

S2 Table. Information on the COI sequences used as a reference for the investigation of the evolutionary history of *Flaccisagitta enflata* analyzed in the present study.

Identification	Deposited as	Current Taxonomy	Accession Number	Authors
UCONN:Ch15.1.1	<i>Sagitta enflata</i>	<i>Flaccisagitta enflata</i>	GQ368399.1	Jennings RM, Bucklin A, Pierrot-Bults A.
UCONN:Ch15.1.2	<i>Sagitta enflata</i>	<i>Flaccisagitta enflata</i>	GQ368400.1	Jennings RM, Bucklin A, Pierrot-Bults A.
UCONN:Ch15.2.1	<i>Sagitta enflata</i>	<i>Flaccisagitta enflata</i>	GQ368401.1	Jennings RM, Bucklin A, Pierrot-Bults A.
NIOBZC17	<i>Sagitta hexaptera</i>	<i>Flaccisagitta hexaptera</i>	JN258017.1	Nair VR, Giridharaprabhu R, Xavier F, Nair S.
NIOBZC18	<i>Sagitta hexaptera</i>	<i>Flaccisagitta hexaptera</i>	JN258018.1	Nair VR, Giridharaprabhu R, Xavier F, Nair S.
NIOBZC19	<i>Sagitta hexaptera</i>	<i>Flaccisagitta hexaptera</i>	JN258019.1	Nair VR, Giridharaprabhu R, Xavier F, Nair S.
UCONN:Ch18.1.1	<i>Sagitta marri</i>	<i>Solidosagitta marri</i>	GQ368412.1	Jennings RM, Bucklin A, Pierrot-Bults A.
UCONN:Ch18.1.2	<i>Sagitta marri</i>	<i>Solidosagitta marri</i>	GQ368413.1	Jennings RM, Bucklin A, Pierrot-Bults A.
UCONN:Ch18.1.3	<i>Sagitta marri</i>	<i>Solidosagitta marri</i>	GQ368414.1	Jennings RM, Bucklin A, Pierrot-Bults A.
UCONN:Ch16.1.1	<i>Sagitta helenae</i>	<i>Sagitta helenae</i>	GQ368402.1	Jennings RM, Bucklin A, Pierrot-Bults A.
UCONN:Ch16.2.1	<i>Sagitta helenae</i>	<i>Sagitta helenae</i>	GQ368403.1	Jennings RM, Bucklin A, Pierrot-Bults A.
UCONN:Ch16.3.1	<i>Sagitta helenae</i>	<i>Sagitta helenae</i>	GQ368404.1	Jennings RM, Bucklin A, Pierrot-Bults A.
UCONN:Ch22.1.1	<i>Sagitta bipunctata</i>	<i>Sagitta bipunctata</i>	GQ368396.1	Jennings RM, Bucklin A, Pierrot-Bults A.
UCONN:Ch22.1.2	<i>Sagitta bipunctata</i>	<i>Sagitta bipunctata</i>	GQ368397.1	Jennings RM, Bucklin A, Pierrot-Bults A.

UCONN:Ch22.2.1

Sagitta bipunctata

Sagitta bipunctata

GQ368398.1

Jennings RM, Bucklin A, Pierrot-Bults A.
