

A

Vd-LRNA_Kauai_long	TTGGATTGTGTGATCCAAC TGACGAGA CAAAAG TTCGAAACCTTCAACCTAGTGTGAGG	60
Vd-LRNA_Kauai_short	TTGGATTGTGTGATCCAAC TGATGAGA CAAAAG TTCGAAACCTTCAACCTAGTGTGAGG	60

Vd-LRNA_Kauai_long	ACTCTCACTCTCTCGGC TC TCTGC CTGGAACGCTATGCAGCTCTACCGCTCTATTCC TCG	120
Vd-LRNA_Kauai_short	ACTCTCACTCTCTCGGC TC TCTGC CTGGAACGCTATGCAGCTCTACCGCTCTATTCC TCG	120

Vd-LRNA_Kauai_long	ACTAGTTCTTGGAGTATCAAGGAGTTCCATAC TCTCC TAGTAGAGTTTCGGTGACGGCCA	180
Vd-LRNA_Kauai_short	ACTAGTTCTTGGAGTATCG-GG GAGTTCCATTCTCC TAGTAAAGTTTCGGTGACGGCCA	179

Vd-LRNA_Kauai_long	GGGTAGTAGCAC TTTTGT TTGTAGAAGTTTCGTCC TTTTGGACTCATCAGTAGGAAAACAC	240
Vd-LRNA_Kauai_short	GGGTAGTAGCAC TTTTGT TT---GAAGTTTCGTCC TTTTGGACTCATCAGTAGGAAAACAC	236

Vd-LRNA_Kauai_long	ATTCCTAGACTTCTGGTAGGTC TATACCATAGAA TTTGAAAC TTAACACTGGTG TGTCAA	300
Vd-LRNA_Kauai_short	ATTCCTAGACTTCTGGTAGGTC TATACCATAGAA TTTGAAAC TTAACACTGGTG TGTCAA	284

Vd-LRNA_Kauai_long	G--GATCCACGCTCTCTC-CCATCTT TACGCGTTCGTTCTGACGAAGAAGTCTGGTGAGTT	357
Vd-LRNA_Kauai_short	TGCTATGAATATCTCAATCAATTCATAGGTATA---CTGGACGA-----GTGCGGAGTT	335

VL RNA_Kauai_long	GTGTTCTATGACGAAACCGACCTTCTGAAGGTA	390
Vd-LRNA_Kauai_short	-----CCCAATACTCCCCTCTGAAGGTA	358

B

Fig Vd-LRNA long

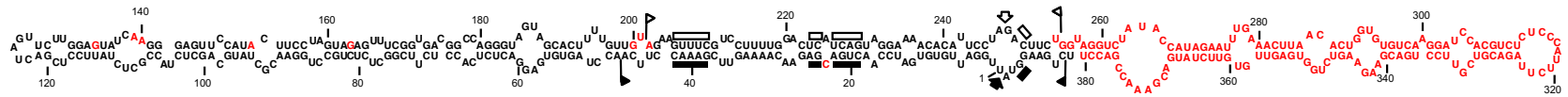


Fig Vd-LRNA short

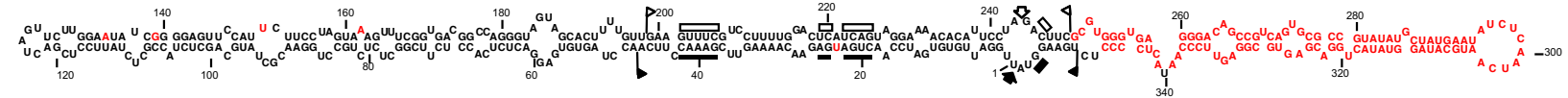


Figure S2. (A) Pairwise comparison between a short and a long viroid-like RNA (Vd-LRNA) identified *in silico* in a fig sample from the island of Kauai. Positions with identical nucleotides are denoted by asterisks. **(B)** Primary and predicted secondary structure of the lowest free energy of the long and short Vd-LRNA variants from Kauai. Differences between both RNA molecules are denoted in red. Regions involved in the formation of (+) and (-) hammerhead structures are delimited by flags; arrows and bars indicate the self-cleavage sites and the nucleotides conserved in most natural hammerhead structures, respectively; filled (black) and open symbols refer to (+) and (-) polarity, respectively.