

File Name: Supplementary Data 1

Description: Scaffold classification and homology with *B. mori* chromosomes in *C. ohridella*, *N. degeerella*, and *T. sylvina*.

File Name: Supplementary Data 2

Description: *De novo* assembly (Example of *N. degeerella*).

File Name: Supplementary Data 3

Description: Coverage values for each library and after keeping only uniquely mapped reads in *C. ohridella*.

File Name: Supplementary Data 4

Description: Coverage values for each library and after keeping only uniquely mapped reads in *N. degeerella*.

File Name: Supplementary Data 5

Description: Coverage values for each library and after keeping only uniquely mapped reads in *T. sylvina*.

File Name: Supplementary Data 6

Description: Coverage values for each library and after keeping only uniquely mapped reads in *L. lunatus*.

File Name: Supplementary Data 7

Description: Bash script for reference mapping.

File Name: Supplementary Data 8

Description: DNA coverage estimation.

File Name: Supplementary Data 9

Description: CDS *Bombyx mori*.

File Name: Supplementary Data 10

Description: Chromosomal location of *Bombyx mori* CDS.

File Name: Supplementary Data 11

Description: Female and male coverage values of scaffolds assigned to *B. mori* chromosomes in *C. ohridella*.

File Name: Supplementary Data 12

Description: Female and male coverage values of scaffolds assigned to *B. mori* chromosomes in *N. degeerella*.

File Name: Supplementary Data 13

Description: Female and male coverage values of scaffolds assigned to *B. mori* chromosomes in *T. sylvina*.

File Name: Supplementary Data 14

Description: Female and male coverage values of scaffolds assigned to *B. mori* chromosomes in *L. lunatus*.

File Name: Supplementary Data 15

Description: BLAT mapping of scaffolds onto *B. mori* genome.

File Name: Supplementary Data 16

Description: R code used to detect *in silico* Z-linked scaffolds.

File Name: Supplementary Data 17

Description: W-candidates in fasta format for *C. ohridella*.

File Name: Supplementary Data 18

Description: W-candidates in fasta format for *N. degeerella*.

File Name: Supplementary Data 19

Description: W-candidates in fasta format for *T. sylvina*.

File Name: Supplementary Data 20

Description: R code used to detect *in silico* W-candidates.

File Name: Supplementary Data 21

Description: Scaffold classification in *T. sylvina*, before adding the publicly available individual.

File Name: Supplementary Data 22

Description: R code used to identify the sex of the publicly available *T. sylvina* individual.