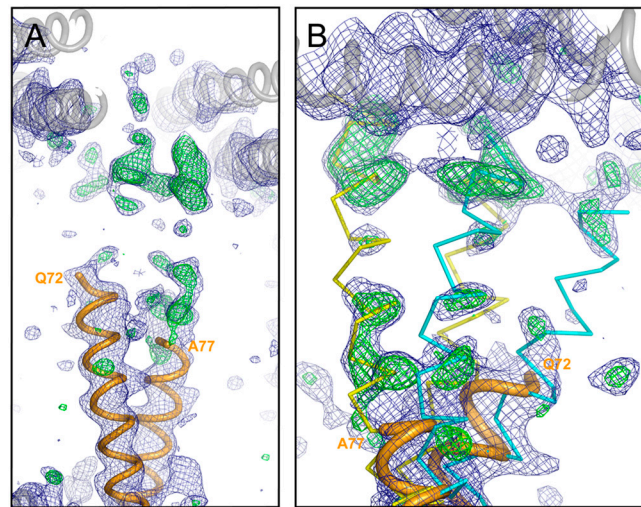


**Fig. S4.** Density showing glycosylation of N92 in BST2(51–151) expressed in HEK293T cells.  $2mF_o - DF_c$  electron density ( $1.0\sigma$ , blue) indicates the position of discernible sugar moieties extending from N92 residues after Endo-H treatment. N-acetylglucosamine (NAG) residues are approximately perpendicular to the C91–C91 disulfide bond.



**Fig. S5.** Residual electron density at the N terminus of oxidized BST2(51–151). (A) Density in the  $2mF_o - DF_c$  (blue,  $1.0\sigma$ ) and  $mF_o - DF_c$  (green,  $3.0\sigma$ ) maps is visible at the N terminus of BST2(51–151) (orange). It is mostly evident in proximity to symmetry related molecules (gray). (B) Residual density suggests the possibility of alternative helical conformation for the N-terminus, which we have tentatively modeled in this figure. Flexibility at the N terminus could generate alternative coiled-coil dimers shown here in cyan and yellow, respectively.