



Fig. 52. Analytical equilibrium ultracentrifugation analyses of BST2(47–154). Equilibrium distributions without (A) and with (B) reductant (4 mM TCEP). Residual differences between the data and the fits are shown below. Rotor speeds were 12,000 rpm in these experiments. Data sets were also collected at 16,000 rpm. Data were collected at three concentrations and were globally fit to single species models in which the molecular weights were fixed to either a tetramer (left panel; 51,100 Da) or dimer (right panel, 25,550 Da). Note that the reduced BST2 protein is well fit by the tetramer model and the oxidized protein is well fit by the dimer model.