Supplementary Information

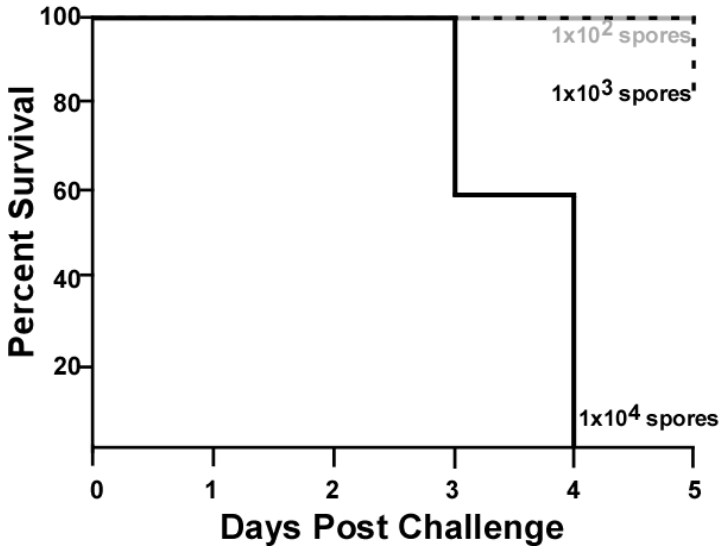
Supplementary Table 1: Data collection and refinement statistics for crystallography

Data collection	
Wavelength (Å)	1.00
Resolution range (Å)	89.14-3.15 (3.37 – 3.15)
Space group	P 6_4 2 2
Unit cell (Å)	84.85 x 84.85 x 178.27
Unit cell (º)	90 × 90 × 120
Unique reflections (Total)	7129 (91460)
Multiplicity	12.8 (13.1)
Completeness (%)	100.00 (100.00)
Mean I/sigma (I/σ)	12.9 (2.1)
R_{sym} [#]	0.052 (0.712)
Refinement	
R_{work} [++]	0.2755 (0.3508)
R_{free}	0.3260 (0.3619)
No. of atoms	1874
No. of hemes	2
No. of waters	0
No. of protein residues	215
R.m.s.d., bonds (Å)	0.004
R.m.s.d., angles (º)	0.98
Ramachandran favored (%)	96
Ramachandran outliers (%)	0
B-factor (Å^2)	
Average	111.6
Macromolecules	112.1
Ligands	100.7
PDB code	4YMP

Statistics for the highest-resolution shell are shown in parentheses.

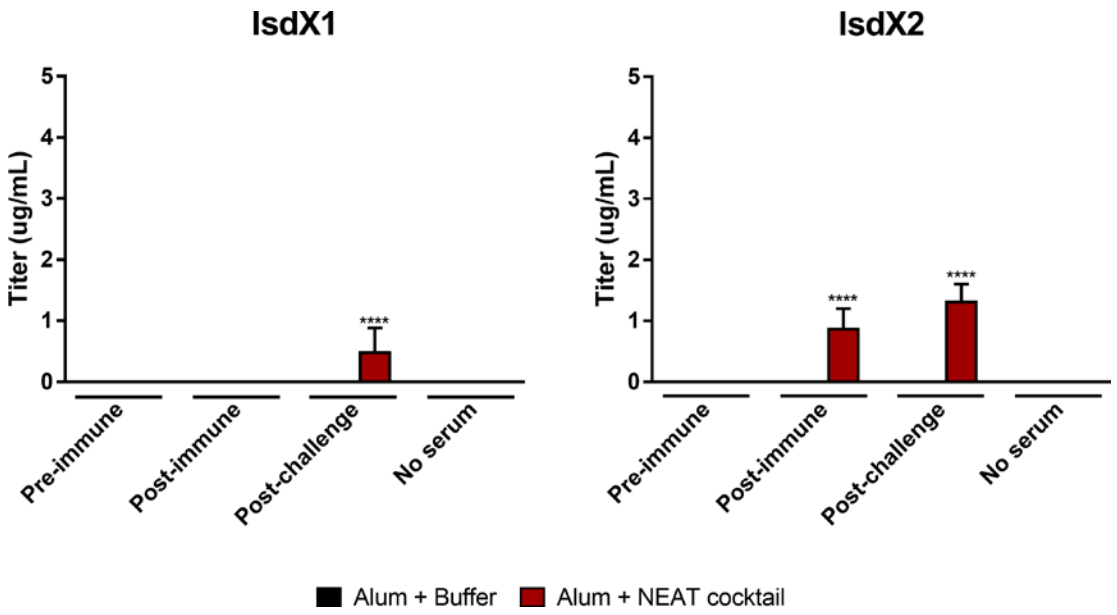
[#] $R_{sym} = \Sigma \Sigma_i |I_i - (I)| / \Sigma \Sigma_i I_i$

[++] $R_{work} = \Sigma ||F_{obs}| - |F_{calc}|| / \Sigma |F_{obs}|$, where R_{free} was computed identically except all reflections belonged to a test set consisting of a 5% random selection of the data.



Supplementary Figure 1. Measurement of the LD_{50} of *B. anthracis* Sterne for A/J mice.

Three groups of mice (n = 5) were subcutaneously challenged either with 1 X 10^2, 1 X 10^3 or 1 X 10^4 spores and the LD_{50} was determined using the Reed-Muench method using the higher dose at day five.



Supplementary Figure 2. Reactivity of the serum from mice vaccinated with the NEAT domains and Alum. Pre-immune, post-vaccine and post-challenge serum from mice vaccinated either with Alum, Hal_N, or the NEAT cocktail were evaluated for the presence of anti-NEAT antibodies using ELISA with purified NEAT domains from each NEAT protein: IsdX1, Hal, BslK, IsdC and IsdX2. The asterisks represent Tukey's multiple comparison test comparing the post-immune or post-challenge response to the pre-immune and no-serum response; **** $p < 0.0001$