Elias_Fig. 1

A) Diagram showing a wave with a frequency $f = 1/T$.

B) Graph showing average speed over frames for two different frequencies $T = 1/3$ and $T = 1/5$.

C) Graph showing speed bin distribution over frames for two different amplitudes $A = 40$ and $A = 80$.

D) Graph showing peak amplitude over input amplitude for different bar lengths.

E) Graph showing peak amplitude over frequency for different bar lengths.
A) AM movement

B) FM movement

i. 

ii. 

iii. 

iv. 

Elias_Fig. 2
A. *H. pugillis* (Galiuros)  

B. *H. pugillis* (Santa Ritas)  

C. *H. pugillis* (Atascosas)  

D. *H. pugillis* (Santa Catalinas)

i.  

ii.  

iii.  

iv.
A. Scrape

B. Thump

C. Buzz

i.

ii.

iii. Average Speed

iv. Speed Bin

v. log(# pixels) - log(mean # pixels)
i.

Elias_Fig. 6

ii.

p <0.05

p <0.001

p <0.05
A) Speed integrated over time

B) Orientation integrated over time

Speed isoform surfaces