

Ecography

**ECOG-02589**

Gaboriau, T., Leprieur, F., Mouillot, D. and Hubert, N. 2017. Influence of the geography of speciation on current patterns of coral reef fish biodiversity across the Indo-Pacific. – Ecography doi: 10.1111/ecog.02589

**Supplementary material**

## Appendix.1

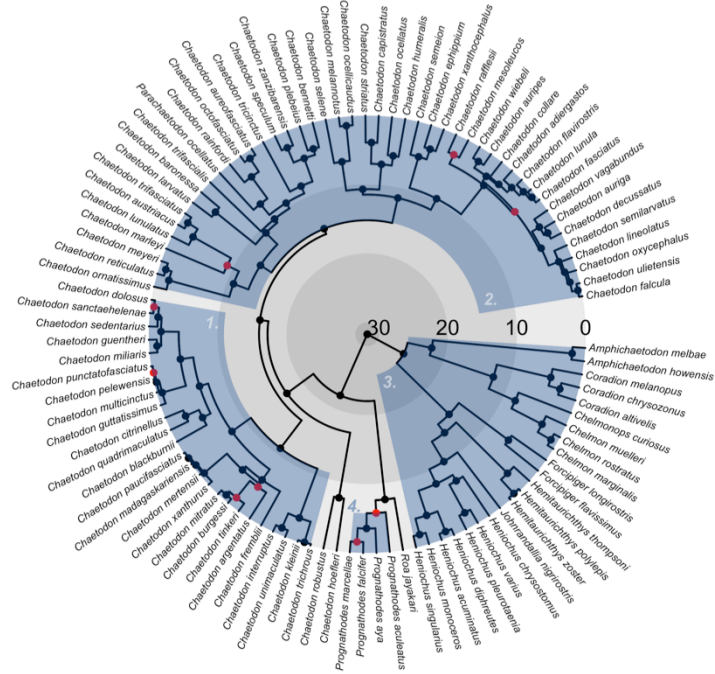
**Table A1.** Description of calibrations used in the estimation of divergence time for the Labridae, The prior distributions were placed on the mrca of the corresponding lineages

Family/MRCA	Fossil/biogeography	Age (My)	Distribution	Prior (5-95%)	Source publication
Root	K/T boundary	65	Normal	54.5–105.5	(Bellwood & Wainwright, 2002)
Hypsigenyines	<i>Phyllopharyngodon longipinnis</i>	50	Lognormal	51.5–63.1	(Bellwood, 1990)
Labridae(-hypsigenyines)	<i>Eocoris bloti</i> <i>Bellwoodilabrus landini</i>	50	Lognormal	51.5–63.1	(Bannikov & Sorbini, 1990)
<i>Pseudodax/Achoerodus</i>	<i>Trigondon jugleri</i>	14	Lognormal	15.1–44.0	(Bannikov & Carnevale, 2010)
<i>Calotomus/Sparisoma</i>	<i>Calotomus preisli</i>	14	Lognormal	15.1–44.0	(Bellwood & Schultz, 1991)
<i>Bolbometopon/Cetoscarus</i>	<i>Bolbometopon sp.</i>	5	Lognormal	6.1–11.1	(Bellwood & Schultz, 1991)
<i>Halichoeres dispilus/pictus</i>	Isthmus of Panama	3.1	Normal	3.5–10.5	(Barber & Bellwood, 2005)

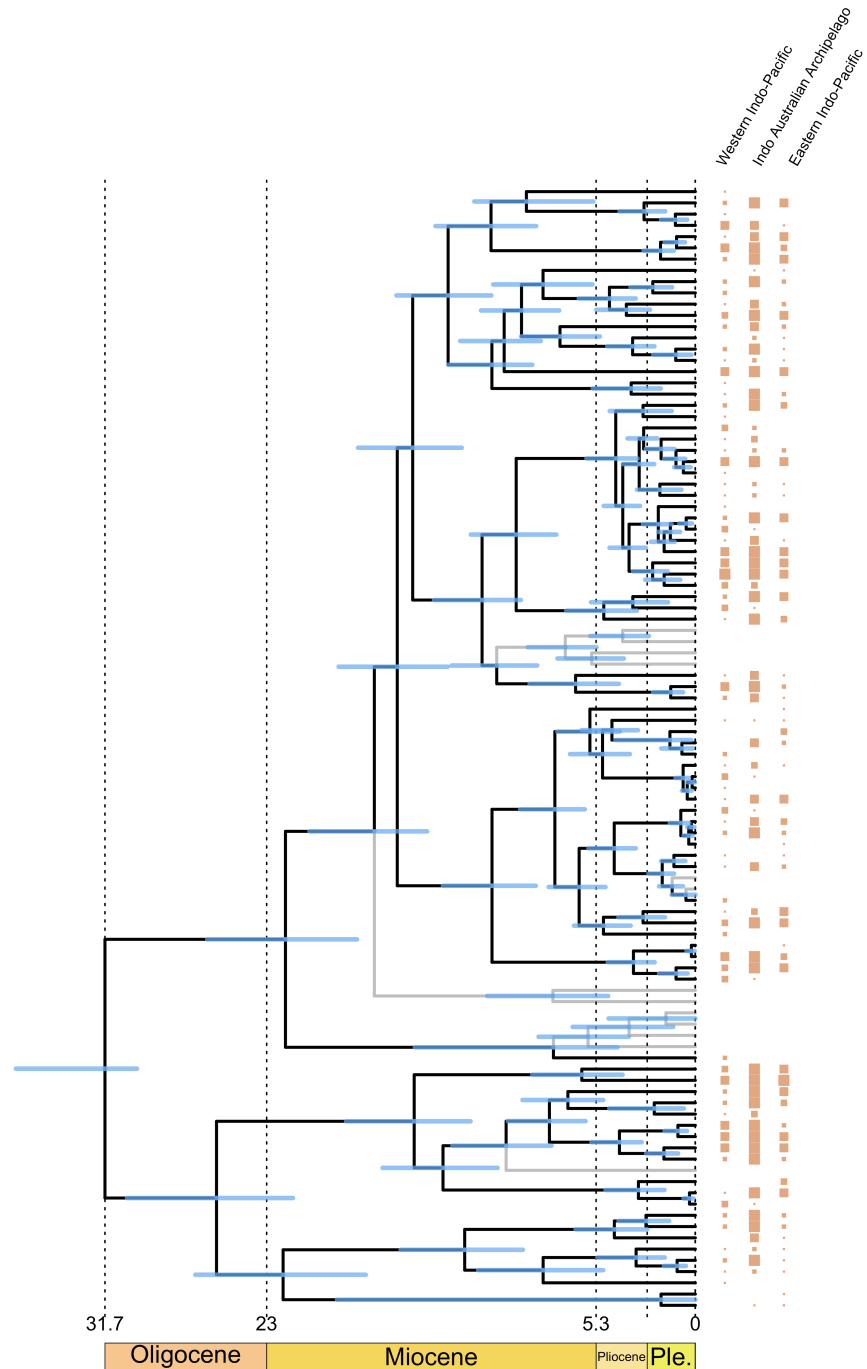
**Table A2.** Substitution models selected with Jmodeltest 2.1.6 (Darriba et al., 2012; Guindon et al., 2010) for each marker. The models were selected using the Bayesian Information Criterion and were used as independent substitution models in MCMC estimations

Cluster	Substitution Model		
	Labridae	Pomacentridae	Chaetodontidae
12S	TIM2+I+G	GTR+I+G	TVM+I+G
16S	GTR+I+G	TVM+G	TIM2+I+G
COI	TrN+I+G	TIM3+I+G	TrN+I+G
Cytb	GTR+I+G	GTR+I+G	TPM1+I+G
ETS2	/	/	K80+G
ND3	/	TIM3+I+G	/
RAG1	/	TIM1+I+G	/
RAG2	TIM2+I+G	K80+I+G	TIM1+I+G
ATP8/6	/	TIM2+I+G	/
TMO-4c4	TPM2+I+G	/	K80+G
S7	TPM1+I+G	TVM+G	HKY+G

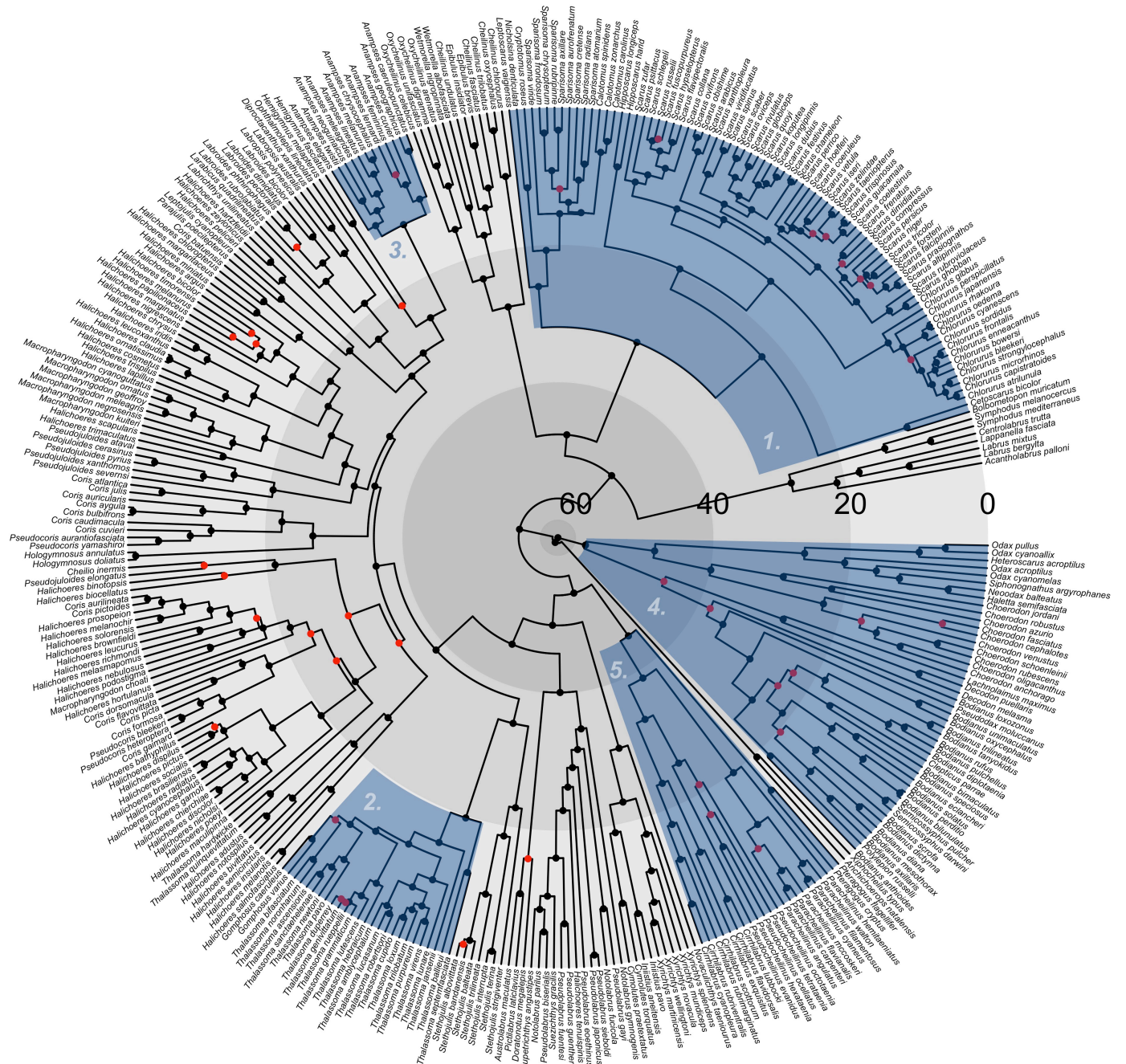
**Figure A1** . Radial cladogram of the family Chaetodontidae showing the posterior probabilities obtained for each node with the Bayesian inference: Red dots  $p < 0.5$ , Black dots  $p > 0.5$ . Concentric circles are placed every 10My. Highlighted clades: 1. Chaetodon Clade 1, 2. Chaetodon Clade 2, 3. Bannerfishes, 4. Prognathodes.



**Figure A2** . Chronograms of the family Chaetodontidae. Lineages in grey are lineages that are not present in the Indo-Pacific region. Orange squares facing each tip represent the degree of occupancy of each region (Western Indo-Pacific, Indo Australian Archipelago, Eastern Pacific) by the species. A big square indicates that the species is present in a high proportion of cells that compose the region while a small square indicates that the species is present in a low proportion of cells that compose the region. Blue bars indicates the 95% High Probability Density of the estimation of divergence time between sister clades. A geological timescale is also displayed below the chronogram (from left to right: Oligocene, Miocene, Pliocene, Pleistocene).

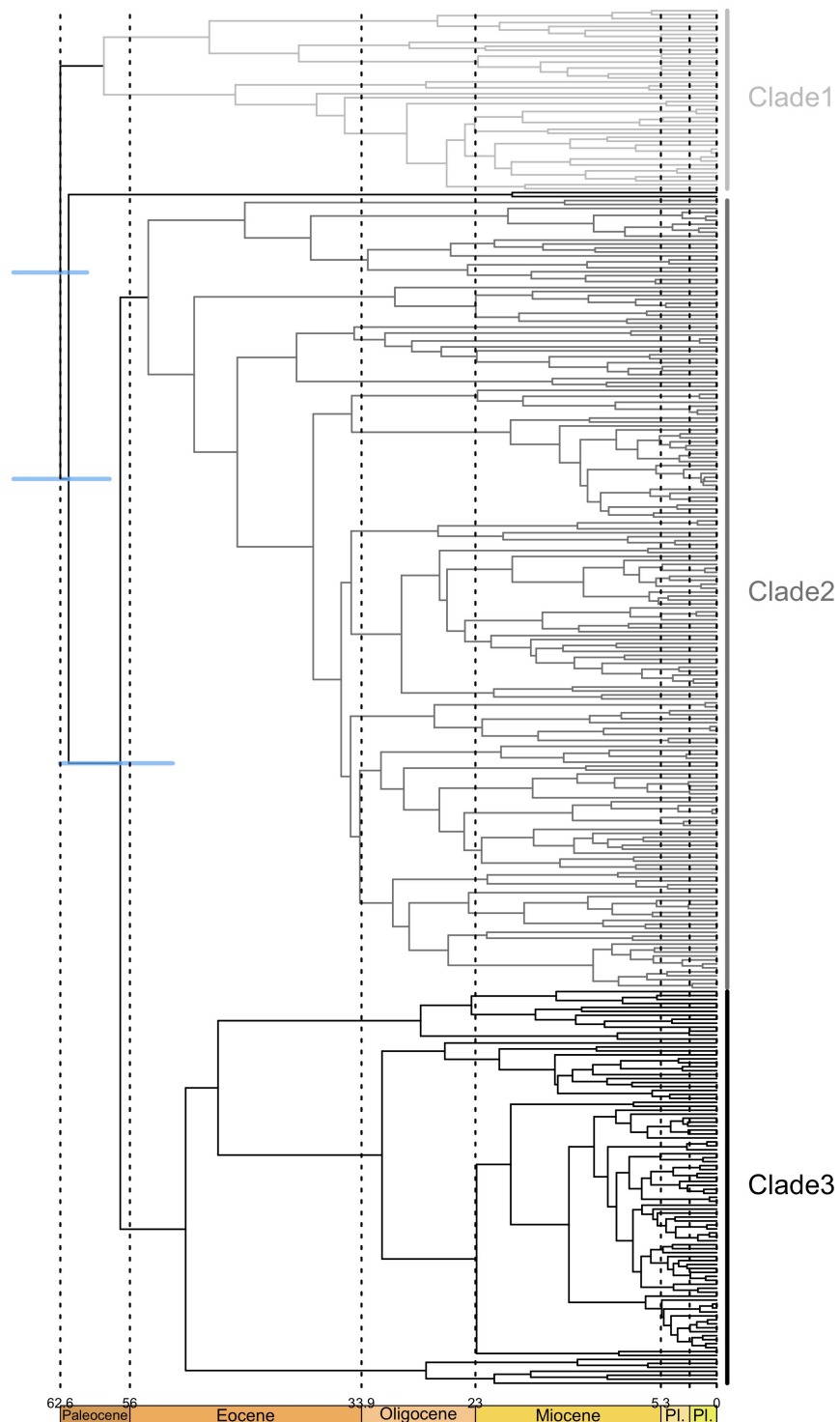


**Figure A3** . Radial cladogram of the family Labridae showing the posterior probabilities obtained for each node with the Bayesian inference: Red dots  $p < 0.5$ , Black dots  $p > 0.5$ . Concentric circles are placed every 20My. Highlighted clades: 1. Scarines, 2. Thalassoma, 3. Anampses, 4. Hypsigenyines, 5. Pseudocheilines. The green colour indicates that this clade was found in another position in previous reconstructions.

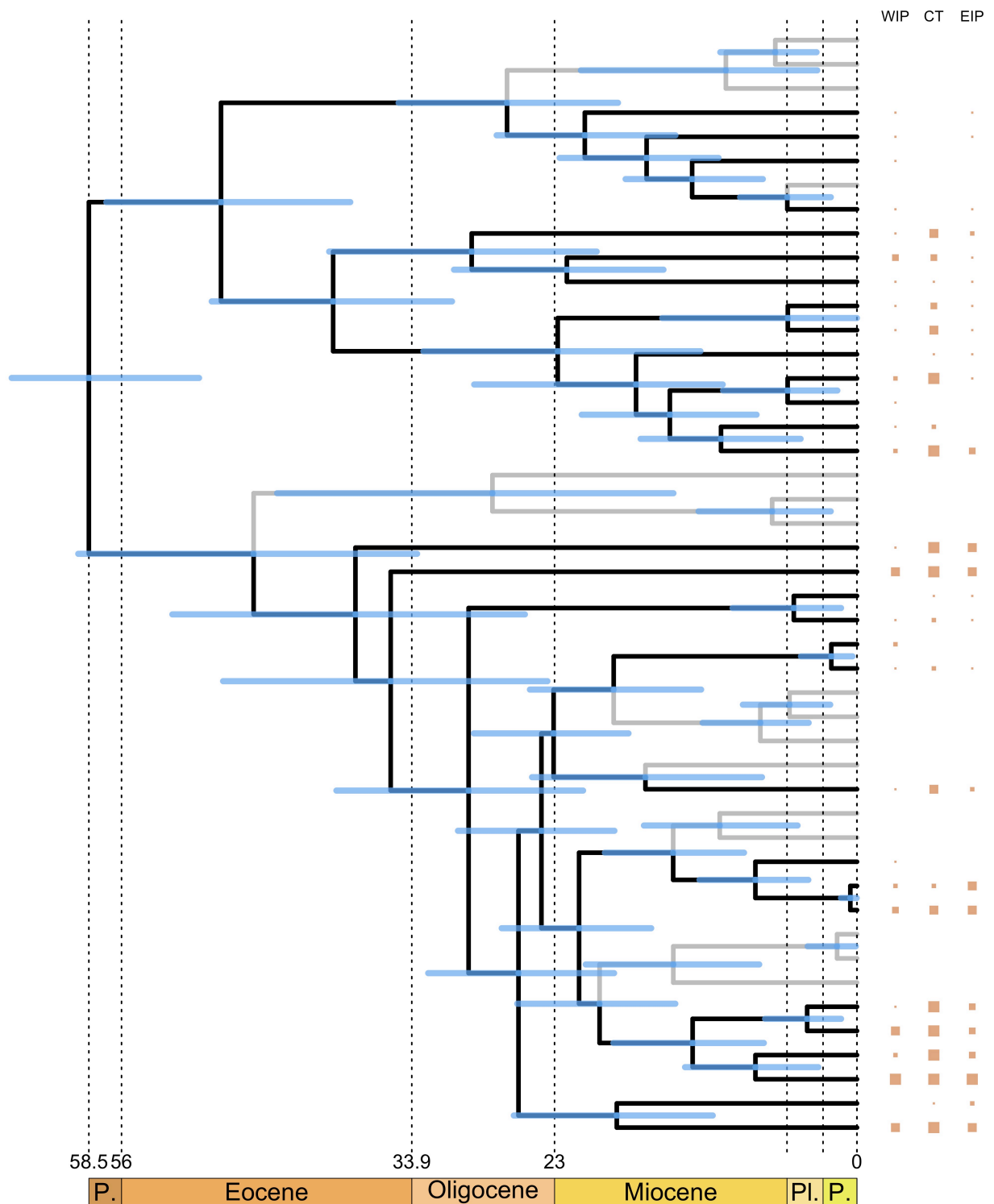


**Figure A4** . Chronograms of the family Labridae. **A.** Delineation of the chronogram in three main clades: Clade 1 contains the Hypsigenyines lineage; Clade 2 contains the Scarines, the Labrines, the Cheillines and the Pseudocheilines lineages; Clade 3 contains the Pseudolabrines, the Novaculines and the Julidines lineages. **B.** Chronograms of clades 1,2 and 3. Lineages in grey are lineages that are not present in the Indo-Pacific region. Orange squares facing each tip represent the degree of occupancy of each region (Western Indo-Pacific, Indo Australian Archipelago, Eastern Pacific) by the species. A big square indicates that the species is present in a high proportion of cells that compose the region while a small square indicates that the species is present in a low proportion of cells that compose the region. For each chronogram, blue bars indicates the 95% High Probability Density of the estimation of divergence time between sister clades.

