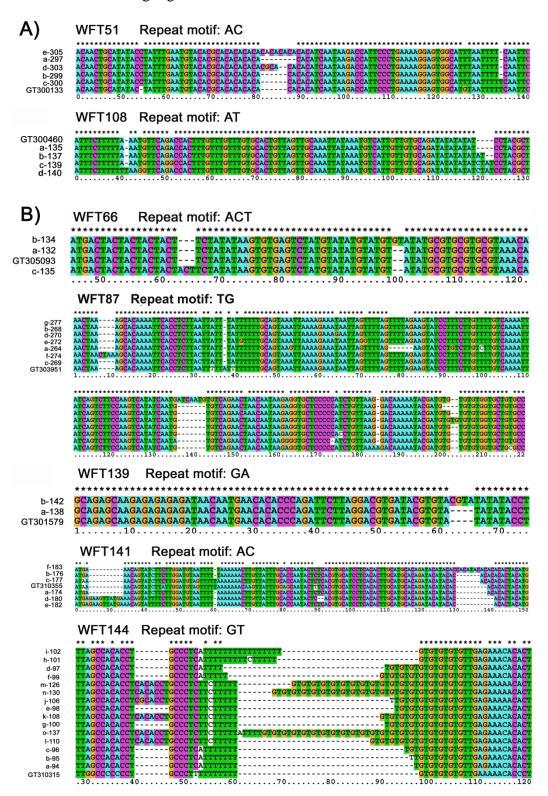
Supplementary Materials

Figure S1. Five remaining EST-SSRs mutated in the repeat motif in *Frankliniella occidentalis*.

wFT24 a-208 GT303793 b-214	Repeat motif: AC
WFT28 a-93 b-95 GT303349	Repeat motif: TA GTAAATAAATCAGTGGAGGGTATGTATATATATATATA AAAGATCATTTAAACCTGAACTGATATCACA GTAAATAAATCAGTGGAGGGTATGTATATATATATATATA
wFT64 a-244 b-247 c-250 GT311293	Repeat motif: GGA
d-151 e-153 b-147 c-149 a-145 GT299180	Repeat motif: AC
d-111 c-109 i-145 m-147	Repeat motif: GA

d-111	CGTTCATTGAGAGAGCGCGGGAGAGAGAGAGAGAGAGAGA
c-109	CGTTCATTGAGAGAGAGCGCGCGGAGAGAGAGAGAGAGAG
I-145	CGTTCATTGAGAGAAATCGCGGGGAGAGAGAGAGAGAGAG
m-147	CGTTCATTGAGAGAATCGCGGGGGAGAGAGAGGGGCGAGAGAGA
n-149	CGTTCATTGAGAGAGATCGCGGGGGAGAGAGAGAGAGAGA
g-125	CGTTCATTGAGAGAAGCGTGGGGAGAGAGAGAAGAGAGAG
h-127	CGTTCATTGAGAGAAGCGTGGGGGAGAGAGAAAGAGAGAG
j-137	CGTTCATTGAGAGAAGCGTGGGGGAGAGAGAAAGAGAGAG
i-131	CGTTCATTGAGAGAAGCGTGGGGAGAGAGAAAGAGAGAGA
k-143	CGTTCATTGAGAGAAGCGTGGGGGAGAGAGAAAGAGAGAG
f-121	CGTTCATTGAGAGAAGCGTGGGGGAGAGAGAGAGAGAGAG
e-119	CGTTCATTGAGAGAGAGCGTGGGGAGAGAGAGAGAGAGAG
b-105	CGTTCATTGAGAGAAGCGCGGGAGAGAGAGAGAGAGAGAG
a-103	CGTTCATTGAGAGAAGCGCGGGGGAGAGAGAGAGAGAGAG
GT303588	CGTTCATTGAGAGAGAGCGCGCGGAGAGAGAGAGAGAGAG
	0

Figure S2. Mutational patterns of EST-SSRs in *Frankliniella occidentalis*. (A) microsatellites which have one SSR in the flanking region; (B) microsatellites which have indels in the flanking region.



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