

漂流延绳钓渔民 之海洋物种鉴定手册

Chinese / English
version



Marine species
identification manual
for horizontal longline
fishermen



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by

Lindsay Chapman, Peter Sharples, Deirdre Brogan,
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WESTERN
PACIFIC
REGIONAL
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原文：英语

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Original text: English

Secretariat of the Pacific Community cataloguing-in-publication data

Chapman, L. B.

Marine species identification manual for horizontal longline fishermen / by Lindsay Chapman, Peter Sharples, Deirdre Brogan, Aymeric Desurmont, Steve Beverley and William Sokimi

Text in English and Chinese

- | | |
|------------------------------------|-------------------------------------|
| 1. Marine fishes – Identification. | 2. Marine mammals – Identification. |
| 3. Tuna fisheries – Bycatch. | 4. Tuna fisheries – Management. |

I. Chapman, L. B. II. Sharples, Peter III. Brogan, Deirdre IV. Desurmont, Aymeric V. Beverley, S. VI. Sokimi, William VII. Title VIII. Secretariat of the Pacific Community

597

AACR2

ISBN: 978-982-00-0887-8

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致谢

本手册在编写过程中得到了很多人的帮助和支持，太平洋委员会秘书处表示衷心的感谢。特别要感谢：大卫·板野先生、库尔特·川本先生、保罗·泽尔先生、约翰·胡佛博士、约娜特·斯维墨博士和迪安·格拉布斯博士，他们编写了本手册所包括的物种清单和物种的夏威夷名称；原田诚一郎先生和出水正甫先生编写物种的日语名称，迪克·沃特博士、奈杰尔·布拉泽斯博士和桑迪·巴特尔先生编写了海鸟的名称，杰夫·麦克弗森先生和爱德华多·西奇博士提供了鲸类和遭破坏鱼类的图片和名称；托尼·刘易斯博士为技术编辑；希欧希法·富可富卡先生、彼得·威廉姆斯先生、瓦莱丽·艾蓝女士、让·保尔·高迪乔斯、米歇尔·布兰科先生、特力哈罗阿·卢西亚若和查尔斯·丘瓦普罗先生编写了其他内容。

特别感谢联合国粮食与农业组织 (FAO) 提供的本手册中大多数物种的分类方法以及之前没有涉及的一些不常见物种种类的代码。

特别感谢美国国家海洋和大气管理局 (NOAA) 的雷蒙德·克拉克先生、科琳·贝斯女士、乔·阿西诺先生和汤姆·斯韦纳顿先生，他们提供了太平洋岛国地区保护物种的信息和照片，这些材料引自研讨会及 NOAA 渔业管理处的观察员培训的演讲稿和其他材料。

大部分原始插图是由莱斯·哈塔先生制作，瑞秋·奥谢女士画了几个物种。封面设计、海鸟和哺乳动物彩色图，格式和布局由邱永敏女士完成。本手册由安吉拉·邓普顿女士编辑并由南太平洋委员会的翻译部门翻译成法语。

本手册编写和出版得到夏威夷的西太平洋区域渔业管理委员会、澳大利亚和新西兰政府资助。

ACKNOWLEDGEMENTS

The Secretariat of the Pacific Community acknowledges with gratitude the assistance and support of many people during the production of this manual. In particular, thanks are due to: Mr David Itano, Mr Kurt Kawamoto, Mr Paul Dalzell, Dr John Hoover, Dr Yonat Swimmer and Dr Dean Grubbs for their input to the list of species to be covered and the Hawaiian species names; Mr Seiichiro Harada and Mr Masanami Izumi for input on Japanese species names; Dr Dick Watling, Dr Nigel Brothers and Mr Sandy Bartle for input on seabirds; Mr Geoff McPherson and Dr Eduardo Secchi for pictures and input on cetaceans and fish damage; Dr Tony Lewis for technical editing; and Mr Siosifa Fukofuka, Mr Peter Williams, Ms Valerie Allain, Mr Jean-Paul Gaudechoux, Mr Michel Blanc, Mr Teriihauroa Luciani and Mr Charles Cuewapuru for input in a range of areas.

Special thanks to the Food and Agricultural Organization (FAO) of the United Nations for the use of their line diagrams of most of the species covered in this manual as well as for arranging FAO species codes for some of the more uncommon species previously not covered.

Special thanks also to Mr Raymond Clarke, Ms Colleen Bass, Mr Joe Arceneaux and Mr Tom Swenarton from the National Oceanic and Atmospheric Administration (NOAA) for providing information and pictures of some species from their Pacific Island Regional Protected Species Workshop and Observer Training presentations and other materials produced by NOAA Fisheries.

Most of the original artwork was produced by Mr Les Hata, with Ms Rachel O'Shea painting several species. Cover design, seabird and mammal colour diagrams, formatting and layout were done by Ms Youngmi Choi. The manual was edited by Ms Angela Templeton.

Financial support for the production and publication of this manual was provided by the Western Pacific Regional Fishery Management Council in Hawaii, and the Governments of Australia and New Zealand.

前言

国际社会越来越关注如何更好地管理世界海洋资源。为了更好地管理渔业，科学家和管理者需要从每种渔业中得到目标物种和相互影响的所有物种的准确数据。因此对资源使用者提供此类信息的期望和要求日益增长。

所有这些是在渔业中应用生态系统方法的基础。所谓的生态系统方法就是要考虑捕捞作业对所有捕捞物种或与之具交互作用的物种的影响。在中西太平洋，希望能够提供延绳钓渔业所有物种完整的数据，为将来的管理决策提供基础。

本手册的最终目标是改进数据的精度和增加渔业数据的数量，而这些数据是由太平洋地区的当地金枪鱼延绳钓渔民通过填写包括渔获量和努力量数据等的渔捞日志来提供。本手册将使渔民能够更准确地鉴定其渔获物并记录之前不记录的物种。这些之前不记录的物种是因为渔民不知道其是什么物种，或认为不重要或不相关。

为了便于使用，本手册共分为10个部分。每个部分的开始页为本部分涉及的物种的学名、标准的FAO英文名称、法语名称和FAO物种代码清单。FAO物种代码供渔民填写渔捞日志时使用。在每个物种群中，类似的物种印在相对的页面，或反面，便于识别。

大多数页面包含彩色的物种图片并用线条标示英语和法语的外部特征说明。对于鲨鱼类，画出了其牙齿，作为物种的附加识别特征。每一页的上部为该物种的学名和粮农组织的代码。每页的左下方有一表格，列出英语、法语、日语和夏威夷(已有的话)的名称，并留出一空格让渔民填写每个物种的当地名称。

INTRODUCTION

There is an increasing international focus on better management of the world's marine resources. To enable better management of fisheries, scientists and managers require accurate data from each fishery on all the species that are interacted with, and not just on the target species. There are thus growing expectations and requirements on resource users to provide such information.

All of this underpins the application of the ecosystem approach to fisheries, i.e. to take account of the impact of fishing on all species taken or interacted with. In the Western and Central Pacific Ocean, the hope is to provide complete data on all species taken in longline fisheries, to inform future management decisions.