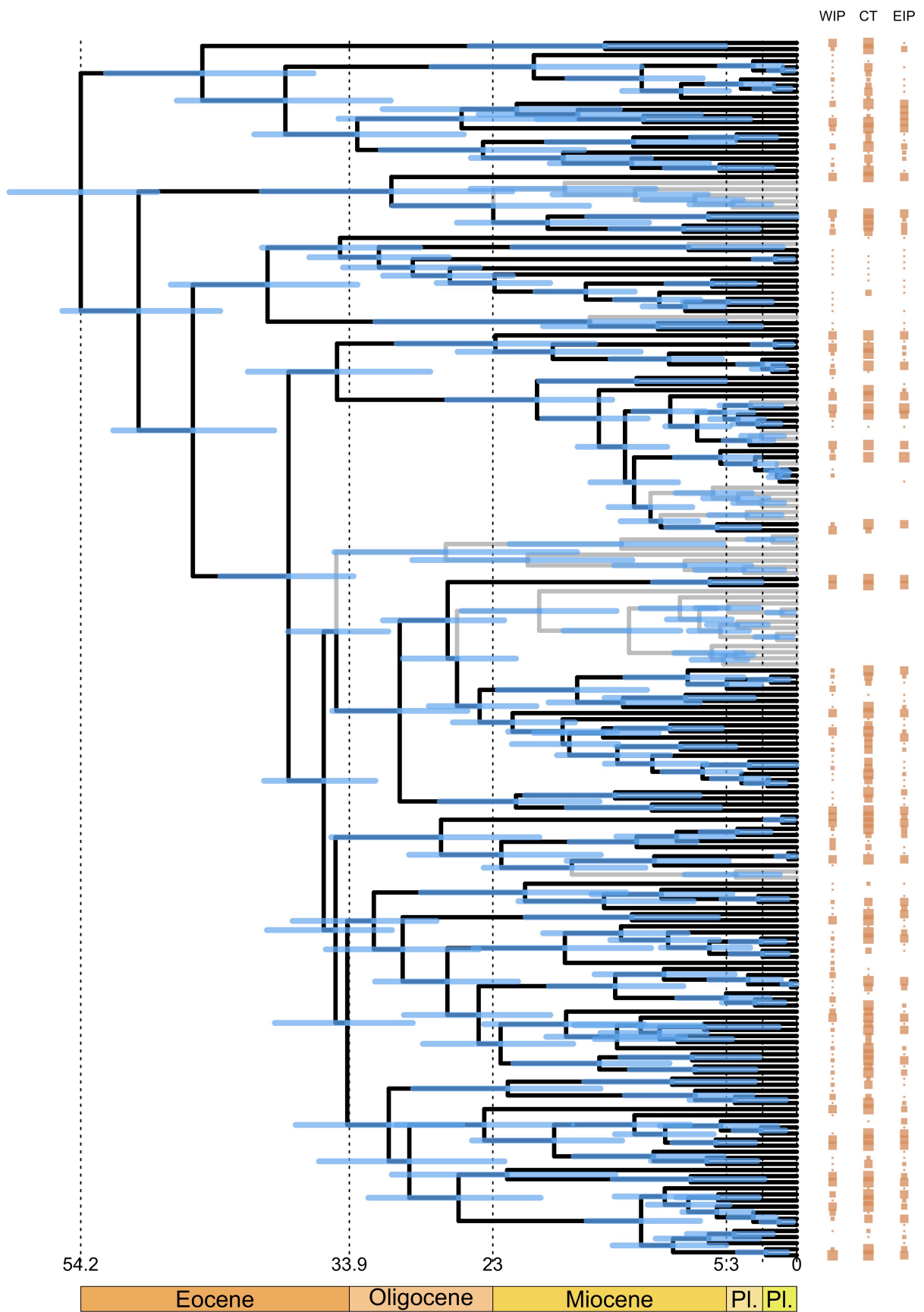
A



# B. Clade1

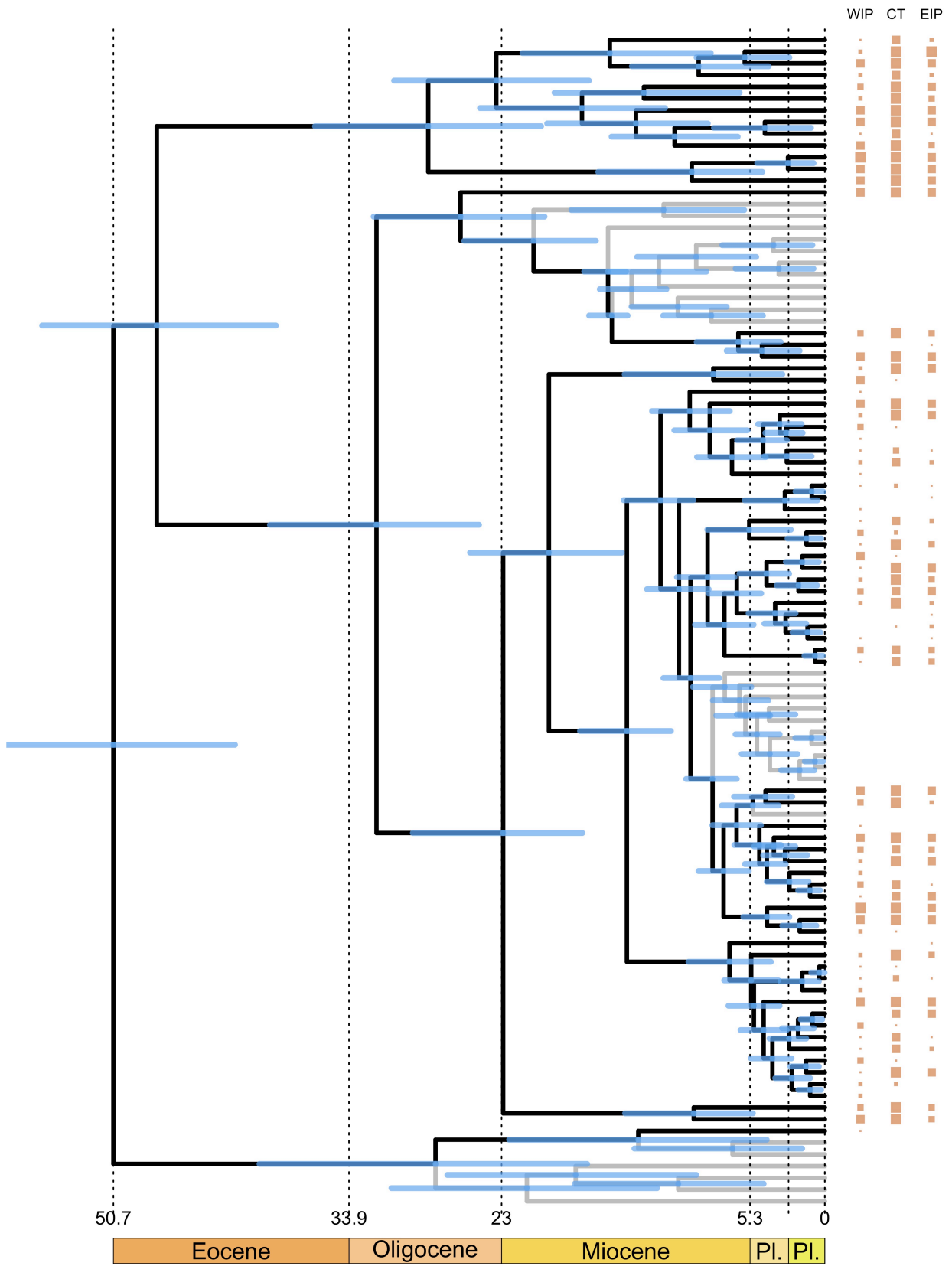


# Clade2

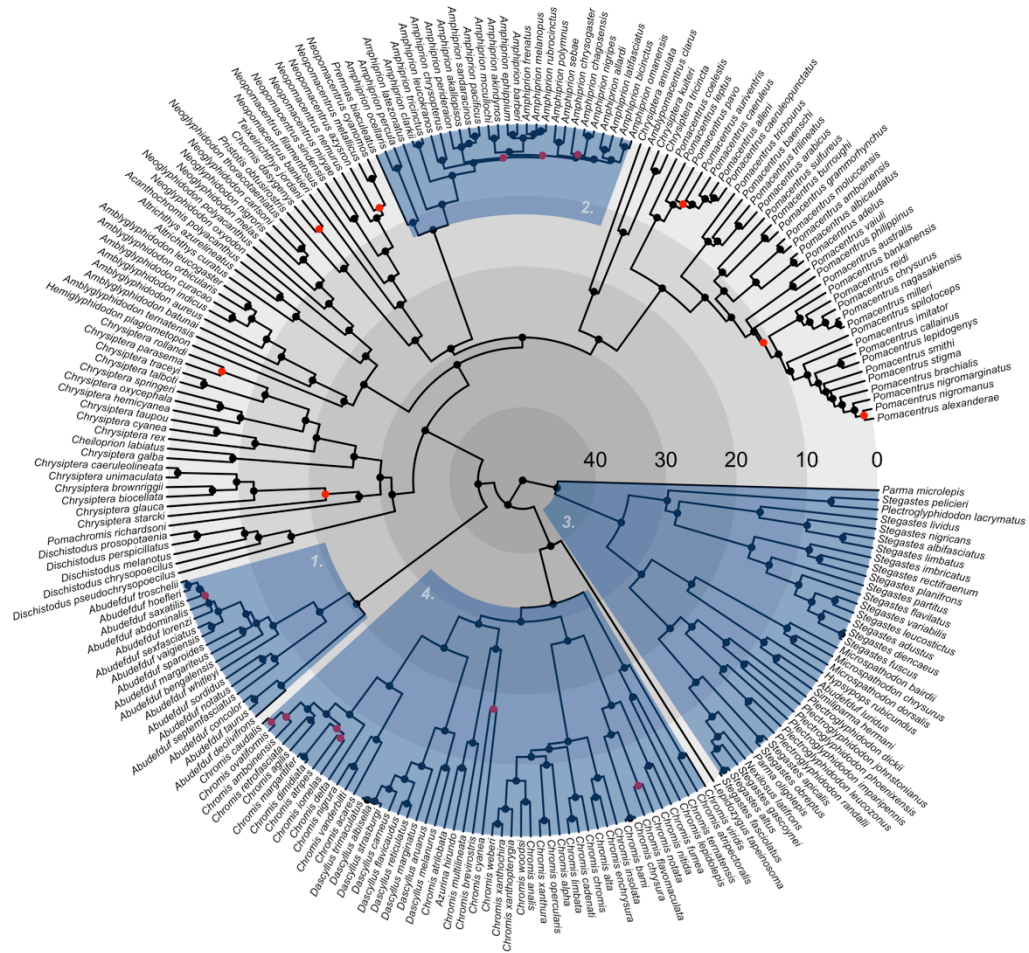




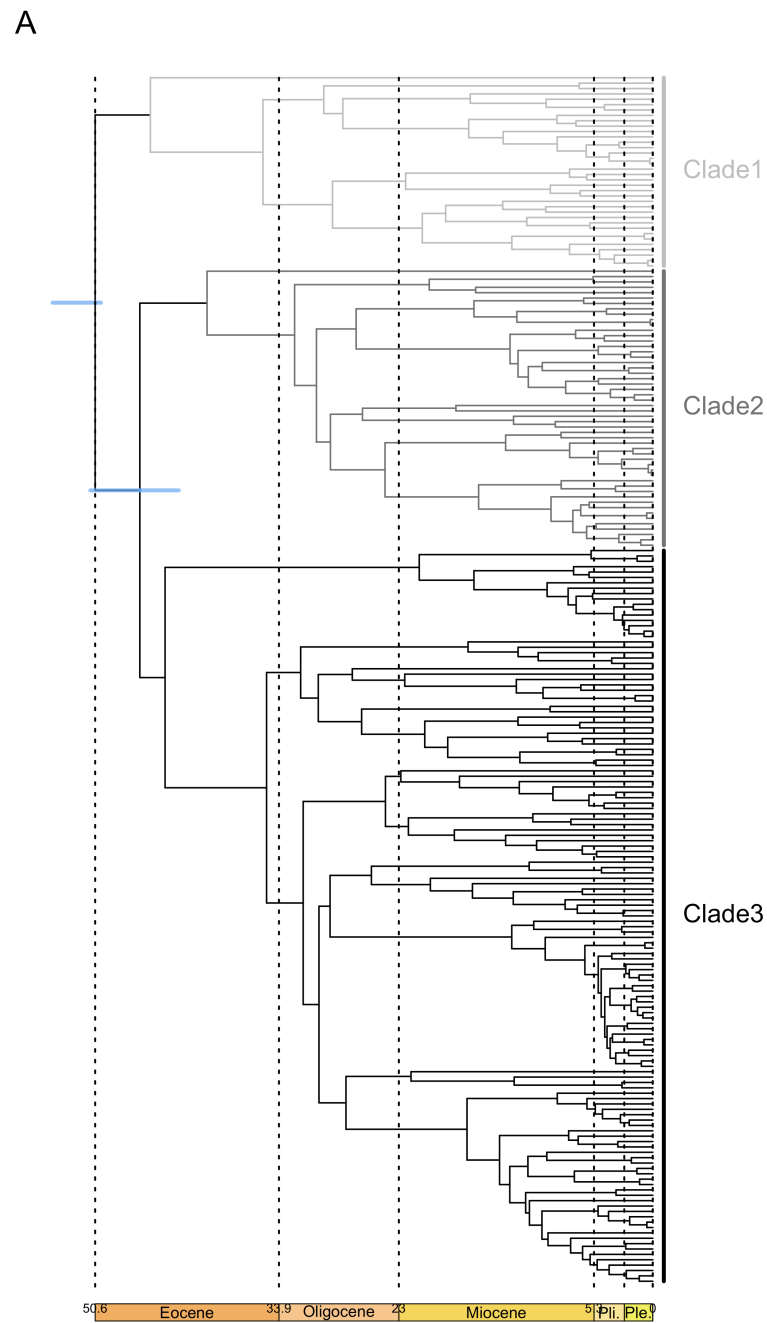
# Clade3



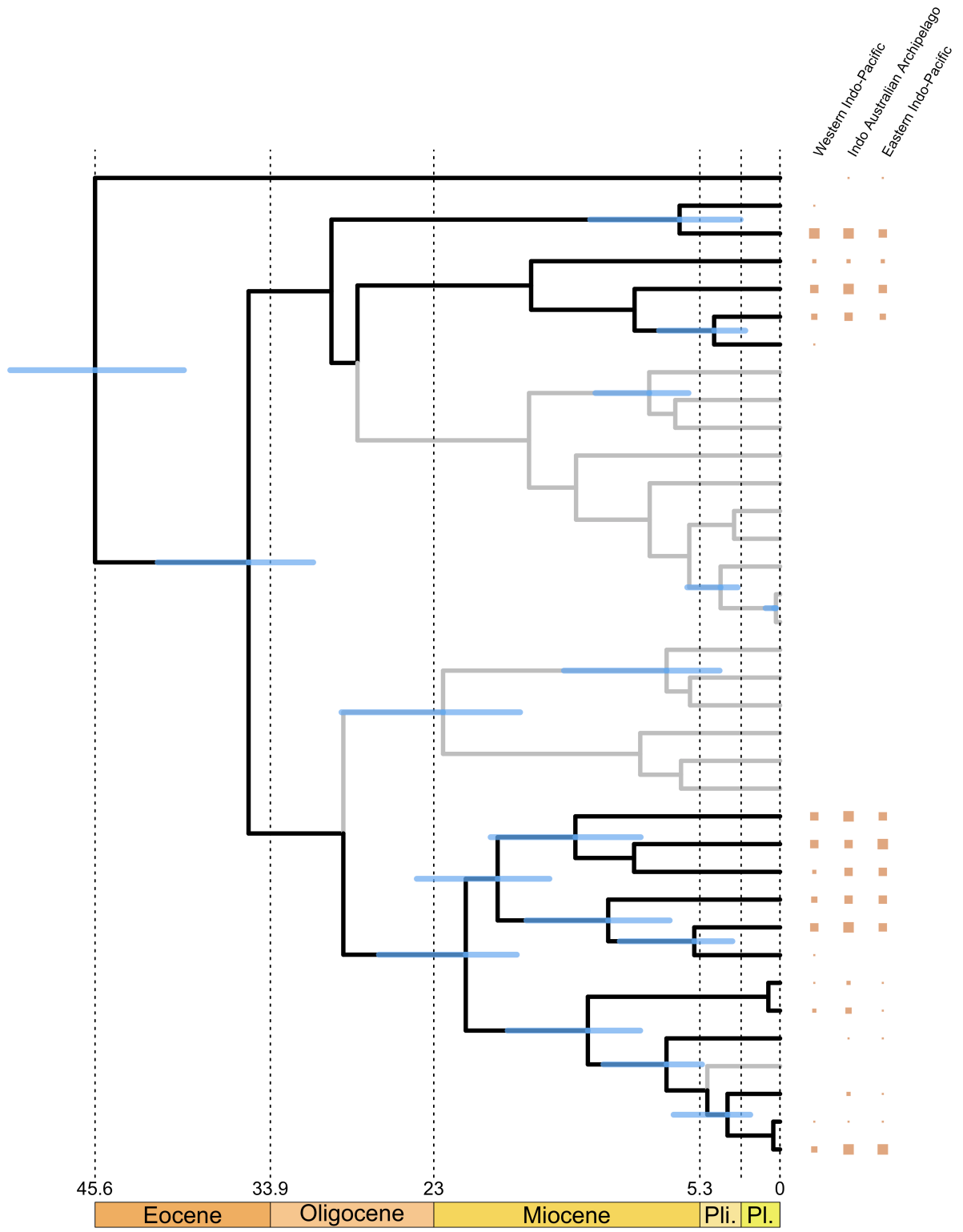
**Figure A5** . Radial cladogram of the family Pomacentridae showing the posterior probabilities obtained for each node with the Bayesian inference: Red dots  $p < 0.5$ , Black dots  $p > 0.5$ . Concentric circles are placed every 10My. Highlighted clades: 1. Abudefdufinae, 2. Amphiprioninae, 3. Stegastinae, 4. Chrominae.



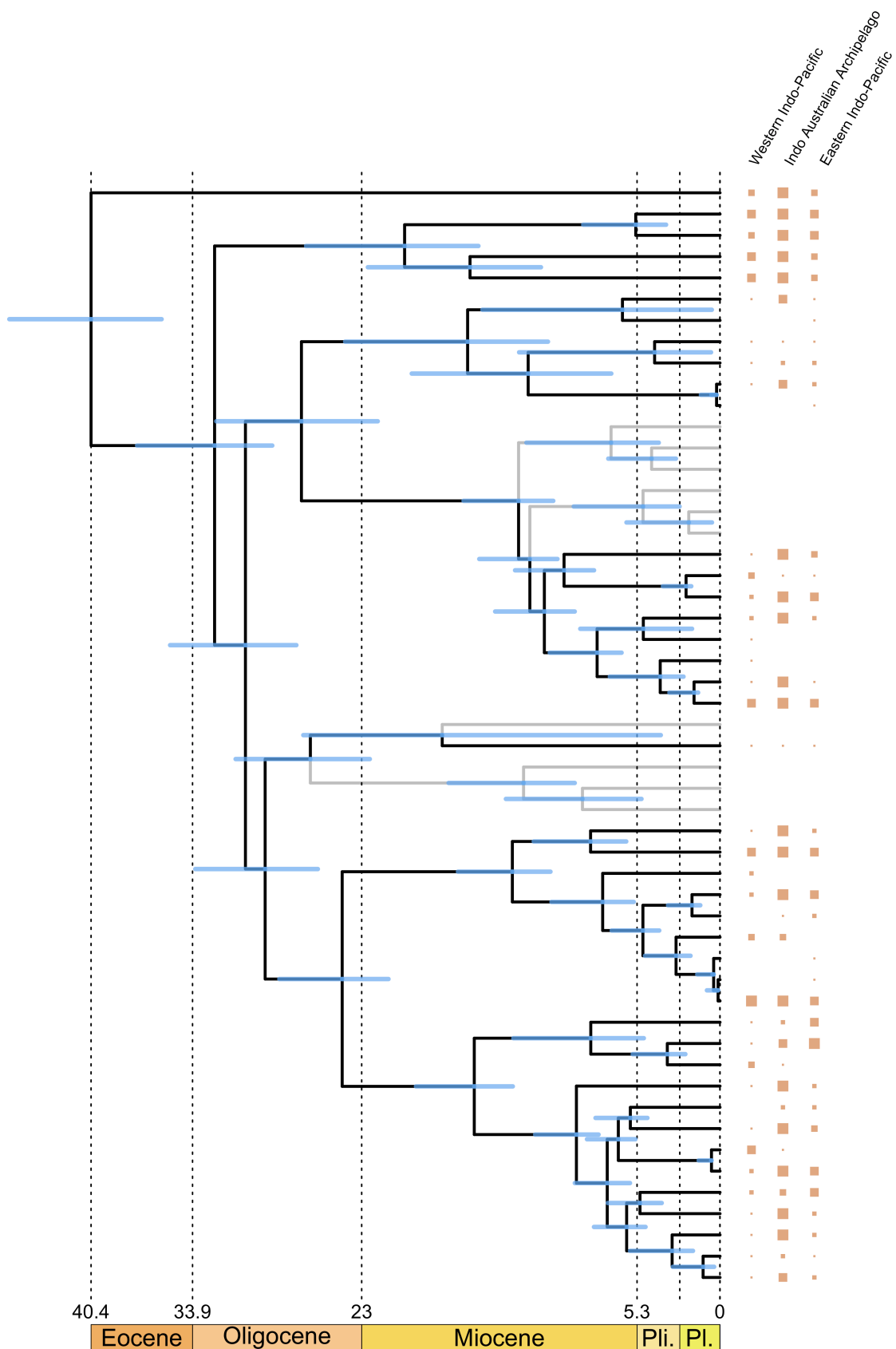
**Figure A6** . Chronograms of the family Pomacentridae. **A.** Delineation of the chronogram in three main clades: Clade 1 contains the Stegastinae lineage; Clade 2 contains the Chrominae lineage; Clade 3 contains the Dischitodus, the Chrysiptera (Polyphyletic), the Pomacentrus, the Neopomacentrus and the Amphiprioninae lineages **B.** Chronograms of clades 1,2 and 3. Lineages in grey are lineages that are not present in the Indo-Pacific region. Orange squares facing each tip represent the degree of occupancy of each region (Western Indo-Pacific, Indo Australian Archipelago, Eastern Pacific) by the species. A big square indicates that the species is present in a high proportion of cells that compose the region while a small square indicates that the species is present in a low proportion of cells that compose the region.



