

Table S1. Data on the species analyzed in this study, their respective Genbank and Boldsystems accession codes, as well as their geographic origins.

Species	Sample code	Genbank code	Boldsystems code	Sample origin	References
<i>Elops affinis</i>	01	EU403078.1	GBGC4108-08	USA: California	[35]
	02	GU440309.1	MFC050-08	Mexico: Golfo da California	ND
	03	ND	RDFCA386-05	Costa Rica: Guanacaste	ND
	04	ND	RDFCA387-05	Costa Rica: Guanacaste	ND
<i>Elops hawaiiensis</i>	01	MT666003.1	GBMNC15593-2	USA: Hawaii	ND
	02	JF952722.1	ABFJ214-07	Japan: Okinawa	[36]
	03	EU595109.1	FSCS396-07	China: South China Sea	ND
	04	EF607367.1	FSCS062-06	China: Guangdong	[37]
	05	EF607366.1	FSCS059-06	China: Guangdong	[37]
	06	EF607365.1	FSCS060-06	China: Guangdong	[37]
	07	EF607364.1	FSCS061-06	China: Guangdong	[37]
	08	KT951814.1	ANGBF35841-19	China: Leizhou Peninsula	[38]

09	KT951813.1	GBMIN129815-17	China: Leizhou Peninsula	[38]
10	KC970380.1	PSN002-13	Philippines: Pangasinan	ND
11	KC970381.1	PSN021-13	Philippines: Pangasinan	ND
12	EF609347.1	FOAD001-05	Australia: Queensland	[39]
13	NC_005798.1	GBMTG433-16	ND	[40]
14	AB051070.1	GBMNA14512-19	ND	[40]
15	ND	FMVIC175-08	Australia: Victoria	ND
16	ND	FOAD002-05	Australia: Queensland	ND
17	ND	FOAF107-07	Australia: S Western Australia	ND
18	ND	FOAF108-07	Australia: S Western Australia	ND
19	ND	FOAF109-07	Australia: S Western Australia	ND
20	ND	FOAN724-11	Indonesia: Nusa Tenggara Barat, Lombok	ND
<hr/>				
01	MK777275.1	GBMNB7285-20	Vietnam	[41]
02	KT951815.1	GBMIN124585-17	China: Leizhou Peninsula	[38]
03	KU942714.1	ZOSKT074-16	Taiwan	[42]

	04	KU942713.1	ZOSKT073-16	Taiwan	[42]
	05	KU893062.1	ZOSKT1811-16	Taiwan	[42]
	06	JF493413.1	TZMSC028-05	South Africa: KwaZulu-Natal	ND
	07	JF493412.1	TZMSC030-05	South Africa: KwaZulu-Natal	ND
	08	JF493411.1	TZMSC031-05	South Africa: KwaZulu-Natal	ND
	09	JF493410.1	TZMSC029-05	South Africa: KwaZulu-Natal	ND
	10	ND	DSLAF437-07	South Africa, KwaZulu-Natal	[43]
	11	MK348144.1	GBMNB5696-20	India: Vembanad Lake	ND
	12	MK348143.1	GBMNB5695-20	India: Vembanad Lake	ND
	13	MK348142.1	GBMNB5694-20	India: Vembanad Lake	ND
	14	MK348141.1	GBMNB5693-20	India: Vembanad Lake	ND
	15	MK348140.1	GBMNB5692-20	India: Vembanad Lake	ND
<i>Elops machnata</i>	16	KX064462.1	ANGBF35855-19	India: Vellar estuary	ND
	17	KX064461.1	GBMIN125475-17	India: Vellar estuary	ND
	18	KX064460.1	ANGBF35854-19	India: Vellar estuary	ND
	19	KP296166.1	GBGCA10839-15	India: Vellar estuary	ND