The overall aim of this manual is to improve and increase the amount and accuracy of catch data provided by domestic tuna longline fishermen in the Pacific region when they complete their catch and effort logsheet. This manual will enable fishermen to more accurately identify the fish they catch and to record species previously not recorded because fishermen did not know what they were, or considered them insignificant or irrelevant.

The manual is presented in 10 tabbed sections for ease of use. Each section starts with a list of the species covered in the section with the scientific, standard FAO English and French names, and the FAO species code to be used by fishermen when completing their logsheets. Within each species group, similar species have been presented on opposite pages, or over the page, to make identification easier.

Most pages include a colour representation of the species and a line diagram of the species with external identifiers marked in English and French. In the case of some shark species, the teeth have been drawn as an additional identifier for that species. At the top of each page is the scientific name of

作者试图包括可能会遇到但通常被丢弃而不被记录的鲜为人知的物种，以便这些物种能被识别并被渔民在以后作好记录。它们是延绳钓作业所有渔获物的重要组成部分。

单独列出了海龟、海鸟、齿鲸类和海豚类这四个部分，这些物种及其与金枪鱼和箭鱼延绳钓的相互作用越来越受到国际社会的关注。这对于所有渔民在渔捞日志中尽可能准确地识别和记录物种的相互作用是很重要的。

第9部分为鱼类的损坏，可能由鲨鱼类、齿鲸类、巴西达摩鲨、海鸟或柔鱼类引起。鼓励渔民在渔捞日志中记录这些信息，包括损坏的鱼的数量。

最后一部分涵盖了太平洋地区延绳钓作业者购买并使用的主要的饵料鱼。这些只是提供信息，不是用于识别，可帮助各利益方在提到饵料物种时具有标准的术语。

准确地填写渔获量和努力量数据的渔捞日志，包括记录所有捕获的或具有相互影响的海洋物种，对本地区渔业的长期管理是至关重要的。通过这项工作，将有助于确保渔业的长期可持续性。

the species and the FAO code. At the bottom left of each page is a table with the English, French, Japanese and Hawaiian (where known) names, as well as a space for fisherman to write in the local name for each species.

The authors have tried to include most of the lesser-known species that may be encountered but are generally discarded and not recorded, so that these species can be identified and recorded by fishermen in future. They are an important part of the overall catch from longline operations.

Separate sections have been included for sea turtles, seabirds, toothed whales and dolphins as there is a growing international focus on these species and their interaction with tuna and swordfish longline gear. It is important for all fishermen to accurately identify the species wherever possible and to record the interaction on their logsheet

Section 9 covers fish damage, which can be caused by sharks, toothed whales, cookie cutter sharks, seabirds or squid. Fishermen are encouraged to record this type of information, including the number of fish damaged, on their logsheet.

The final section covers the main types of commercially purchased bait used by longline operators in the Pacific region. These are provided for information rather than for identification purposes and to help standardise terminology for all interested parties when referring to bait species.

Completing catch and effort logsheets accurately, including recording all marine species caught or interacted with, is crucial to the long-term management of fisheries in the region. By doing this, fishermen are helping to ensure the long-term sustainability of their fishery.

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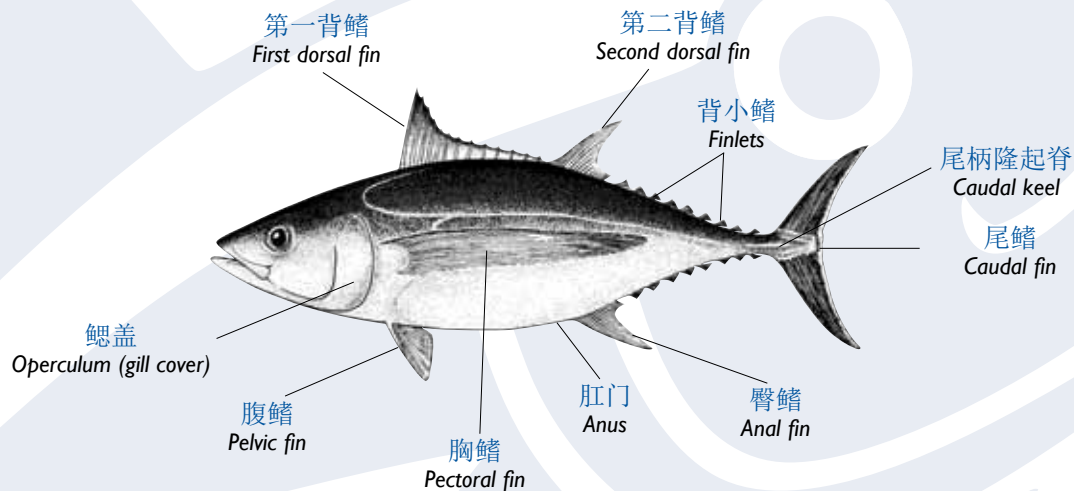
低鳍真鲨	25
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镰状真鲨	22
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抹香鲸	119
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南短蛇鲭	74
南方蓝鳍金枪鱼	3
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细鳞圆鲹	149		
小抹香鲸	120		
小吻四鳍旗鱼	18		
信天翁科	108		
异鳞鲨	52		

