

【本件リリース先】
文部科学記者会、科学記者会、
広島大学関係報道機関



NEWS RELEASE

本件の報道解禁につきましては、平成 29
年 6 月 17 日(土)午前 0 時以降にお願いい
たします。

6 15



T TCR T TCR T

1 (TCR) 2 CD8 T
TCR T 3 T

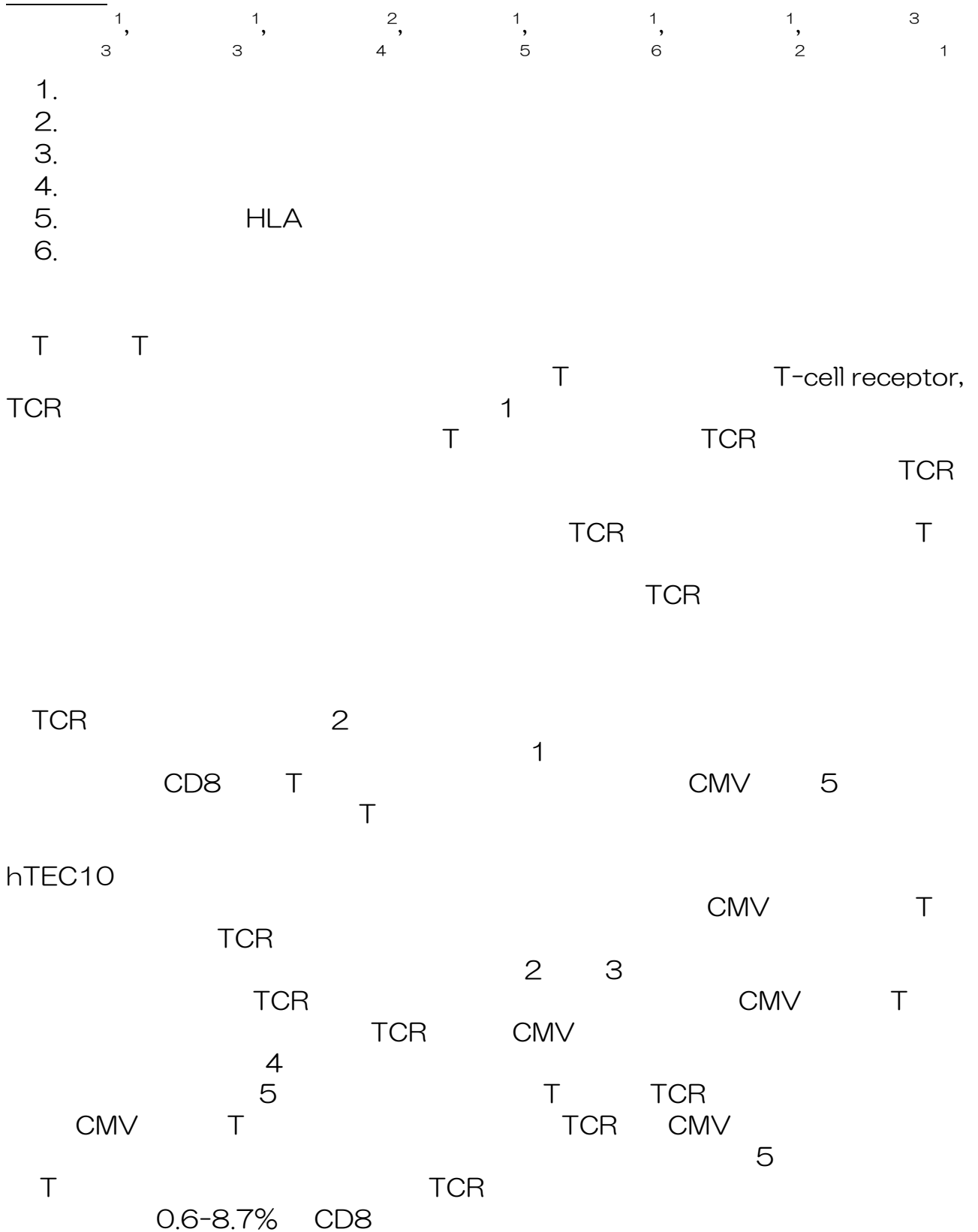
TCR 4 TCR TCR

T

6 16 6 2017 6 16 10
Scientific Reports

Highly Functional T-cell receptor repertoires are abundant in stem memory T cells and highly shared among individuals

