

HOMEWORK # 1

BIOL/CHEM 5312

due Friday, January 30, 2015

van Holde, Johnson, & Ho Chapter 1, p.68–70,

problems **1.3, 1.4, 1.5*, 1.6, 1.7, 1.8**

**in Problem 1.5 use the contact plot below (Or online
<http://faculty.smu.edu/svik/5312/contactmap2.jpg.pdf>)**

- a. Assign the secondary structure. (Find 10–12 elements of secondary structure and assign them by residue, approximately.)
- b. As much as possible, determine the tertiary structure by considering the interactions of the elements of secondary structure.

(Always write out complete solutions.)