金枪鱼类

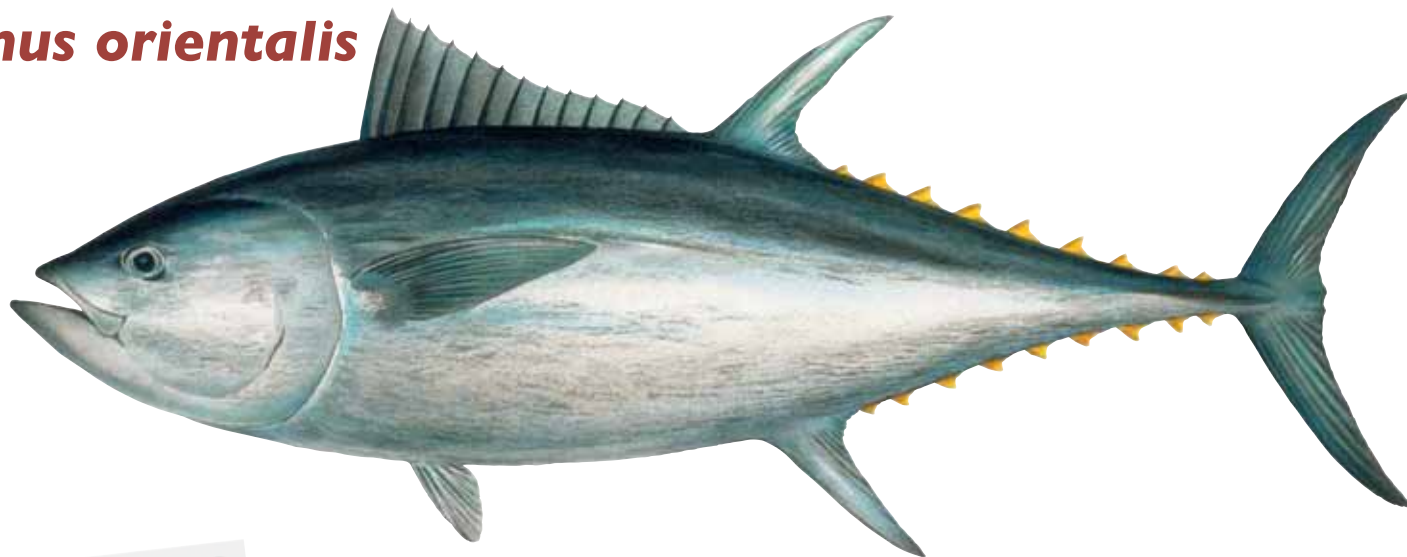
Tunas



Scientific	Chinese	English	FAO code	Page
<i>Allothunnus fallai</i>	细鲣	Slender tuna	SLT	11
<i>Euthynnus affinis</i>	鲯	Kawakawa, Mackerel tuna	KAW	9
<i>Gasterochisma melampus</i>	腹翼鲭	Butterfly kingfish	BUK	12
<i>Gymnosarda unicolor</i>	裸狐鲣	Dogtooth tuna	DOT	10
<i>Katsuwonus pelamis</i>	鲣	Skipjack tuna	SKJ	8
<i>Thunnus alalunga</i>	长鳍金枪鱼	Albacore tuna	ALB	6
<i>Thunnus albacares</i>	黄鳍金枪鱼	Yellowfin tuna	YFT	4
<i>Thunnus maccoyii</i>	南方蓝鳍金枪鱼	Southern bluefin tuna	SBF	3
<i>Thunnus obesus</i>	大眼金枪鱼	Bigeye tuna	BET	5
<i>Thunnus orientalis</i>	太平洋蓝鳍金枪鱼	Pacific bluefin tuna	PBF	2
<i>Thunnus tonggol</i>	青干金枪鱼	Longtail tuna	LOT	7

Thunnus orientalis

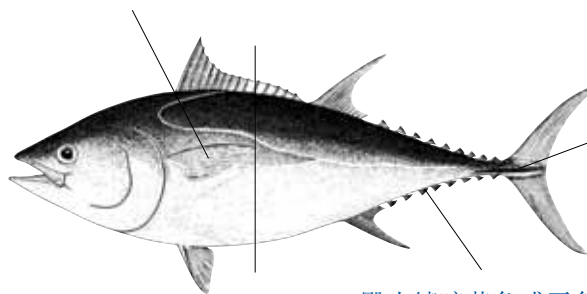
PBF



Chinese: 太平洋蓝鳍金枪鱼
English: Pacific bluefin tuna
French: Thon rouge du Pacifique
Japanese: Kuro maguro
Hawaiian: Bluefin tuna
Local:

胸鳍短-长度未及第二背鳍

Pectoral fins short — never reach space between dorsal fins

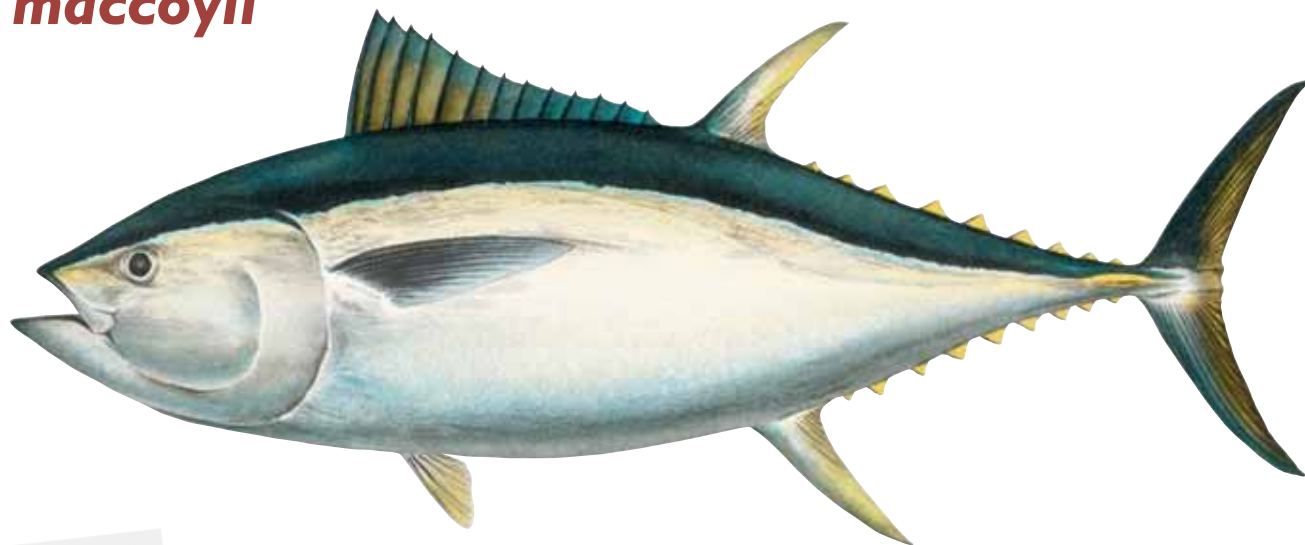


主尾柄隆起脊暗黑色
Main caudal keel dark to black

臀小鳍暗黄色或无色，黑边
Finlets dull yellow or colourless with black edge

Thunnus maccoyii

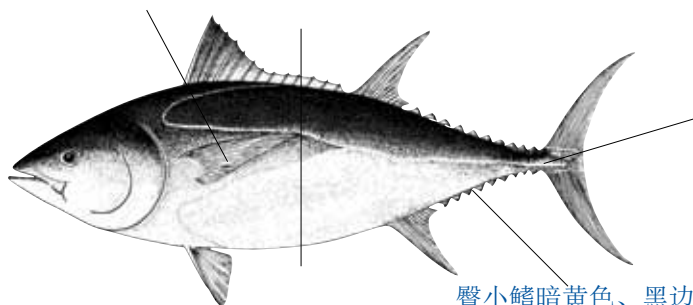
SBF



胸鳍短-长度未及第二背鳍

Pectoral fins short — never reach space between dorsal fins

Chinese: 南方蓝鳍金枪鱼
English: Southern bluefin tuna
French: Thon rouge du sud
Japanese: Bachi maguro, Minami maguro
Local:



尾柄中央隆起脊暗黄色
Main caudal keel dull yellow

臀小鳍暗黄色、黑边
Finlets dull yellow with black edge

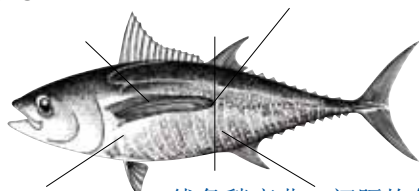
Thunnus albacares

YFT



胸鳍长及第二背鳍基部
Pectoral fins reach start of second dorsal fin

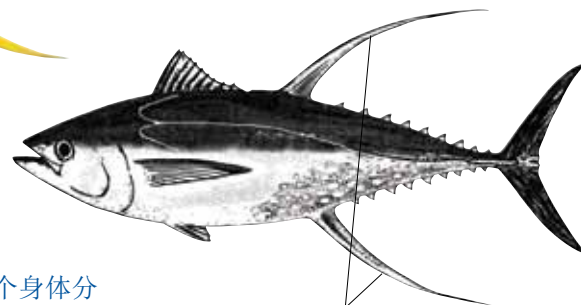
胸鳍末端圆
Pectoral fin tip rounded



体高窄，特别是靠近尾鳍处
Narrow body, especially near caudal fin

线条稍弯曲，间隔均匀，整个身体分布斑点线
Lines slightly curved, evenly spaced, separated by lines of spots over most of body

