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# Different competitive capacities of Stat4- and Stat6-deficient CD4 $^{+}$ T cells during Lymphophenia-driven proliferation

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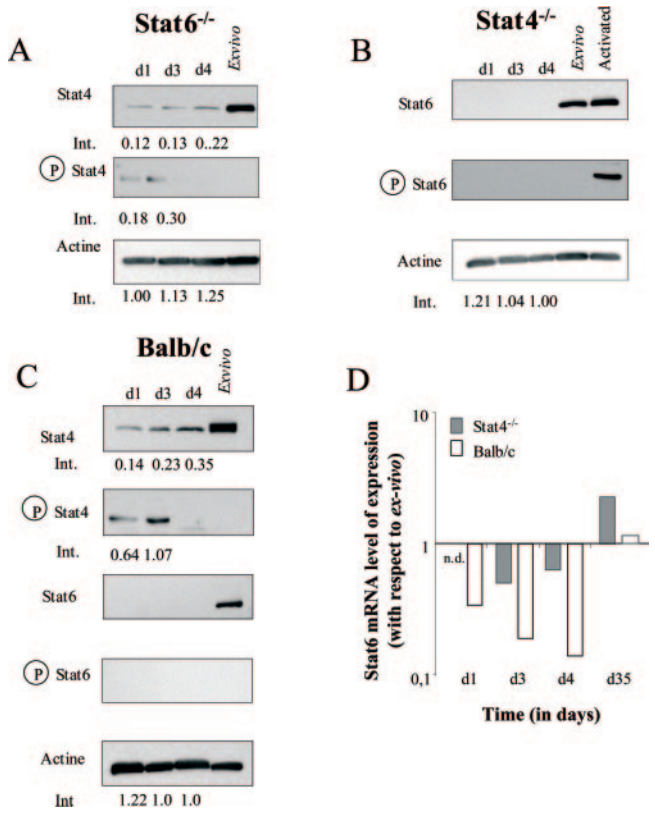
# CORRECTIONS

Sanchez-Guajardo, V., J. A. M. Borghans, M.-E. Marquez, S. Garcia, and A. A. Freitas. 2005. Different competitive capacities of Stat4- and Stat6-deficient $CD4^+$ T cells during Lymphophenia-driven proliferation. *J. Immunol.* 174: 1178–1187.

In Figure 3, the blot representing Stat4 phosphorylation was duplicated by mistake in panels A and C. This correction does not affect the validity of the study or its conclusions. The corrected figure is shown below.

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Liu, R., A. La Cava, X.-F. Bai, Y. Jee, M. Price, D. I. Campagnolo, P. Christadoss, T. L. Vollmer, L. Van Kaer, and F.-D. Shi. 2005. Cooperation of invariant NKT cells and $CD4^+CD25^+$ T regulatory cells in the prevention of autoimmune myasthenia. *J. Immunol.* 175: 7898–7904.

The sixth author, Shamsher S. Saini, was inadvertently omitted from the author line. The corrected author and affiliation lines are shown below.

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0022-1767/06/$02.00

Cudrici, C., F. Niculescu, T. Jensen, E. Zafranskaia, M. Fosbrink, V. Rus, M. L. Shin, and H. Rus. 2006. C5b-9 terminal complex protects oligodendrocytes from apoptotic cell death by inhibiting caspase-8 processing and up-regulating FLIP. *J. Immunol.* 176: 3173–3180.

The third author's last name is misspelled. The correct name is Timothy Jansen.

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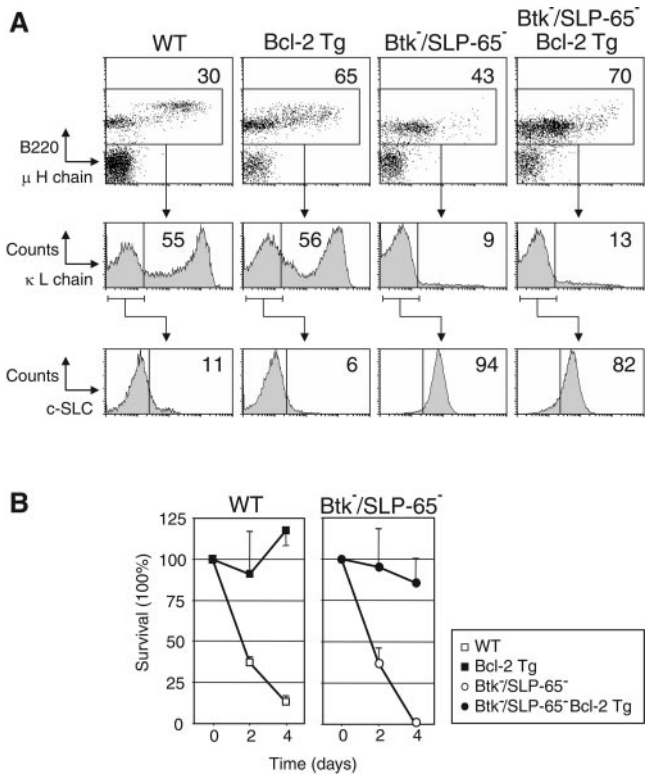
Kersseboom, R., V. B. T. Ta, A. J. E. Zijlstra, S. Middendorp, H. Jumaa, P. F. van Loo, and R. W. Hendriks. 2006. Bruton's tyrosine kinase and SLP-65 regulate pre-B cell differentiation and the induction of Ig light chain gene rearrangement. *J. Immunol.* 176: 4543–4552.