DOI DOI: 10.1038/s41598-017-03855-x



TCR

6

TCR

TCR

TCR

7

TCR

T

. T TCR 2

TCR

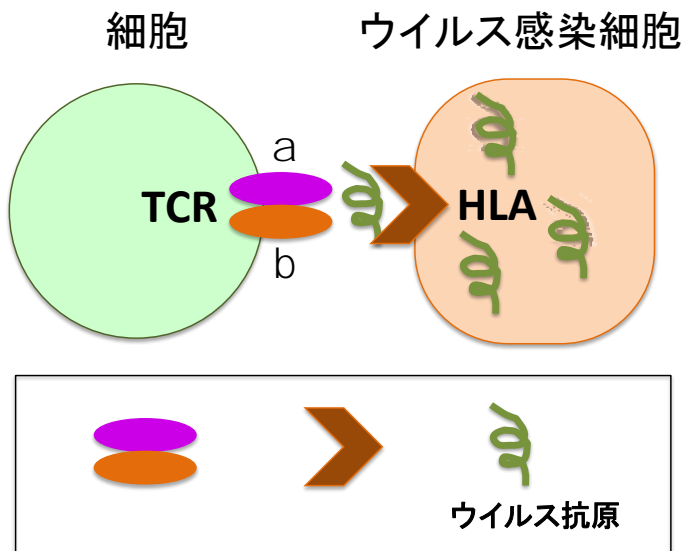
TCR

human leukocyte antigens, HLA

TCR

HLA

HLA

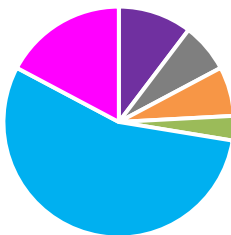
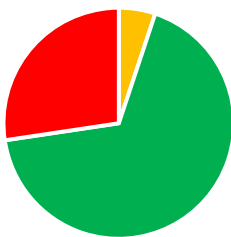


2.

