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Errata

T Cell Receptor Cross-Reactivity between Similar Foreign and Self Peptides Influences Naive Cell Population Size and Autoimmunity

Ryan W. Nelson, Daniel Beisang, Noah J. Tubo, Thamotharampillai Dileepan, Darin L. Wiesner, Kirsten Nielsen, Marcel Wüthrich, Bruce S. Klein, Dmitri I. Kotov, Justin A. Spanier, Brian T. Fife, James J. Moon, and Marc K. Jenkins*

*Correspondence: jenki002@umn.edu

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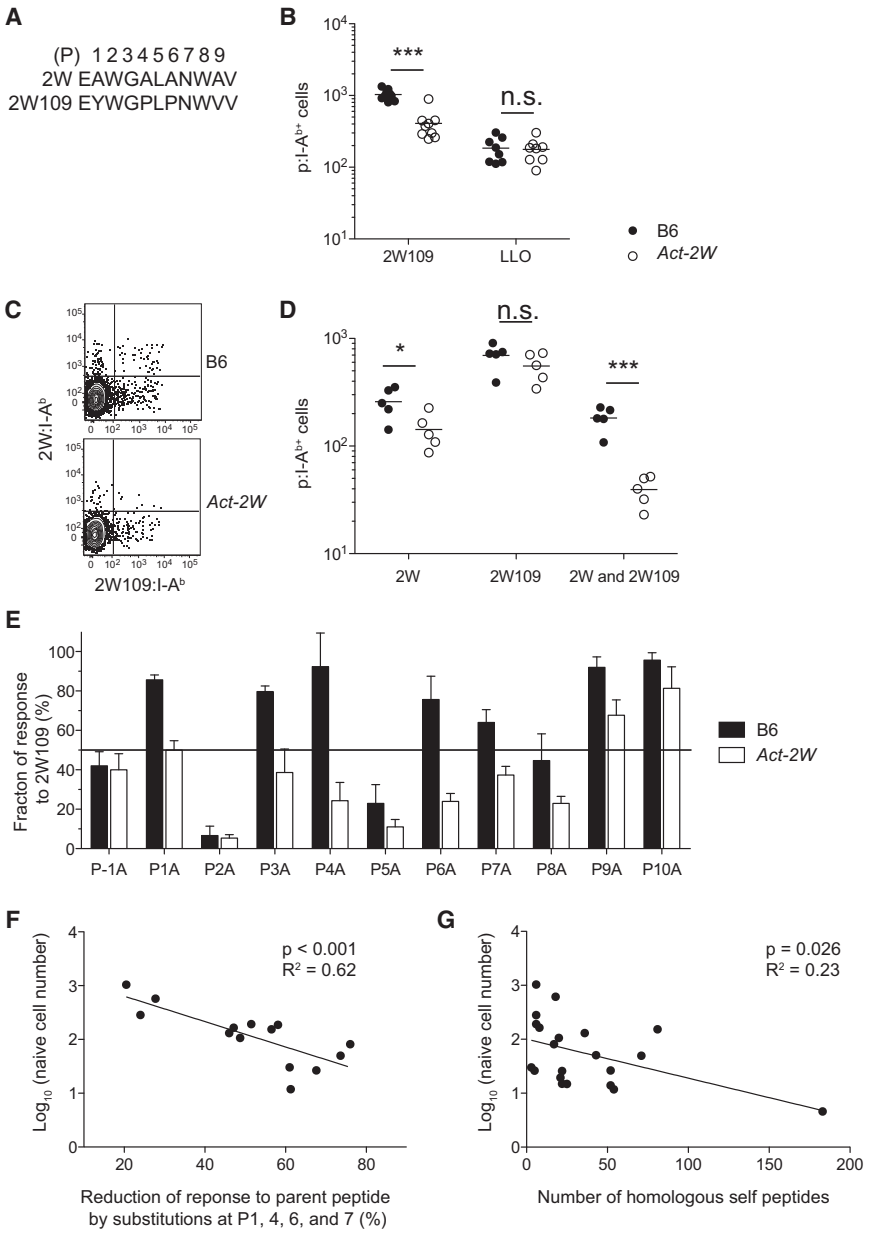
Table 1 of this paper published in the January 2015 issue contains several errors. The Derp1 peptide comes from the Der p1 protein of *Dermatophagoides pteronyssinus* not the Der f1 protein of *Dermatophagoides farinae.* The sequence of the MOG peptide in the I-A^b tetramer used in the study was GWYRSPFSRVV not GWYRSPFSRVVVHLY. The most likely 9 amino acid core register for the OVA2C peptide in the I-A^b tetramer used in the study is VHAAHAEIN not AVHAAHAEI, which is the second most likely. The most likely register has a different number of predicted self peptide homologs than the second most likely one, which changed the x axis value for the OVA2C peptide in Figure 4G. However, neither the level of statistical significance of the correlation between the number of self peptide homologs and the number of naive cells specific for foreign peptides shown in Figure 4G nor the conclusion that "TCR cross-reactivity on self-peptide homologs plays some role in determining the size of MHCII-bound foreign peptide-specific $CD4^+$ T cell populations" were changed. Thus, none of these errors affect any of the conclusions of the paper. The authors deeply regret these errors and apologize for them. Corrected versions of the table and figure appear here.

Table 1. Sequence of Peptides in I-A^b Tetramers

Peptide	Sequence
ESAT6	QQWNFAGIEAAASA
FliC	VQNRFNSAITNLGNT
STM1540-3#	VYYTTYAPQAT
STM1540-1#	YTTYAPQATSA
eGFP	HDFFKSAMPEGYVQE
OVA3C#	GHAAHAEINEA
RplF	FVSPAAHII
OVA2C#	QAVHAAHAEIN
3K	EAQKAKANKAVDKA
Calnexin	LVVKNPAAHHAIS
AasF	VSSPAVQES
1G1W	EAGGALANWAVDSA
LLO#	NEKYAQAYPNVS
Derp1	CQIYPPNVNKI
Cda2	HQYMTALSNEVVF
PmpG-1	YVDPAAAGG
CTB	NNKTPHAIAAIS
GP66	DIYKGVYQFKSV
2W	EAWGALANWAVDSA
CD4Ag28m	VEIHRPVPGTA
2W109#	EYWGPLPNWV
MOG#	GWYRSPFSRVV


A
(P) 1 2 3 4 5 6 7 8 9
2W EAWGALANWAV
2W109 EYWGPLPNWVV
B
p:I-Ab+ cells
***
n.s.
2W109
LLO
B6
Act-2W
C
2W:I-Ab
B6
Act-2W
2W109:I-Ab
D
p:I-Ab+ cells
n.s.
*
***
2W
2W109
2W and 2W109
E
Fracton of response to 2W109 (%)
P-1A
P1A
P2A
P3A
P4A
P5A
P6A
P7A
P8A
P9A
P10A
B6
Act-2W
F
Log10 (naive cell number)
p < 0.001
R2 = 0.62
Reduction of reponse to parent peptide by substitutions at P1, 4, 6, and 7 (%)
G
Log10 (naive cell number)
p = 0.026
R2 = 0.23
Number of homologous self peptides