**Supplementary Figure1**



Serum IgG

Ag-Specific IFN-γ Production



**A**

**B**

**Supplementary Figure 1. CopB-, CopD-, and CT584-specific cell-mediated and humoral responses following intranasal vaccination with BD584. A.** Mice (n=5) were intranasally vaccinated with BD584/CpG. Seven days later, animals were euthanized, and splenocytes were harvested and stimulated with different antigens for 96 hours. IFN-γ in culture supernatants were quantified by ELISA. The relative IFN-gamma concentration units refer to IFN-gamma level of the three components (CopB, CopD and CT584) relative to the levels induced by BD584 as explained in the Results section on ln 237. **B.** Mice (n = 10) were intranasally vaccinated three times, three weeks apart, with either BD584/CpG or PBS. Two weeks after the final vaccination, blood was collected and antigen-specific antibody titers were determined using ELISA. The relative antibody titers refer to the relative antibody titers elicited against the three different antigens (CopB, CopD, BD584) between the three different stains of mice.