CMV CD8 T TCR

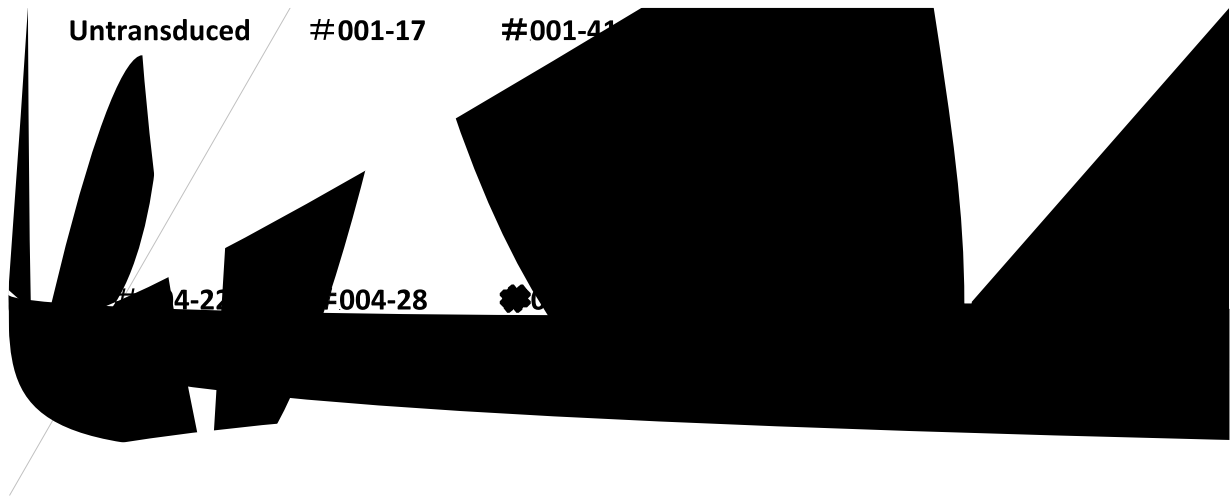
V001 ID #001-41 TCR 67.5%

V004 ID #004-71 TCR 55.2%

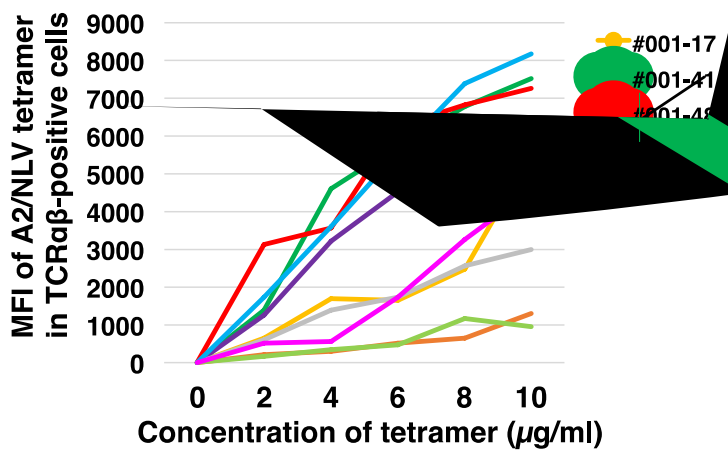


TCR ID	% of clone	TRA			TRB		
		TRAV	TRAJ	CDR3	TRBV	TRBJ	CDR3
#001-17	5.13	5*01	20*01	CAETPTNDYKLSF	6-6*02	1-2*01	CASSSETELLYGYTF
#							

