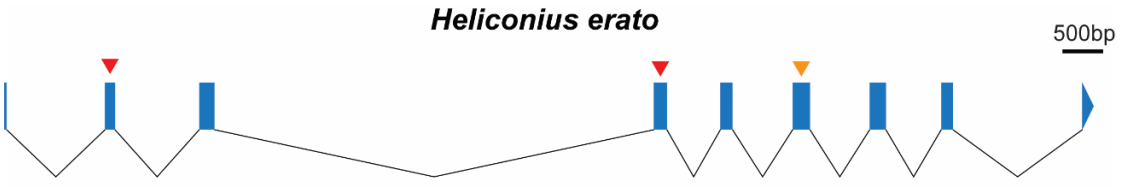
Supplementary File 6: CRISPR mutagenesis confirmed through sanger sequencing

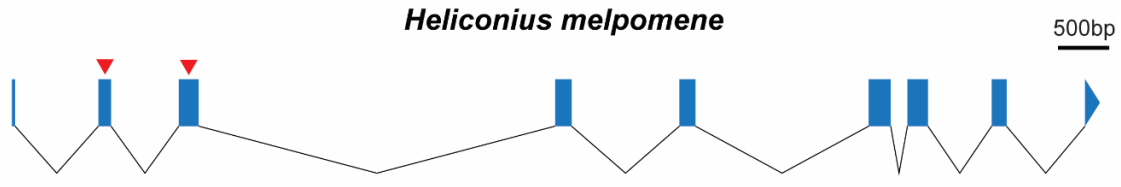


Exon 2

```
WT  TTTAACACGCAACGTAATCGCCTAGATAGGTTCGTAGCGCCCCGAGATTCCTTCAGCGAAACGCG
D1  TTTAACACGCAACGTAATCGCCTAG----GTTCGTAGCGCCCCGAGATTCCTTCAGCGAAACGCG
D2  TTTAACACGCAACGTAATCGCCTAG-----TTCGTAGCGCCCCGAGATTCCTTCAGCGAAACGCG
D3  TTTAACACGCAACGTAATCGCCTAG----------------CCGAGATTCCTTCAGCGAAACGCG
I1  TTTAACACGCAACGTAATCGCCTAGATAGGTTCGTAGCGCCCCGAGATTCCTTCAGCGAAACGCG
                              ATTTCGC
```

Exon 4

```
WT  CAGCGTATCCTTGGCTTATGAGACTCTGGCTCCTCCAACTCCATTTATGGTAGTTTCTCCCAAGT
D1  CAGCGTATCCTTGGCTTATGAGACTC----------------TTATGGTAGTTCCTCCCAAGT
D2  CAGCGTATCCTTG----------------------------TTATGGTAGTTCCTCCCAAGT
D3  CAGCGTATCCTTGGCTTATGAGACTCTGGCTCCTCCAACTCC---ATGGTAGTTCCTCCCAAGT
D4  CAGCGTATCCTTGGCTTATGAGACTC----------------ATGGTAGTTCCTCCCAAGT
```



Exon 2

```
WT  GCCAAGAGCGACGTCGGCGCGTTTCGCTGAAAGAATCTCGGGTCGCTACGAACCTATCTAGGCG
D1  GCCAAGAGCGACGTCTGCGCGTTTCGCTGAAAGA-------TCGCTACGAACCTATCTAGGCG
D2  GCCAAGAGCGACGTCGGCGCGTTTCGCTGAAA----CTCGGGTCCCTACGAACCTATCTAGGCG
D3  GCCAAGAGCGA----------------------------TCGCTACGAACCTATCTAGGCG
D4  GCC----------------------------------TCGGGTCGCTACGAACCTATCTAGGCG
```

Exon 3

```
WT  GGTCCAGAATGCTGTCTGCTGAGGAAAGGTAGGTTTTTTTTCTCGGAATACATGGCCACAGTTGAT
D1  GGTCCAGGATGCTGTCTCTTGAA----------------------------AGTTGAT
D2  GGTCCAGAATGCTG-------AGGAAAGGTAGGTTTTTTTTCTCGGAATACATGGCCACAGTTGAT
```

Figure S6: Gene models for cortex are shown for both *H. erato* and *H. melpomene*. Red arrows indicate positions of sgRNAs that were genotyped in CRISPR experiments. Recovered sequences showing evidence of editing as a result of CRISPR mutagenesis are shown. Target sequences are shown in blue and PAM site highlighted in bold. For *H. erato* exon 2, we recovered a sequence containing a 7bp insertion (indicated with red arrowhead, I2).