幼鱼 (40-70cm)
Juvenile (40-70 cm)



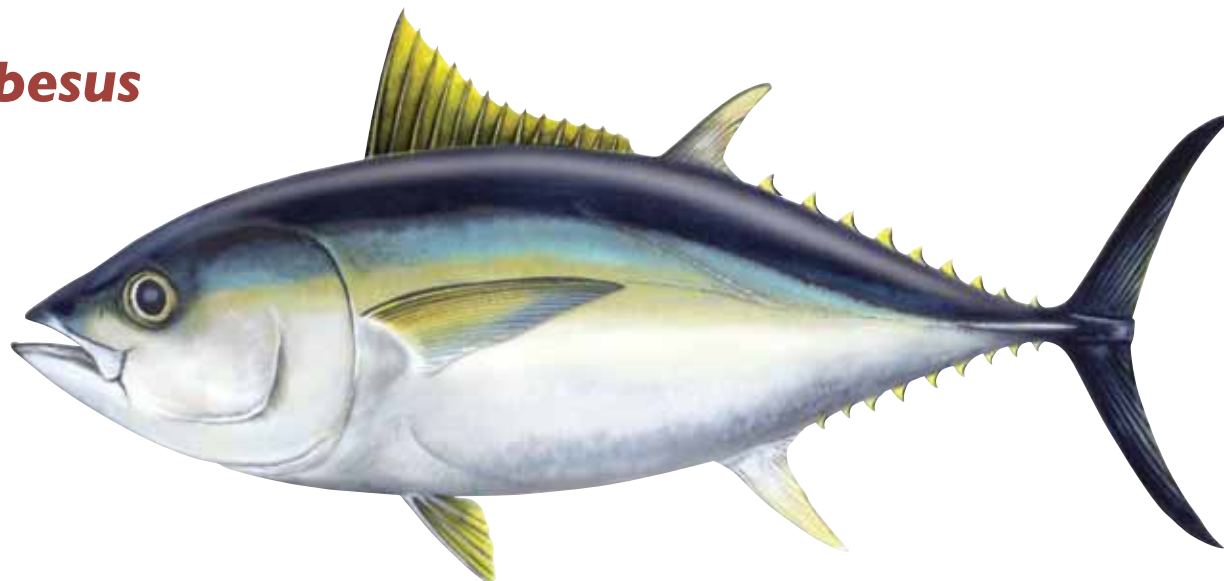
第二背鳍和臀鳍很长、黄色
Second dorsal and anal fins very long and yellow

成鱼
Adult

- Chinese: 黄鳍金枪鱼
- English: Yellowfin tuna
- French: Albacore, Thon jaune
- Japanese: Kihada maguro, Shibi
- Hawaiian: Ahi (large), Shibi (medium), Shibi-ko (small)
- Local:

Thunnus obesus

BET



胸鳍经常超过第二背鳍基部
Pectoral fin often extends beyond base of second dorsal fin

胸鳍末端尖
Pectoral fin tip pointed

臀小鳍亮黄色并有黑边
Finlets bright yellow with black edge

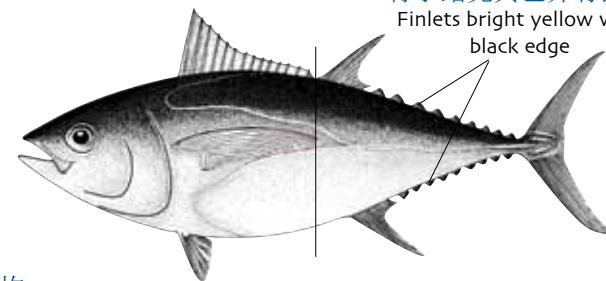
- Chinese: 大眼金枪鱼
- English: Bigeye tuna
- French: Thon obèse
- Japanese: Mebachi, Mebuto, Shibi
- Hawaiian: Ahi, Mebachi, Ahi pō'ouui
- Local:

鱼体结实
Stout body

鱼体下部分线条接近笔直，具间隔不均匀的不规则的斑点

Lines almost straight, unevenly spaced with a few erratic spots mostly over lower body

幼鱼 (40-70cm)
Juvenile (40-70 cm)



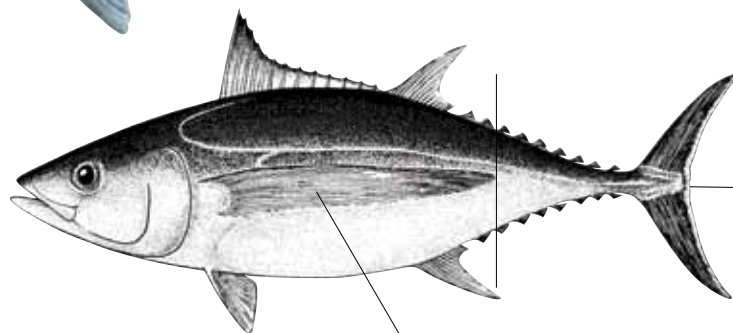
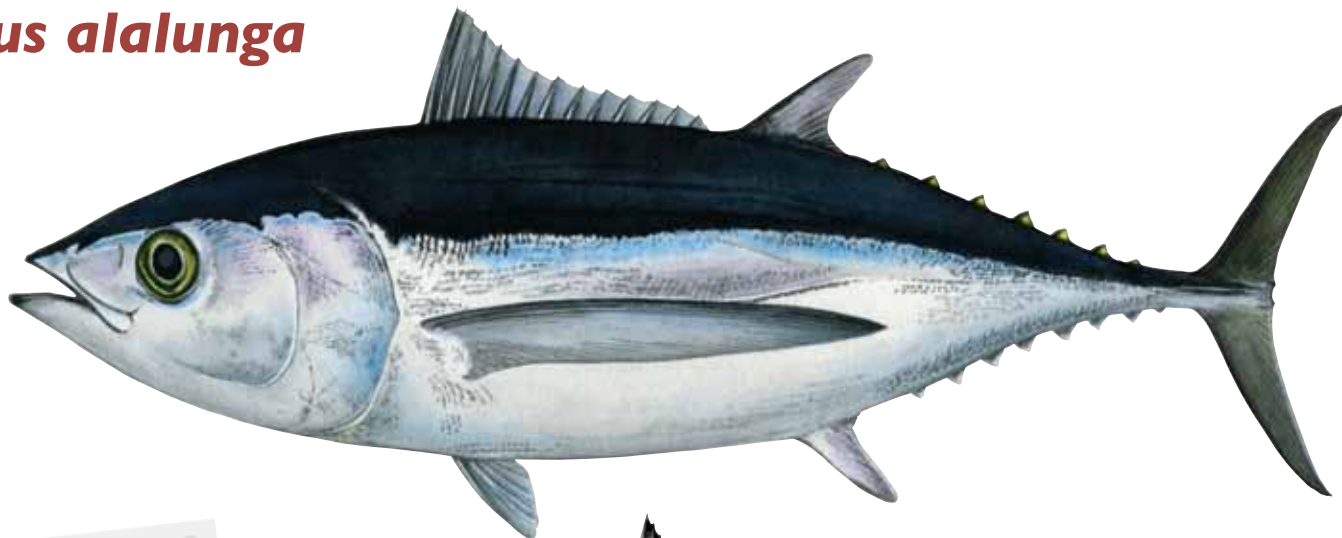
胸鳍长及第二背鳍