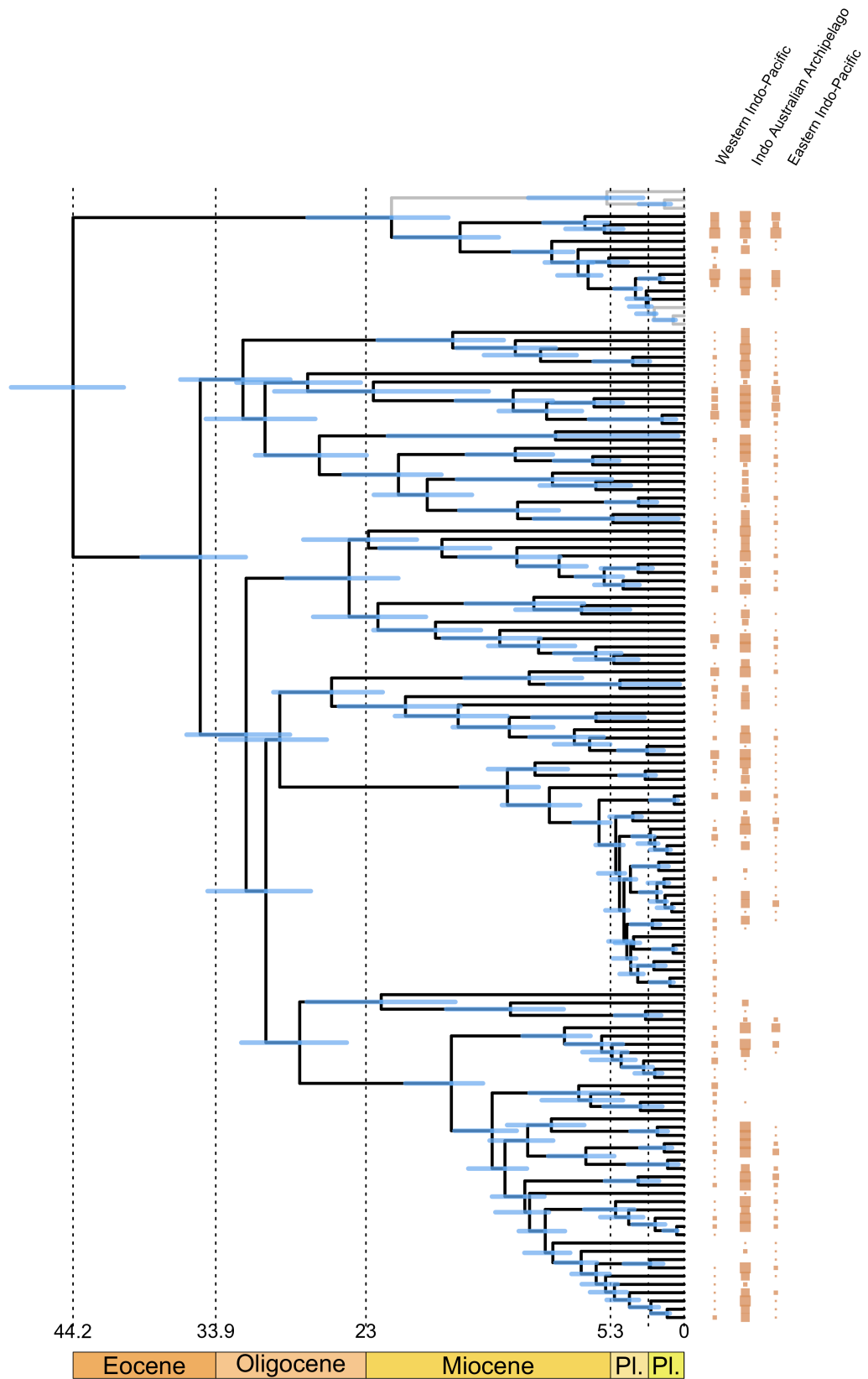
B. Clade1



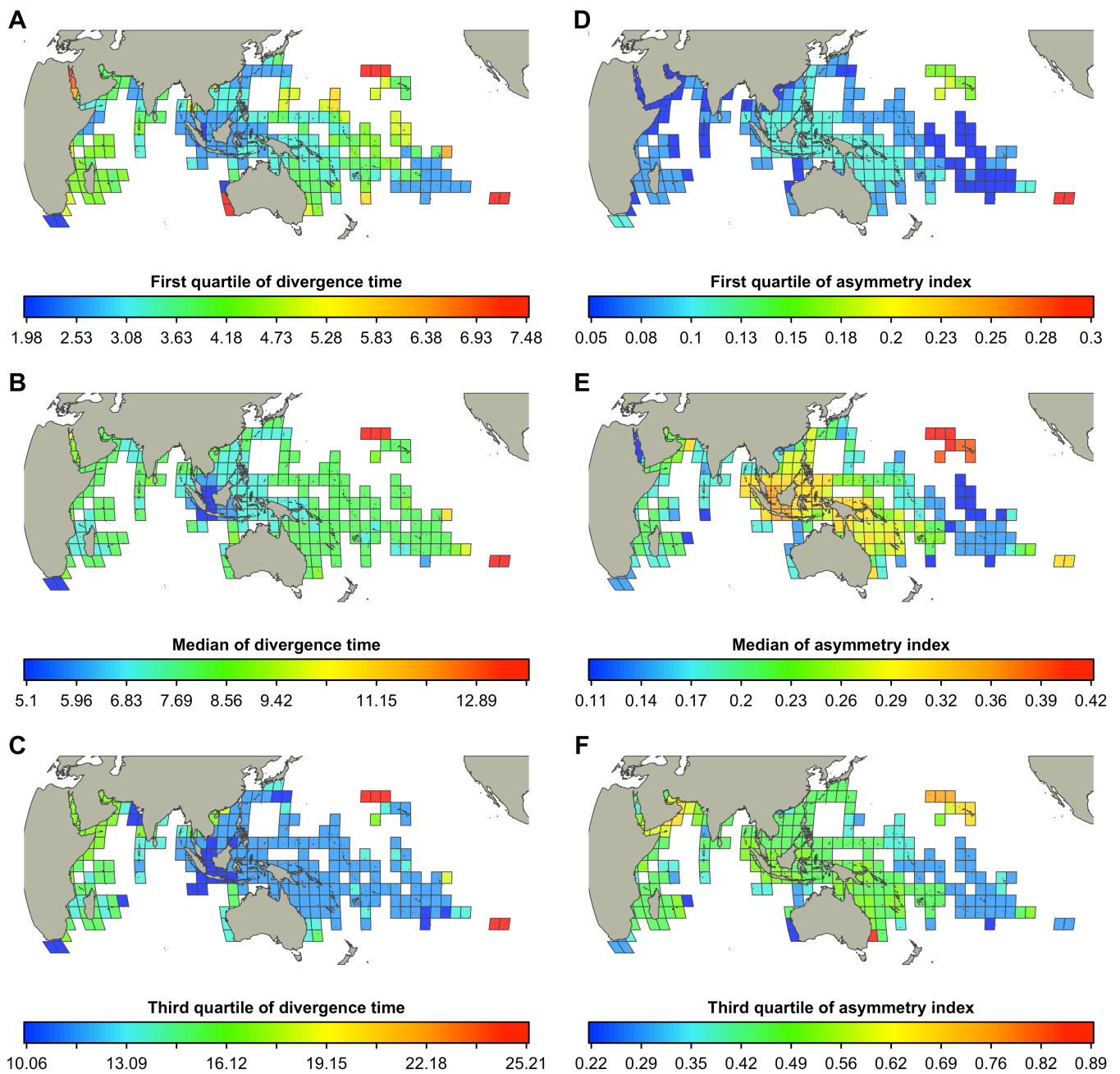
# Clade2

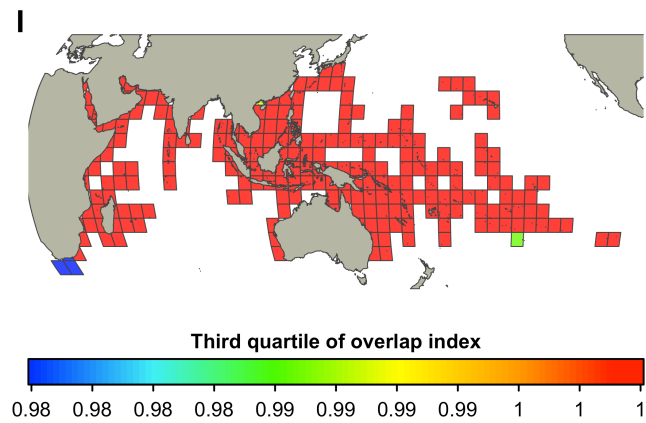
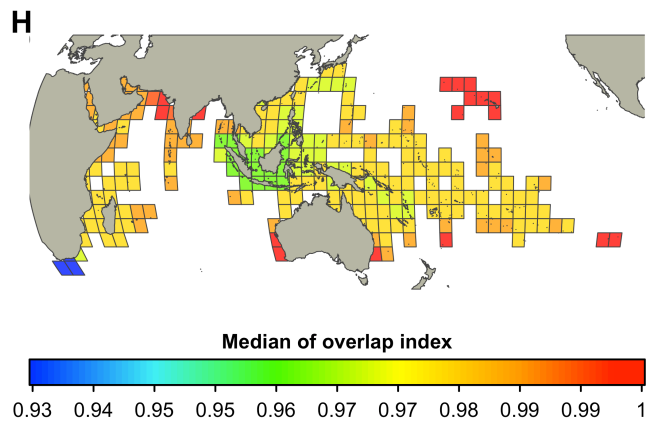
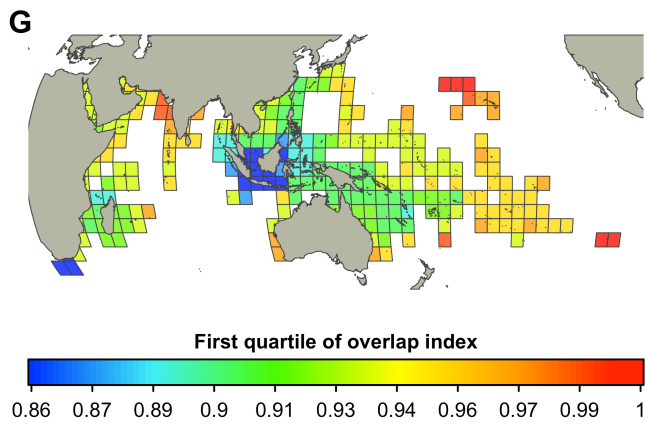


# Clade3



**Figure A8.** Distribution of divergence time, asymmetry index and overlap index. For each cell statistics are calculated on the couples of sister clades co-occurring in the cell.







**Table A3** . Results of testing differences between the IAA and peripheral areas (Wilcoxon rank sum test), with truncated datasets (*i.e.* without sister lineages that belong to a genus with less than 75% of taxonomic coverage).

Parameter	H0	p-value		
		Labridae	Pomacentridae	Chaetodontidae
Number of co-occurrence	IAA < Peripheral areas	< 2.2e-16	< 2.2e-16	< 2.2e-16
Mean overlap index	IAA > Peripheral areas	1.41e-3	0.49	3.29e-4
Mean Divergence time	IAA > Peripheral areas	0.21	0.99	0.02
Mean asymmetry index	IAA < Peripheral areas	0.01	1.65e-11	2.53e-10

2.

Table 1. Genbank accession numbers for the sequences used in the phylogenetic reconstruction. Species in grey are the species for which we didn't find any suitable sequence to use.

Family	Species	12S	16S	CO1	Cytb	RAG2	ETS2	S7	tmo4c4
Chaetodontidae	<i>Amphichaetodon howensis</i>	x	x	x	FJ167682.1	x	FJ167730.1	FJ167793.1	x
	<i>Amphichaetodon melbae</i>	EF616820.1	EF616904.1	x	x	EF617068.1	x	x	EF617151.1
	<i>Chaetodon adiergastos</i>	EF616859.1	EF616942.1	x	x	EF617107.1	x	x	EF617190.1
	<i>Chaetodon andamanensis</i>	x	x	x	x	x	x	x	x
	<i>Chaetodon argentatus</i>	AF108505.1	x	FJ583018.1	AF108580.1	x	FJ167731.1	FJ167794.1	x
	<i>Chaetodon assarius</i>	x	x	x	x	x	x	x	x
	<i>Chaetodon aureofasciatus</i>	AF108506.1	x	x	FJ167683.1	x	FJ167732.1	FJ167795.1	x
	<i>Chaetodon auriga</i>	EF616860.1	EF616943.1	FJ237683.1	JF457933.1	EF617108.1	x	x	EF617191.1
	<i>Chaetodon auripes</i>	AP006004.1	AP006004.1	FJ237687.1	FJ167684.1	x	FJ167733.1	FJ167796.1	x
	<i>Chaetodon austriacus</i>	EF616826.1	EF616910.1	x	AF108583.1	EF617074.1	x	x	EF617157.1
	<i>Chaetodon baronessa</i>	EF616874.1	EF616957.1	KF929708.1	FJ167685.1	EF617122.1	FJ167734.1	FJ167797.1	EF617205.1
	<i>Chaetodon bennetti</i>	EF616827.1	EF616911.1	JF434766.1	JF457936.1	EF617075.1	FJ167735.1	FJ167798.1	EF617158.1
	<i>Chaetodon blackburnii</i>	x	JF457268.1	JF434769.1	JF457937.1	x	FJ167736.1	FJ167799.1	x
	<i>Chaetodon burgessi</i>	EF616851.1	EF616934.1	FJ583031.1	x	EF617099.1	x	x	EF617182.1
	<i>Chaetodon capistratus</i>	EF616830.1	EF616914.1	FJ583035.1	FJ167688.1	EF617078.1	FJ167737.1	FJ167800.1	EF617161.1
	<i>Chaetodon citrinellus</i>	EF616867.1	EF616950.1	JF434772.1	JF457940.1	EF617115.1	x	FJ167801.1	EF617198.1
	<i>Chaetodon collare</i>	EF616840.1	EF616924.1	FJ237557.1	FJ167689.1	EF617088.1	FJ167738.1	FJ167802.1	EF617171.1
	<i>Chaetodon daedalma</i>	x	x	x	x	x	x	x	x
	<i>Chaetodon declivis</i>	x	x	x	x	x	x	x	x
	<i>Chaetodon decussatus</i>	AF108512.1	x	FJ237564.1	AF108587.1	x	x	x	x
	<i>Chaetodon dialeucos</i>	x	x	x	x	x	x	x	x
	<i>Chaetodon dolosus</i>	EF616855.1	EF616938.1	JF493091.1	x	EF617103.1	x	x	EF617186.1

<i>Chaetodon ephippium</i>	EF616842.1	EF616926.1	FJ583051.1	FJ167690.1	EF617090.1	FJ167739.1	FJ167803.1	EF617173.1
<i>Chaetodon falcata</i>	EF616835.1	EF616919.1	JF434775.1	JF457943.1	EF617083.1	x	x	EF617166.1
<i>Chaetodon fasciatus</i>	EF616857.1	EF616940.1	x	x	EF617105.1	x	x	EF617188.1
<i>Chaetodon flavirostris</i>	AF108514.1	x	FJ583053.1	AF108589.1	x	x	x	x
<i>Chaetodon flavocoronatus</i>	x	x	x	x	x	x	x	x
<i>Chaetodon fremblii</i>	EF616841.1	EF616925.1	x	FJ167691.1	EF617089.1	FJ167740.1	FJ167804.1	EF617172.1
<i>Chaetodon gardineri</i>	x	x	x	x	x	x	x	x
<i>Chaetodon guentheri</i>	EF616868.1	EF616951.1	x	x	EF617116.1	x	x	EF617199.1
<i>Chaetodon guttatisimus</i>	AF108515.1	JF457277.1	JF434779.1	AF108590.1	x	x	x	x
<i>Chaetodon hemichrysus</i>	x	x	x	x	x	x	x	x
<i>Chaetodon hoeffleri</i>	EF616824.1	EF616908.1	x	x	EF617072.1	x	x	EF617155.1
<i>Chaetodon humeralis</i>	x	HM778172.1	x	FJ167692.1	x	FJ167741.1	FJ167805.1	x
<i>Chaetodon interruptus</i>	x	x	x	FJ167693.1	x	FJ167742.1	FJ167806.1	x
<i>Chaetodon kleinii</i>	EF616825.1	EF616909.1	JF434783.1	JF457953.1	EF617073.1	FJ167743.1	FJ167807.1	EF617156.1
<i>Chaetodon larvatus</i>	EF616847.1	EF616930.1	x	AF108592.1	EF617095.1	x	x	EF617178.1
<i>Chaetodon leucopleura</i>	x	x	x	x	x	x	x	x
<i>Chaetodon lineolatus</i>	EF616856.1	EF616939.1	KF489525.1	AF108593.1	EF617104.1	FJ167744.1	FJ167808.1	EF617187.1
<i>Chaetodon litus</i>	x	x	x	x	x	x	x	x
<i>Chaetodon lunula</i>	EF616861.1	EF616944.1	FJ583055.1	AF108594.1	EF617109.1	FJ167745.1	FJ167809.1	EF617192.1
<i>Chaetodon lunulatus</i>	AJ748307.1	JF457293.1	JF434793.1	JF457960.1	x	FJ167746.1	FJ167810.1	x
<i>Chaetodon madagaskariensis</i>	AJ748308.1	x	JF493099.1	AJ748299.1	x	x	x	x
<i>Chaetodon marleyi</i>	x	x	JF493100.1	x	x	x	x	x
<i>Chaetodon melannotus</i>	EF616862.1	EF616945.1	JF434800.1	JF457967.1	EF617110.1	FJ167747.1	FJ167811.1	EF617193.1
<i>Chaetodon melapterus</i>	x	x	x	x	x	x	x	x
<i>Chaetodon mertensii</i>	EF616875.1	EF616958.1	JF434802.1	JF457969.1	EF617123.1	x	x	EF617206.1
<i>Chaetodon mesoleucus</i>	AF108521.1	x	x	AF108596.1	x	x	x	x
<i>Chaetodon meyeri</i>	EF616853.1	EF616936.1	JF434804.1	JF457970.1	EF617101.1	FJ167748.1	FJ167812.1	EF617184.1
<i>Chaetodon miliaris</i>	EF616834.1	EF616918.1	x	FJ167696.1	EF617082.1	FJ167749.1	FJ167813.1	EF617165.1
<i>Chaetodon mitratus</i>	x	x	JF493105.1	x	x	x	x	x
<i>Chaetodon multicingtus</i>	EF616838.1	EF616922.1	FJ583067.1	FJ167697.1	EF617086.1	FJ167750.1	FJ167814.1	EF617169.1

<i>Chaetodon nigropunctatus</i>	x	x	x	x	x	x	x	x
<i>Chaetodon nippon</i>	x	x	x	x	x	x	x	x
<i>Chaetodon ocellatus</i>	EF616850.1	EF616933.1	FJ583068.1	FJ167698.1	EF617098.1	FJ167751.1	FJ167815.1	EF617181.1
<i>Chaetodon ocellicaudus</i>	EF616863.1	EF616946.1	FJ583069.1	AF108598.1	EF617111.1	x	x	EF617194.1
<i>Chaetodon octofasciatus</i>	EF616869.1	EF616952.1	x	AF108599.1	EF617117.1	x	x	EF617200.1
<i>Chaetodon ornatissimus</i>	EF616870.1	EF616953.1	JF434807.1	JF457974.1	EF617118.1	FJ167752.1	FJ167816.1	EF617201.1
<i>Chaetodon oxycephalus</i>	EF616845.1	EF616929.1	x	AF108601.1	EF617093.1	x	x	EF617176.1
<i>Chaetodon paucifasciatus</i>	EF616854.1	EF616937.1	x	AJ748300.1	EF617102.1	x	x	EF617185.1
<i>Chaetodon pelewensis</i>	EF616849.1	EF616932.1	JF434809.1	JF457976.1	EF617097.1	x	x	EF617180.1
<i>Chaetodon plebeius</i>	EF616846.1	x	x	AF108602.1	EF617094.1	FJ167753.1	FJ167817.1	EF617177.1
<i>Chaetodon punctatofasciatus</i>	EF616848.1	EF616931.1	FJ583072.1	AF108603.1	EF617096.1	x	x	EF617179.1
<i>Chaetodon quadrimaculatus</i>	EF616839.1	EF616923.1	FJ583075.1	JF457978.1	EF617087.1	FJ167754.1	FJ167818.1	EF617170.1
<i>Chaetodon rafflesii</i>	EF616864.1	EF616947.1	FJ583082.1	AF108604.1	EF617112.1	x	x	EF617195.1
<i>Chaetodon rainfordi</i>	EF616852.1	EF616935.1	x	FJ167699.1	EF617100.1	FJ167755.1	FJ167819.1	EF617183.1
<i>Chaetodon reticulatus</i>	EF616832.1	EF616916.1	JF434813.1	JF457979.1	EF617080.1	FJ167756.1	FJ167820.1	EF617163.1
<i>Chaetodon robustus</i>	EF616837.1	EF616921.1	x	FJ167701.1	EF617085.1	FJ167757.1	FJ167821.1	EF617168.1
<i>Chaetodon sanctaehelenae</i>	x	x	x	FJ167702.1	x	FJ167758.1	FJ167822.1	x
<i>Chaetodon sedentarius</i>	EF616828.1	EF616912.1	x	FJ167703.1	EF617076.1	FJ167759.1	FJ167823.1	EF617159.1
<i>Chaetodon selene</i>	EF616865.1	EF616948.1	x	x	EF617113.1	x	x	EF617196.1
<i>Chaetodon semeion</i>	EF616829.1	EF616913.1	FJ583083.1	x	EF617077.1	x	x	EF617160.1
<i>Chaetodon semilarvatus</i>	EF616836.1	EF095591.1	x	AJ748305.1	EF617084.1	x	x	EF617167.1
<i>Chaetodon smithi</i>	x	x	x	x	x	x	x	x
<i>Chaetodon speculum</i>	EF616833.1	EF616917.1	FJ583084.1	AF108606.1	EF617081.1	x	x	EF617164.1
<i>Chaetodon striatus</i>	EF616831.1	EF616915.1	FJ583088.1	FJ167704.1	EF617079.1	FJ167760.1	FJ167824.1	EF617162.1
<i>Chaetodon tinkeri</i>	x	x	x	FJ167705.1	x	FJ167761.1	FJ167825.1	x
<i>Chaetodon triangulum</i>	x	x	x	x	x	x	x	x
<i>Chaetodon trichrous</i>	AJ748312.1	JF457314.1	JF434815.1	JF457981.1	x	x	x	x
<i>Chaetodon tricinctus</i>	x	x	x	FJ167706.1	x	FJ167762.1	FJ167826.1	x
<i>Chaetodon trifascialis</i>	EF616843.1	EF616927.1	JF434818.1	FJ167707.1	EF617091.1	FJ167763.1	FJ167827.1	EF617174.1
<i>Chaetodon trifasciatus</i>	EF616871.1	EF616954.1	FJ237609.1	JF457994.1	EF617119.1	FJ167764.1	FJ167828.1	EF617202.1