	20	KF939634.1	ANGBF35846-19	India	ND
	21	KF918407.1	ANGBF35852-19	India	ND
	22	KF918406.1	ANGBF35851-19	India	ND
	23	KF918405.1	ANGBF35850-19	India	ND
	24	KF918404.1	ANGBF35849-19	India	ND
	25	KF918403.1	ANGBF35853-19	India	ND
	26	KF918402.1	ANGBF35847-19	India	ND
	27	KF918401.1	ANGBF35848-19	India	ND
	28	KF918400.1	ANGBF35845-19	India	ND
	29	KF006257.1	ANGBF35842-19	India	[4]
	30	KF006256.1	ANGBF35843-19	India	[4]
	31	KF006255.1	ANGBF35844-19	India	[4]
	32	MK902725.1	ANGBF50479-19	India	ND
<i>Elops saurus</i>	01	MZ377009.1	GBMND66988-21	USA: Texas, Matagorda Bay	ND
	02	MZ377008.1	GBMND66987-21	USA: Texas, Galveston Bay	ND
	03	MT455571.1	SERCA1437-14	USA: Virginia, Gloucester County	ND

04	JN025309.1	BNAFB147-08	USA: Alabama, Mobile, Dauphin Island	[44]
05	GU224783.1	MFLII064-07 (<i>E. smithi</i>)	Belize: Off Ranguana Caye St. 77 G.G.	[45]
06	GU224782.1	MFLII329-07 (<i>E. smithi</i>)	Mexico: Quintana Roo	[45]
07	GU225201.1	MEFM799-06	Mexico: Yucatan, Celestun	[45]
08	GU225200.1	MEFM800-06	Mexico: Yucatan, Celestun	[45]
09	GU225600.1	MXII478-07	Mexico: Quintana Roo, Bahia Chetumal	[45]
10	KF461177.1	CFSAN075-11	USA: Alabama	ND
11	KF461176.1	RODEO013-13	USA: Alabama	ND
12	KF929831.1	UKFBI791-08	Belize: Belize city, Fish Market	ND
13	GU702393.1	MFSP114-09	Brazil: Sao Paulo	[46]
14	GU702338.1	MFSP294-09	Brazil: Sao Paulo	[46]
15	GU702337.1	MFSP293-09	Brazil: Sao Paulo	[46]
16	JQ365344.1	MFSP2004-11	Brazil: Sao Paulo	[46]

	17	NC_005803.1	GBMTG438-16	ND	[6]
	18	AP004807.1	GBMNA14513-19	ND	[6]
	19	ND	MXV341-11	Mexico: Quintana Roo	ND
<i>Elops smithi</i>	01	HM389596.1	MFLIV524-09	USA: Ilhas Virgens	ND
	02	HM389585.1	MFLIV506-09	USA: Ilhas Virgens	ND
	03	HM389359.1	MFLIV129-09	Mexico: Quintana Roo	ND
	04	HM389332.1	MFLIV097-09	Mexico: Quintana Roo	ND
	05	MZ377007.1	GBMND66990-21	USA: Texas, Cedar Lakes	ND
	06	MZ377006.1	GBMND66989-21	USA: Texas, Lower Laguna Madre	ND
	07	MH883041.1	ANGBF55049-19	Brazil: Delta do Parnaiba	[47]
	08	ND	LIDM020-06	Panama: Kuna Yala	ND
	09	ND	MFLV813-11	Mexico: Quintana Roo	ND
	10	ND	MLIII033-08	Mexico: Quintana Roo	ND
<i>Elops</i> sp.	01	GU225599.1	MXII479-07 (<i>E. smithi</i>)	Mexico: Quintana Roo	[45]
	02	GU225598.1	MXII066-07 (<i>E. smihti</i>)	Mexico: Quintana Roo, Xcalak	[45]
	03	JQ841140.1	BZLWD642-09	Belize: Belize City Fishmarket	[48]

	04	JQ841139.1	BZLWD165-07	Belize: Stann Creek District, Dangriga	[48]
	05	JQ841886.1	FCCA056-09	USA: Florida, Brevard County	[48]
	06	JQ841885.1	FCCA054-09	USA: Florida, Brevard County	[48]
	07	JQ841533.1	BZLWE327-08	Belize: Stann Creek District, Dangriga	[48]
	08	JQ840042.1	BZLWA470-06	Belize: Stann Creek District, Dangriga	[48]
<i>Megalops atlanticus</i>	01	AP004808.1	ND	ND	[40]
	02	NC_005804	ND	ND	[40]
<i>Megalops cyprinoides</i>	01	AB051110.1	ND	ND	[40]
	02	NC_005799	ND	ND	[40]

ND – No data.