Pectoral fins can reach space between dorsal fins

成鱼
Adult

Thunnus alalunga

ALB



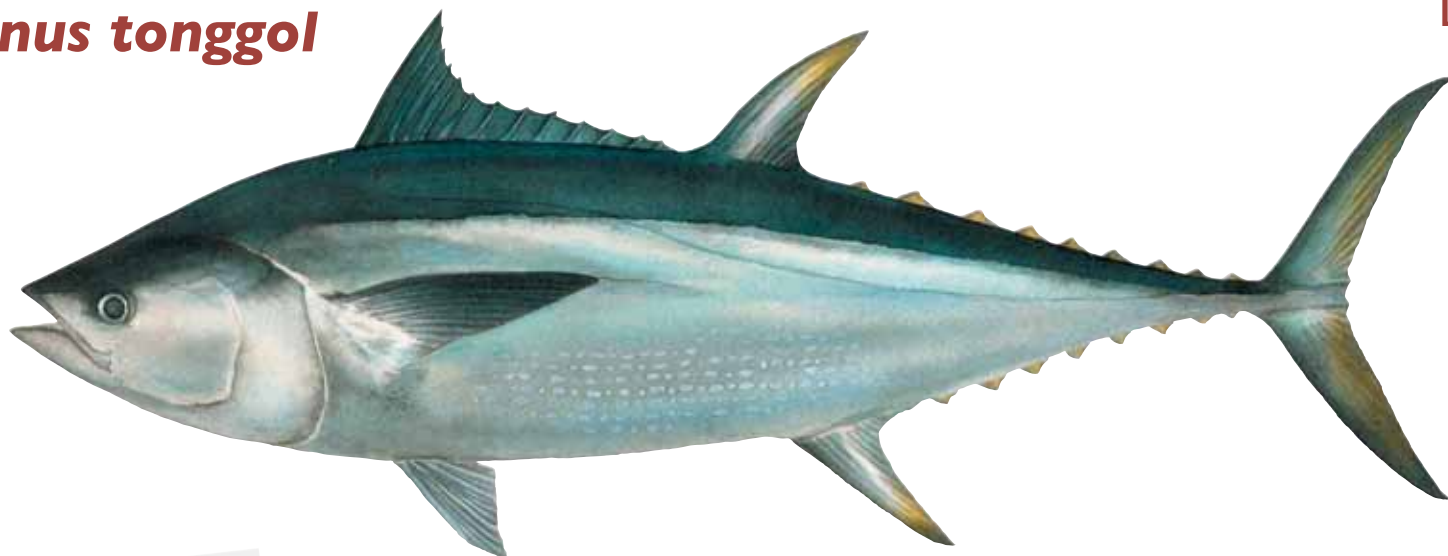
- Chinese: 长鳍金枪鱼
- English: Albacore tuna
- French: Germon, Thon blanc
- Japanese: Tombo, Bincho, Binnaga maguro
- Hawaiian: Tombo, Ahi palaha
- Local:

尾鳍后缘为白色或无色
Back edge of caudal fin
white or colourless

胸鳍长超过第二背鳍和臀鳍
Pectoral fins reach way past second dorsal and anal fins

Thunnus tonggol

LOT

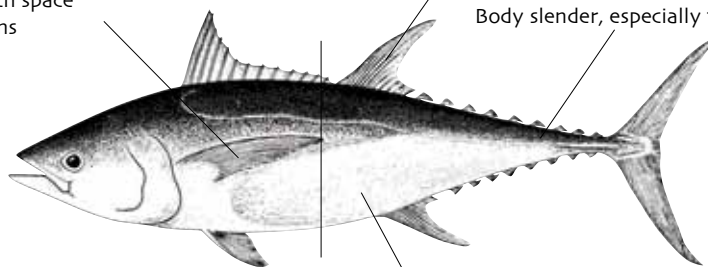


Chinese: 青干金枪鱼
English: Longtail tuna
French: Thon mignon
Japanese: Koshinaga
Local:

胸鳍几乎很少长达第二背鳍
Pectoral fins barely reach space
between dorsal fins

第二背鳍高于第一背鳍
Second dorsal fin taller than first dorsal fin

体细长，特别是尾鳍部位
Body slender, especially towards caudal fin



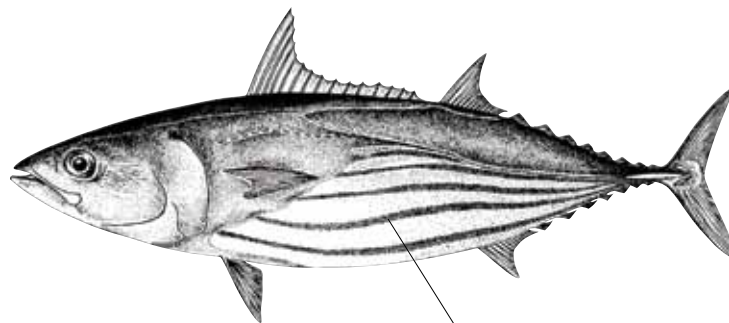
沿腹部有淡淡的无色斑点
Faint rows of colourless spots along belly

Katsuwonus pelamis

SKJ



Chinese: 鲣
English: Skipjack tuna
French: Bonite à ventre rayé
Japanese: Katsuo
Hawaiian: Aku,
Otaru (when large)
Local:



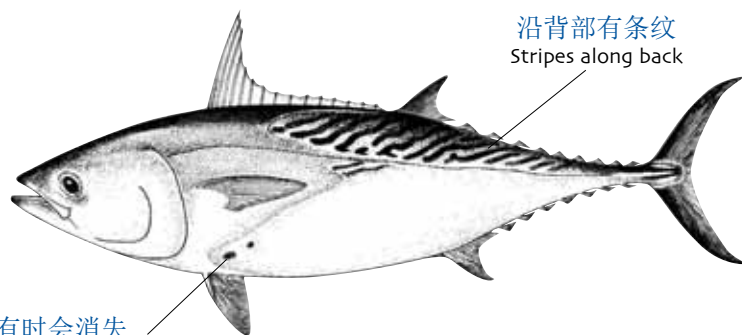
沿腹部有3-5道条纹
Three to five stripes along belly