<i>Chaetodon ulietensis</i>	EF616844.1	EF616928.1	JF434832.1	JF457999.1	EF617092.1	FJ167765.1	FJ167829.1	EF617175.1
<i>Chaetodon unimaculatus</i>	EF616872.1	EF616955.1	JF434836.1	JF458001.1	EF617120.1	FJ167766.1	FJ167830.1	EF617203.1
<i>Chaetodon vagabundus</i>	EF616866.1	EF616949.1	FJ583103.1	JF458006.1	EF617114.1	x	x	EF617197.1
<i>Chaetodon wiebeli</i>	x	x	FJ237698.1	x	x	x	x	x
<i>Chaetodon xanthocephalus</i>	x	x	JF493107.1	x	x	x	x	x
<i>Chaetodon xanthurus</i>	EF616873.1	EF616956.1	FJ583114.1	JF458011.1	EF617121.1	x	x	EF617204.1
<i>Chaetodon zanzibarensis</i>	EF616858.1	EF616941.1	JF434846.1	JF458013.1	EF617106.1	x	x	EF617189.1
<i>Chelmon marginalis</i>	EF616877.1	EF616960.1	x	FJ167711.1	EF617125.1	FJ167767.1	FJ167831.1	EF617208.1
<i>Chelmon muelleri</i>	x	x	x	FJ167712.1	x	FJ167768.1	FJ167832.1	x
<i>Chelmon rostratus</i>	EF616876.1	EF616959.1	FJ583131.1	AF108612.1	EF617124.1	FJ167769.1	FJ167833.1	EF617207.1
<i>Chelmonops curiosus</i>	x	x	x	FJ167713.1	x	FJ167770.1	FJ167834.1	x
<i>Coradion altivelis</i>	AF108538.1	x	x	AF108613.1	x	FJ167772.1	FJ167836.1	x
<i>Coradion chrysozonus</i>	EF616880.1	EF616963.1	x	AF108614.1	EF617128.1	FJ167773.1	FJ167837.1	EF617211.1
<i>Coradion melanopus</i>	EF616879.1	EF616962.1	x	x	EF617127.1	x	x	EF617210.1
<i>Forcipiger flavissimus</i>	EF616881.1	EF616964.1	JF434970.1	JF458129.1	EF617129.1	FJ167774.1	FJ167838.1	EF617212.1
<i>Forcipiger longirostris</i>	EF616882.1	EF616965.1	JF434974.1	FJ167715.1	EF617130.1	FJ167775.1	FJ167839.1	EF617213.1
<i>Hemitaurichthys multispinosus</i>	x	x	x	x	x	x	x	x
<i>Hemitaurichthys multispinus</i>	x	x	x	x	x	x	x	x
<i>Hemitaurichthys polylepis</i>	EF616822.1	EF616906.1	JF435019.1	JF458156.1	EF617070.1	FJ167776.1	FJ167840.1	EF617153.1
<i>Hemitaurichthys thompsoni</i>	x	JF457508.1	JF435022.1	JF458158.1	x	FJ167777.1	FJ167841.1	x
<i>Hemitaurichthys zoster</i>	EF616883.1	EF616966.1	JF435023.1	JF458160.1	EF617131.1	x	x	EF617214.1
<i>Heniochus acuminatus</i>	EF616823.1	EF616907.1	JF435025.1	AF108618.1	EF617071.1	FJ167778.1	FJ167842.1	EF617154.1
<i>Heniochus chrysostomus</i>	EF616884.1	JF457513.1	JF435027.1	JF458163.1	EF617132.1	FJ167779.1	FJ167843.1	x
<i>Heniochus diphreutes</i>	EF616888.1	JF457514.1	JF493635.1	AP006005.1	EF617136.1	x	x	EF617218.1
<i>Heniochus intermedius</i>	x	x	x	x	x	x	x	x
<i>Heniochus monoceros</i>	EF616886.1	EF616968.1	JF493636.1	JF458168.1	EF617134.1	x	x	EF617216.1
<i>Heniochus pleurotaenia</i>	AF108545.1	x	x	AF108620.1	x	x	x	x
<i>Heniochus singularis</i>	EF616885.1	EF616967.1	FJ583547.1	FJ167718.1	EF617133.1	FJ167780.1	FJ167844.1	EF617215.1
<i>Heniochus varius</i>	EF616887.1	EF616969.1	FJ583549.1	AF108621.1	EF617135.1	x	x	EF617217.1

<i>Johnrandallia nigrirostris</i>	EF616889.1	EF616971.1	x	FJ167719.1	x	FJ167781.1	FJ167845.1	x
<i>Parachaetodon ocellatus</i>	x	x	x	AF108622.1	x	FJ167783.1	FJ167847.1	x
<i>Prognathodes aculeatus</i>	EF616890.1	EF616972.1	x	FJ167725.1	EF617137.1	FJ167788.1	FJ167852.1	EF617219.1
<i>Prognathodes aya</i>	EF616821.1	EF616905.1	x	x	EF617069.1	x	x	EF617152.1
<i>Prognathodes brasiliensis</i>	x	x	x	x	x	x	x	x
<i>Prognathodes carlhubbsi</i>	x	x	x	x	x	x	x	x
<i>Prognathodes dichrous</i>	x	x	x	x	x	x	x	x
<i>Prognathodes falcifer</i>	x	HQ127640.1	GU581196.1	x	x	x	x	x
<i>Prognathodes guyanensis</i>	x	x	x	x	x	x	x	x
<i>Prognathodes guyotensis</i>	x	x	x	x	x	x	x	x
<i>Prognathodes marcellae</i>	x	x	x	FJ167726.1	x	FJ167789.1	FJ167853.1	x
<i>Prognathodes obliquus</i>	x	x	x	x	x	x	x	x
<i>Roa australis</i>	x	x	x	x	x	x	x	x
<i>Roa excelsa</i>	x	x	x	x	x	x	x	x
<i>Roa jayakari</i>	x	x	KF268186.1	x	x	x	x	x
<i>Roa modestus</i>	x	x	x	x	x	x	x	x

Family	Species	12S	16S	CO1	Cytb	RAG1	RAG2	ND3	S7	ATP8 6
Pomacentridae	<i>Abudefduf abdominalis</i>	x	x	x	AY208546.1	x	x	x	x	AY208403.1
	<i>Abudefduf bengalensis</i>	FJ616289.1	FJ616397.1	x	AY208547.1	FJ616617.1	FJ616729.1	FJ616505.1	x	AY208404.1
	<i>Abudefduf concolor</i>	x	x	x	AY208548.1	x	x	x	x	AY208405.1
	<i>Abudefduf conformis</i>	x	x	x	x	x	x	x	x	x
	<i>Abudefduf declivifrons</i>	x	x	x	AY208549.1	x	x	x	x	AY208406.1
	<i>Abudefduf hoefleri</i>	FJ616290.1	FJ616398.1	x	x	FJ616618.1	FJ616730.1	FJ616506.1	x	x
	<i>Abudefduf lorentzi</i>	x	x	x	AY208550.1	x	x	x	x	AY208407.1
	<i>Abudefduf luridus</i>	FJ616291.1	FJ616399.1	x	EF439184.1	FJ616619.1	FJ616731.1	FJ616507.1	x	x
	<i>Abudefduf margariteus</i>	x	JF457202.1	JF434704.1	JF457873.1	AY208618.1	x	x	x	AY208408.1
	<i>Abudefduf natalensis</i>	x	x	x	x	x	x	x	x	x

<i>Abudefduf notatus</i>	FJ616292.1	FJ616400.1	HQ561510.1	AY208552.1	FJ616620.1	FJ616732.1	FJ616508.1	x	AY208409.1
<i>Abudefduf saxatilis</i>	FJ616293.1	AY279673.1	JQ842754.1	AY208553.1	AY208624.1	AY279879.1	FJ616509.1	x	AY208410.1
<i>Abudefduf septemfasciatus</i>	FJ616294.1	FJ616402.1	JQ431394.1	JF457874.1	AY208619.1	FJ616734.1	FJ616510.1	x	AY208411.1
<i>Abudefduf sexfasciatus</i>	AF285921.1	FJ616403.1	JF434707.1	JF457876.1	AY208620.1	FJ616735.1	FJ616511.1	x	AY208412.1
<i>Abudefduf sordidus</i>	FJ616296.1	FJ616404.1	JQ431399.1	JF457881.1	AY208621.1	FJ616736.1	FJ616512.1	x	AY208413.1
<i>Abudefduf sparoides</i>	JQ707028.1	JF457212.1	JF434714.1	JF457887.1	JQ707221.1	JQ707257.1	JQ707187.1	x	AY208414.1
<i>Abudefduf taurus</i>	FJ616297.1	FJ616405.1	JQ840390.1	AY208559.1	AY208622.1	FJ616737.1	FJ616513.1	x	AY208415.1
<i>Abudefduf troschelii</i>	x	x	x	AY208560.1	AY208623.1	x	x	x	AY208416.1
<i>Abudefduf vaigiensis</i>	AP006016.1	AY365120.1	FJ237625.1	JF457889.1	KF375614.1	x	AP006016.1	x	AY208418.1
<i>Abudefduf whitleyi</i>	FJ616298.1	FJ616406.1	x	AY208562.1	FJ616626.1	FJ616738.1	FJ616514.1	x	AY208419.1
<i>Acanthochromis polyacanthus</i>	FJ616299.1	FJ616407.1	x	AY208521.1	AY208625.1	FJ616739.1	FJ616515.1	x	AY208368.1
<i>Altrichthys azurelineatus</i>	x	HQ629877.1	x	x	HQ629885.1	HQ629893.1	x	x	x
<i>Altrichthys curatus</i>	FJ616300.1	FJ616408.1	x	x	HQ629889.1	HQ629900.1	x	x	x
<i>Amblyglyphidodon aureus</i>	FJ616301.1	EF419265.1	KF929587.1	AY208563.1	AY208627.1	JN998032.1	FJ616516.1	x	AY208420.1
<i>Amblyglyphidodon batunai</i>	x	x	x	x	x	JN998034.1	x	x	x
<i>Amblyglyphidodon curacao</i>	FJ616302.1	EF419263.1	KF929588.1	AY208564.1	FJ616629.1	FJ616742.1	FJ616517.1	x	AY208422.1
<i>Amblyglyphidodon flavilatus</i>	x	x	x	x	x	x	x	x	x
<i>Amblyglyphidodon indicus</i>	x	JF457220.1	JQ349682.1	JF457890.1	x	x	x	x	x
<i>Amblyglyphidodon leucogaster</i>	FJ616303.1	AY279671.1	JF952668.1	AY208565.1	AY208626.1	JN998033.1	FJ616518.1	x	AY208425.1
<i>Amblyglyphidodon melanopterus</i>	x	x	x	x	x	x	x	x	x
<i>Amblyglyphidodon orbicularis</i>	JQ707029.1	JQ707064.1	JQ707132.1	JQ707167.1	JQ707222.1	JQ707258.1	JQ707188.1	x	x
<i>Amblyglyphidodon silolona</i>	x	x	x	x	x	x	x	x	x
<i>Amblyglyphidodon ternatensis</i>	JQ729316.1	JQ729321.1	x	JQ729313.1	JQ729301.1	JN998031.1	JQ729326.1	x	x
<i>Amblypomacentrus breviceps</i>	x	x	x	x	x	x	x	x	x
<i>Amblypomacentrus clarus</i>	FJ616304.1	FJ616412.1	x	x	FJ616631.1	FJ616744.1	FJ616519.1	x	x
<i>Amphiprion akallopisos</i>	x	JQ029766.1	JF434726.1	JF457898.1	KF264351.1	x	x	KF774357.1	AY208344.1
<i>Amphiprion akindynos</i>	JN935810.1	DQ343905.1	x	AY208509.1	AY208628.1	x	x	KF774359.1	AY208346.1
<i>Amphiprion allardi</i>	x	x	x	AY208510.1	AY208629.1	x	x	KF774360.1	AY208348.1
<i>Amphiprion barberi</i>	x	x	x	x	KF264354.1	EU256988.1	x	KF774361.1	x
<i>Amphiprion bicinctus</i>	JQ030887.1	JQ030887.1	x	JQ030887.1	KF264355.1	x	JQ030887.1	KF774362.1	JQ030887.1

<i>Amphiprion chagosensis</i>	x	DQ343907.1	x	DQ343947.1	x	x	x	KF774363.1	x
<i>Amphiprion chrysoaster</i>	x	JF457229.1	FJ582738.1	JF457899.1	x	x	x	KF774364.1	AY208350.1
<i>Amphiprion chrysopterus</i>	x	JF457231.1	JF434733.1	JF457900.1	KF264358.1	x	x	KF774365.1	x
<i>Amphiprion clarkii</i>	FJ616305.1	AF285945.1	FJ582757.1	AY208513.1	FJ616632.1	FJ616745.1	FJ616520.1	KF774368.1	AY208354.1
<i>Amphiprion ephippium</i>	x	JQ029768.1	JQ088084.3	JQ314455.1	KF264363.1	x	x	KF774371.1	x
<i>Amphiprion frenatus</i>	FJ616306.1	FJ616414.1	FJ582759.1	AF097930.1	FJ616633.1	FJ616746.1	KJ833752.1	KF774372.1	KJ833752.1
<i>Amphiprion fuscoaudatus</i>	x	x	x	x	x	x	x	x	x
<i>Amphiprion latezonatus</i>	x	DQ343912.1	x	x	KF264365.1	x	x	KF774373.1	x
<i>Amphiprion latifasciatus</i>	x	JF457232.1	JF434737.1	JF457902.1	KF264366.1	x	x	KF774374.1	x
<i>Amphiprion leucokranos</i>	x	DQ343913.1	x	DQ343953.1	KF264367.1	x	x	KF774375.1	x
<i>Amphiprion mccullochi</i>	x	DQ343914.1	x	DQ343954.1	KF264368.1	x	x	KF774376.1	x
<i>Amphiprion melanopus</i>	FJ616307.1	FJ616415.1	FJ582761.1	AY208514.1	FJ616634.1	FJ616747.1	FJ616522.1	KF774377.1	AY208356.1
<i>Amphiprion nigripes</i>	x	x	FJ582784.1	AY208515.1	KF264370.1	x	x	KF774378.1	AY208358.1
<i>Amphiprion ocellaris</i>	FJ616308.1	AP006017.1	FJ582785.1	AF097927.1	AY208631.1	FJ616748.1	FJ616523.1	KF774380.1	AY208360.1
<i>Amphiprion omanensis</i>	x	x	x	AY208517.1	KF264373.1	x	x	KF774381.1	AY208361.1
<i>Amphiprion pacificus</i>	x	x	x	x	KF264374.1	x	x	KF774382.1	x
<i>Amphiprion percula</i>	AF285924.1	AF285946.1	JQ088088.2	KJ174497.1	KF264377.1	x	KJ174497.1	KF774384.1	KJ174497.1
<i>Amphiprion perideraion</i>	FJ616309.1	FJ616417.1	FJ582795.1	AY208518.1	AY208630.1	FJ616749.1	FJ616524.1	KF774387.1	AY208363.1
<i>Amphiprion polymnus</i>	KJ101554.1	JQ029775.1	FJ582807.1	AF097928.1	KF264380.1	x	KJ101554.1	KF774388.1	KJ101554.1
<i>Amphiprion rubrocinctus</i>	x	DQ343920.1	x	DQ343961.1	KF264381.1	x	x	KF774390.1	x
<i>Amphiprion sandaracinos</i>	FJ616310.1	FJ616418.1	FJ582816.1	AF097929.1	FJ616637.1	FJ616750.1	FJ616525.1	KF774391.1	x
<i>Amphiprion sebae</i>	x	HQ020377.1	FJ582830.1	AY208519.1	KF264383.1	x	x	x	AY208365.1
<i>Amphiprion thiellei</i>	x	x	x	x	x	x	x	x	x
<i>Amphiprion tricinctus</i>	x	x	x	x	KF264384.1	x	x	KF774393.1	x
<i>Azurina eupalama</i>	x	x	x	x	x	x	x	x	x
<i>Azurina hirundo</i>	FJ616311.1	FJ616419.1	GU440243.1	x	FJ616638.1	FJ616751.1	FJ616526.1	x	x
<i>Cheiloprion labiatus</i>	FJ616312.1	FJ616420.1	x	x	FJ616639.1	FJ616752.1	FJ616527.1	x	x
<i>Chromis abrupta</i>	x	x	x	x	x	x	x	x	x
<i>Chromis acares</i>	x	JF457363.1	JF434864.1	JF458030.1	x	x	x	x	x
<i>Chromis agilis</i>	x	JF457365.1	JF434866.1	AY208522.1	AY208641.1	x	x	x	AY208370.1



<i>Chromis albicaudus</i>	x	x	x	x	x	x	x	x	x
<i>Chromis albomaculata</i>	x	x	x	x	x	x	x	x	x
<i>Chromis alleni</i>	x	x	x	x	x	x	x	x	x
<i>Chromis alpha</i>	FJ616313.1	FJ616421.1	JF434867.1	x	FJ616640.1	FJ616753.1	FJ616528.1	x	x
<i>Chromis alta</i>	JQ707030.1	JQ707065.1	GU440280.1	JQ707168.1	JQ707223.1	JQ707259.1	JQ707189.1	x	x
<i>Chromis amboinensis</i>	FJ616314.1	FJ616422.1	x	AY208523.1	FJ616641.1	FJ616754.1	FJ616529.1	x	AY208372.1
<i>Chromis analis</i>	FJ616315.1	FJ616423.1	JF493172.1	x	FJ616642.1	FJ616755.1	FJ616530.1	x	x
<i>Chromis athena</i>	x	x	x	x	x	x	x	x	x
<i>Chromis atrilobata</i>	x	EF489730.1	x	AY208524.1	AY208637.1	x	x	x	AY103268.1
<i>Chromis atripectoralis</i>	FJ616316.1	FJ616424.1	JF434870.1	JF458031.1	FJ616643.1	FJ616756.1	FJ616531.1	x	AY208376.1
<i>Chromis atripes</i>	JQ707031.1	JQ707066.1	JQ707134.1	AY208526.1	AY208633.1	JQ707260.1	JQ707190.1	x	AY208377.1
<i>Chromis axillaris</i>	x	x	x	x	x	x	x	x	x
<i>Chromis bami</i>	JQ707032.1	JQ707067.1	JQ707135.1	JQ707169.1	JQ707225.1	JQ707261.1	JQ707191.1	x	x
<i>Chromis brevisrostris</i>	x	x	EU358577.1	x	x	x	x	x	x
<i>Chromis cadenati</i>	x	x	GQ341589.1	x	x	x	x	x	x
<i>Chromis caudalis</i>	x	x	x	AY289557.1	x	x	x	x	x
<i>Chromis chromis</i>	FJ616317.1	FJ616425.1	KF564300.1	AY208527.1	AY208640.1	FJ616757.1	FJ616532.1	x	AY208379.1
<i>Chromis chrysur</i>	x	JF457370.1	JF434873.1	JF458038.1	x	x	x	x	AY208381.1
<i>Chromis cinerascens</i>	x	x	x	x	x	x	x	x	x
<i>Chromis crusma</i>	x	x	x	x	x	x	x	x	x
<i>Chromis cyanea</i>	AF285925.1	AF285947.1	JQ842054.1	AY208529.1	AY208639.1	JQ707262.1	JQ707192.1	x	AY208383.1
<i>Chromis dasygenys</i>	x	x	JF493173.1	x	x	x	x	x	x
<i>Chromis delta</i>	JQ707034.1	JQ707069.1	JQ707137.1	JQ707170.1	JQ707227.1	JQ707263.1	JQ707193.1	x	x
<i>Chromis dimidiata</i>	JQ707035.1	JQ707070.1	JF434877.1	JF458041.1	JQ707228.1	JQ707264.1	JQ707194.1	x	x
<i>Chromis dispilus</i>	x	x	x	x	x	x	x	x	x
<i>Chromis elerae</i>	x	x	x	x	x	x	x	x	x
<i>Chromis enchrysur</i>	JQ707036.1	JQ707071.1	JQ707139.1	JQ707172.1	JQ707229.1	JQ707265.1	JQ707195.1	x	x
<i>Chromis fatuhivae</i>	x	x	x	x	x	x	x	x	x
<i>Chromis flavapicis</i>	x	x	x	x	x	x	x	x	x
<i>Chromis flavaxilla</i>	x	x	x	x	x	x	x	x	x

<i>Chromis flavicauda</i>	x	x	x	x	x	x	x	x	x
<i>Chromis flavipectoralis</i>	x	x	x	x	x	x	x	x	x
<i>Chromis flavomaculata</i>	x	x	x	AY208530.1	x	x	x	x	AY208385.1
<i>Chromis fourmanoiri</i>	x	x	x	x	x	x	x	x	x
<i>Chromis fumea</i>	AF081224.1	AY365121.1	x	x	x	x	x	x	x
<i>Chromis hanui</i>	x	x	x	x	x	x	x	x	x
<i>Chromis hypsilepis</i>	x	x	x	x	x	x	x	x	x
<i>Chromis insolata</i>	x	x	FJ583154.1	x	x	x	x	x	x
<i>Chromis intercrusma</i>	x	x	x	x	x	x	x	x	x
<i>Chromis iomelas</i>	AF285926.1	AF285948.1	JF434887.1	JF458049.1	x	x	x	x	AY208387.1
<i>Chromis jubauna</i>	x	x	x	x	x	x	x	x	x
<i>Chromis klunzingeri</i>	x	x	x	x	x	x	x	x	x
<i>Chromis lepidolepis</i>	JQ707037.1	JQ707072.1	JQ707140.1	JQ707173.1	JQ707230.1	x	x	x	x
<i>Chromis leucura</i>	x	x	x	x	x	x	x	x	x
<i>Chromis limbata</i>	x	EF489736.1	x	EF392576.1	x	x	x	x	x
<i>Chromis limbaughi</i>	x	x	x	x	x	x	x	x	x
<i>Chromis lineata</i>	x	x	x	x	x	x	x	x	x
<i>Chromis lubbocki</i>	x	x	x	x	x	x	x	x	x
<i>Chromis margaritifer</i>	FJ616318.1	FJ616426.1	FJ583160.1	AY208532.1	FJ616645.1	FJ616758.1	FJ616533.1	x	AY208389.1
<i>Chromis mirationis</i>	x	x	x	x	x	x	x	x	x
<i>Chromis monochroma</i>	x	x	x	x	x	x	x	x	x
<i>Chromis multilineata</i>	FJ616319.1	FJ616427.1	JQ839734.1	AY208533.1	AY208636.1	FJ616759.1	FJ616534.1	x	AY103270.1
<i>Chromis nigroanalis</i>	x	x	x	x	x	x	x	x	x
<i>Chromis nigrura</i>	JQ707038.1	JQ707073.1	JF434888.1	JF458050.1	JQ707231.1	JQ707266.1	JQ707196.1	x	x
<i>Chromis nitida</i>	x	x	x	AY208534.1	AY208638.1	x	x	x	AY208393.1
<i>Chromis notata</i>	x	KC767732.1	x	x	x	x	x	x	x
<i>Chromis onumai</i>	x	x	x	x	x	x	x	x	x
<i>Chromis opercularis</i>	FJ616320.1	FJ616428.1	JF434890.1	JF458052.1	FJ616647.1	FJ616760.1	FJ616535.1	x	x
<i>Chromis ovalis</i>	x	x	x	x	x	x	x	x	x
<i>Chromis ovatiformis</i>	FJ616321.1	FJ616429.1	x	x	FJ616648.1	FJ616761.1	FJ616536.1	x	x

