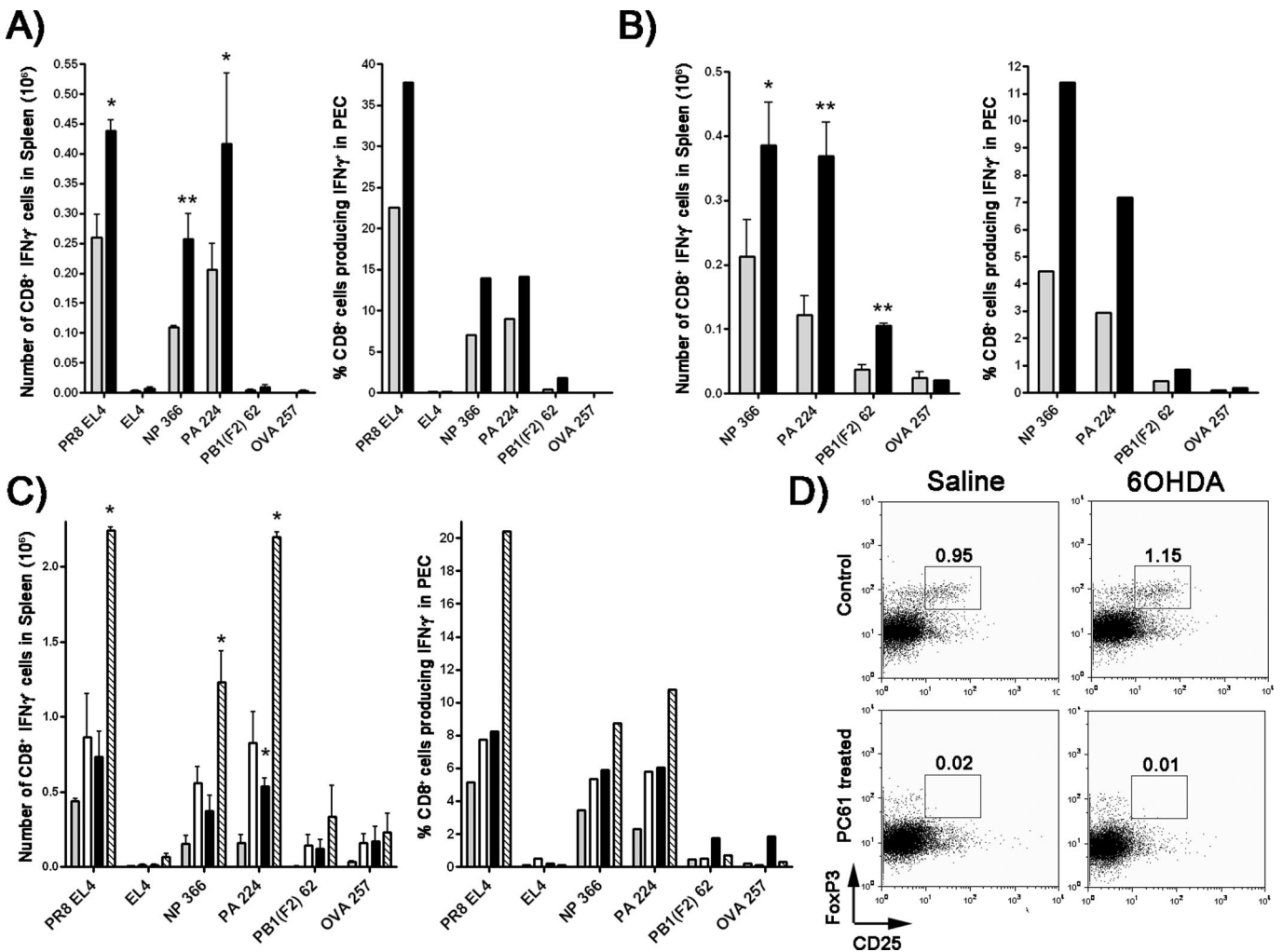
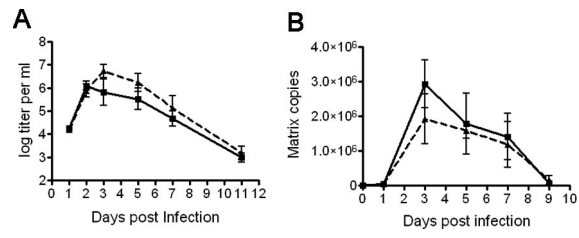


