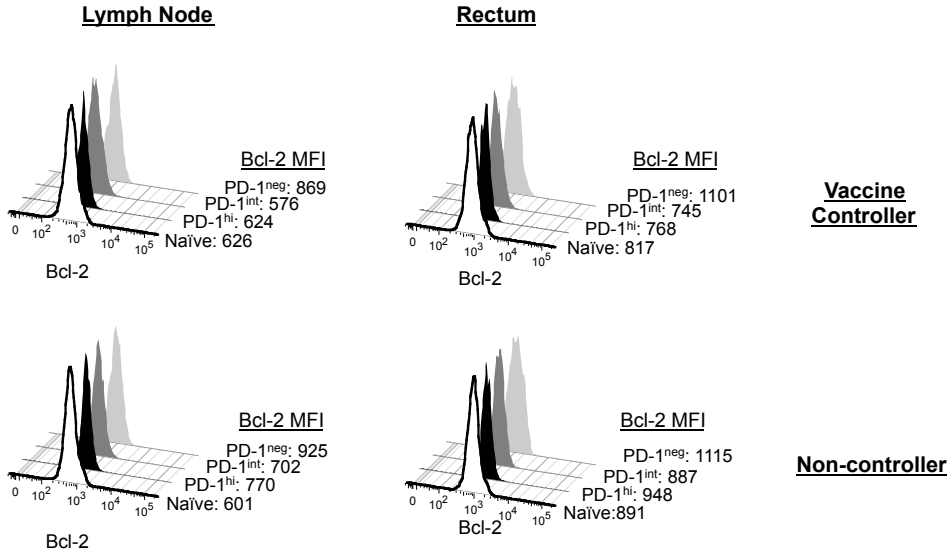


Supplemental Figure 1. (A) Kinetics of plasma viral load in the two cohorts of SIV infected vaccine controller (n=19) and non-controller (n=18) RM. (B) Percent of CD4 T cells as a % of total lymphocytes in the blood, LN and rectum of SIV naïve, SIV vaccine controller, and SIV non-controller RM. (C) Percentage of PD-1^{hi}, PD-1^{int}, and PD-1^{neg} CD4 T cells as a percent of lymphocytes in the blood, LN, and rectum of SIV naïve, SIV vaccine controller, and non-controller RM. Scatter Plots show median. *, P < 0.05; **, P < 0.01; ***, P < 0.001; ****, P < 0.0001.



Supplemental Fig. 2

Supplemental Figure 2.

Histogram plot showing the expression of Bcl-2 on naïve (CD95-), and memory (CD95+) PD-1^{neg}, PD-1^{int}, and PD-1^{hi} CD4 T cells in the LN and rectum of an SIV+ vaccine-controller and non-controller RM.

Supplemental Table 1. Cohort of SIV infected rhesus macaques used for sample collection

| Animal Name | Vaccination status | Set-Point Viral Load* |
|------------------------|--------------------|-----------------------|
| Controllers | | |
| RKc12 | DM | 579 |
| RAq12 | DM | 1,200 |
| RNh13 | DM | 280 |
| RJp12 | DMCD40L | < 80 |
| RHb12 | DMCD40L | 225 |
| RKz12 | DMCD40L | 311 |
| RJb12 | DMCD40L | 1,480 |
| RWc13 | DMCD40L | 1,770 |
| RHu12 | DMCD40L | 4,540 |
| RAs12 | DMRapa | < 80 |
| RJo12 | DMRapa | < 80 |
| RFI12 | DMRapa | < 80 |
| REd13 | DMRapa | 168 |
| REq12 | DMRapa | 173 |
| RIu12 | DMRapa | 1,460 |
| RI12 | DMRapa | 1,870 |
| RMz11 | DMRapa | 3,050 |
| RUp12 | DMRapa | 3,980 |
| RFf12 | DMRapa | 4,520 |
| Non-Controllers | | |
| RDg12 | DMCD40L | 237,000 |
| RR112 | DMRapa | 10,000 |
| RCv12 | DMRapa | 13,800 |
| RJz12 | DMRapa | 20,400 |
| RPn12 | DMRapa | 30,100 |
| RNv12 | DMRapa | 39,000 |
| RHy11 | DMRapa | 77,500 |
| RTt12 | DMRapa | 91,600 |
| RMn13 | DMRapa | 103,000 |
| RBs12 | DMRapa | 179,000 |
| RKt12 | Unvaccinated | 700,000 |
| RMr13 | Unvaccinated | 27,700 |
| RRc13 | Unvaccinated | 34,200 |
| RDn13 | Unvaccinated | 115,000 |
| REn13 | Unvaccinated | 186,000 |
| RKi13 | Unvaccinated | 704,000 |
| RUf13 | Unvaccinated | 759,000 |
| RZn13 | Unvaccinated | 921,000 |

DM, DNA/MVA SIV vaccine; DMCD40L, CD40 ligand adjuvanted DNA/MVA vaccine; DMrapa, DNA/MVA vaccine with rapamycin treatment; * RNA copies/mL of plasma at week 24 post SIV infection.