## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Collection, ID and sex information for the butterfly specimens used for RNA

sequencing.

File Name: Supplementary Data 2

Description: Gbif occurrence data used for estimating species ranges.

File Name: Supplementary Data 3

Description: Summaries of transcriptome assemblies and the number of OD and 4D sites.

File Name: Supplementary Software 1

Description: Mathematica code for modeling the effect of selection on neutral diversity.