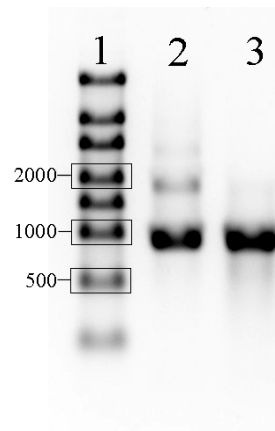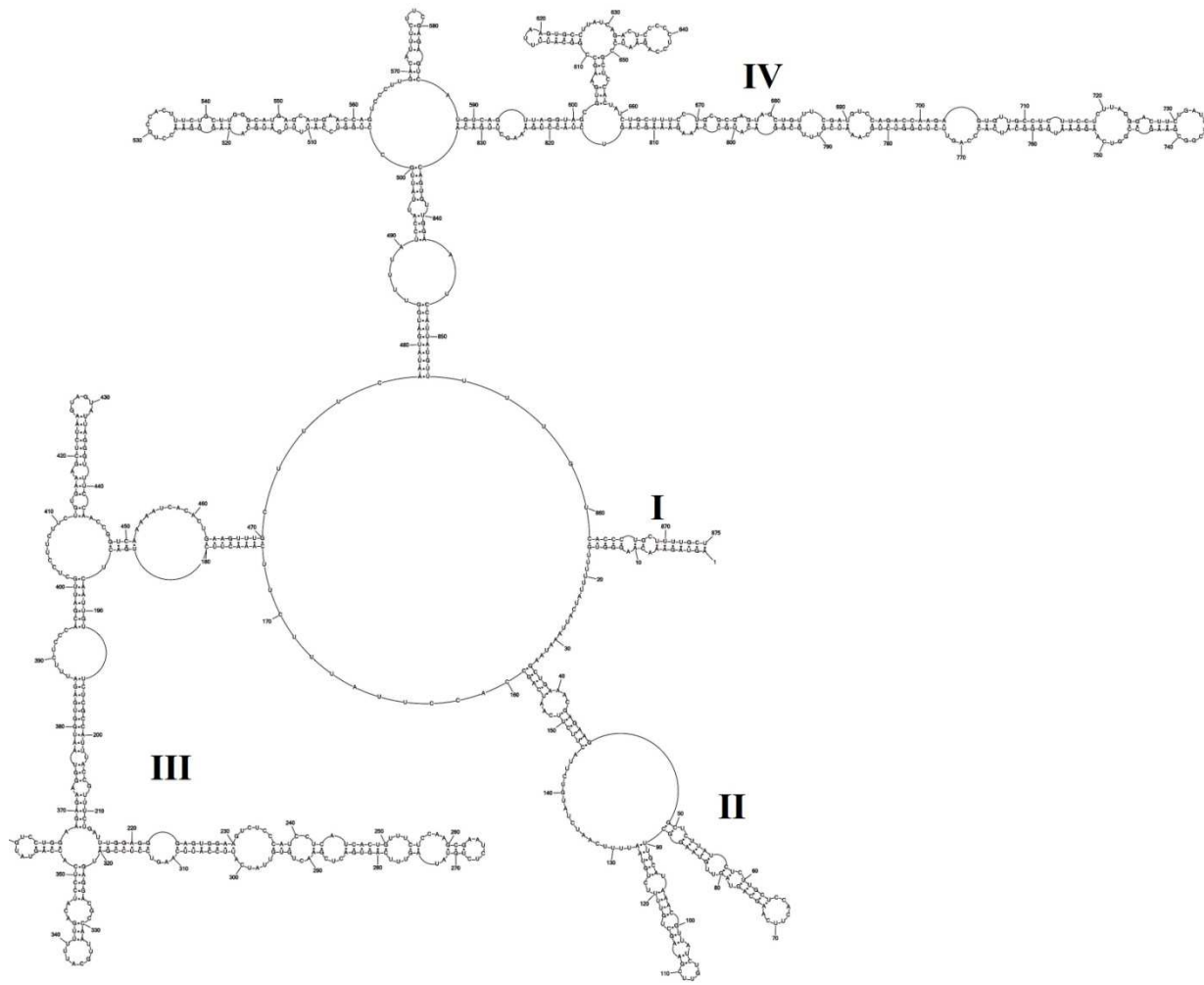**S2 File. Supporting Information Figures.**

Fig A. vRNA8 analysis by agarose gel electrophoresis. 1) RNA Ladder - RiboRuler High Range RNA Ladder – bands in boxes with numbers refer to RNA length; 2) vRNA8 without folding – the homodimeru is present; 3) vRNA8 after folding in buffer (300mM NaCl, 5mM MgCl2, 50mM HEPES pH 7.5) (see Materials and methods).

Fig B. Self-folding vRNA8 predicted by RNAstructure 5.3 without any constraints. The numbering of vRNA8 is from its 5' end.