Euthynnus affinis

KAW



Chinese: 鲹
English: Kawakawa,
Mackerel tuna
French: Thonine orientale
Japanese: Suma
Hawaiian: Kawakawa
Local:

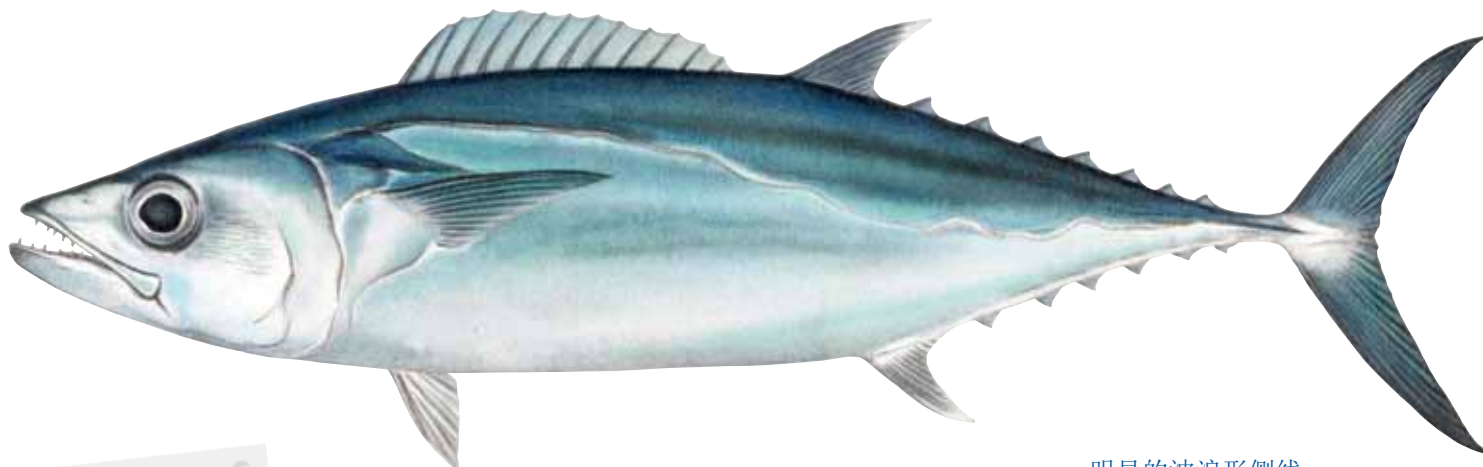


沿背部有条纹
Stripes along back

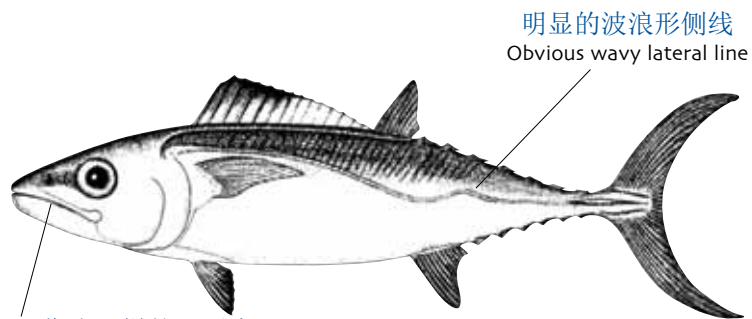
有黑斑点，有时会消失
Black spots, sometimes faded

Gymnosarda unicolor

DOT



Chinese: 裸狐鲣
English: Dogtooth tuna
French: Bonite à gros yeux,
Thon dents de
chien
Japanese: Isomaguro
Local:

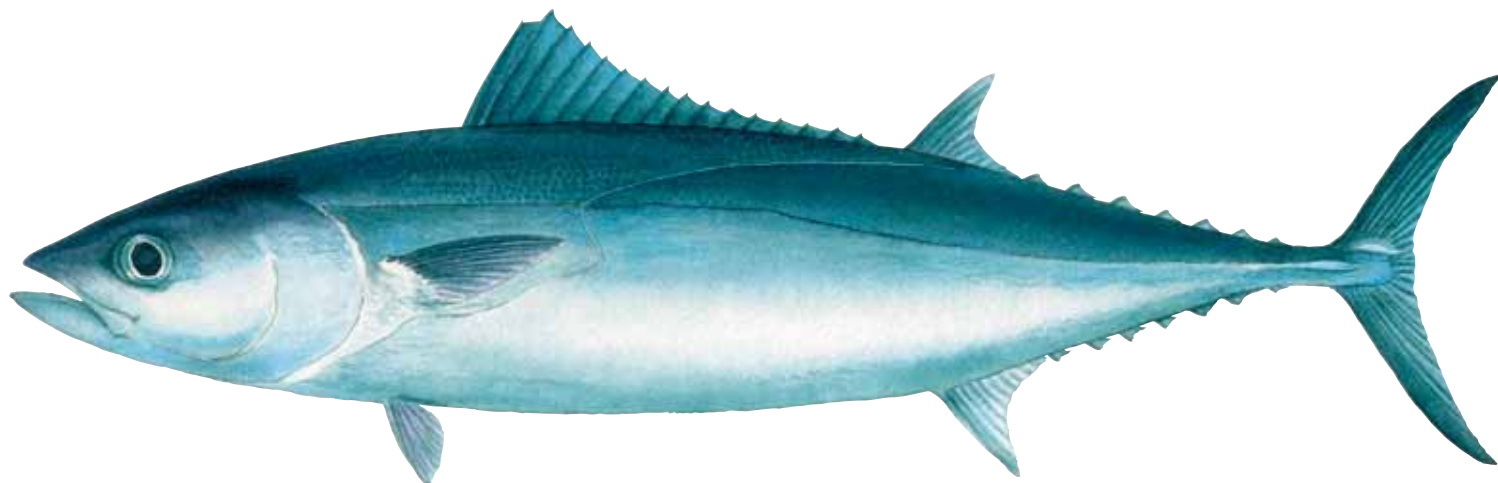


明显的波浪形侧线
Obvious wavy lateral line

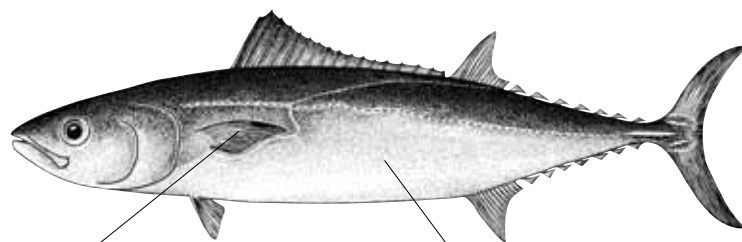
嘴大，圆锥形（像狗一样的）牙齿
Cone-shaped (dog-like) teeth in a large mouth

Allothunnus fallai

SLT



Chinese: 细鲣
English: Slender tuna
French: Thon élégant
Japanese: Hosogatsuo
Local:

