**Figure S6.** A false positive example of RMalign benchmarking in balance-SCOR.

5msf:S (yellow) is superposed on 2iz8:R (cyan) by RMalign. These two RNA structures are very similar (RMscore = 0.837). But they are belonged to two distinct function classes in FSCOR (Phage_coat_protein_binding, MS2_phage_coat_protein_binding_stem-loop).