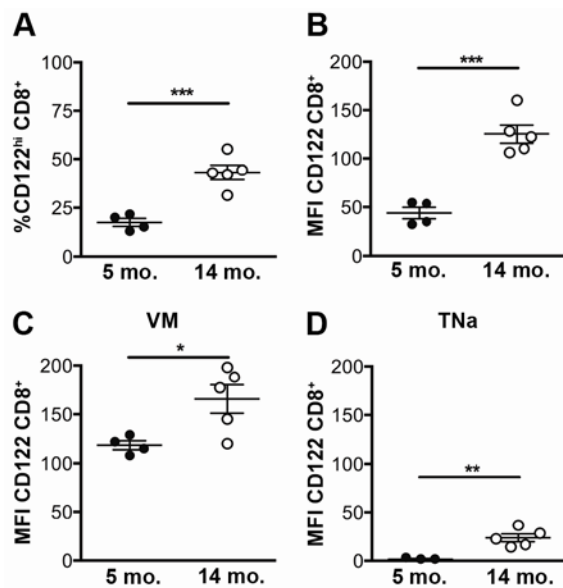


SUPPLEMENTAL INFORMATION:

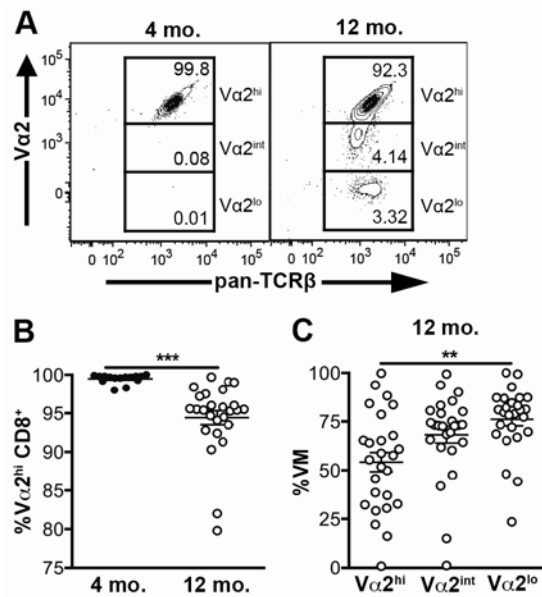
Supplemental Figure 1: Old OT-I VM CD8⁺ T cells express high levels of homeostatic cytokine receptors.

(A) Splenic CD3⁺ CD8⁺ T cells are increasingly CD122^{hi} with (B) upregulated CD122 expression (MFI) in unimmunized OT-I Rag⁺ mice as they age. (C) VM and (D) TNa cells from 12 mo OT-I Rag⁺ mice express increased CD122 (geometric MFI) compared cells from 5 mo OT-I Rag⁺ mice. *p<0.05, **p<0.01, ***p<0.001 by Student's t test. Data shows mean ± SEM; n=4-5, representative of at least two experiments.



Supplemental Figure 2: OT-I Rag+ mice accumulate non-transgenic TCRV α with age.

(A) Representative flow cytometry analysis of V α 2 staining of blood CD3⁺ CD8⁺ T cells in 4 and 12 mo unimmunized OT-I Rag⁺ mice, with % shown in respective gates. (B) The % of V α 2^{hi} CD8⁺ T cells, as gated in (A). (C) %VM cells in each V α 2^{hi/int/lo} population from 12 mo mice. (B) ***p<0.001 by Student's t test and (C) **p<0.01 by 1-way ANOVA and Bonferonni post-test. (B-C) Bars denote mean \pm SEM (n=15 and 26 for 4 and 12 mo, respectively), representative of two experiments.



Supplemental Figure 3 : Exhaustion markers in OT-I Rag+ and WT

Precursors. The frequency of (A) PD-1⁺ and (B) LAG-3⁺ splenic CD3⁺ CD8⁺ CD4⁻ T cells in unimmunized 5 and 14 mo OT-I Rag+ mice and (C) frequency of PD-1⁺ of pooled OVA, B8R, and NS4B-specific CD8⁺ T cells from naïve adult and old C57Bl/6 mice *p<0.05, ***p<0.001 by Student t test. Data shows mean ± SEM; n=2-6 for each group, representative of 2 experiments.