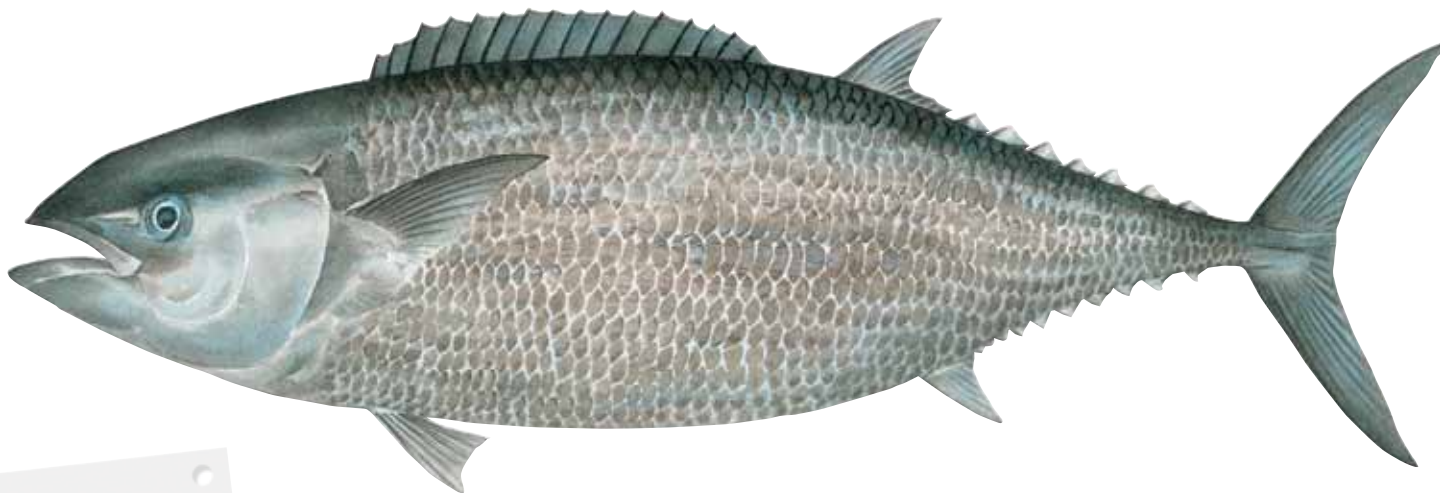


胸鳍很短
Pectoral fins very short

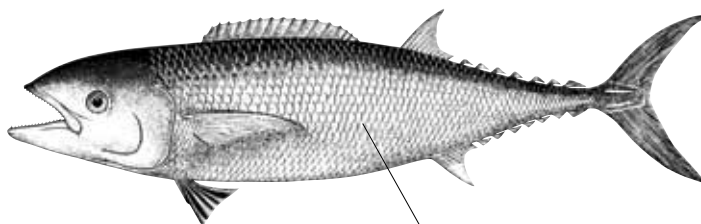
圆柱形身体
Cylindrical shaped body

Gasterochisma melampus

BUK

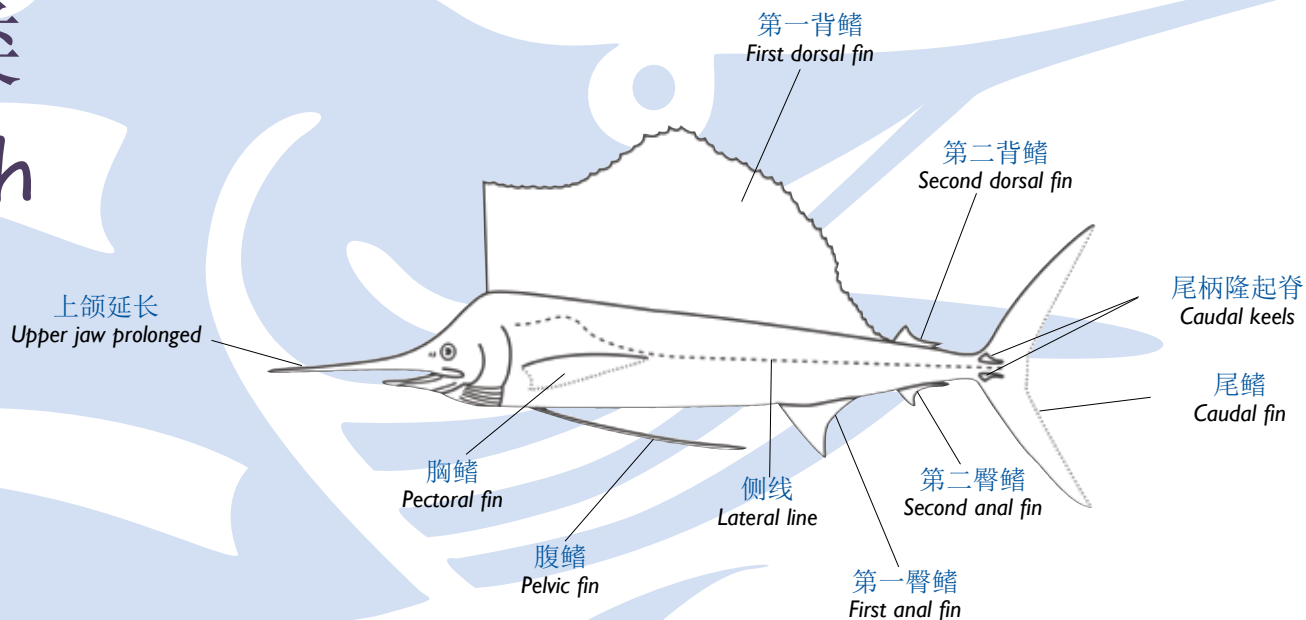


Chinese: 腹翼鲷
English: Butterfly kingfish
French: Thon papillon
Japanese: Urokomaguro
Local:



