Plate 17 Affinity Separation: Rational Design, Synthesis and Evaluation. The complex between the Fb fragment of SpA and Fc fragment of IgG. The residues in pink represent amino acids in SpA interacting with the residues inter- and intramolecular hydrogen bonding. The interaction involves a total of 32 amino acids spanning an intersurface area corresponding to 40nm². The interaction is predominantly characterized by hydrophobic interactions as well as some hydrogen bonding and two salt bridges.