



Supplementary information, Fig. S6 Details of the protein-protein and protein-RNA interactions in the biogenesis domain. a, b Details of the protein-protein interacting interfaces between the two sets of H/ACA units as in Fig. 2a. At interface I, the 3' and 5' H/ACA unit proteins are shown in electrostatic surface and ribbon representations, respectively. Hydrophilic residues are shown in stick model. At interface II, the 3' and 5' dyskerin proteins are shown in ribbon and electrostatic surface representations, respectively. **c** Electrostatic surface representations of the two dyskerin proteins and their interactions with hTR. The hTR RNA is shown in cartoon model, and the 5' and 3' bulges are colored in magenta. **d-f** Closeup views of the H (**d**), ACA (**e**) and CAB (**f**) boxes that are recognized by 5' and 3' dyskerin and TCAB1, respectively. TCAB1 and NHP2 are shown in electrostatic surface ribbon representations respectively, and hTR is shown in cartoon representation.