# Supporting Information

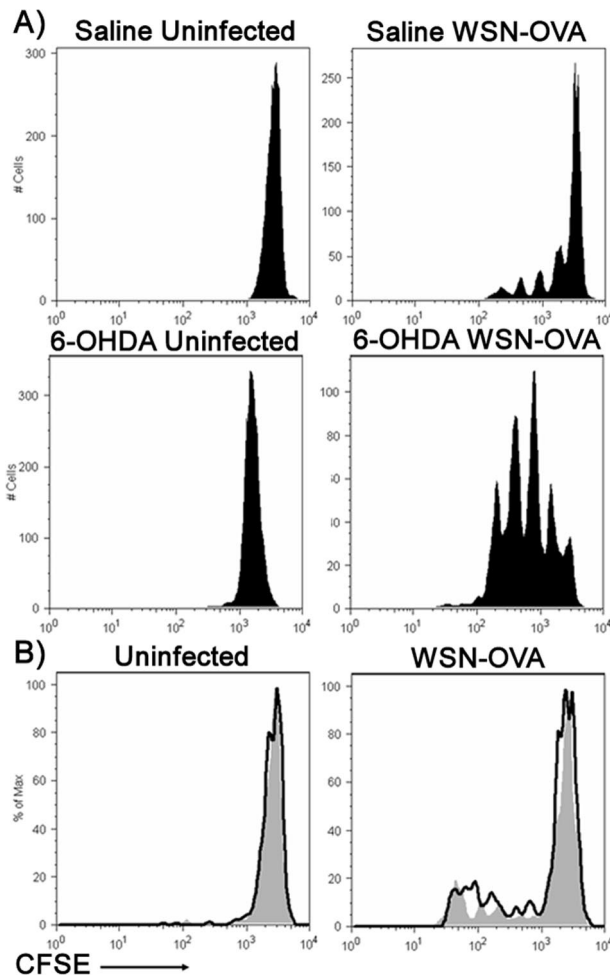
Grebe et al. 10.1073/pnas.0808851106



**Fig. S1.** 6-OHDA-mediated enhancement of CD8<sup>+</sup> T cell responses does not require CD4<sup>+</sup> or CD4<sup>+</sup>CD25<sup>+</sup> cells. Mice were infected with PR8 i.p., and the anti-IAV CD8<sup>+</sup> T cell response was measured in the spleen and PEC 7 days after infection. Spleens were analyzed individually from 3 mice per group. \*,  $P < 0.05$ ; \*\*,  $P < 0.005$ . PEC samples were pooled from 3 mice per group for analysis. (A) CD8<sup>+</sup> T cell response of 6-OHDA (black bars) or saline-treated (gray bars) mice, which were depleted of CD4 T cells by treatment with GK1.5. (B) CD8<sup>+</sup> T cell response of CD4<sup>-/-</sup> mice that were treated with 6-OHDA (black bars) or saline (gray bars). (C) CD8<sup>+</sup> T cell response of mice that were treated with saline (gray bars), saline and PC61 (white bars), 6-OHDA (black bars), and 6-OHDA and PC61 (hatched bars). Statistical analysis was performed comparing 6-OHDA-treated and untreated mice for each group. \*, Where the 6-OHDA samples were statistically different from the control samples. (D) FoxP3 and CD25 expression of spleen cells from saline or 6-OHDA-treated mice with and without PC61 treatment.



**Fig. S2.** 6-OHDA does not enhance IAV viral replication or clearance. Solid black lines represent control mice, and dashed black lines represent 6-OHDA-treated mice. Viral titers were measured by TCID<sub>50</sub> (A) and by RT-PCR for matrix expression (B) following infection with 1 LD<sub>50</sub> PR8 i.n. Error bars represent the standard deviation between the 3 mice analyzed per point per group.



**Fig. S3.** 6-OHDA treatment of host but not donor cells increases OT-I proliferation. (A). Purified CFSE-labeled OT-I T cells were adoptively transferred into 6-OHDA-treated or saline-treated mice. Mice were subsequently infected with WSN-OVA i.p., and OT-I division was observed. Each transfer was repeated independently 3 times with 3 mice per group. (B) T cells were purified from 6-OHDA-treated (CD45.1; black line) and saline-treated (CD45.2; gray filled) OT-I mice. T cells were mixed together in a 1:1 ratio, labeled with CFSE, and adoptively transferred into wild-type hosts and infected with WSN-OVA i.p. The transfer was repeated independently 2 times with 2–3 mice per group.

