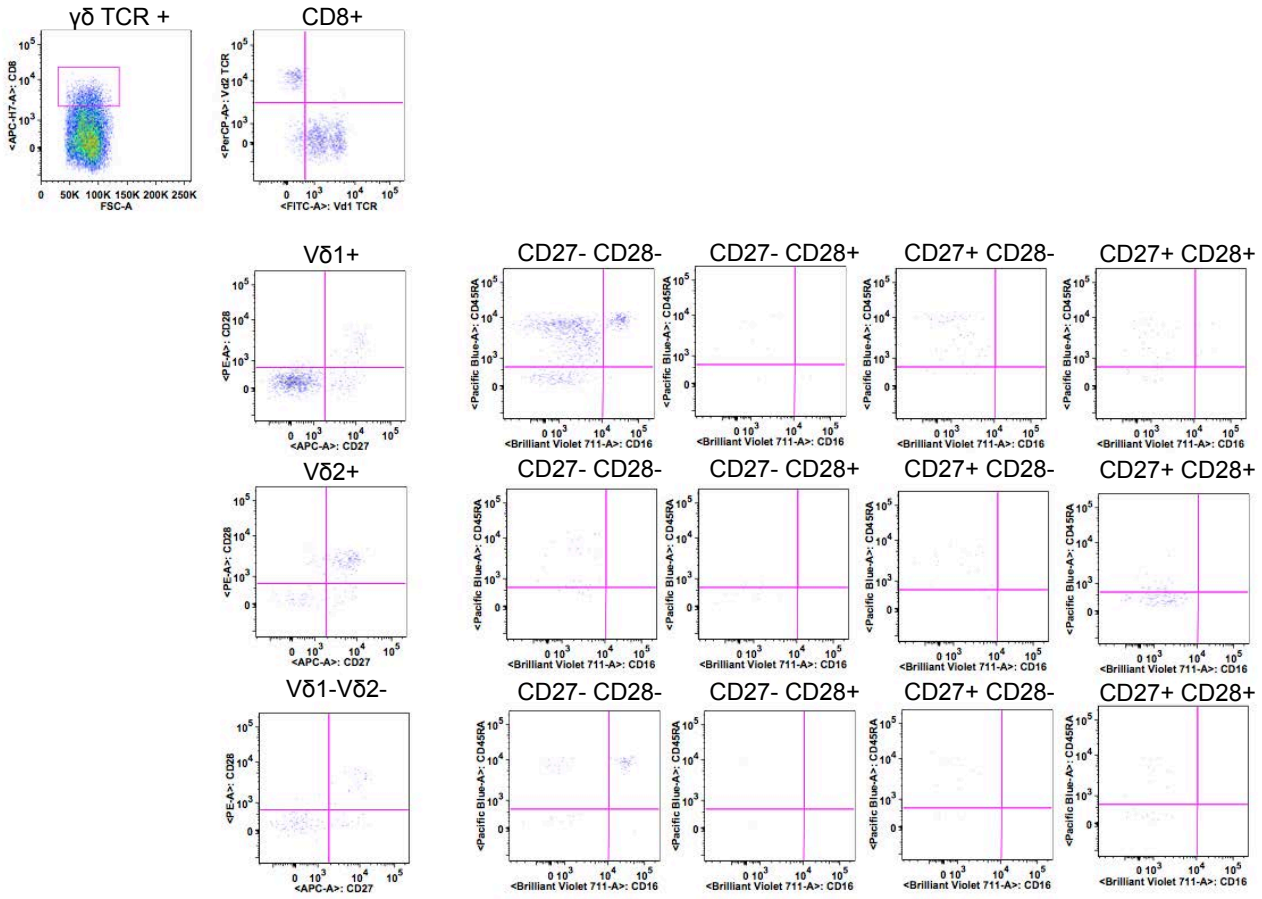
The differentiation compartments were identified by CD27, CD28, CD45RA and were all CD16 negative in young (y) and old (o) CMV seropositive (CMV pos) and seronegative (CMV neg) individuals.

Mann Whitney U test was used for the statistical comparison of groups. Bonferroni correction adjusted p≤0.0083 as the level of significance.

Figure S8: Gating strategy



Gating strategy – part 2



Gating strategy – part 3