

Supplemental table S1: Summary of the sRNA reads mapped to the papaya sex chromosomes

Library	Total reads	% Unique reads	HSY		MSY		X	
			Number of unique reads aligned	% Aligned	Number of unique reads aligned	% Aligned	Number of unique reads aligned	% Aligned
Male	1589618	42.6	26312	3.66	35467	5.23	26476	3.91
Female	3625411	43.4	49870	3.17	68226	4.34	56171	3.57
Hermaphrodite	1757638	41.8	28152	3.83	38354	5.22	29106	3.96
All sex combined	6972667	38.4						

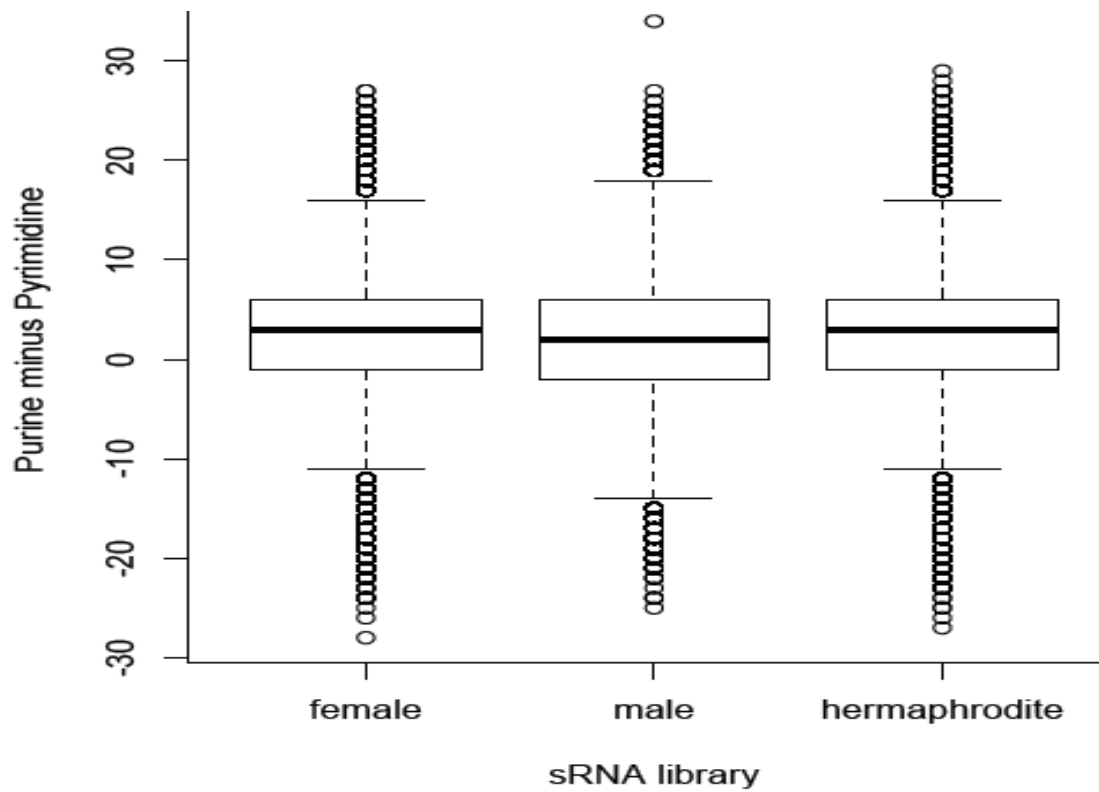


Figure S1. Distribution of purine-rich and pyrimidine-rich sequences in the sRNA libraries. The Y- axis shows the value of purine minus pyrimidine: sequences above zero are purine-rich and sequences below zero are pyrimidine-rich.

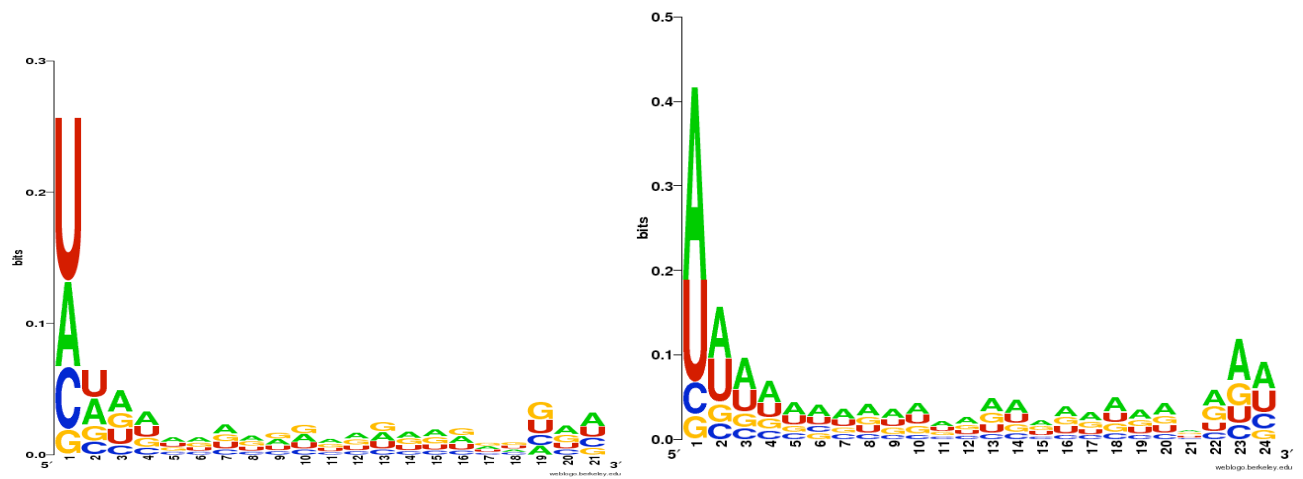


Figure S2. Frequency of different nucleotides en each position of 21 and 24nt sequences. Height of each column represents the total conservation and height of each letter represents relative conservation. The letter on the top represents most frequent nucleotide at that position while letter at the bottom represents least frequent nucleotide.

