

Families	Species	GenBank	Citations
Saturniidae	<i>Antheraea yamamai</i> (Guérin-Méneville, 1861)	NC_012739	Kim et al. (2009)
	<i>Antheraea frithi</i> Moore, 1859	KJ740437	Shantibala et al. (2018)
	<i>Antheraea pernyi</i> (Guérin-Méneville, 1855)	NC_004622	Liu et al. (2008)
	<i>Antheraea assamensis</i> (Helfer, 1837)	KU379695	Singh et al. (2017)
	<i>Antheraea formosana</i> Sonan, 1937	OK078922	Cheng et al. (2022)
	<i>Antheraea polyphemus</i> (Cramer, 1776)	NC_072344	Liu (unpublished)
	<i>Actias luna</i> (Linnaeus, 1758)	MN832537	Langley et al. (2020)
	<i>Actias selene</i> (Hübner, 1806)	JX186589	Liu et al. (2012)
	<i>Actias aliena</i> (Butler, 1879)	KF927042	Park et al. (2016)
	<i>Actias dubernardi</i> (Oberthür, 1897)	MW133617	Zhao et al. (2021)
	<i>Rinaca boisduvalii</i> (Eversmann, 1846)	MF034742	Kim et al. (2017)
	<i>Rinaca jonasii</i> (Butler, 1877)	MF346379	Kim et al. (2018)
	<i>Rinaca japonica</i> (Moore, 1862)	MT614593	Liu et al. (2021)
	<i>Saturnia pyretorum</i> Westwood, 1847	FJ685653	Jiang et al. (2009)
	<i>Samia wangi</i> Naumann & Peigler, 2001	NC_068878	Lu et al. (2022)
	<i>Samia cynthia</i> (Drury, 1773)	KC812618	Sima et al. (2013)
	<i>Samia canningi</i> (Hutton, 1859)	NC_024270	Shantibala et al. (2016)
	<i>Samia ricini</i> (Jones, 1791)	NC_017869	Kim et al. (2012)
	<i>Samia watsoni</i> (Oberthür, 1914)	NC_068851	Lu et al. (2022)
	<i>Epiphora bauhiniiae</i> (Guérin-Méneville, 1832)	OL912809	Nethavhani et al. (2022)
	<i>Attacus atlas</i> (Linnaeus, 1758)	NC_021770	Chen et al. (2014)
	<i>Rhodinia fugax</i> (Butler, 1877)	MT548575	Chen et al. (2021)
	<i>Solus drepanoides</i> (Moore, 1866)	OR773098	This Paper
	<i>Solus parvifenestratus</i> Bryk, 1944	OR773097	This Paper
	<i>Vegetia ducalis</i> Jordan, 1922	OL912815	Nethavhani et al. (2022)
	<i>Vegetia grimmia</i> (Geyer, 1832)	OL912816	Nethavhani et al. (2022)
	<i>Ludia delegorguei</i> (Boisduval, 1847)	OL912814	Nethavhani et al. (2022)
	<i>Holocerina smilax</i> (Westwood, 1849)	OL912813	Nethavhani et al. (2022)
	<i>Eochroa trimenii</i> C. & R. Felder, 1874	OL912808	Nethavhani et al. (2022)
	<i>Nudaurelia cytherea</i> (Fabricius, 1775)	OL912953	Nethavhani et al. (2022)
	<i>Nudaurelia wahlbergii</i> (Boisduval, 1847)	OL912817	Nethavhani et al. (2022)
	<i>Bunaea alcinoe</i> (Stoll, 1780)	OL912807	Nethavhani et al. (2022)
	<i>Gonimbrasia tyrreha</i> (Cramer, 1775)	OL912810	Nethavhani et al. (2022)
	<i>Gonimbrasia belina</i> (Westwood, 1849)	NC_046032	Langley et al. (2020)
	<i>Gynanisa maja</i> (Klug, 1836)	NC_046033	Langley et al. (2020)
	<i>Heniocha apollonia</i> (Cramer, 1779)	OL912811	Nethavhani et al. (2022)
	<i>Heniocha dyops</i> (Maassen, 1872)	OL912812	Nethavhani et al. (2022)
	<i>Sinobirma bouyeri</i> Naumann, Nässig & Rougerie, 2012	OR754233	Liu (2024)
	<i>Salassa olivacea</i> (Oberthür, 1890)	OR773099	This Paper
Bombycidae	<i>Rondotia menciana</i> Moore, 1885	KC881286	Kong & Yang (2015)
	<i>Bombyx mandarina</i> (Moore, 1872)	OK358669	Kim et al. (2022)
Lasiocampidae	<i>Dendrolimus kikuchii</i> Matsumura, 1927	KY000412	Qin et al. (2019)

