

1 **Supplemental Figure 1. SDS-PAGE and Western blot analysis of recombinant BLS-**
2 **Stx2B.**

3 Expressed and purified BLS-Stx2B was separated by 15% SDS-PAGE and stained with
4 Coomassie Blue (A and B), or revealed with specific antibodies (C).

5 (A) Lane 1: Total proteins from un-induced pET-BLS-Stx2B transformed *E. coli* BL21
6 (DE3); Lane 2: insoluble pellets of induced pET-BLS-Stx2B transformed *E. coli* BL21
7 (DE3); Lane 3: soluble fraction of induced pET-BLS-Stx2B transformed *E. coli* BL21
8 (DE3);

9 (B) Lane 1: purified Stx2B; Lane 2: purified BLS; Lane3: purified BLS-Stx2B.

10 (C) Western blot analysis of purified BLS-Stx2B. SDS-PAGE was probed with polyclonal
11 anti-Stx2 mouse IgG (Lanes 1 and 2), or polyclonal anti-BLS mouse IgG (Lanes 3 and 4)
12 and revealed with peroxidase-conjugated rabbit anti-mouse IgG. Lane 1: purified Stx2B;
13 Lane 2: purified BLS-Stx2B; Lane 3: Purified BLS; Lane 4: purified BLS-Stx2B.

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15 **Supplemental Figure 2. Subtypes of Stx2B-specific IgG.**

16 Sera from mice immunized with different formulations of BLS-Stx2B were assayed by
17 ELISA as detailed in Materials and Methods. Each bar represents the mean \pm SEM of 4-6
18 by group; *** $P < 0.001$ vs IgG2a in each group.



