Supplementary Figure 4 The conserved Glu78 and Thr113 residues of Tom20 and the surrounding water molecules. Glu78 and Thr113 are non-hydrophobic, conserved residues involved in the interaction with the presequence. Water molecules are shown as cyan spheres and hydrogen bonds are yellow broken lines. The δ-carboxylate group of Glu78 of Tom20 forms a hydrogen bond with the backbone amide of Leu15' of the peptide in the Y-linker structure (in an oval). This hydrogen bond may position the presequence helix by a helix-capping effect, by analogy to the nuclear receptor. Chains B and D of the A-linker structure and chains D and H of the Y-linker structure were used as representative structures for the drawings.