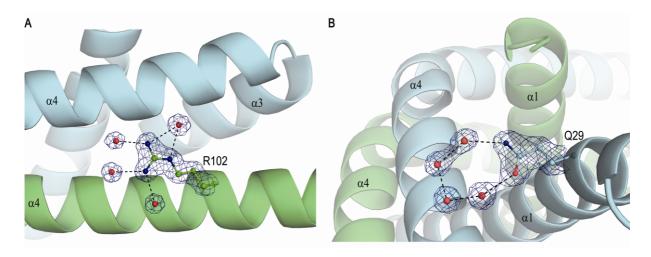
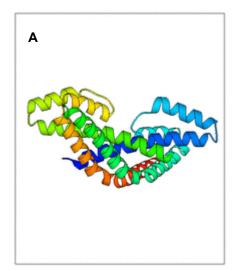
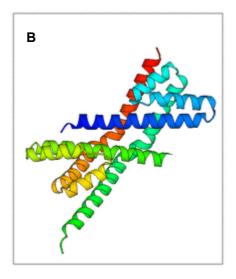
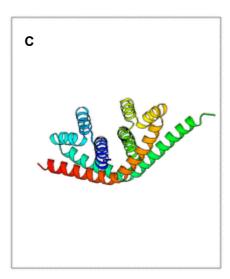
Supplementary materials



Supplementary Figure 1. Sample water molecules (red spheres) in the crystal structure of TeRbcX, shown in $2F_o$ - F_c electron density map contoured at 1.0 σ . Chain A, green; chain B, cyan. (A) Around Arg102 residue; (B) around Gln29 residue.







Supplementary Figure 2. (A) Illustration of conformational changes in TeRbcX, taking place on transition from the closed to open conformation. (B) A view rotated 90° about the x axis. (C) A view rotated 90° about the y axis. The animations were generated with ElNemo (Suhre & Sanejouand, 2004). Chain A is shown in rainbow colors changing from blue to green, chain B from green to red. Animated images are available as separate files in GIF format.