



**FIGURE 7.** Energy landscape of the Ras/Raf contact surface. The changes of free energy, enthalpy, and entropy contributed by the Ras residue E37 contacting the Raf residues R59, T68, V69, and K84, respectively, calculated according to Eq. 12 and listed in Table 2, are shown here on top of the surface of the two proteins. The two proteins forming the complex are rotated by 90° such that their contact areas are facing the reader. The energy contributions are scaled according to the color code of the bar. Note,  $-T\Delta\Delta S^\circ$  is depicted so that in all three panels, red indicates favoring contributions, and blue corresponds to unfavorable energetics.

*Protein-Protein Interactions: A Molecular Cloning Manual*, 2nd Ed., © 2005 by Cold Spring Harbor Laboratory Press, Chapter 13, Figure 7.