

SUPPLEMENTARY FIGURE LEGENDS

Supplementary Figure 1 Calcium-mediated crystal packing interactions in the C222₁.

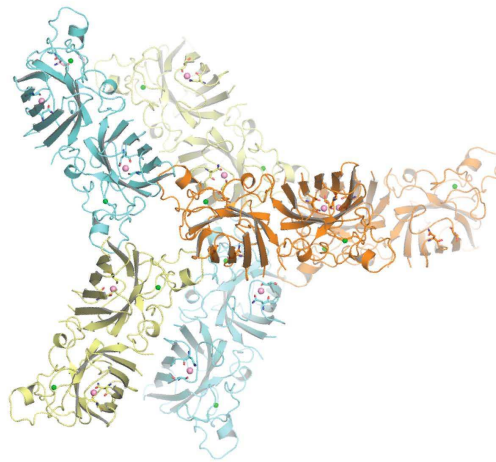
A) The “trimer of dimers” crystal packing motif frequently observed in structures of SOD1. B) Two distinct types of calcium-mediated crystal contacts (boxed and circled) connecting layers in the C222₁ crystal form. C) Close-up of the calcium-mediated interactions shown in panel B).

Supplementary Figure 2 Analytical ultracentrifugation and gel filtration of

H46R/H48Q SOD1. A) van Holde and Weischet plots of sedimentation velocity data probing γ CCS and H46RH48Q interactions in solution. B) Metal-free, reduced H46R/H48Q SOD1 elutes as a dimer in gel filtration experiments.

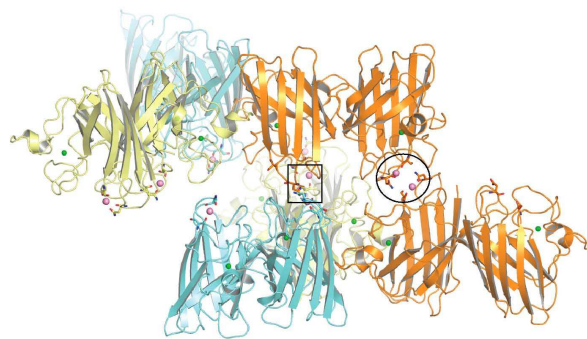
Supplementary Figure 1

A)

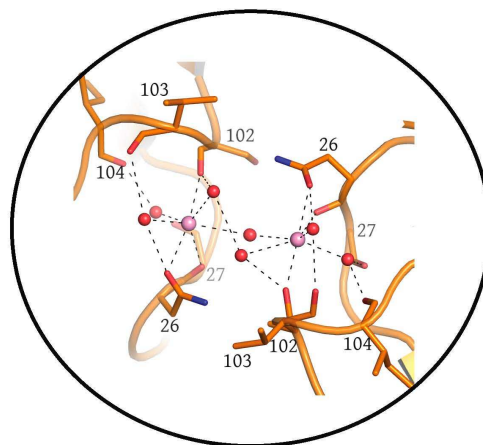
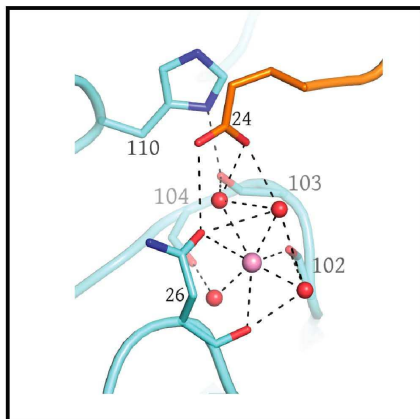


90°

B)

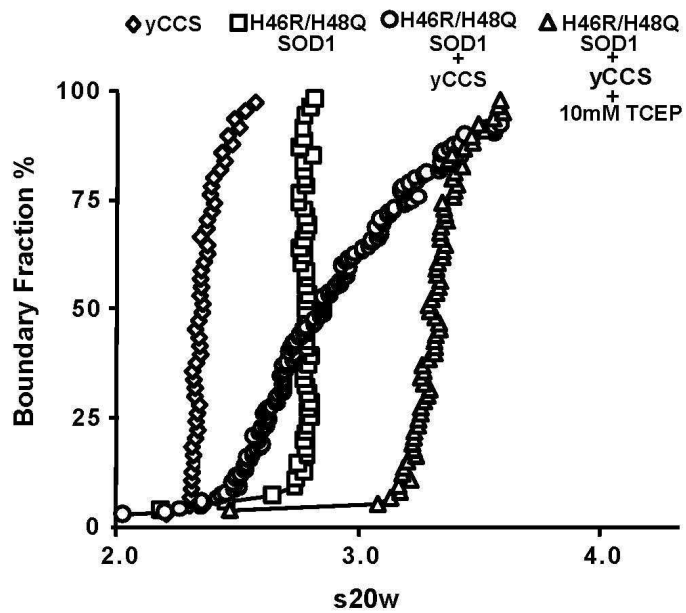


C)



Supplementary Figure 2

A)



B)