- Chen DB, Zhang RS, Jin XD, Yang J, Li P, Liu YQ (2021) First complete mitochondrial genome of *Rhodinia* species (Lepidoptera: Saturniidae): genome description and phylogenetic implication. *Bulletin of Entomological Research* 112(2): 243–252.
- Chen MM, Li Y, Chen M, Wang H, Li Q, Xia RX, Zeng CY, Li YP, Liu YQ, Qin L (2014) Complete mitochondrial genome of the atlas moth, *Attacus atlas* (Lepidoptera: Saturniidae) and the phylogenetic relationship of Saturniidae species. *Gene* 545(1): 95–101.
- Cheng AP, Huang CC, Cheng YT, Tseng YW, Wang CC, Lai IL, Hunga KH (2022) Complete mitogenome of *Antheraea formosana* Sonan, 1937 (Lepidoptera: Saturniidae): an endemic silkworm in Taiwan. *Mitochondrial DNA Part B* 7(3): 446–447.
- Jiang ST, Hong GY, Yu M, Li N, Yang Y, Liu YQ, Wei ZJ (2009) Characterization of the complete mitochondrial genome of the giant silkworm moth, *Eriogyna pyretorum* (Lepidoptera: Saturniidae). *International Journal of Biological Sciences* 5(4):351–365.
- Kim JS, Park JS, Kim MJ, Kang PD, Kim SG, Jin BR, Han YS, Kim I (2012) Complete nucleotide sequence and organization of the mitochondrial genome of eri-silkworm, *Samia cynthia ricini* (Lepidoptera: Saturniidae). *Journal of Asia-Pacific Entomology* 15(1): 162–173.
- Kim JS, Kim MJ, Jeong JS, Kim I (2018) Complete mitochondrial genome of *Saturnia jonasii* (Lepidoptera: Saturniidae): genomic comparisons and phylogenetic inference among Bombycoidea. *Genomics* 110(5): 274–282.
- Kim SR, Kim MI, Hong MY, Kim KY, Kang PD, Hwang JS, Han YS, Jin BR, Kim I (2009) The complete mitogenome sequence of the Japanese oak silkworm, *Antheraea yamamai* (Lepidoptera: Saturniidae). *Molecular Biology Reports* 36(7): 1871–1880.
- Kim SR, Kim JS, Kim KY, Kim MJ, Jeong JS, Kim I (2017) Complete mitochondrial genome of the wild silkworm, *Saturnia boisduvalii* (Lepidoptera: Saturniidae). *Entomological Research* 47(6): 344–351.
- Kim MJ, Park JS, Kim H, Kim SR, Kim SW, Kim KY, Kwak W, Kim I (2022) Phylogeographic relationships among *Bombyx mandarina* (Lepidoptera: Bombycidae) populations and their relationships to *B. mori* inferred from mitochondrial genomes. *Biology (Basel)* 11(1): 68.
- Kong WQ, Yang JH (2015) The complete mitochondrial genome of *Rondotia menciaana* (Lepidoptera: Bombycidae). *Journal of Insect Science* 15(1): 48.
- Langley J, van der Westhuizen S, Morland G, van Asch B (2020) Mitochondrial genomes and polymorphic regions of *Gonimbrasia belina* and *Gynanisa maja* (Lepidoptera: Saturniidae), two important edible caterpillars of Southern Africa. *International Journal of Biological Macromolecules* 144: 632–642.
- Liu J, Dai JJ, Jia JJ, Zong YM, Sun YH, Peng Y, Wang L, Qian C, Zhu BJ, Wei GQ (2021) Characterization and phylogenetic analysis of the complete mitochondrial genome of *Saturnia japonica*. *Biochemical Genetics* 60(3): 914–936.
- Liu QN, Zhu BJ, Dai LS, Wei GQ, Liu CL (2012) The complete mitochondrial genome of the wild silkworm moth, *Actias selene*. *Gene* 505(2): 291–299.
- Liu YQ, Li YP, Pan MH, Dai FY, Zhu XW, Lu C, Xiang ZH (2008) The complete mitochondrial genome of the Chinese oak silkworm, *Antheraea pernyi* (Lepidoptera: Saturniidae). *Acta Biochimica et Biophysica Sinica* 40(8): 693–703.
- Liu YQ (unpublished) The complete mitochondrial genome of American silkworm *Antheraea polyphemus*.
- Liu ZY (2024) Preimaginal evidence further elucidates the evolutionary history of the genus *Sinobirma* Bryk, 1944 (Lepidoptera: Saturniidae). *Arthropod Systematics & Phylogeny* 82: 201–233.
- Lu DC, Huang YX, Naumann S, Kitching IJ, Xu ZB, Sun Y, Wang X (2022) Mitochondrial genomes of two wild silkworms, *Samia watsoni* and *Samia wangi* (Lepidoptera: Saturniidae), and their phylogenetic implications. *European Journal of Entomology* 119: 337–353.