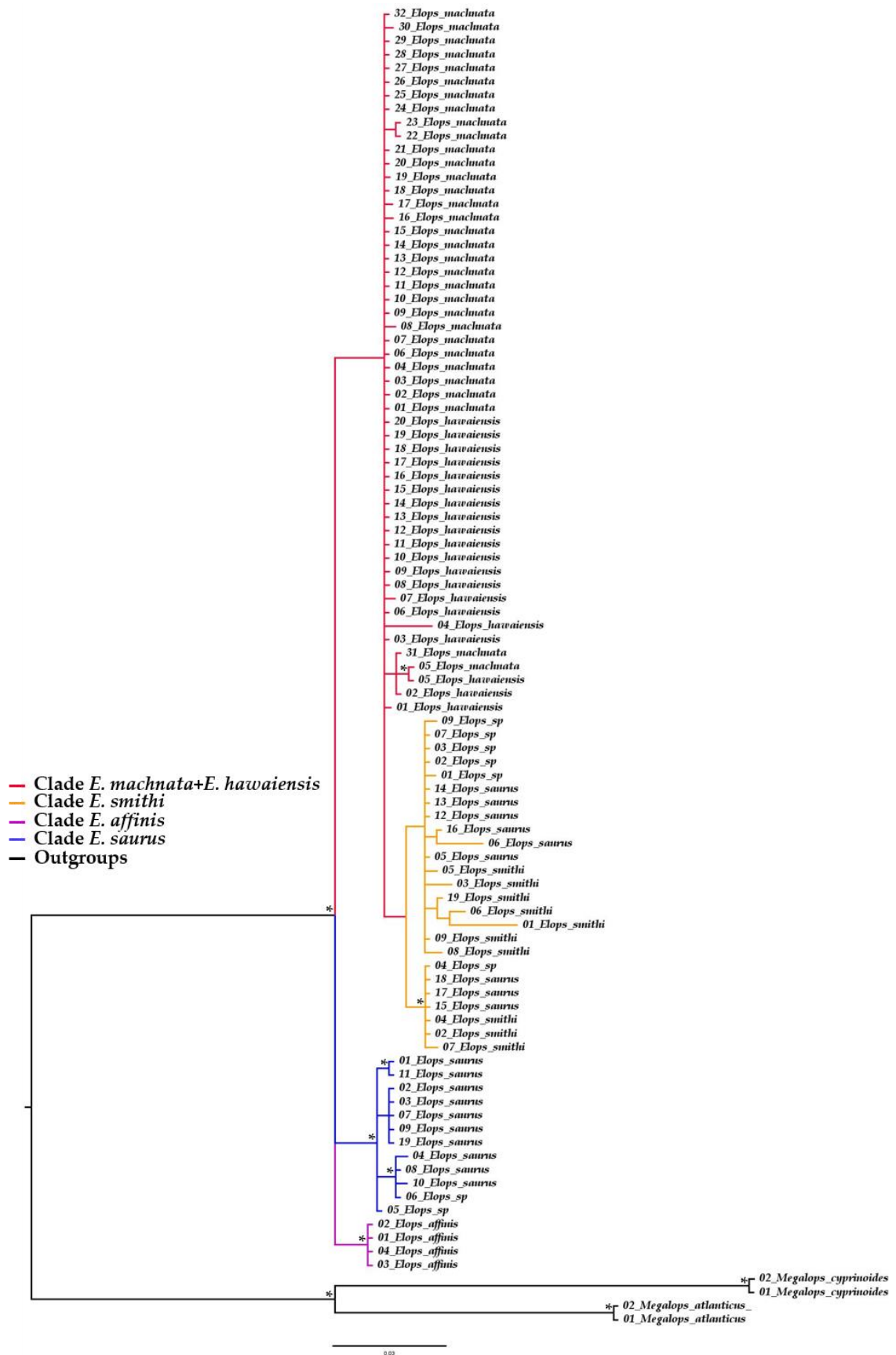


Figure S2. Bayesian inference tree representing the relationships of *Elops* species. Color codes in line represent the clades found in *Elops* species. Asterisks (*) at nodes indicate posterior probability > 0.9.