

Figure S1. Mortality in DBA/2 Mice. Groups of 16 DBA/2 mice were infected intraperitoneally with 2000 cfu *Salmonella* per mouse. Moribund animals were euthanized. (■) wild type, (○) *sodCII::phoA*, (□) *sodCII::kan*, (▲) *sodCII::pRR10(ΔtrfA)*

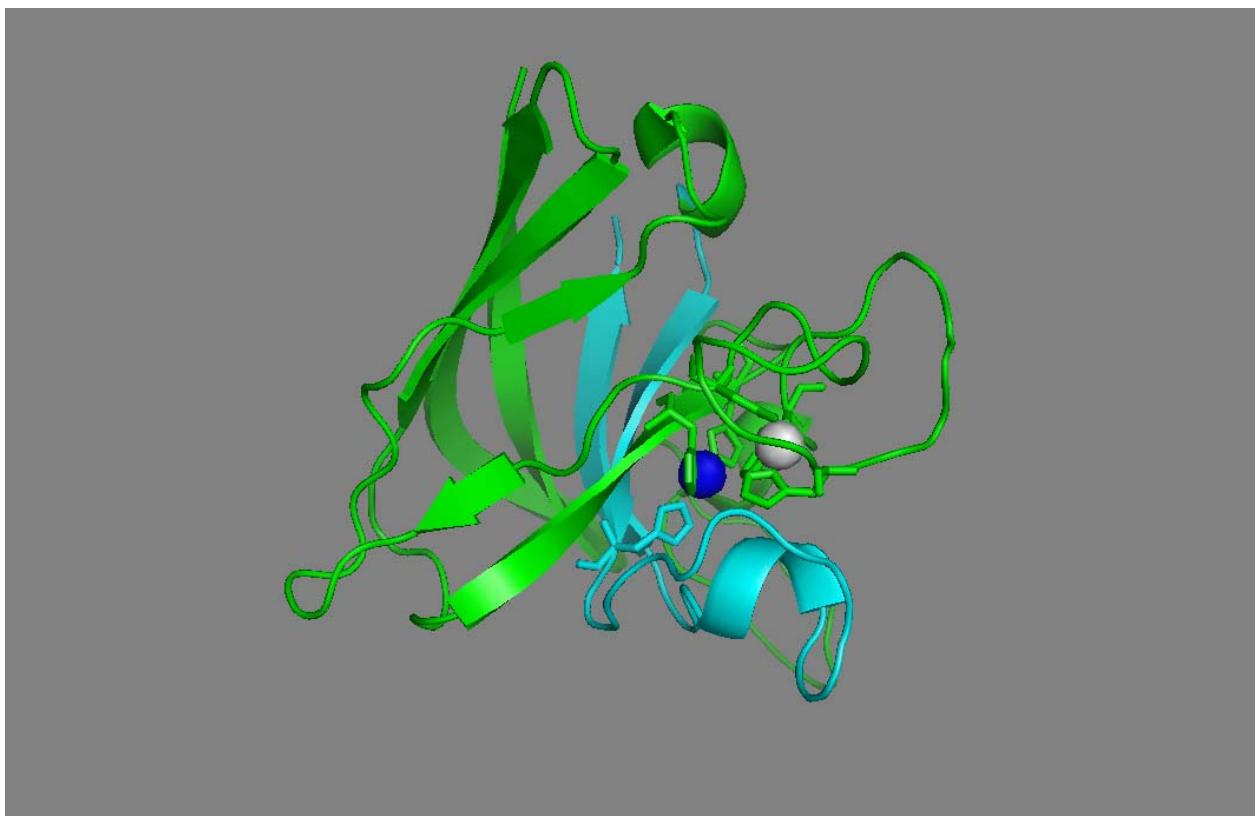


Figure S2. Structure of *Salmonella* SodCII. The protein region deleted in the insertional mutant is shown in cyan. The region encompasses one copper ligand. The copper ion is colored blue, and the zinc ion is grey. The Figure was generated with Pymol.



Figure S3. Deletions in Cu,ZnSODs. A) Amino acid alignment of *S. Typhimurium* SodCII and human Cu,ZnSOD. Numbers refer to SodCII amino acid residues. Arrows indicate insertion/deletion points in SodCII (red) or human Cu,ZnSOD (blue). Asterisks indicate metal ligands. B) Deletion mutants identified in patients affected by familial forms of amyotrophic lateral sclerosis (readapted from 56). All identified deletions are located between exons 4 and 5, within β-strand 7 or loop 7,8.