**Supplementary Figure Legends:**

**Supplementary Figure 1:** T-cell immunological response to PSA over time: Panel A: IFNγ ELISPOT data, similar to that as shown in Figure 3, were plotted over time, subtracting the pre-treatment value, to evaluate the magnitude and durability of immunity over time. Panel B: Immune response over time was plotted as “area under the curve,” and evaluated with respect to treatment arm. Lines show median and interquartile range.

**Supplementary Figure 2:** T-cell immunological response to tetanus toxoid over time: Panel A: IFNγ ELISPOT data, similar to that as shown in Figure 3, were plotted over time, subtracting the pre-treatment value, to evaluate the magnitude and durability of immunity over time. Panel B: Immune response over time was plotted as “area under the curve,” and evaluated with respect to treatment arm. Lines show median and interquartile range.

**Supplementary Figure 3:** IgG immunological response: IgG responses to AR LBD protein (panel A), PSA protein (panel B), and tetanus toxoid (panel C) were evaluated by Luminex. Sera samples were assessed at a 1:100 dilution from the time points indicated. Data were plotted over time, subtracting the pre-treatment value to evaluate change in post-treatment specimens.