Supplementary figure 1. Crystal structure of the GI.9 Vancouver P dimer in apo form. (A) Overall structure of the P dimer. Red arrows indicate the HBGA binding sites. (B) Comparison of the HBGA binding site between the Vancouver P dimer (pale blue) and the GI.1 Norwalk P dimer (grey) (PDB 2ZL5). These two structures are overlaid. Loop structures of the Vancouver P dimer are indicated in colors as shown in Figure 2. The corresponding loop structures of the Norwalk counterpart are indicated in pale red.
Supplementary figure 2. Interaction map of the Lewis antigen binding site in the Vancouver P dimer. Several amino acid residues and water molecules involved in the interaction with Lewis b and Lewis x antigens are depicted. “(A)” and “(B)” following amino acid and saccharide residues indicate the A and B subunit of the P dimer, respectively.