<i>Chromis pamae</i>	x	x	x	x	x	x	x	x	x
<i>Chromis pelloura</i>	x	x	x	x	x	x	x	x	x
<i>Chromis pembae</i>	x	x	x	x	x	x	x	x	x
<i>Chromis planesi</i>	x	x	x	x	x	x	x	x	x
<i>Chromis pura</i>	x	x	x	x	x	x	x	x	x
<i>Chromis randalli</i>	x	x	x	x	x	x	x	x	x
<b><i>Chromis retrofasciata</i></b>	FJ616323.1	FJ616431.1	x	AY208535.1	AY208634.1	FJ616763.1	FJ616538.1	x	AY208395.1
<i>Chromis sanctaehelenae</i>	x	x	x	x	x	x	x	x	x
<i>Chromis scotochiloptera</i>	x	x	x	x	x	x	x	x	x
<i>Chromis scotti</i>	x	x	x	x	x	x	x	x	x
<i>Chromis struhsakeri</i>	x	x	x	x	x	x	x	x	x
<b><i>Chromis ternatensis</i></b>	FJ616324.1	FJ616432.1	JF434892.1	JF458054.1	FJ616651.1	FJ616764.1	FJ616539.1	x	x
<i>Chromis trialpha</i>	x	x	x	x	x	x	x	x	x
<b><i>Chromis vanderbilti</i></b>	JQ707039.1	JQ707074.1	JF434898.1	JF458061.1	JQ707232.1	JQ707267.1	JQ707197.1	x	x
<i>Chromis verater</i>	x	x	x	x	x	x	x	x	x
<b><i>Chromis viridis</i></b>	FJ616325.1	FJ616433.1	JF434906.1	JF458062.1	AY208635.1	FJ616765.1	FJ616540.1	x	AY208397.1
<b><i>Chromis weberi</i></b>	FJ616326.1	FJ616434.1	JF434907.1	JF458070.1	AY208642.1	FJ616766.1	FJ616541.1	x	AY208399.1
<i>Chromis westaustralis</i>	x	x	x	x	x	x	x	x	x
<b><i>Chromis woodsi</i></b>	x	x	HM421816.1	x	x	x	x	x	x
<b><i>Chromis xanthochira</i></b>	FJ616327.1	FJ616435.1	JF434914.1	JF458076.1	FJ616654.1	FJ616767.1	FJ616542.1	x	x
<b><i>Chromis xanthopterygia</i></b>	x	x	x	AY208538.1	x	x	x	x	AY208401.1
<b><i>Chromis xanthura</i></b>	FJ616328.1	FJ616436.1	JF434915.1	JF458077.1	FJ616655.1	FJ616768.1	FJ616543.1	x	x
<i>Chromis xouthos</i>	x	x	x	x	x	x	x	x	x
<i>Chromis xutha</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera albata</i>	x	x	x	x	x	x	x	x	x
<b><i>Chrysiptera annulata</i></b>	JQ729317.1	JQ729322.1	JF434917.1	JF458080.1	AY208645.1	x	JQ729327.1	x	AY208426.1
<i>Chrysiptera arnazae</i>	x	x	x	x	x	x	x	x	x
<b><i>Chrysiptera biocellata</i></b>	JQ707040.1	JQ707075.1	JQ707143.1	x	JQ707233.1	JQ707268.1	JQ707198.1	x	x
<i>Chrysiptera bleekeri</i>	x	x	x	x	x	x	x	x	x
<b><i>Chrysiptera brownriggii</i></b>	FJ616329.1	FJ616437.1	JF434919.1	JF458090.1	FJ616656.1	FJ616769.1	FJ616544.1	x	x

<i>Chrysiptera caeruleolineata</i>	x	x	FJ459575.1	x	x	x	x	x	x
<i>Chrysiptera cyanea</i>	FJ616330.1	FJ616438.1	FJ583182.1	AY208567.1	AY208643.1	FJ616770.1	FJ616545.1	x	AY208428.1
<i>Chrysiptera cymatilis</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera flavifrons</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera flavipinnis</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera galba</i>	x	x	FJ583187.1	AY208568.1	x	x	x	x	AY208430.1
<i>Chrysiptera giti</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera glauca</i>	JQ707041.1	JQ707076.1	JF434931.1	JF458094.1	AY208647.1	JQ707269.1	JQ707199.1	x	AY208432.1
<i>Chrysiptera hemicyanea</i>	x	x	x	AY208570.1	AY208644.1	x	x	x	AY208434.1
<i>Chrysiptera kuiteri</i>	FJ616336.1	FJ616444.1	x	x	FJ616663.1	FJ616776.1	FJ616551.1	x	x
<i>Chrysiptera nahackyi</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera niger</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera notialis</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera oxycephala</i>	FJ616331.1	FJ616439.1	x	x	FJ616658.1	FJ616771.1	FJ616546.1	x	x
<i>Chrysiptera parasema</i>	x	x	FJ583188.1	x	x	x	x	x	x
<i>Chrysiptera pricei</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera rapanui</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera rex</i>	FJ616332.1	FJ616440.1	FJ583193.1	AY208572.1	FJ616659.1	FJ616772.1	FJ616547.1	x	AY208437.1
<i>Chrysiptera rollandi</i>	FJ616333.1	FJ616441.1	x	AY208573.1	AY208646.1	FJ616773.1	FJ616548.1	x	AY208439.1
<i>Chrysiptera sheila</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera sinclairi</i>	x	x	x	x	x	x	x	x	x
<i>Chrysiptera springeri</i>	FJ616334.1	FJ616442.1	x	x	FJ616661.1	FJ616774.1	FJ616549.1	x	x
<i>Chrysiptera starcki</i>	x	x	FJ583198.1	x	x	x	x	x	x
<i>Chrysiptera talboti</i>	FJ616335.1	FJ616443.1	FJ583204.1	AY208574.1	FJ616662.1	FJ616775.1	FJ616550.1	x	AY208441.1
<i>Chrysiptera taupou</i>	JQ707042.1	JQ707077.1	FJ583208.1	AY208575.1	JQ707235.1	JQ707270.1	x	x	AY208443.1
<i>Chrysiptera traceyi</i>	JQ707043.1	JQ707078.1	JQ707146.1	JQ707176.1	JQ707236.1	JQ707271.1	JQ707200.1	x	x
<i>Chrysiptera tricincta</i>	JQ729318.1	JQ729323.1	x	x	JQ729302.1	JQ729299.1	JQ729328.1	x	x
<i>Chrysiptera unimaculata</i>	FJ616337.1	FJ616445.1	JF435153.1	x	FJ616664.1	FJ616777.1	FJ616552.1	x	x
<i>Dascyllus albisella</i>	x	AF119405.1	x	x	x	x	x	x	AF489740.1
<i>Dascyllus aruanus</i>	AF285927.1	AF285949.1	FJ583321.1	JF458110.1	AY208649.1	FJ616778.1	FJ616553.1	x	AF489747.1

<i>Dascyllus auripinnis</i>	x	x	x	x	x	x	x	x	x
<i>Dascyllus carneus</i>	x	JF457448.1	JF434956.1	JF458117.1	AY208652.1	x	x	x	AF489769.1
<i>Dascyllus flavicaudus</i>	x	JF457450.1	JF434960.1	JF458120.1	AY208650.1	x	x	x	AF489775.1
<i>Dascyllus marginatus</i>	x	AF119403.1	x	AY208542.1	AY208651.1	x	x	x	AF489782.1
<i>Dascyllus melanurus</i>	FJ616339.1	FJ616447.1	FJ583330.1	AY208543.1	AY208653.1	FJ616779.1	FJ616554.1	x	AF489785.1
<i>Dascyllus reticulatus</i>	FJ616340.1	FJ616448.1	FJ583331.1	AY208544.1	AY208654.1	FJ616780.1	FJ616555.1	x	AF489799.1
<i>Dascyllus strasburgi</i>	x	x	x	x	x	x	x	x	AF489808.1
<i>Dascyllus trimaculatus</i>	FJ616341.1	FJ616449.1	FJ583333.1	JF458121.1	AY208655.1	FJ616781.1	FJ616556.1	x	AF489822.1
<i>Dischistodus chrysopoecilus</i>	FJ616342.1	FJ616450.1	x	x	FJ616669.1	AY279876.1	FJ616557.1	x	x
<i>Dischistodus darwiniensis</i>	x	x	x	x	x	x	x	x	x
<i>Dischistodus fasciatus</i>	x	x	x	x	x	x	x	x	x
<i>Dischistodus melanotus</i>	FJ616343.1	FJ616451.1	x	AY208576.1	AY208656.1	FJ616783.1	FJ616558.1	x	AY208445.1
<i>Dischistodus perspicillatus</i>	FJ616344.1	FJ616452.1	x	x	FJ616671.1	FJ616784.1	FJ616559.1	x	x
<i>Dischistodus prosopotaenia</i>	FJ616345.1	FJ616453.1	FJ583365.1	x	FJ616672.1	FJ616785.1	FJ616560.1	x	x
<i>Dischistodus pseudochrysopoecilus</i>	FJ616346.1	FJ616454.1	FJ583366.1	x	FJ616673.1	FJ616786.1	FJ616561.1	x	x
<i>Hemiglyphidodon plagiometopon</i>	FJ616347.1	FJ616455.1	x	AY208577.1	FJ616674.1	FJ616787.1	FJ616562.1	x	AY208446.1
<i>Hypsypops rubicundus</i>	FJ616348.1	FJ616456.1	JN600313.1	x	FJ616675.1	FJ616788.1	FJ616563.1	x	x
<i>Lepidozygus tapeinosoma</i>	FJ616349.1	FJ616457.1	JF493740.1	x	FJ616676.1	FJ616789.1	FJ616564.1	x	x
<i>Microspathodon bairdii</i>	x	x	x	x	JX189897.1	x	x	x	x
<i>Microspathodon chrysurus</i>	FJ616351.1	FJ616459.1	FJ583660.1	AY208578.1	AY208657.1	FJ616791.1	FJ616566.1	x	AY208448.1
<i>Microspathodon dorsalis</i>	FJ616352.1	FJ616460.1	x	x	FJ616679.1	FJ616792.1	FJ616567.1	x	x
<i>Microspathodon frontatus</i>	x	x	x	x	x	x	x	x	x
<i>Neoglyphidodon bonang</i>	x	x	x	x	x	x	x	x	x
<i>Neoglyphidodon carlsoni</i>	JQ707044.1	JQ707079.1	JQ707147.1	JQ707177.1	JQ707237.1	JQ707272.1	JQ707201.1	x	x
<i>Neoglyphidodon crossi</i>	x	x	x	x	x	x	x	x	x
<i>Neoglyphidodon melas</i>	FJ616353.1	FJ616461.1	FJ583724.1	JF458178.1	FJ616680.1	FJ616793.1	FJ616568.1	x	AY208450.1
<i>Neoglyphidodon nigroris</i>	FJ616354.1	FJ616462.1	FJ583729.1	AY208580.1	AY208658.1	FJ616794.1	FJ616569.1	x	AY208451.1
<i>Neoglyphidodon oxyodon</i>	FJ616355.1	FJ616463.1	FJ583734.1	AY208581.1	AY208659.1	FJ616795.1	FJ616570.1	x	AY208453.1
<i>Neoglyphidodon polyacanthus</i>	AF285931.1	AF285953.1	JQ707148.1	AY208582.1	JQ707238.1	JQ707273.1	JQ707202.1	x	AY208454.1
<i>Neoglyphidodon thoracotaeniatus</i>	FJ616356.1	FJ616464.1	x	x	FJ616683.1	JN998045.1	FJ616571.1	x	x

<i>Neopomacentrus anabatoides</i>	x	x	x	x	x	x	x	x	x
<i>Neopomacentrus aquadulcis</i>	x	x	x	x	x	x	x	x	x
<i>Neopomacentrus azysron</i>	FJ616357.1	FJ616465.1	JF435054.1	JF458180.1	FJ616684.1	FJ616797.1	FJ616572.1	x	x
<i>Neopomacentrus bankieri</i>	JN935812.1	x	x	x	JN935822.1	x	x	x	x
<i>Neopomacentrus cyanomos</i>	x	JQ707081.1	JF435057.1	JF458184.1	JQ707239.1	JQ707274.1	JQ707203.1	x	AY208455.1
<i>Neopomacentrus filamentosus</i>	x	x	x	AY208584.1	AY208661.1	x	x	x	AY208456.1
<i>Neopomacentrus fuliginosus</i>	x	x	x	x	x	x	x	x	x
<i>Neopomacentrus metallicus</i>	JQ707047.1	JQ707082.1	JQ707149.1	x	JQ707240.1	JQ707275.1	JQ707204.1	x	x
<i>Neopomacentrus miryae</i>	x	x	x	AY208585.1	x	x	x	x	AY208458.1
<i>Neopomacentrus nemurus</i>	x	x	x	AY208586.1	x	x	x	x	AY208460.1
<i>Neopomacentrus sindensis</i>	x	x	x	AY208587.1	AY208660.1	x	x	x	AY208462.1
<i>Neopomacentrus sororius</i>	x	x	x	x	x	x	x	x	x
<i>Neopomacentrus violascens</i>	x	x	x	x	x	x	x	x	x
<i>Neopomacentrus xanthurus</i>	x	x	x	x	x	x	x	x	x
<i>Nexilosus latifrons</i>	FJ616359.1	FJ616467.1	x	x	x	x	x	x	x
<i>Parma alboscapularis</i>	x	x	x	x	x	x	x	x	x
<i>Parma bicolor</i>	x	x	x	x	x	x	x	x	x
<i>Parma kermadecensis</i>	x	x	x	x	x	x	x	x	x
<i>Parma mccullochi</i>	x	x	x	x	x	x	x	x	x
<i>Parma microlepis</i>	FJ616360.1	FJ616468.1	x	x	FJ616686.1	FJ616799.1	FJ616574.1	x	x
<i>Parma occidentalis</i>	x	x	x	x	x	x	x	x	x
<i>Parma oligolepis</i>	AF285932.1	JQ707083.1	JQ707150.1	AY208588.1	AY208662.1	JQ707276.1	JQ707205.1	x	AY208464.1
<i>Parma polylepis</i>	x	x	x	x	x	x	x	x	x
<i>Parma victoriae</i>	x	x	x	x	x	x	x	x	x
<i>Plectroglyphidodon dickii</i>	FJ616361.1	FJ616469.1	JF435069.1	AY208589.1	AY208663.1	FJ616800.1	FJ616575.1	x	AY208465.1
<i>Plectroglyphidodon flaviventris</i>	x	x	x	x	x	x	x	x	x
<i>Plectroglyphidodon imparipennis</i>	x	JF457557.1	JF435071.1	JF458194.1	x	x	x	x	x
<i>Plectroglyphidodon johnstonianus</i>	x	JF457565.1	JF435075.1	x	x	x	x	x	x
<i>Plectroglyphidodon lacrymatus</i>	FJ616362.1	FJ616470.1	JF435080.1	JF458200.1	FJ616688.1	FJ616801.1	FJ616576.1	x	x
<i>Plectroglyphidodon leucozonus</i>	FJ616363.1	FJ616471.1	JF435086.1	AY208590.1	FJ616689.1	FJ616802.1	FJ616577.1	x	AY208467.1

<i>Plectroglyphidodon phoenixensis</i>	x	JF457571.1	JF435087.1	JF458202.1	x	x	x	x	x
<i>Plectroglyphidodon randalli</i>	x	JF457576.1	JF435089.1	JF458204.1	x	x	x	x	x
<i>Plectroglyphidodon sagmarius</i>	x	x	x	x	x	x	x	x	x
<i>Plectroglyphidodon sindonis</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus adelus</i>	x	x	x	x	AY208664.1	x	x	x	AY208469.1
<i>Pomacentrus agassizii</i>	x	X	X	x	x	x	x	x	x
<i>Pomacentrus albicaudatus</i>	FJ616364.1	FJ616472.1	x	x	FJ616690.1	FJ616803.1	FJ616578.1	x	x
<i>Pomacentrus albimaculus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus alexanderae</i>	FJ616365.1	FJ616473.1	x	x	FJ616691.1	FJ616804.1	FJ616579.1	x	x
<i>Pomacentrus alleni</i>	JQ707049.1	JQ707084.1	FJ583888.1	JQ707179.1	JQ707242.1	JQ707277.1	JQ707206.1	x	x
<i>Pomacentrus amboinensis</i>	JN935811.1	FJ616474.1	x	x	JN935821.1	FJ616805.1	FJ616580.1	x	x
<i>Pomacentrus aquilus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus arabicus</i>	x	JF457583.1	JF435099.1	JF458212.1	x	x	x	x	x
<i>Pomacentrus armillatus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus atriaxillaris</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus aurifrons</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus auriventris</i>	JQ707050.1	JQ707085.1	JQ707152.1	x	JQ707243.1	JQ707278.1	JQ707207.1	x	x
<i>Pomacentrus australis</i>	x	x	x	AY208592.1	AY208668.1	x	x	x	AY208471.1
<i>Pomacentrus azuremaculatus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus baenschi</i>	JQ707051.1	JQ707086.1	JF435100.1	JF458213.1	JQ707244.1	JQ707279.1	JQ707208.1	x	x
<i>Pomacentrus bankanensis</i>	FJ616367.1	FJ616475.1	x	AY208593.1	AY208665.1	FJ616806.1	FJ616581.1	x	AY208473.1
<i>Pomacentrus bintanensis</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus bipunctatus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus brachialis</i>	FJ616368.1	AF285956.1	x	AY208594.1	FJ616694.1	FJ616807.1	FJ616582.1	x	AY208474.1
<i>Pomacentrus burroughi</i>	FJ616369.1	FJ616477.1	x	x	FJ616695.1	FJ616808.1	FJ616583.1	x	x
<i>Pomacentrus caeruleopunctatus</i>	JQ707052.1	JQ707087.1	JQ707154.1	x	JQ707245.1	JQ707280.1	JQ707209.1	x	x
<i>Pomacentrus caeruleus</i>	JQ707053.1	JQ707088.1	FJ583893.1	JF458222.1	JQ707246.1	JQ707281.1	JQ707210.1	x	x
<i>Pomacentrus callainus</i>	JQ707054.1	JQ707089.1	JQ707156.1	x	JQ707247.1	JQ707282.1	JQ707211.1	x	x
<i>Pomacentrus cheraphilus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus chrysurus</i>	FJ616370.1	FJ616478.1	x	AY208595.1	FJ616696.1	FJ616809.1	FJ616584.1	x	AY208476.1

<i>Pomacentrus coelestis</i>	FJ616371.1	FJ616479.1	FJ583898.1	AY208596.1	FJ616697.1	FJ616810.1	FJ616585.1	x	AY208477.1
<i>Pomacentrus colini</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus cuneatus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus emarginatus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus fuscidorsalis</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus geminospilus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus grammorhynchus</i>	FJ616372.1	FJ616480.1	x	AY208597.1	FJ616698.1	FJ616811.1	FJ616586.1	x	AY208479.1
<i>Pomacentrus imitator</i>	JQ707055.1	JQ707090.1	JQ707157.1	JQ707182.1	JQ707248.1	JQ707283.1	JQ707212.1	x	x
<i>Pomacentrus indicus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus javanicus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus komodoensis</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus lepidogenys</i>	FJ616373.1	FJ616481.1	x	AY208598.1	FJ616699.1	FJ616812.1	FJ616587.1	x	AY208481.1
<i>Pomacentrus leptus</i>	x	x	x	AY208599.1	x	x	x	x	AY208483.1
<i>Pomacentrus limosus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus littoralis</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus melanochir</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus microspilus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus milleri</i>	x	x	x	AY208600.1	x	x	x	x	AY208485.1
<i>Pomacentrus moluccensis</i>	FJ616374.1	x	FJ583906.1	AY208601.1	AY208669.1	EU256705.1	FJ616588.1	x	AY208486.1
<i>Pomacentrus nagasakiensis</i>	x	x	FJ583909.1	AY208602.1	x	x	x	x	AY208488.1
<i>Pomacentrus nigromanus</i>	FJ616375.1	FJ616483.1	x	AY208603.1	AY208671.1	FJ616814.1	FJ616589.1	x	AY208490.1
<i>Pomacentrus nigromarginatus</i>	FJ616376.1	FJ616484.1	x	x	FJ616702.1	FJ616815.1	FJ616590.1	x	x
<i>Pomacentrus opisthostigma</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus pavo</i>	JQ707056.1	JF457600.1	JF435116.1	JF458235.1	AY208666.1	JQ707284.1	JQ707213.1	x	AY208492.1
<i>Pomacentrus philippinus</i>	FJ616377.1	FJ616485.1	x	AY208605.1	AY208667.1	FJ616816.1	FJ616591.1	x	AY208494.1
<i>Pomacentrus pikei</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus polyspinus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus proteus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus reidi</i>	x	x	x	AY208606.1	AY208672.1	x	x	x	AY208496.1
<i>Pomacentrus rodriguesensis</i>	x	x	x	x	x	x	x	x	x



<i>Pomacentrus saksonoi</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus similis</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus simsiang</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus smithi</i>	x	x	x	AY208607.1	AY208670.1	x	x	x	AY208498.1
<i>Pomacentrus spilotoceps</i>	x	x	JQ707159.1	JQ707183.1	JQ707250.1	JQ707285.1	JQ707214.1	x	x
<i>Pomacentrus stigma</i>	FJ616378.1	FJ616486.1	x	x	FJ616704.1	FJ616817.1	FJ616592.1	x	x
<i>Pomacentrus sulfureus</i>	JQ707057.1	JF457609.1	JF435125.1	JF458236.1	JQ707251.1	x	JQ707215.1	x	x
<i>Pomacentrus taeniometopon</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus trichourus</i>	x	JF457613.1	JF435129.1	JF458240.1	x	x	x	x	x
<i>Pomacentrus trilineatus</i>	JQ707058.1	JQ707093.1	JF435131.1	JF458247.1	JQ707252.1	JQ707286.1	JQ707216.1	x	AY208500.1
<i>Pomacentrus tripunctatus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus vaiuli</i>	FJ616379.1	FJ616487.1	x	AY208609.1	FJ616705.1	FJ616818.1	FJ616593.1	x	AY208501.1
<i>Pomacentrus wardi</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus xanthosternus</i>	x	x	x	x	x	x	x	x	x
<i>Pomacentrus yoshii</i>	x	x	x	x	x	x	x	x	x
<i>Pomachromis exilis</i>	x	x	x	x	x	x	x	x	x
<i>Pomachromis guamensis</i>	x	x	x	x	x	x	x	x	x
<i>Pomachromis richardsoni</i>	FJ616380.1	FJ616488.1	x	x	FJ616706.1	FJ616819.1	FJ616594.1	x	x
<i>Premnas biaculeatus</i>	FJ616381.1	FJ616489.1	FJ583914.1	AY208520.1	AY208632.1	FJ616820.1	FJ616595.1	KF774394.1	AY208367.1
<i>Pristotis cyanostigma</i>	x	x	x	x	x	x	x	x	x
<i>Pristotis obtusirostris</i>	FJ616382.1	FJ616490.1	x	x	FJ616708.1	FJ616821.1	FJ616596.1	x	x
<i>Similiparma hermani</i>	FJ616383.1	FJ616491.1	x	x	FJ616709.1	FJ616822.1	FJ616597.1	x	x
<i>Stegastes acapulcoensis</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes adustus</i>	AF285937.1	JQ707094.1	JQ840711.1	x	JQ707253.1	JQ707287.1	JQ707217.1	x	x
<i>Stegastes albifasciatus</i>	JQ707060.1	JQ707095.1	JF435152.1	JQ707185.1	JQ707254.1	JQ707288.1	JQ707218.1	x	x
<i>Stegastes altus</i>	AF081243.1	x	x	x	x	x	x	x	x
<i>Stegastes apicalis</i>	FJ616384.1	FJ616492.1	KF715028.1	x	FJ616710.1	FJ616823.1	FJ616598.1	x	x
<i>Stegastes arcifrons</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes aureus</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes baldwini</i>	x	x	x	x	x	x	x	x	x