. CMV T 2 TCR
 CMV CMV 5 TCR ID

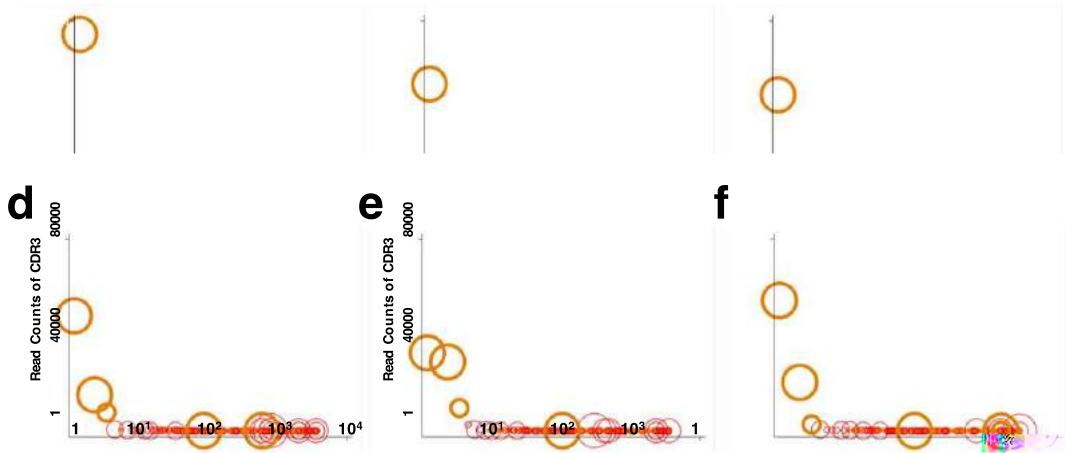


4. CMV TCR CMV 5
 T
 TCR ID V001 V004
 #001-41, #004-71 TCR

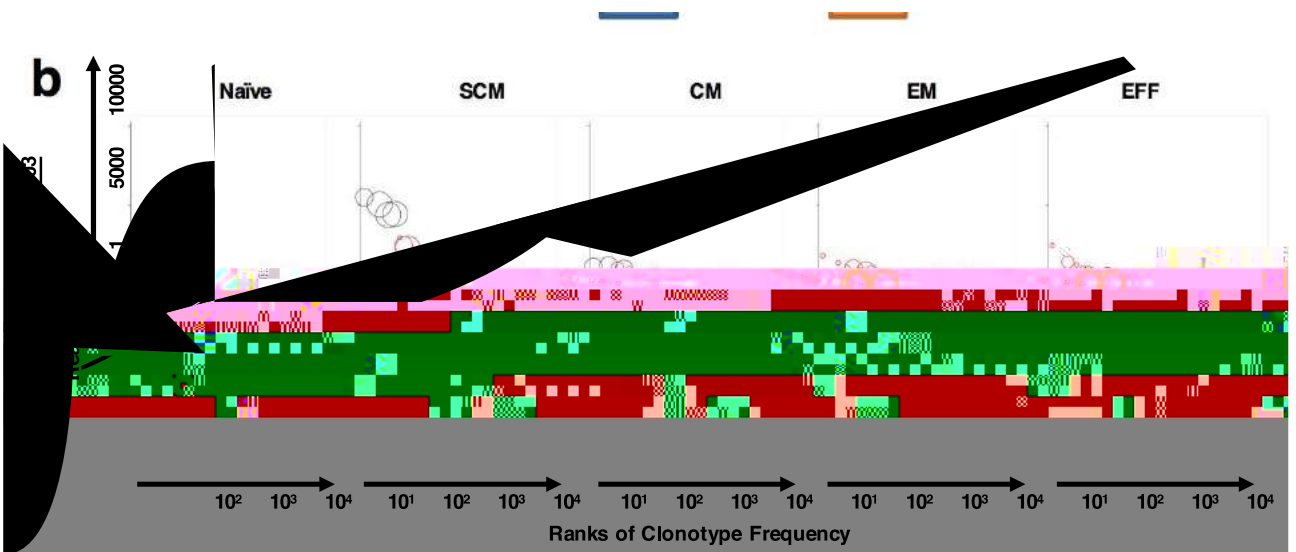


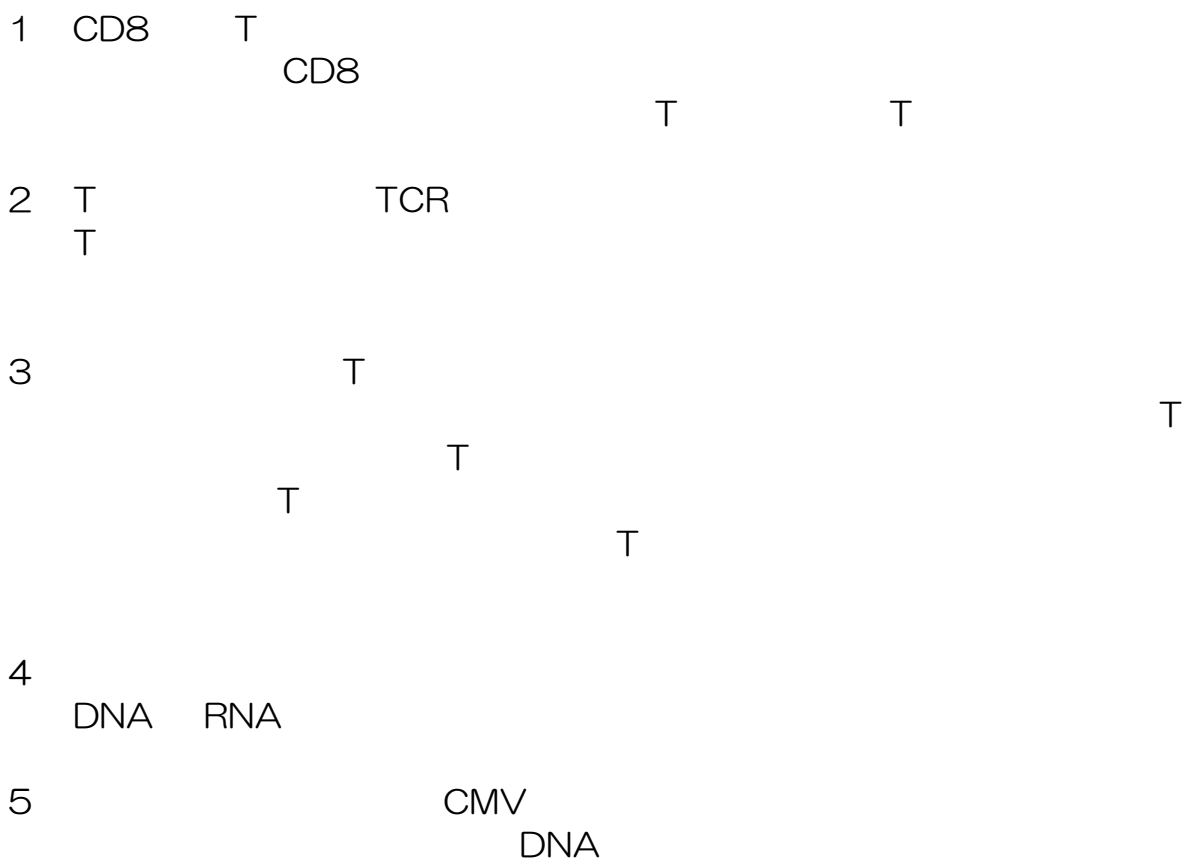
5. V001, V004 CMV TCR TCR
 TCR TCR
 TCR V001, V004 TCR
 TCR 5

1	TRBV28	TRBJ1-1	CASRFQGFTEAFF	0.4	1	5	TRBV5	TRBJ1-2	WASSQQTGTGGYTF	0.5	3	9	TRBV5	TRBJ1-2	CASRQGTGTGGYTF	0.3	2
2	TRBV5	TRBJ1-2	WASSQQTGTGGYTF	0.3	3	6	TRBV5	TRBJ1-2	CASRQGTGTGGYTF	0.5	2	6	TRBV28	TRBJ1-1	CASRFQGFTEAFF	0.3	2
3	TRBV28	TRBJ1-1	WASSFQGFTEAFF	0.3	2	7	TRBV28	TRBJ1-1	CASRQGFTEAFF	0.4	3	7	TRBV5	TRBJ1-2	CASRQGTGTGGYTF	0.3	2
4	TRBV5	TRBJ1-2	CASRQGTGTGGYTF	0.3	2	8	TRBV5	TRBJ1-2	CASRQGTGTGGYTF	0.3	1	8	TRBV5	TRBJ1-2	WASSQQTGTGGYTF	0.3	3
5	TRBV28	TRBJ1-1	CASRFQGFTEAFF	0.2	1	9	TRBV5	TRBJ1-2	CASRQGTGTGGYTF	0.2	3	9	TRBV28	TRBJ1-1	WASSFQGFTEAFF	0.3	2
6	TRBV28	TRBJ1-1	CASRFQGFTEAFF	0.2	2	10	TRBV28	TRBJ1-1	WASSFQGFTEAFF	0.2	2	10	TRBV28	TRBJ1-1	CASRFQGFTEAFF	0.2	1



6. T TCR TCR TCR
 TCR TCR TCR
 TCR TCR TCR
 T T SCM
 Naive, T
 SCM, T ; EFF, T ; CM, T ; EM, T





6 hTEC10
Human T-cell Receptor Efficient Cloning within 10 days T
 1
 (Kobayashi E, et al. Nat Med 2013;19:1542)

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