170170000000000000002 60 55 8.2 50 Heat capacity (cal/mol\*K) 8.0 Entropy (cal/mol\*K) 30 30 7.8 7.6 7.4 7.2 25 statmech 7.0 20 fitted 500 1500 1000 2000 1000 1500 0 2000 2500 0 500 2500 Temperature (K) Temperature (K) 3100 3122.5 3120.0 Gibbs free energy (kcal/mol) 3080 (kcal/mol) 3117.5 (halphol) 3115.0 (halphol) 3112.5 (halphol) 3110.0 3060 3040 3020 3000 3107.5 -