<i>Stegastes beebei</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes dienaecus</i>	FJ616385.1	FJ616493.1	JQ840713.1	x	FJ616711.1	FJ616824.1	FJ616599.1	x	x
<i>Stegastes emeryi</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes fasciolatus</i>	FJ616386.1	FJ616494.1	JQ432164.1	x	FJ616712.1	FJ616825.1	FJ616600.1	x	x
<i>Stegastes flavilatus</i>	JQ729319.1	JQ729324.1	JQ729311.1	JQ729314.1	JQ729303.1	JQ729300.1	JQ729329.1	x	x
<i>Stegastes fuscus</i>	JQ707061.1	JQ707096.1	JQ707164.1	JQ707186.1	JQ707255.1	JQ707289.1	JQ707219.1	x	x
<i>Stegastes gascoynei</i>	JN935814.1	x	x	x	JN935824.1	x	x	x	x
<i>Stegastes imbricatus</i>	FJ616387.1	FJ616495.1	x	x	FJ616713.1	FJ616826.1	FJ616601.1	x	x
<i>Stegastes insularis</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes leucorus</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes leucostictus</i>	FJ616388.1	FJ616496.1	JQ841016.1	x	FJ616714.1	FJ616827.1	FJ616602.1	x	x
<i>Stegastes limbatus</i>	x	JF457644.1	JF435154.1	JF458255.1	x	x	x	x	x
<i>Stegastes lividus</i>	AF081245.1	JF457648.1	JF435161.1	JF458259.1	x	x	x	x	x
<i>Stegastes lubbocki</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes nigricans</i>	FJ616389.1	FJ616497.1	JF435165.1	JF458263.1	FJ616715.1	FJ616828.1	FJ616603.1	x	x
<i>Stegastes obreptus</i>	FJ616390.1	FJ616498.1	x	x	FJ616716.1	FJ616829.1	FJ616604.1	x	x
<i>Stegastes otophorus</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes partitus</i>	FJ616391.1	FJ616499.1	JQ839911.1	x	FJ616717.1	FJ616830.1	FJ616605.1	x	x
<i>Stegastes pelicier</i>	x	JF457657.1	JF435171.1	JF458266.1	x	x	x	x	x
<i>Stegastes pictus</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes planifrons</i>	JQ707062.1	JQ707097.1	JQ840325.1	AY208611.1	AY208673.1	JQ707290.1	JQ707220.1	x	AY208504.1
<i>Stegastes punctatus</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes rectifraenum</i>	JQ729320.1	JQ729325.1	JQ729312.1	JQ729315.1	JQ729304.1	x	JQ729330.1	x	x
<i>Stegastes redemptus</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes robertsoni</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes rocasensis</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes sanctaehelenae</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes sanctipauli</i>	x	x	x	x	x	x	x	x	x
<i>Stegastes variabilis</i>	AF285938.1	AF285960.1	JQ839912.1	x	x	x	x	x	x
<i>Teixeirichthys jordani</i>	FJ616392.1	FJ616500.1	x	x	FJ616718.1	FJ616831.1	FJ616606.1	x	x

Family	Species	12S	16S	CO1	Cytb	RAG2	tmo4c4	S7
Labridae	<i>Acantholabrus palloni</i>	x	KJ128684.1	KJ768199.1	DQ197923.1	x	x	x
	<i>Achoerodus gouldii</i>	x	x	x	x	x	x	x
	<i>Achoerodus viridis</i>	x	x	x	x	x	x	x
	<i>Ammolabrus dicrus</i>	x	x	x	x	x	x	x
	<i>Anampses caeruleopunctatus</i>	AY279575.1	AY279678.1	JF434739.1	JF457906.1	AY279884.1	AY279781.1	JN935348.1
	<i>Anampses caeruleopunctatus</i>	x	x	x	x	x	x	x
	<i>Anampses chrysocephalus</i>	JN935299.1	KJ866393.1	JQ839398.1	x	x	x	JN935351.1
	<i>Anampses cuvier</i>	JN935301.1	KJ866394.1	x	x	x	x	JN935352.1
	<i>Anampses elegans</i>	JN935303.1	KJ866395.1	x	x	x	x	JN935354.1
	<i>Anampses femininus</i>	JN935305.1	KJ866396.1	x	x	x	x	JN935356.1
	<i>Anampses geographicus</i>	AJ810125.1	KJ866397.1	x	x	x	x	JN935357.1
	<i>Anampses lennardi</i>	JN935308.1	KJ866398.1	x	x	x	x	JN935359.1
	<i>Anampses lineatus</i>	JN935309.1	JF457238.1	JF434740.1	JF457908.1	x	x	JN935361.1
	<i>Anampses melanurus</i>	JN935311.1	KJ866400.1	x	x	x	x	JN935362.1
	<i>Anampses meleagrides</i>	JN935312.1	DQ164174.1	JF434744.1	x	x	x	JN935363.1
	<i>Anampses neoguinaicus</i>	AY279576.1	AY279679.1	FJ582845.1	x	AY279885.1	AY279782.1	JN935366.1
	<i>Anampses twistii</i>	AY850807.1	JF457240.1	FJ582848.1	JF457914.1	x	x	JN935367.1
	<i>Anchichoerops natalensis</i>	x	x	JF492835.1	x	x	x	x
	<i>Austrolabrus maculatus</i>	AY279577.1	AY279680.1	x	x	AY279886.1	AY279783.1	x
	<i>Bodianus albotaeniatus</i>	x	x	x	x	x	x	x
	<i>Bodianus anthioides</i>	x	JF457245.1	JF492957.1	JF457915.1	x	x	x
	<i>Bodianus axillaris</i>	x	JF457248.1	JF434751.1	JF457917.1	x	x	x
	<i>Bodianus bathycapros</i>	x	x	x	x	x	x	x
	<i>Bodianus bennetti</i>	x	x	x	x	x	x	x
	<i>Bodianus bilunulatus</i>	x	x	JF492960.1	x	x	x	x
	<i>Bodianus bimaculatus</i>	x	x	JF492963.1	x	x	x	x
	<i>Bodianus busellatus</i>	x	x	x	x	x	x	x
	<i>Bodianus cylindriatus</i>	x	x	x	x	x	x	x
	<i>Bodianus diana</i>	x	JF457258.1	JF434759.1	JF457926.1	x	x	x
	<i>Bodianus dictynna</i>	x	x	KC684980.1	x	x	x	x
	<i>Bodianus diplotaenia</i>	x	x	JQ839403.1	x	x	x	x
	<i>Bodianus eclancheri</i>	x	x	JQ839404.1	x	x	x	x

<i>Bodianus flavifrons</i>	x	x	x	x	x	x	x
<i>Bodianus flavipinnis</i>	x	x	x	x	x	x	x
<i>Bodianus frenchii</i>	x	x	x	x	x	x	x
<i>Bodianus insularis</i>	x	x	x	x	x	x	x
<i>Bodianus izuensis</i>	x	x	x	x	x	x	x
<i>Bodianus leucosticticus</i>	x	x	x	x	x	x	x
<i>Bodianus loxozonus</i>	x	x	FJ582900.1	x	x	x	x
<i>Bodianus macrognathos</i>	x	x	x	x	x	x	x
<i>Bodianus macrourus</i>	x	x	x	x	x	x	x
<i>Bodianus masudai</i>	x	x	x	x	x	x	x
<i>Bodianus mesothorax</i>	AY279578.1	AY279681.1	JQ839406.1	x	AY279887.1	AY279784.1	x
<i>Bodianus neilli</i>	x	x	x	x	x	x	x
<i>Bodianus neopercularis</i>	x	x	x	x	x	x	x
<i>Bodianus opercularis</i>	x	x	x	x	x	x	x
<i>Bodianus oxycephalus</i>	x	x	FJ237632.1	x	x	x	x
<i>Bodianus paraleucosticticus</i>	x	x	x	x	x	x	x
<i>Bodianus perditio</i>	x	JF457259.1	JF434760.1	JF457929.1	x	x	x
<i>Bodianus prognathus</i>	x	x	x	x	x	x	x
<i>Bodianus pulchellus</i>	x	x	FJ582902.1	x	x	x	x
<i>Bodianus rubrisos</i>	x	x	x	x	x	x	x
<i>Bodianus rufus</i>	AY279579.1	AY850866.1	FJ582906.1	x	AY279888.1	AY279785.1	x
<i>Bodianus sanguineus</i>	x	x	x	x	x	x	x
<i>Bodianus scrofa</i>	x	AF517582.1	GQ341586.1	DQ197931.1	x	x	x
<i>Bodianus sepiacaudus</i>	x	x	x	x	x	x	x
<i>Bodianus solatus</i>	x	x	KC684997.1	x	x	x	x
<i>Bodianus speciosus</i>	x	x	GQ341587.1	x	x	x	x
<i>Bodianus tanyokidus</i>	x	x	FJ237633.1	x	x	x	x
<i>Bodianus thoracotaeniatus</i>	x	x	x	x	x	x	x
<i>Bodianus trilineatus</i>	x	x	JF492970.1	x	x	x	x
<i>Bodianus unimaculatus</i>	x	x	EF609299.1	x	x	x	x
<i>Bodianus vulpinus</i>	x	x	x	x	x	x	x
<i>Centrolabrus exoletus</i>	x	x	x	x	x	x	x
<i>Centrolabrus melanocercus</i>	AJ810149.1	AF517595.1	GQ341600.1	x	x	x	x

<i>Cheilinus abudjubbe</i>	x	x	x	x	x	x	x
<i>Cheilinus chlorourus</i>	AJ810127.1	JF457346.1	JF434847.1	JF458014.1	x	x	x
<i>Cheilinus fasciatus</i>	AY279580.1	AY279683.1	JF434850.1	JF458015.1	AY279889.1	AY279786.1	x
<i>Cheilinus fasciatus</i>	x	x	x	x	x	x	x
<i>Cheilinus lunulatus</i>	x	x	x	x	x	x	x
<i>Cheilinus oxycephalus</i>	AY279581.1	AY279684.1	FJ583121.1	JF458022.1	AY279890.1	AY279787.1	x
<i>Cheilinus trilobatus</i>	AJ810128.1	JF457358.1	JF434860.1	JF458025.1	x	x	x
<i>Cheilinus undulatus</i>	AY279582.1	AY279685.1	FJ237973.1	EU601399.1	EU601349.1	AY279788.1	x
<i>Cheilio inermis</i>	AY279583.1	AY850867.1	JF434861.1	JF458027.1	AY279892.1	AY279789.1	x
<i>Choerodon anchorage</i>	AY279585.1	AY279688.1	KF714915.1	x	AY279894.1	AY279791.1	x
<i>Choerodon azurio</i>	AB121235.1	AB084421.1	FJ237700.1	JN212025.1	x	x	x
<i>Choerodon cauteroma</i>	x	x	x	x	x	x	x
<i>Choerodon cephalotes</i>	x	x	EF609329.1	x	x	x	x
<i>Choerodon cyanodus</i>	x	x	x	x	x	x	x
<i>Choerodon fasciatus</i>	AY081079.1	AY081097.1	x	AY081132.1	x	x	x
<i>Choerodon fasciatus</i>	x	x	x	x	x	x	x
<i>Choerodon frenatus</i>	x	x	x	x	x	x	x
<i>Choerodon gomoni</i>	x	x	x	x	x	x	x
<i>Choerodon graphicus</i>	x	x	x	x	x	x	x
<i>Choerodon gymnogenys</i>	x	x	x	x	x	x	x
<i>Choerodon jordani</i>	x	x	KF929744.1	x	x	x	x
<i>Choerodon margaritiferus</i>	x	x	x	x	x	x	x
<i>Choerodon melanostigma</i>	x	x	x	x	x	x	x
<i>Choerodon monostigma</i>	x	x	x	x	x	x	x
<i>Choerodon oligacanthus</i>	AF121218.1	x	x	x	x	x	x
<i>Choerodon paynei</i>	x	x	x	x	x	x	x
<i>Choerodon robustus</i>	x	AB084420.1	x	x	x	x	x
<i>Choerodon rubescens</i>	x	x	EF609330.1	x	x	x	x
<i>Choerodon schoenleinii</i>	AY279586.1	AY279689.1	EF609331.1	x	AY279895.1	AY279792.1	x
<i>Choerodon sugillatum</i>	x	x	x	x	x	x	x
<i>Choerodon venustus</i>	x	x	EF609332.1	x	x	x	x
<i>Choerodon vitta</i>	x	x	x	x	x	x	x
<i>Choerodon zamboangae</i>	x	x	x	x	x	x	x

<i>Choerodon zosterophorus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus adornatus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus aurantidorsalis</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus balteatus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus bathyphilus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus beauperryi</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus blatteus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus bruguieri</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus brunneus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus cenderawasih</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus claire</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus condei</i>	x	x	x	x	x	x	x
<b><i>Cirrhilabrus cyanopleura</i></b>	x	x	FJ583220.1	x	x	x	x
<i>Cirrhilabrus earlei</i>	x	x	x	x	x	x	x
<b><i>Cirrhilabrus exquisitus</i></b>	x	JF457424.1	FJ583222.1	x	x	x	x
<i>Cirrhilabrus filamentosus</i>	x	x	x	x	x	x	x
<b><i>Cirrhilabrus flavidorsalis</i></b>	x	x	FJ583231.1	x	x	x	x
<i>Cirrhilabrus humanni</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus hygroxerus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus joanallenae</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus johnsoni</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus jordani</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus katherinae</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus katoi</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus laboutei</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus lanceolatus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus lineatus</i>	x	x	x	x	x	x	x
<b><i>Cirrhilabrus lubbocki</i></b>	AY279587.1	AY279690.1	FJ583236.1	x	AY279896.1	AY279793.1	x
<i>Cirrhilabrus lunatus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus luteovittatus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus marjorie</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus melanomarginatus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus morrisoni</i>	x	x	x	x	x	x	x

<i>Cirrhilabrus nahackyi</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus naokoae</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus punctatus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus pylei</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus randalli</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus rhomboidalis</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus roseafascia</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus rubrimarginatus</i>	x	x	FJ583240.1	x	x	x	x
<i>Cirrhilabrus rubripinnis</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus rubrisquamis</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus rubriventralis</i>	x	x	FJ583242.1	x	x	x	x
<i>Cirrhilabrus sanguineus</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus scottorum</i>	x	JF457425.1	JF434936.1	JF458095.1	x	x	x
<i>Cirrhilabrus solorensis</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus temminckii</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus tonozukai</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus walindi</i>	x	x	x	x	x	x	x
<i>Cirrhilabrus walshi</i>	x	x	x	x	x	x	x
<i>Clepticus africanus</i>	x	x	x	x	x	x	x
<i>Clepticus brasiliensis</i>	x	x	x	x	x	x	x
<i>Clepticus parrae</i>	AY279588.1	AY279691.1	JQ842058.1	x	AY279897.1	AY279794.1	x
<i>Conniella apterygia</i>	x	x	x	x	x	x	x
<i>Coris atlantica</i>	x	x	GQ341590.1	x	x	x	x
<i>Coris auricularis</i>	x	x	JQ839414.1	x	x	x	x
<i>Coris aurilineata</i>	AY850839.1	AY850902.1	x	x	x	x	x
<i>Coris aygula</i>	AY850831.1	AY279692.1	JF434939.1	JF458097.1	AY279898.1	AY279795.1	x
<i>Coris ballieui</i>	x	x	x	x	x	x	x
<i>Coris batuensis</i>	AY850855.1	AY279694.1	x	x	AY279900.1	AY279797.1	x
<i>Coris bulbifrons</i>	x	x	EF609338.1	x	x	x	x
<i>Coris caudimacula</i>	x	JF457429.1	JF434941.1	JF458102.1	x	x	x
<i>Coris centralis</i>	x	x	x	x	x	x	x
<i>Coris cuvieri</i>	x	JF457435.1	JF434947.1	JF458104.1	x	x	x
<i>Coris debueni</i>	x	x	x	x	x	x	x

<i>Coris dorsomacula</i>	AY850830.1	AY850893.1	x	x	x	x	x
<i>Coris flavovittata</i>	AY850832.1	AY850895.1	x	x	x	x	x
<i>Coris formosa</i>	x	x	FJ583258.1	x	x	x	x
<i>Coris gaimard</i>	AY279590.1	AY850889.1	FJ583262.1	JF458107.1	AY279899.1	AY279796.1	x
<i>Coris hewetti</i>	x	x	x	x	x	x	x
<i>Coris julis</i>	AY092057.1	AY092044.1	KJ709507.1	AY328856.1	x	x	AY329669.1
<i>Coris latifasciata</i>	x	x	x	x	x	x	x
<i>Coris marquesensis</i>	x	x	x	x	x	x	x
<i>Coris musume</i>	x	x	x	x	x	x	x
<i>Coris nigrotaenia</i>	x	x	x	x	x	x	x
<i>Coris picta</i>	AY850829.1	AY850892.1	x	x	x	x	x
<i>Coris pictoides</i>	AY850840.1	AY850903.1	x	x	x	x	x
<i>Coris roseoviridis</i>	x	x	x	x	x	x	x
<i>Coris sandeyeri</i>	x	x	x	x	x	x	x
<i>Coris variegata</i>	x	x	x	x	x	x	x
<i>Coris venusta</i>	x	x	x	x	x	x	x
<i>Ctenolabrus rupestris</i>	x	x	x	x	x	x	x
<i>Cymolutes lecluse</i>	x	x	x	x	x	x	x
<i>Cymolutes praetextatus</i>	AY279593.1	AY279696.1	JF493309.1	x	AY279902.1	AY279799.1	x
<i>Cymolutes torquatus</i>	AY279594.1	AY279697.1	JF493310.1	x	AY279903.1	AY279800.1	x
<i>Decodon grandisquamis</i>	x	x	x	x	x	x	x
<i>Decodon melasma</i>	x	HQ127654.1	JQ839425.1	x	x	x	x
<i>Decodon pacificus</i>	x	x	x	x	x	x	x
<i>Decodon puellaris</i>	x	x	JQ839428.1	x	x	x	x
<i>Diproctacanthus xanthurus</i>	AY279595.1	AY279698.1	x	x	AY279904.1	AY279801.1	x
<i>Doratonotus megalepis</i>	x	x	JQ840026.1	x	x	x	x
<i>Dotalabrus alleni</i>	x	x	x	x	x	x	x
<i>Dotalabrus aurantiacus</i>	x	x	x	x	x	x	x
<i>Epibulus brevis</i>	x	EF520654.1	x	x	x	x	x
<i>Epibulus insidiator</i>	AY279596.1	JF457454.1	JF434969.1	JF458128.1	EU885923.1	AY279802.1	x
<i>Eupetrichthys angustipes</i>	AB121250.1	AB121250.1	x	x	x	x	x
<i>Frontilabrus caeruleus</i>	x	x	x	x	x	x	x
<i>Gomphosus caeruleus</i>	x	AY328984.1	JF434978.1	JF458133.1	x	x	AY329640.1



<i>Gomphosus varius</i>	AY279597.1	AY279700.1	JF434980.1	AY328858.1	AY279906.1	AY279803.1	AY329641.1
<i>Halichoeres adustus</i>	x	x	JQ839442.1	x	x	x	x
<i>Halichoeres aestuaricola</i>	x	x	x	x	x	x	x
<i>Halichoeres argus</i>	AY279598.1	AY279701.1	JQ839444.1	x	AY279907.1	AY279804.1	x
<i>Halichoeres bathyphilus</i>	x	x	JQ839445.1	x	x	x	x
<i>Halichoeres bicolor</i>	x	x	JX034554.1	x	x	x	x
<i>Halichoeres binotopsis</i>	AY850845.1	AY850908.1	x	x	x	x	x
<i>Halichoeres biocellatus</i>	AY850852.1	AY850915.1	FJ583486.1	x	x	x	x
<i>Halichoeres bivittatus</i>	AY279599.1	AY279702.1	JQ842511.1	AY823568.1	AY279908.1	AY279805.1	EF488023.1
<i>Halichoeres bleekeri</i>	x	x	x	x	x	x	x
<i>Halichoeres brasiliensis</i>	x	x	x	AY823577.1	x	x	x
<i>Halichoeres brownfieldi</i>	AY850860.1	AY850923.1	x	x	x	x	x
<i>Halichoeres burekæ</i>	x	x	x	x	x	x	x
<i>Halichoeres caudalis</i>	x	x	x	x	x	x	x
<i>Halichoeres chierchiae</i>	x	x	JQ839457.1	GU938857.1	x	x	x
<i>Halichoeres chlorocephalus</i>	x	x	x	x	x	x	x
<i>Halichoeres chloropterus</i>	AY850861.1	DQ164176.1	FJ583493.1	x	x	x	x
<i>Halichoeres chrysus</i>	AY850853.1	AF285941.1	FJ583495.1	x	x	x	x
<i>Halichoeres claudia</i>	x	x	JQ724921.1	x	x	x	x
<i>Halichoeres cosmetus</i>	x	JF457472.1	JF493593.1	JF458136.1	x	x	x
<i>Halichoeres cyanocephalus</i>	x	x	JQ839462.1	AY591383.1	x	x	x
<i>Halichoeres dimidiatus</i>	x	x	x	x	x	x	x
<i>Halichoeres discolor</i>	x	x	JQ839464.1	x	x	x	x
<i>Halichoeres dispilus</i>	AY850813.1	AY850876.1	JQ839467.1	x	x	x	x
<i>Halichoeres erdmanni</i>	x	x	x	x	x	x	x
<i>Halichoeres garnoti</i>	AY850819.1	AY850882.1	JQ841593.1	AY591375.1	x	x	EF488016.1
<i>Halichoeres hartzfeldii</i>	AY279600.1	AY279703.1	JQ839471.1	x	AY279909.1	AY279806.1	x
<i>Halichoeres hilomeni</i>	x	x	x	x	x	x	x
<i>Halichoeres hortulanus</i>	AY279601.1	AY850886.1	JF434989.1	KC187972.1	AY279910.1	AY279807.1	EF488031.1
<i>Halichoeres insularis</i>	x	x	JQ839474.1	GU938863.1	x	x	x
<i>Halichoeres iridis</i>	x	x	JF493597.1	x	x	x	x
<i>Halichoeres kallochroma</i>	x	x	x	x	x	x	x
<i>Halichoeres lapillus</i>	DQ164143.1	DQ164178.1	JF493598.1	x	x	x	x

