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Supplemental Information

The Effect of CpG Sequences on Capsid-Specific CD8$^+$ T Cell Responses to AAV Vector Gene Transfer

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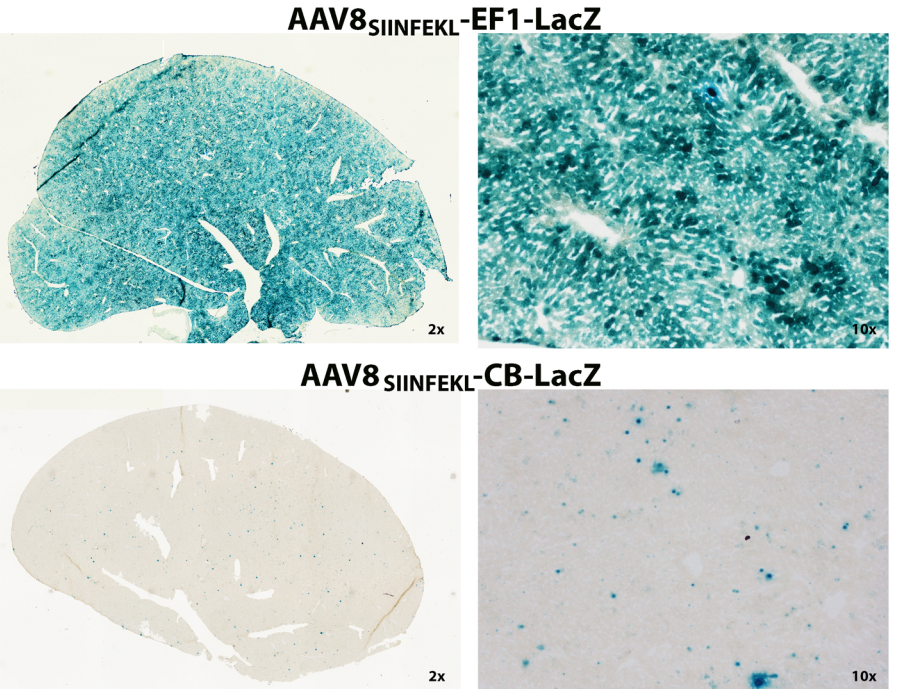

Figure S1. Transgene product expression in mouse livers. Male C57Bl/6 mice were injected i.v. with 1 x 10^{11} vg of $AAV8_{SIINFEKL}$-EF1LacZ or $AAV8_{SIINFEKL}$-CBLacZ vector. Mice were euthanized 14 days later, and liver sections were prepared and stained for ß-Gal expression. The upper panels show the stained liver of a mouse injected with $AAV8_{SIINFEKL}$-EF1LacZ at magnifications of 2x (left) and 10X (right). The lower panels show the liver sections from a mouse injected with the $AAV8_{SIINFEKL}$-CB-LacZ vector at the same magnifications.

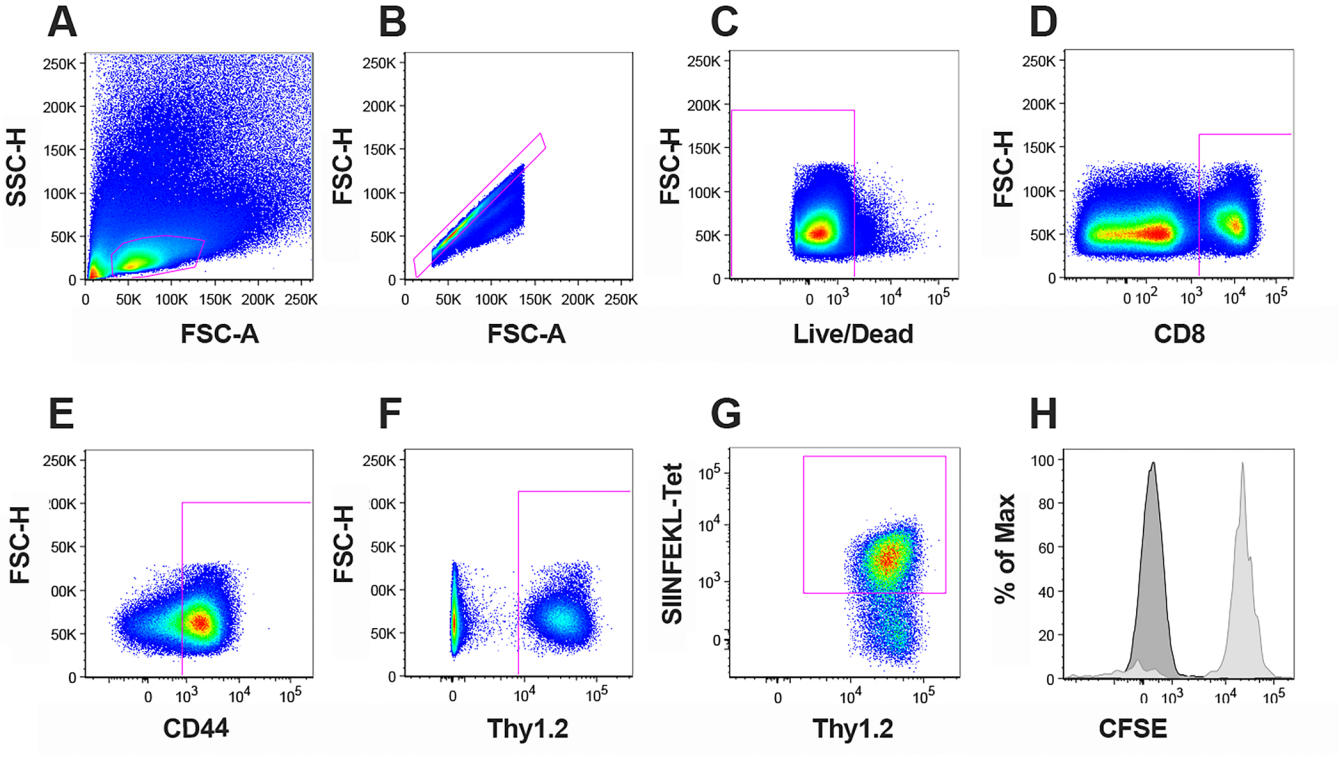

Figure S2. Gating Strategy. The blots show a liver sample from a mouse transferred with splenocytes from congenic AdC7-NP-Ova-GFP-immune donors. (A) Cells were gated onto lymphoid cells. (B) Cells were gated onto single cells using forward scatter height (FSC-H) over forward scatter area (FSC-A). (C) Single cells were gated onto live cells using a dead cell stain over FSC-H. (D) Cells were gated onto cells expressing CD8 (E) which were then gated onto $CD44^+$ cells and (F) then $Thy1.2^+$ cells. All three gates were set against FSC-H (G). $Thy1.2^+$ cells were blotted against the SIINFEKL tetramer. (H) Live SIINFEKL $tetramer^+Thy1.2^+CD44^+CD8^+$ lymphoid cells were then blotted against events (% of Max) over CFSE to determine cell proliferation identified by CFSE loss.