

(a) *Daphnia_CactaNA1.1* terminal inverted repeats (TIRs).

TTCTAACAA**AG**|ccctatctcctgtccggcgtctagaatttggtt

ccctatctcctgtctggcgtctaaaatttggtt| **AGAGAGCTCC**

(b) Conserved TIRs across *CACTA* elements from various species.

D. pulex

CCCTATCTCCTGTCCGGCGTCTAGAATTTGGTT

S. mansoni

CCCAAACAACCAATAAAGGGGAAATAAAAGGCGAACAAAGGGGAAATAAAGCGGA

A. aegypti

CCAGTCAAC

T. castaneum

CCCTAGTAGCACCGAATATTTGTAAAA

O. sativa

CAC TGGT GAG AGAA ACC