<i>Halichoeres leptotaenia</i>	x	x	x	x	x	x	x
<i>Halichoeres leucoxanthus</i>	DQ164144.1	DQ164179.1	FJ583510.1	x	x	x	x
<i>Halichoeres leucurus</i>	x	x	x	x	x	x	x
<i>Halichoeres leucurus</i>	AY850848.1	AY850911.1	x	x	x	x	x
<i>Halichoeres maculipinna</i>	AY850811.1	AY850874.1	JQ839480.1	AF370624.1	x	U70354.1	x
<i>Halichoeres malpelo</i>	x	x	x	x	x	x	x
<i>Halichoeres margaritaceus</i>	AY279602.1	AY279705.1	JQ431842.1	x	AY2799	AY2798	x
<i>Halichoeres marginatus</i>	AY279603.1	AY279706.1	JF434994.1	JF458145.1	AY279912.	AY279809.1	JN935369.1
<i>Halichoeres melanochir</i>	x	x	JX034556.1	x	x	x	x
<i>Halichoeres melanotis</i>	x	x	JQ839488.1	GU938864.1	x	x	x
<i>Halichoeres melanurus</i>	AY850844.1	AP006018.1	FJ583517.1	AY208614.1	x	x	x
<i>Halichoeres melas</i>	x	x	x	x	x	x	x
<i>Halichoeres melasmapomus</i>	AY850850.1	AY850913.1	x	x	x	x	x
<i>Halichoeres miniatus</i>	AY279604.1	AY279707.1	x	x	AY279913.1	AY279810.1	x
<i>Halichoeres nebulosus</i>	AY850859.1	AY850922.1	JF493602.1	x	x	x	x
<i>Halichoeres nicholsi</i>	AY279605.1	AY850879.1	JQ839498.1	x	AY279914.1	AY279811.1	EF488032.1
<i>Halichoeres nigrescens</i>	AY850854.1	JF457485.1	JF434999.1	x	x	x	x
<i>Halichoeres notospilus</i>	AY279606.1	AY279709.1	JQ839500.1	GU938856.1	AY279915.1	AY279812.1	x
<i>Halichoeres orientalis</i>	x	x	x	x	x	x	x
<i>Halichoeres ornatissimus</i>	AY850851.1	JF457489.1	JF435004.1	x	x	x	x
<i>Halichoeres pallidus</i>	x	x	x	x	x	x	x
<i>Halichoeres papilionaceus</i>	AY279609.1	AY279712.1	x	x	AY279918.1	AY279918.1	x
<i>Halichoeres pardaleocephalus</i>	x	x	x	x	x	x	x
<i>Halichoeres pelicier</i>	x	x	JF493603.1	x	x	x	x
<i>Halichoeres penrosei</i>	x	x	x	x	x	x	x
<i>Halichoeres pictus</i>	AY850815.1	AY850878.1	JQ839502.1	x	x	x	EF488034.1
<i>Halichoeres podostigma</i>	AY850856.1	AY850919.1	JQ952619.1	x	x	x	x
<i>Halichoeres poeyi</i>	AY850820.1	AY850883.1	JQ841595.1	AY823578.1	x	x	EF488036.1
<i>Halichoeres prosopeion</i>	AY850838.1	AY850901.1	JX438019.1	x	x	x	x
<i>Halichoeres radiatus</i>	AY279607.1	AY850881.1	JQ840527.1	AY823571.1	AY279916.1	AY279813.1	EF488038.1
<i>Halichoeres richmondi</i>	AY850849.1	AY850912.1	x	x	x	x	x
<i>Halichoeres rubricephalus</i>	x	x	x	x	x	x	x
<i>Halichoeres rubrovirens</i>	x	x	x	x	x	x	x

<i>Halichoeres salmofasciatus</i>	x	x	JQ839527.1	x	x	x	x
<i>Halichoeres sazimai</i>	x	x	x	x	x	x	x
<i>Halichoeres scapularis</i>	AY279608.1	AY279711.1	JF435010.1	JF458148.1	AY279917.	AY279814.1	x
<i>Halichoeres semicinctus</i>	AY850822.1	AY328986.1	JQ839531.1	AY328859.1	x	x	AY329642.1
<i>Halichoeres signifer</i>	x	x	x	x	x	x	x
<i>Halichoeres socialis</i>	AY850814.1	AY850877.1	x	x	x	x	x
<i>Halichoeres solorensis</i>	AY279610.1	AY850904.1	x	x	AY279919.1	AY279816.1	x
<i>Halichoeres stigmaticus</i>	x	x	x	x	x	x	x
<i>Halichoeres tenuispinis</i>	EU082205.1	AB121236.1	HM180596.1	EU082205.1	x	x	x
<i>Halichoeres timorensis</i>	x	x	KF422721.1	x	x	x	x
<i>Halichoeres trimaculatus</i>	AY850825.1	EU087704.1	JF435011.1	EU087704.1	x	x	x
<i>Halichoeres trispilus</i>	x	x	HM421819.1	x	x	x	x
<i>Halichoeres vrolikii</i>	x	x	x	x	x	x	x
<i>Halichoeres zeylonicus</i>	x	x	FJ158564.1	x	x	x	x
<i>Halichoeres zulu</i>	x	x	x	x	x	x	x
<i>Hemigymnus fasciatus</i>	AJ810136.1	JF457502.1	FJ583533.1	JF458149.1	x	x	x
<i>Hemigymnus melapterus</i>	AY279611.1	AY279714.1	JF435018.1	JF458153.1	AY279920.1	AY279817.1	x
<i>Hemigymnus sexfasciatus</i>	x	x	x	x	x	x	x
<i>Hologymnosus annulatus</i>	AY850834.1	JF457524.1	JF435036.1	JF458174.1	x	x	x
<i>Hologymnosus doliatus</i>	AY279612.1	AY279715.1	JF493654.1	x	AY279921.1	AY279818.1	x
<i>Hologymnosus longipes</i>	x	x	x	x	x	x	x
<i>Hologymnosus rhodonotus</i>	x	x	x	x	x	x	x
<i>Iniistius aneitensis</i>	AY279654.1	AY279757.1	x	x	AY279963.1	AY279860.1	x
<i>Iniistius auropunctatus</i>	x	x	x	x	x	x	x
<i>Iniistius baldwini</i>	x	x	x	x	x	x	x
<i>Iniistius bimaculatus</i>	x	x	x	x	x	x	x
<i>Iniistius brevipinnis</i>	x	x	x	x	x	x	x
<i>Iniistius celebicus</i>	x	x	x	x	x	x	x
<i>Iniistius cyanifrons</i>	x	x	x	x	x	x	x
<i>Iniistius dea</i>	x	x	x	x	x	x	x
<i>Iniistius evides</i>	x	x	x	x	x	x	x
<i>Iniistius geisha</i>	x	x	x	x	x	x	x
<i>Iniistius griffithsi</i>	x	x	x	x	x	x	x

<i>Iniistius jacksonensis</i>	x	x	x	x	x	x	x
<i>Iniistius melanopus</i>	x	x	x	x	x	x	x
<i>Iniistius naevus</i>	x	x	x	x	x	x	x
<b><i>Iniistius pavo</i></b>	<b>x</b>	<b>x</b>	<b>JF493674.1</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<i>Iniistius pavo</i>	x	x	x	x	x	x	x
<i>Iniistius pentadactylus</i>	x	x	x	x	x	x	x
<i>Iniistius pentadactylus</i>	x	x	x	x	x	x	x
<i>Iniistius spilonotus</i>	x	x	x	x	x	x	x
<i>Iniistius trivittatus</i>	x	x	x	x	x	x	x
<i>Iniistius twistii</i>	x	x	x	x	x	x	x
<i>Iniistius umbrilatus</i>	x	x	x	x	x	x	x
<i>Iniistius verrens</i>	x	x	x	x	x	x	x
<b><i>Labrichthys unilineatus</i></b>	<b>AY850812.1</b>	<b>AY279716.1</b>	<b>JF493715.1</b>	<b>x</b>	<b>AY279922.1</b>	<b>AY279819.1</b>	<b>x</b>
<b><i>Labroides bicolor</i></b>	<b>AY279614.1</b>	<b>AY279717.1</b>	<b>JQ431875.1</b>	<b>x</b>	<b>AY279923.1</b>	<b>AY279820.1</b>	<b>x</b>
<b><i>Labroides dimidiatus</i></b>	<b>AY279615.1</b>	<b>AY279718.1</b>	<b>JF435043.1</b>	<b>JF458175.1</b>	<b>EU256864.1</b>	<b>AY279821.1</b>	<b>x</b>
<b><i>Labroides pectoralis</i></b>	<b>x</b>	<b>x</b>	<b>JQ839545.1</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Labroides phthirophagus</i></b>	<b>x</b>	<b>x</b>	<b>DQ521031.1</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Labroides rubrolabiatus</i></b>	<b>AY279616.1</b>	<b>AY279719.1</b>	<b>x</b>	<b>x</b>	<b>AY279925.1</b>	<b>AY279822.1</b>	<b>x</b>
<b><i>Labropsis alleni</i></b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Labropsis australis</i></b>	<b>AY279617.1</b>	<b>AY279720.1</b>	<b>x</b>	<b>x</b>	<b>AY279926.1</b>	<b>AY279823.1</b>	<b>x</b>
<b><i>Labropsis manabei</i></b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Labropsis micronesica</i></b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Labropsis polynesica</i></b>	<b>x</b>	<b>JF457530.1</b>	<b>JF435044.1</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Labropsis xanthonota</i></b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Labrus bergylta</i></b>	<b>AY141392.1</b>	<b>AY141462.1</b>	<b>JN231246.1</b>	<b>EF427568.1</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Labrus merula</i></b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Labrus mixtus</i></b>	<b>x</b>	<b>KJ128799.1</b>	<b>JQ775044.1</b>	<b>EU492296.1</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Labrus viridis</i></b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Lachnolaimus maximus</i></b>	<b>AY279618.1</b>	<b>AY279721.1</b>	<b>JQ840568.1</b>	<b>EU601404.1</b>	<b>EU601354.1</b>	<b>AY279824.1</b>	<b>x</b>
<b><i>Lappanella fasciata</i></b>	<b>x</b>	<b>AF517589.1</b>	<b>GQ341597.1</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>GQ341615.1</b>
<b><i>Lappanella guineensis</i></b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b><i>Larabicus quadrilineatus</i></b>	<b>AY279619.1</b>	<b>AY279722.1</b>	<b>x</b>	<b>x</b>	<b>AY279928.1</b>	<b>AY279825.1</b>	<b>x</b>
<b><i>Leptojulius chrysotaenia</i></b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>

<i>Leptojulius cyanopleura</i>	AY279620.1	AY279723.1	JQ839546.1	x	AY279929.1	AY279826.1	x
<i>Leptojulius lambdastigma</i>	x	x	x	x	x	x	x
<i>Leptojulius polylepis</i>	x	x	x	x	x	x	x
<i>Leptojulius urostigma</i>	x	x	x	x	x	x	x
<i>Macropharyngodon bipartitus</i>	x	x	x	x	x	x	x
<i>Macropharyngodon choati</i>	AY850836.1	AY850899.1	x	x	x	x	x
<i>Macropharyngodon cyanoguttatus</i>	x	DQ164167.1	x	x	x	x	E
<i>Macropharyngodon geoffroy</i>	AY279621.1	AY279724.1	JQ839547.1	x	AY279930.1	AY279827.1	x
<i>Macropharyngodon kuiteri</i>	DQ164134.1	DQ164169.1	x	x	x	x	x
<i>Macropharyngodon marisrubri</i>	x	x	x	x	x	x	x
<i>Macropharyngodon meleagris</i>	AY279622.1	AY279725.1	FJ583639.1	x	AY279931.1	AY279828.1	x
<i>Macropharyngodon moyeri</i>	x	x	x	x	x	x	x
<i>Macropharyngodon negrosensis</i>	AY850835.1	DQ164171.1	JQ839548.1	x	x	x	x
<i>Macropharyngodon ornatus</i>	DQ164137.1	DQ164172.1	FJ583646.1	x	x	x	x
<i>Macropharyngodon pakoko</i>	x	x	x	x	x	x	x
<i>Macropharyngodon vivienae</i>	x	x	x	x	x	x	x
<i>Malapterus reticulatus</i>	x	x	x	x	x	x	x
<i>Minilabrus striatus</i>	x	x	x	x	x	x	x
<i>Notolabrus celidotus</i>	x	x	x	x	x	x	x
<i>Notolabrus cinctus</i>	x	x	x	x	x	x	x
<i>Notolabrus fucicola</i>	x	EU848435.1	x	x	x	x	x
<i>Notolabrus gymnogenis</i>	AY279625.1	AY279728.1	EF609418.1	x	AY279934.1	AY279831.1	x
<i>Notolabrus inscriptus</i>	x	x	x	x	x	x	x
<i>Notolabrus parilus</i>	AB121240.1	AB121240.1	x	x	x	x	x
<i>Notolabrus tetricus</i>	x	x	x	x	x	x	x
<i>Novaculichthys taeniourus</i>	AY279627.1	AY279730.1	JF435061.1	x	AY279936.1	AY279833.1	x
<i>Novaculoides macrolepidotus</i>	x	x	x	x	x	x	x
<i>Novaculops alvheimi</i>	x	x	x	x	x	x	x
<i>Novaculops halsteadi</i>	x	x	x	x	x	x	x
<i>Novaculops koteamea</i>	x	x	x	x	x	x	x
<i>Novaculops pastellus</i>	x	x	x	x	x	x	x
<i>Novaculops sciistius</i>	x	x	x	x	x	x	x
<i>Novaculops woodi</i>	x	x	x	x	x	x	x

<i>Ophthalmolepis lineolata</i>	AY279628.1	AY279731.1	JQ839560.1	x	AY279937.1	AY279834.1	x
<i>Oxycheilinus arenatus</i>	x	JF457548.1	JF435062.1	x	x	x	x
<i>Oxycheilinus bimaculatus</i>	x	x	x	x	x	x	x
<i>Oxycheilinus celebicus</i>	AY279630.1	AY279733.1	x	x	AY279939.1	AY279836.1	x
<i>Oxycheilinus digramma</i>	EU601221.1	JF457550.1	JF435064.1	JF458187.1	EU601350.1	EU601300.1	x
<i>Oxycheilinus lineatus</i>	x	x	x	x	x	x	x
<i>Oxycheilinus mentalis</i>	x	x	x	x	x	x	x
<i>Oxycheilinus nigromarginatus</i>	x	x	x	x	x	x	x
<i>Oxycheilinus orientalis</i>	x	x	x	x	x	x	x
<i>Oxycheilinus unifasciatus</i>	AY279631.1	x	JF435068.1	JF458189.1	AY279940.1	AY279837.1	x
<i>Oxyjulis californica</i>	x	x	x	x	x	x	x
<i>Paracheilinus alfiani</i>	x	x	x	x	x	x	x
<i>Paracheilinus angulatus</i>	x	x	KF709104.1	x	x	x	x
<i>Paracheilinus attenuatus</i>	x	x	x	x	x	x	x
<i>Paracheilinus bellae</i>	x	x	x	x	x	x	x
<i>Paracheilinus carpenteri</i>	x	x	FJ583811.1	x	x	x	x
<i>Paracheilinus cyaneus</i>	x	x	KF709100.1	x	x	x	x
<i>Paracheilinus filamentosus</i>	x	x	KF709109.1	x	x	x	x
<i>Paracheilinus flavianalis</i>	x	x	KF709103.1	x	x	x	x
<i>Paracheilinus hemitaeniatus</i>	x	x	KF489688.1	x	x	x	x
<i>Paracheilinus lineopunctatus</i>	x	x	x	x	x	x	x
<i>Paracheilinus mccoskeri</i>	x	x	FJ583818.1	x	x	x	x
<i>Paracheilinus nursalim</i>	x	x	x	x	x	x	x
<i>Paracheilinus octotaenia</i>	x	x	x	x	x	x	x
<i>Paracheilinus piscilineatus</i>	x	x	x	x	x	x	x
<i>Paracheilinus rennyae</i>	x	x	x	x	x	x	x
<i>Paracheilinus rubricaudalis</i>	x	x	x	x	x	x	x
<i>Paracheilinus togeanensis</i>	x	x	x	x	x	x	x
<i>Paracheilinus walton</i>	x	x	KF709097.1	x	x	x	x
<i>Parajulis poecilepterus</i>	EF192032.1	EF192032.2	JF952750.1	EF192032.1	x	x	x
<i>Pictilabrus brauni</i>	x	x	x	x	x	x	x
<i>Pictilabrus laticlavus</i>	AY279633.1	AY279736.1	x	x	AY279942.1	AY279839.1	x
<i>Pictilabrus viridis</i>	x	x	x	x	x	x	x

<i>Polylepion cruentum</i>	x	x	x	x	x	x	x
<i>Polylepion russelli</i>	x	JF457577.1	JF435093.1	x	x	x	x
<i>Pseudocheilinops ataenia</i>	x	x	x	x	x	x	x
<i>Pseudocheilinus citrinus</i>	x	x	x	x	x	x	x
<i>Pseudocheilinus dispilus</i>	x	x	x	x	x	x	x
<i>Pseudocheilinus evanidus</i>	x	JF457623.1	FJ583965.1	x	x	x	x
<i>Pseudocheilinus hexataenia</i>	x	JF457624.1	FJ583967.1	x	x	x	x
<i>Pseudocheilinus ocellatus</i>	x	JF457626.1	JF435142.1	x	x	x	x
<i>Pseudocheilinus octotaenia</i>	AY279634.1	AY279737.1	FJ583972.1	x	AY279943.1	AY279840.1	x
<i>Pseudocheilinus tetrataenia</i>	x	JF457630.1	JF435147.1	x	x	x	x
<i>Pseudocoris aequalis</i>	x	x	x	x	x	x	x
<i>Pseudocoris aurantiofasciata</i>	x	JF457632.1	JF435148.1	x	x	x	x
<i>Pseudocoris bleekeri</i>	x	x	FJ583992.1	x	x	x	x
<i>Pseudocoris heteroptera</i>	AY850827.1	AY850890.1	FJ583991.1	x	x	x	x
<i>Pseudocoris ocellata</i>	x	x	x	x	x	x	x
<i>Pseudocoris petila</i>	x	x	x	x	x	x	x
<i>Pseudocoris yamashiroi</i>	AY279635.1	AY279738.1	JQ839564.1	x	AY279944.	AY279841.1	x
<i>Pseudodax moluccanus</i>	AY279636.1	AY081211.1	JF494298.1	AY081133.1	EU601356.1	AY279842.1	x
<i>Pseudojuloides argyreogaster</i>	x	x	x	x	x	x	x
<i>Pseudojuloides atavai</i>	AY279637.1	AY279740.1	JF435151.1	x	AY279946.1	AY279843.1	x
<i>Pseudojuloides cerasinus</i>	AY279638.1	AY279741.1	JQ839572.1	x	AY279947.1	AY279844.1	x
<i>Pseudojuloides edwardi</i>	x	x	x	x	x	x	x
<i>Pseudojuloides elongatus</i>	x	x	KJ591647.1	x	x	x	x
<i>Pseudojuloides erythrops</i>	x	x	x	x	x	x	x
<i>Pseudojuloides kaleidos</i>	x	x	x	x	x	x	x
<i>Pseudojuloides mesostigma</i>	x	x	x	x	x	x	x
<i>Pseudojuloides pyrius</i>	x	x	KJ591650.1	x	x	x	x
<i>Pseudojuloides severnsi</i>	x	x	JQ839574.1	x	x	x	x
<i>Pseudojuloides xanthomos</i>	x	x	KJ591657.1	x	x	x	x
<i>Pseudolabrus biserialis</i>	AB121242.1	AB121242.1	x	x	x	x	x
<i>Pseudolabrus eoethinus</i>	EU560728.1	AB121243.1	x	EU560728.1	x	x	x
<i>Pseudolabrus fuentesi</i>	AB121244.1	AB121244.1	x	x	x	x	x
<i>Pseudolabrus gayi</i>	AY279639.1	AY279742.1	x	x	AY279948.1	AY279845.1	x