In Figure 4A, the label for the bottom row of histograms was duplicated by mistake in the label of the row above it. The label for the bottom row should read "Counts versus c-SLC" as stated in the figure legend. The corrected figure is shown below.

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Chan, S. L., S. T. Ong, S. Y. Ong, F. T. Chew, and Y. K. Mok. 2006. Nuclear magnetic resonance structure-based epitope mapping and modulation of dust mite group 13 allergen as a hypoallergen. *J. Immunol.* 176: 4852–4860.

In Table II, the epitope residues cited for Equ c 1 are incorrect. The corrected table is shown below.

Table II. *Analysis of charged amino acids compositions of major allergens and their human homologs*[a]

| | Lys | Arg | Basic (%) | Asp | Glu | Acidic (%) | Epitope Residues |
|---|---|---|---|---|---|---|---|
| ***Der f 13*** | ***18*** | ***6*** | ***18.3*** | ***9*** | ***15*** | ***18.3*** | ***E41,K63,K91,K103*** |
| FABP1 | 15 | 2 | 13.3 | 4 | 13 | 13.3 | |
| FABP2 | 14 | 7 | 15.9 | 8 | 13 | 15.9 | |
| FABP3 | 14 | 4 | 13.5 | 11 | 8 | 14.2 | |
| FABP4 | 14 | 6 | 15.1 | 11 | 9 | 15.1 | |
| FABP5 | 14 | 6 | 14.8 | 8 | 12 | 14.8 | |
| FABP6 | 12 | 2 | 10.9 | 5 | 11 | 12.5 | |
| FABP7 | 12 | 5 | 12.8 | 10 | 10 | 15.1 | |
| FABP8 | 18 | 7 | 18.9 | 5 | 9 | 10.6 | |
| ***Der p 2*** (Ref. 32) | ***14*** | ***2*** | ***12.4*** | ***9*** | ***7*** | ***12.4*** | ***H30,R31,K33,S57,K96,I97,E102*** |
| NPC2 | 12 | 1 | 8.6 | 6 | 6 | 8.0 | |
| ***Equ c 1*** (Ref. 31) | ***11*** | ***9*** | ***12.5*** | ***13*** | ***18*** | ***19.4*** | |
| Lipocalin 9 | 7 | 10 | 9.6 | 8 | 13 | 11.9 | |
| ***Bet v 1*** (Refs. 10, 33) | ***15*** | ***3*** | ***11.3*** | ***9*** | ***14*** | ***14.4*** | ***E42,N43,I44,E45,G46,N47,G48,G49,P50,G51*** |
| ***Hev b6.02*** (Ref. 30) | ***2*** | ***1*** | ***6.9*** | ***3*** | ***2*** | ***11.6*** | ***R5,K10,E29,Y30,Q38*** |

[a] The contents of positively and negatively charged amino acid residues in selected major allergens are compared with their human homologs. The allergenic proteins are italic and boldfaced. Der f 13 is compared with human FABPs (see Fig. 2 for abbreviations), whereas Der p 2 and Equ c 1 are compared with the homologous human NPC2 and lipocalin 9, respectively. All of the allergens listed are found to have a higher overall percentage of charged residues compared to their homologous human proteins. The residues identified as IgE binding epitopes in these allergens are listed and found to be mostly charged and polar residues.

In **Discussion**, in the last sentence of the fifth paragraph, inclusion of Equ c 1 and the respective citation (Ref. 31) are incorrect. The second sentence of the sixth paragraph has also been revised. The corrected sentences are shown below.

In addition to the group 13 dust mite allergen, other studies have also used a similar approach to generate hypoallergens by mutating specific surface residues on allergens, including Bet v 1 (10) and Hev b 6.02 (30).

In Equ c 1, regions of the protein mapped as IgE binding epitopes consist mostly of charged and polar residues.