Nethavhani Z, Strauli R, Hiscock K, Veldtman R, Morton A, Oberprieler RG, van Asch B (2022) Mitogenomics and phylogenetics of twelve species of African Saturniidae (Lepidoptera). *PeerJ* 10: e13275.

Park JS, Kim MJ, Kim I (2016) The complete mitochondrial genome of the moon moth, *Actias aliena* (Lepidoptera: Saturniidae). *Mitochondrial DNA Part A* 27(1): 149–150.

Qin J, Li J, Gao Q, Wilson JJ, Zhang AB (2019) Mitochondrial phylogeny and comparative mitogenomics of closely related pine moth pests (Lepidoptera: Dendrolimus). *Peer J* 7: e7317.

Shantibala T, Victor T, Luikham R, Arunkumar KP, Sharma HD, Lokeshwari RK, Kim I (2016) Complete mitochondrial genome of the wild eri silkworm, *Samia canningi* (Lepidoptera: Saturniidae). *Mitochondrial DNA Part A* 27(2): 844–845.

Shantibala T, Devi KM, Lokeshwari RK, Anju S, Luikham R (2018) Complete mitochondrial genome of a latent wild oak tasar silkworm, *Antheraea frithi* (Lepidoptera: Saturniidae). *Mitochondrial DNA Part B* 3(1): 15–16.

Sima YH, Chen M, Yao R, Li YP, Liu T, Jin X, Wang LP, Su JF, Li XS, Liu YQ (2013) The complete mitochondrial genome of the ailanthus silkworm, *Samia cynthia cynthia* (Lepidoptera: Saturniidae). *Gene* 526 (2): 309–317.

Singh D, Kabiraj D, Sharma P, Chetia H, Mosahari PV, Neog K, Bora U (2017) Complete mitochondrial genome of golden silk producer *Antheraea assamensis* and its comparative analysis with other lepidopteran insects. *PLOS ONE* 12(11): e0188077.

Zhao F, Su TJ, He B, Jiang K, Zuo CX, Lin GH, Huang ZH (2021) Complete mitochondrial genome of *Actias dubernardi* (Lepidoptera: Saturniidae). *Mitochondrial DNA Part B* 6(2): 627–628.