<i>Pseudolabrus guentheri</i>	AB121245.1	AB121245.1	x	x	x	x	x
<i>Pseudolabrus japonicus</i>	x	x	x	AB018993.1	x	x	x
<i>Pseudolabrus luculentus</i>	x	x	x	x	x	x	x
<i>Pseudolabrus miles</i>	x	x	x	x	x	x	x
<i>Pseudolabrus rubicundus</i>	x	x	x	x	x	x	x
<i>Pseudolabrus semifasciatus</i>	x	x	x	x	x	x	x
<i>Pseudolabrus sieboldi</i>	EU560727.1	AB029282.1	HM180806.1	EU560727.1	x	x	x
<i>Pseudolabrus torotai</i>	x	x	x	x	x	x	x
<i>Pteragogus aurigarius</i>	x	x	x	x	x	x	x
<i>Pteragogus clarkae</i>	x	x	x	x	x	x	x
<i>Pteragogus cryptus</i>	AY279641.1	AY279744.1	JQ839575.1	x	AY279950.1	AY279847.1	x
<i>Pteragogus enneacanthus</i>	x	x	x	x	x	x	x
<i>Pteragogus flagellifer</i>	EF409976.1	EF409976.2	JF952829.1	EF409976.1	x	x	x
<i>Pteragogus guttatus</i>	x	x	x	x	x	x	x
<i>Pteragogus pelycus</i>	x	x	x	x	x	x	x
<i>Pteragogus taeniops</i>	x	x	x	x	x	x	x
<i>Pteragogus trispilus</i>	x	x	x	x	x	x	x
<i>Pteragogus variabilis</i>	x	x	x	x	x	x	x
<i>Sagittalarva inornatus</i>	x	x	x	x	x	x	x
<i>Semicossyphus darwini</i>	x	HM211197.1	x	x	x	x	x
<i>Semicossyphus pulcher</i>	AY279644.1	AY920487.2	JQ934968.1	EU601405.1	EU601355.1	AY279850.1	x
<i>Semicossyphus reticulatus</i>	x	x	x	x	x	x	x
<i>Stethojulis albovittata</i>	AJ810145.1	JF457658.1	JF435176.1	JF458269.1	x	x	x
<i>Stethojulis balteata</i>	DQ164146.1	DQ164181.1	JQ839597.1	x	x	x	x
<i>Stethojulis bandanensis</i>	AY279646.1	AY279749.1	FJ584127.1	JF458272.1	AY279955.1	AY279852.1	x
<i>Stethojulis interrupta</i>	x	x	JF494596.1	x	x	x	x
<i>Stethojulis maculata</i>	x	x	x	x	x	x	x
<i>Stethojulis marquesensis</i>	x	x	x	x	x	x	x
<i>Stethojulis notialis</i>	x	x	x	x	x	x	x
<i>Stethojulis strigiventer</i>	x	JF457662.1	JF435179.1	JF458273.1	x	x	x
<i>Stethojulis terina</i>	x	x	KF265021.1	KF265107.1	x	KF265202.1	x
<i>Stethojulis trilineata</i>	AY279647.1	AY279750.1	JQ839609.1	x	AY279956.1	AY279853.1	x
<i>Suezichthys arquatus</i>	x	x	x	x	x	x	x



<i>Suezichthys aylingi</i>	x	x	x	x	x	x	x
<i>Suezichthys bifurcatus</i>	x	x	x	x	x	x	x
<i>Suezichthys caudavittatus</i>	x	x	x	x	x	x	x
<i>Suezichthys cyanolaemus</i>	x	x	x	x	x	x	x
<i>Suezichthys devisi</i>	x	x	x	x	x	x	x
<b><i>Suezichthys gracilis</i></b>	<b>AB121238.1</b>	<b>AB121238.1</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<i>Suezichthys notatus</i>	x	x	x	x	x	x	x
<i>Suezichthys ornatus</i>	x	x	x	x	x	x	x
<i>Suezichthys rosenblatti</i>	x	x	x	x	x	x	x
<i>Suezichthys russelli</i>	x	x	x	x	x	x	x
<i>Suezichthys soelae</i>	x	x	x	x	x	x	x
<i>Symphodus bailloni</i>	x	x	x	x	x	x	x
<i>Symphodus caeruleus</i>	x	x	x	x	x	x	x
<i>Symphodus cinereus</i>	x	x	x	x	x	x	x
<i>Symphodus doderleini</i>	x	x	x	x	x	x	x
<b><i>Symphodus mediterraneus</i></b>	<b>AJ810148.1</b>	<b>AF517601.1</b>	<b>GQ341607.1</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>GQ341620.1</b>
<i>Symphodus melops</i>	x	x	x	x	x	x	x
<i>Symphodus ocellatus</i>	x	x	x	x	x	x	x
<i>Symphodus roissali</i>	x	x	x	x	x	x	x
<i>Symphodus rostratus</i>	x	x	x	x	x	x	x
<i>Symphodus tinca</i>	x	x	x	x	x	x	x
<b><i>Symphodus trutta</i></b>	<b>AY092046.1</b>	<b>AY092035.1</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>GQ341614.1</b>
<i>Tautoga onitis</i>	x	x	x	x	x	x	x
<i>Tautogolabrus adspersus</i>	x	x	x	x	x	x	x
<i>Terelabrus dewapyle</i>	x	x	x	x	x	x	x
<i>Terelabrus rubrovittatus</i>	x	x	x	x	x	x	x
<b><i>Thalassoma amblycephalum</i></b>	x	<b>AY328987.1</b>	<b>JF435181.1</b>	<b>AY328860.1</b>	<b>x</b>	<b>x</b>	<b>AY329643.1</b>
<b><i>Thalassoma ascensionis</i></b>	x	<b>AY328988.1</b>	<b>x</b>	<b>AY328861.1</b>	<b>x</b>	<b>x</b>	<b>AY329644.1</b>
<b><i>Thalassoma ballieui</i></b>	x	<b>AY328989.1</b>	<b>DQ521017.1</b>	<b>AY328862.1</b>	<b>x</b>	<b>x</b>	<b>AY329645.1</b>
<b><i>Thalassoma bifasciatum</i></b>	<b>AY279650.1</b>	<b>AY279753.1</b>	<b>FJ584177.1</b>	<b>AY328863.1</b>	<b>AY279959.1</b>	<b>AY279856.1</b>	<b>AY329646.1</b>
<b><i>Thalassoma cupido</i></b>	x	<b>AY328991.1</b>	<b>JX034560.1</b>	<b>AY328864.1</b>	<b>x</b>	<b>x</b>	<b>AY329647.1</b>
<b><i>Thalassoma duperrey</i></b>	x	<b>AY328994.1</b>	<b>KF930499.1</b>	<b>AY328865.1</b>	<b>x</b>	<b>x</b>	<b>AY329648.1</b>
<b><i>Thalassoma genivittatum</i></b>	x	<b>AY328992.1</b>	<b>JF435188.1</b>	<b>AY328866.1</b>	<b>x</b>	<b>x</b>	<b>AY329649.1</b>

<i>Thalassoma grammaticum</i>	x	AY328993.1	JQ839619.1	AY328867.1	x	x	AY329650.1
<i>Thalassoma hardwicke</i>	AY850802.1	AY850865.1	JF435191.1	AY328868.1	x	x	AY329651.1
<i>Thalassoma hebraicum</i>	x	AY328996.1	JF435199.1	AY328869.1	x	x	AY329652.1
<i>Thalassoma heiseri</i>	x	x	x	x	x	x	x
<i>Thalassoma jansenii</i>	x	AY328997.1	FJ459569.1	AY328870.1	x	x	AY329653.1
<i>Thalassoma loxum</i>	x	AY328998.1	x	AY328871.1	x	x	AY329654.1
<i>Thalassoma lucasanum</i>	x	AY328999.1	JQ839621.1	AY328872.1	x	x	AY329655.1
<i>Thalassoma lunare</i>	AY279651.1	AY279754.1	JF435201.1	AY328873.1	AY279960.1	AY279857.1	AY329656.1
<i>Thalassoma lutescens</i>	AY850800.1	AY329001.1	FJ584186.1	AY328874.1	x	x	AY329657.1
<i>Thalassoma newtoni</i>	x	AY329002.1	x	AY328875.1	x	x	AY329658.1
<i>Thalassoma nigrofasciatum</i>	x	x	x	x	x	x	x
<i>Thalassoma noronhanum</i>	x	AY329003.1	JQ839627.1	AY328876.1	x	x	AY329659.1
<i>Thalassoma pavo</i>	x	AY329004.1	GQ341611.1	DQ198011.1	x	x	AY329660.1
<i>Thalassoma purpureum</i>	x	AY329005.1	JF435209.1	AY328878.1	x	x	AY329661.1
<i>Thalassoma quinquevittatum</i>	AY850801.1	AY850864.1	JF435210.1	AY328879.1	x	x	AY329662.1
<i>Thalassoma robertsoni</i>	x	AY329007.1	JQ839642.1	AY328880.1	x	x	AY329663.1
<i>Thalassoma rueppellii</i>	x	AY329008.1	x	AY328881.1	x	x	AY329664.1
<i>Thalassoma sanctaehelenae</i>	x	AY329009.1	x	AY328882.1	x	x	AY329665.1
<i>Thalassoma septemfasciatum</i>	x	AY329010.1	x	AY328883.1	x	x	AY329666.1
<i>Thalassoma trilobatum</i>	x	AY329011.1	JQ839651.1	AY328884.1	x	x	AY329667.1
<i>Thalassoma virens</i>	x	AY329012.1	JQ839652.1	AY328885.1	x	x	AY329668.1
<i>Wetmorella albofasciata</i>	x	x	JQ432219.1	x	x	x	x
<i>Wetmorella nigropinnata</i>	AY279652.1	AY279755.1	JF435215.1	JF458287.1	AY279961	AY279858	x
<i>Wetmorella tanakai</i>	x	x	x	x	x	x	x
<i>Xenojulius margaritaceus</i>	x	x	x	x	x	x	x
<i>Xiphocheilus typus</i>	AY279653.1	AY279756.1	x	x	AY279962.1	AY279859.1	x
<i>Xyrichtys blanchardi</i>	x	x	x	x	x	x	x
<i>Xyrichtys incandescens</i>	x	x	x	x	x	x	x
<i>Xyrichtys javanicus</i>	x	x	x	x	x	x	x
<i>Xyrichtys martinicensis</i>	AY279655.1	AY279758.1	JQ839659.1	x	AY279964.1	AY279861.1	x
<i>Xyrichtys mundiceps</i>	x	x	JQ839662.1	x	x	x	x
<i>Xyrichtys novacula</i>	KJ433962.1	KJ433965.1	JQ839668.1	EF439246.1	x	x	x
<i>Xyrichtys rajagopalani</i>	x	x	x	x	x	x	x

	<i>Xyrichtys sanctaehelenae</i>	x	x	x	x	x	x	x
	<i>Xyrichtys splendens</i>	x	x	JQ839680.1	x	x	x	x
	<i>Xyrichtys victori</i>	x	x	x	x	x	x	x
	<i>Xyrichtys wellingtoni</i>	x	x	JQ839686.1	x	x	x	x
Odacidae	<i>Haletta semifasciata</i>	AY279656.1	AY279759.1	EF609368.1	x	AY279965.1	AY662808.1	x
(tribe)	<i>Heteroscarus acroptilus</i>	x	x	KM224714.1	x	x	x	x
	<i>Neodax balteatus</i>	AY279657.1	AY279760.1	KM224715.1	x	AY279966.1	AY279863.1	x
	<i>Odax cyanoallix</i>	AY279659.1	AY279762.1	NC_009061.1	NC_009061.1	AY279969.1	AY279865.1	x
	<i>Odax pullus</i>	AY279661.1	AY279764.1	x	x	AY279970.1	AY279867.1	x
	<i>Olisthops cyanomelas</i>	AY279660.1	AY279763.1	x	x	x	AY279866.1	x
	<i>Siphonognathus argyrophanes</i>	AY279662.1	AY279765.1	x	x	AY279971.1	AY279868.1	x
	<i>Siphonognathus attenuatus</i>	x	x	x	x	x	x	x
	<i>Siphonognathus beddomei</i>	x	x	x	x	x	x	x
	<i>Siphonognathus caninis</i>	x	x	x	x	x	x	x
	<i>Siphonognathus radiatus</i>	x	x	x	x	x	x	x
	<i>Siphonognathus tanyourus</i>	x	x	x	x	x	x	x
Scaridae	<i>Bolbometopon muricatum</i>	EU601178.	AY081091.1	x	AY081126.	EU601307.	EU601263.1	JX026592.1
(tribe)	<i>Calotomus carolinus</i>	EU601179.1	AY081092.1	FJ237664.1	AY081127.1	EU601308.1	EU601264.1	x
	<i>Calotomus japonicus</i>	x	x	x	x	x	x	x
	<i>Calotomus spinidens</i>	EU601180.1	EU601228.1	JF493012.1	EU601359.1	EU601309.1	EU601265.1	x
	<i>Calotomus viridescens</i>	x	x	x	x	x	x	x
	<i>Calotomus zonarchus</i>	x	x	DQ521016.1	x	x	x	x
	<i>Cetoscarus bicolor</i>	EU601181.1	AY662707.1	JQ349875.1	AY081123.1	EU601310.1	AY662807.1	JX026593.1
	<i>Cetoscarus ocellatus</i>	x	x	x	x	x	x	x
	<i>Chlorurus atrilunula</i>	x	JX026457.1	x	x	x	x	JX026596.1
	<i>Chlorurus bleekeri</i>	EU601182.1	EU601230.1	x	EU601361.1	EU601311.1	EU601267.1	JX026597.1
	<i>Chlorurus bowersi</i>	EU601183.1	EU601231.1	x	EU601362.1	EU601312.1	EU601268.1	JX026598.1
	<i>Chlorurus capistratoides</i>	EU60118	EU601232.1	x	EU60136	EU60131	EU60126	JX02659
	<i>Chlorurus cyanescens</i>	x	JX026461.1	x	x	x	x	JX026600.1
	<i>Chlorurus enneacanthus</i>	x	JX026462.1	x	x	x	x	JX026601.1
	<i>Chlorurus frontalis</i>	x	JX026463.1	JQ431617.1	x	x	x	JX026602.1
	<i>Chlorurus genazonatus</i>	x	x	x	x	x	x	x
	<i>Chlorurus gibbus</i>	x	JX026464.1	FJ237699.1	x	x	x	x

<i>Chlorurus japanensis</i>	EU601209.1	EU601250.1	x	EU601388.1	EU601338.1	EU601288.1	JX026603.1
<i>Chlorurus microrhinos</i>	EU601185.1	EU601233.1	x	EU601364.1	EU601314.1	EU601270.1	JX026604.1
<i>Chlorurus oedema</i>	EU601186.1	AY081090.1	x	AY081125.1	EU601315.1	x	JX026605.1
<i>Chlorurus perspicillatus</i>	x	JX026468.1	x	KF80919	x	x	JX02660
<i>Chlorurus rhakoura</i>	x	JX026469.1	x	x	x	x	JX026607.1
<i>Chlorurus sordidus</i>	AY279584.1	AY279687.1	JQ431624.1	AY081124.1	EU601316.1	AY279790.1	JX026609.1
<i>Chlorurus spilurus</i>	x	x	x	x	x	x	x
<i>Chlorurus strongylocephalus</i>	x	JX026472.1	x	x	x	x	JX02
<i>Chlorurus troschelii</i>	x	x	x	x	x	x	x
<i>Cryptotomus roseus</i>	AY279592.1	AY279695.1	GU224769.1	AY081131.1	EU601317.1	AY279798.1	x
<i>Hipposcarus harid</i>	x	JX026455.1	x	x	x	x	JX026594.1
<i>Hipposcarus longiceps</i>	AY081075.1	AY081093.1	KF929973.1	AY081128.1	EU601318.1	x	JX026595.1
<i>Leptoscarus vaigiensis</i>	EU601190.	AY081094.1	JQ431884.1	AY081129.	EU601319.	EU601272.1	x
<i>Nicholsina collettei</i>	x	x	x	x	x	x	x
<i>Nicholsina denticulata</i>	U95761.1	U95762.1	JQ839551.1	x	x	x	x
<i>Nicholsina usta collettei</i>	x	x	x	x	x	x	x
<i>Nicholsina usta usta</i>	x	x	x	x	x	x	x
<i>Scarus altipinnis</i>	EU601192.1	EU601237.1	JQ432095.1	EU601371.1	EU601321.1	EU601273.1	JX026611.1
<i>Scarus arabicus</i>	x	JX026474.1	x	x	x	x	JX026612.1
<i>Scarus caudofasciatus</i>	x	x	x	x	x	x	x
<i>Scarus chameleon</i>	EU601193.1	EU601238.1	FJ237917.1	EU601372.1	EU601322.1	EU601274.1	JX026613.1
<i>Scarus chinensis</i>	x	x	x	x	x	x	x
<i>Scarus coelestinus</i>	EU601194.1	AY081084.1	x	AY081119.1	EU601323.1	x	JX026614.1
<i>Scarus coeruleus</i>	x	JX026476.1	x	x	x	x	JX026615.1
<i>Scarus collana</i>	x	JX026477.1	x	x	x	x	JX026616.1
<i>Scarus compressus</i>	x	JX026478.1	x	x	x	x	JX026617.1
<i>Scarus dimidiatus</i>	AY279642.1	AY279745.1	x	EU601374.1	EU601324.1	AY279848.1	JX026618.1
<i>Scarus dubius</i>	x	JX026480.1	x	KF809216.1	x	x	JX026619.1
<i>Scarus falcipinnis</i>	x	JX026481.1	x	x	x	x	JX026620.1
<i>Scarus ferrugineus</i>	x	x	x	x	x	x	x
<i>Scarus festivus</i>	EU601196.1	EU601239.1	x	EU601375.1	EU601325.1	EU601276.1	JX026622.1
<i>Scarus flavipectoralis</i>	EU601197.	AY081086.1	x	AY081121.	EU601326.	EU601277.1	JX026623.1
<i>Scarus forsteni</i>	EU601198.1	EU601240.1	JQ432096.1	EU601377.1	EU601327.1	EU601278.1	JX026624.1

<i>Scarus frenatus</i>	AY279643.1	AY081087.1	FJ237918.1	AY081122.1	AY279952.1	AY279849.1	JX026625.1
<i>Scarus fuscocaudalis</i>	x	x	x	x	x	x	x
<i>Scarus fuscopurpureus</i>	x	JX026487.1	x	x	x	x	JX026626.1
<i>Scarus ghobban</i>	EU601200.1	EU601241.1	JF494438.1	EU601379.1	EU601329.1	EU601279.1	GQ396192.1
<i>Scarus globiceps</i>	EU601201.1	EU601242.1	JQ432101.1	EU601380.1	EU601330.1	EU601280.1	JX026631.1
<i>Scarus gracilis</i>	x	x	x	x	x	x	x
<i>Scarus guacamaia</i>	EU601202.1	AY081085.1	JQ843039.1	AY081120.1	EU601331.1	EU601281.1	JX026632.1
<i>Scarus hoefleri</i>	AY141393.1	AY141463.1	x	x	x	x	JX026633.1
<i>Scarus hypselopterus</i>	EU601204.1	x	x	EU601383.1	EU601333.1	EU601283.1	x
<i>Scarus iseri</i>	EU601203.1	EU601244.1	JQ842674.1	EU601382.1	EU601332.1	EU601282.1	JX026634.1
<i>Scarus koputea</i>	x	JX026495.1	x	x	x	x	JX026635.1
<i>Scarus longipinnis</i>	x	JX026496.1	x	x	x	x	JX026636.1
<i>Scarus maculipinna</i>	x	x	x	x	x	x	x
<i>Scarus niger</i>	EU601205.1	EU601246.1	JQ432105.1	EU601384.1	EU601334.1	EU601284.1	JX026637.1
<i>Scarus obishime</i>	x	AB811976.1	x	x	x	x	AB811974.1
<i>Scarus oviceps</i>	EU601206.1	EU601247.1	JQ432108.1	EU601385.1	EU601335.1	EU601285.1	JX026638.1
<i>Scarus ovifrons</i>	x	JX026499.1	x	x	x	x	JX026639.1
<i>Scarus perrico</i>	x	JX026500.1	x	x	x	x	JX026640.1
<i>Scarus persicus</i>	x	JX026501.1	x	x	x	x	JX026641.1
<i>Scarus prasiognathos</i>	EU601207.1	EU601248.1	x	EU601386.1	EU601336.1	EU601286.1	JX026642.1
<i>Scarus psittacus</i>	EU601208.1	EU601249.1	JQ432109.1	EU601387.1	EU601337.1	EU601287.1	JX026643.1
<i>Scarus quoyi</i>	EU601210.1	EU601251.1	KF930376.1	EU601389.1	EU601339.1	EU601289.1	JX026644.1
<i>Scarus rivulatus</i>	EU601211.1	EU601252.1	x	EU601390.1	EU601340.1	EU601290.1	JX026645.1
<i>Scarus rubroviolaceus</i>	EU601212.1	EU601253.1	JF494441.1	EU601391.1	EU601341.1	EU601291.1	x
<i>Scarus russelii</i>	x	JX026510.1	KF489744.1	x	x	x	JX026650.1
<i>Scarus scaber</i>	x	JX026511.1	JQ350334.1	x	x	x	JX026651.1
<i>Scarus schlegeli</i>	EU601213.1	EU601254.1	JQ432114.1	EU601392.1	EU601342.1	EU601292.1	JX026652.1
<i>Scarus spinus</i>	EU601214.1	EU601255.1	x	EU601393.1	EU601343.1	EU601293.1	JX026653.1
<i>Scarus taeniopterus</i>	EU601215.1	EU601256.1	JQ842300.1	EU601394.1	EU601344.1	EU601294.1	JX026654.1
<i>Scarus tricolor</i>	EU601216.1	EU601257.1	JQ350335.1	EU601395.1	EU601345.1	EU601295.1	JX026655.1
<i>Scarus trispinosus</i>	x	JX026516.1	x	x	x	x	JX026656.1
<i>Scarus vetula</i>	x	JX026517.1	FJ584083.1	x	x	x	JX026657.1
<i>Scarus viridifucatus</i>	x	JX026518.1	x	x	x	x	JX026658.1

<i>Scarus xanthopleura</i>	x	JX026519.1	x	x	x	x	JX026659.1
<i>Scarus zelindae</i>	x	JX026520.1	x	x	x	x	JX026660.1
<i>Scarus zufar</i>	x	JX026521.1	x	x	x	x	JX026661.1
<i>Sparisoma amplum</i>	x	x	x	x	x	x	x
<i>Sparisoma atomarium</i>	U95767.1	U95768.1	JQ840705.1	x	x	x	x
<i>Sparisoma aurofrenatum</i>	AY081064.	AY081082.1	JQ839579.1	AY081117.	EU601346.	EU601296.1	x
<i>Sparisoma axillare</i>	KC526954.1	KC526953.1	x	x	x	x	x
<i>Sparisoma choati</i>	x	x	x	x	x	x	x
<i>Sparisoma chrysopterum</i>	AY279645.	AY081083.1	JQ839584.1	AY081118.	EU601347.	AY279851.1	x
<i>Sparisoma cretense</i>	U95777.1	AF517578.1	JQ623998.1	HM049966.1	x	x	x
<i>Sparisoma frondosum</i>	JX645341.1	JX645342.1	x	x	x	x	x
<i>Sparisoma griseorubrum</i>	x	x	x	x	x	x	x
<i>Sparisoma radians</i>	U95771.1	U95772.1	JQ841825.1	x	x	U70360.1	x
<i>Sparisoma rocha</i>	x	x	x	x	x	x	x
<i>Sparisoma rubripinne</i>	AF114483.1	AF115312.1	JQ841393.1	EF456024.1	x	x	x
<i>Sparisoma strigatum</i>	x	x	x	x	x	x	x
<i>Sparisoma tuiupiranga</i>	x	x	x	x	x	x	x
<i>Sparisoma viride</i>	AY081063.1	AY081081.1	JQ841013.1	AY081116.1	EU601348.1	EU601298.1	x