全身布满有光泽的大鳞片
Body covered in large shiny scales

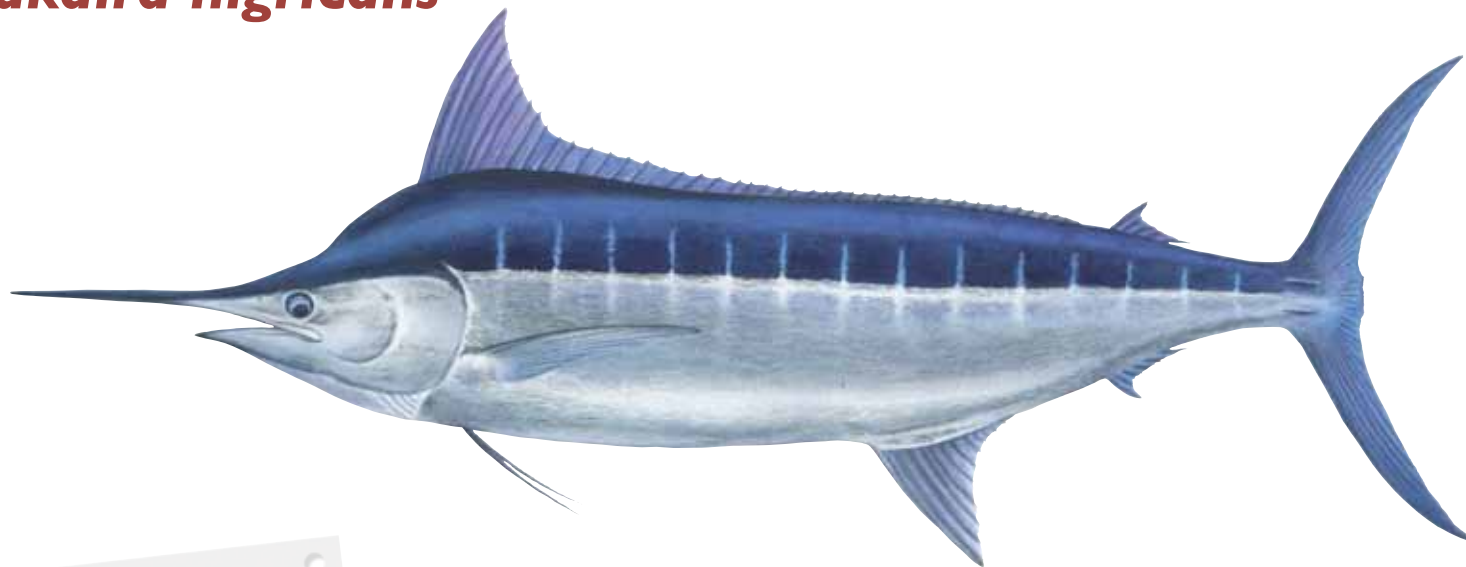
旗鱼类 Billfish



Scientific	Chinese	English	FAO code	Page
<i>Istiophorus platypterus</i>	平旗旗鱼	Indo-Pacific sailfish	SFA	19
<i>Makaira indica</i>	印度枪鱼	Black marlin	BLM	17
<i>Makaira nigricans</i>	蓝枪鱼	Blue marlin	BUM	14
<i>Tetrapturus angustirostris</i>	小吻四鳍旗鱼	Shortbill spearfish	SSP	18
<i>Tetrapturus audax</i>	条纹四鳍旗鱼	Striped marlin	MLS	15
<i>Xiphias gladius</i>	剑鱼	Swordfish	SWO	16

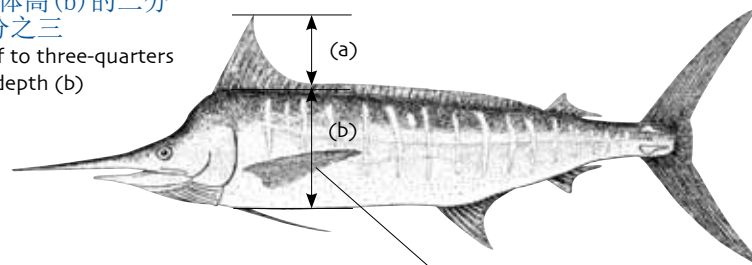
Makaira nigricans

BUM



- Chinese: 蓝枪鱼
- English: Blue marlin
- French: Makaire bleu
- Japanese: Nishikuro, Kuro kajiki
- Hawaiian: Kajiki, A'u, Blue marlin
- Local:

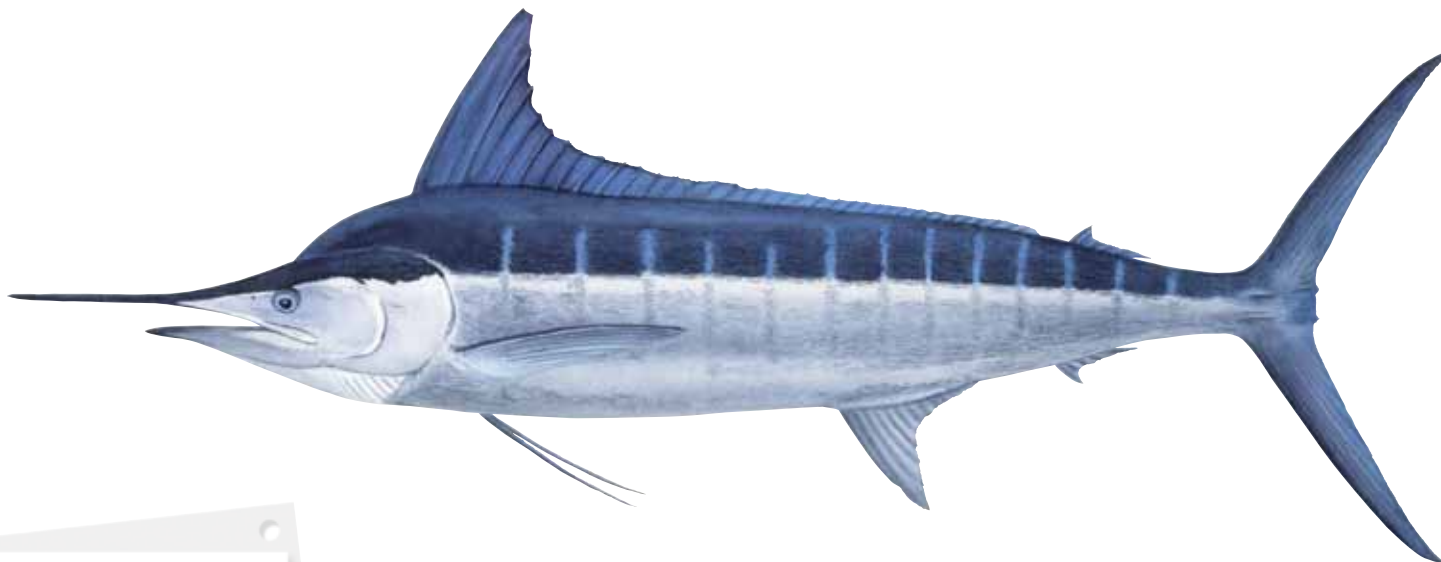
背鳍高度 (a) 最大体高(b) 的二分之一到四分之三
Dorsal fin height (a) half to three-quarters greatest body depth (b)



胸鳍不僵硬—可紧靠身体展开
Pectoral fins not rigid — can flatten against body

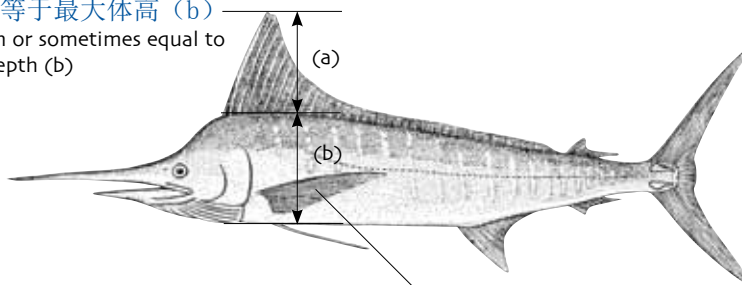
Tetrapturus audax

MLS



Chinese: 条纹四鳍旗鱼
English: Striped marlin
French: Marlin rayé
Japanese: Makajiki,
Nairaiji
Hawaiian: Nairaiji,
Striped marlin
Local:

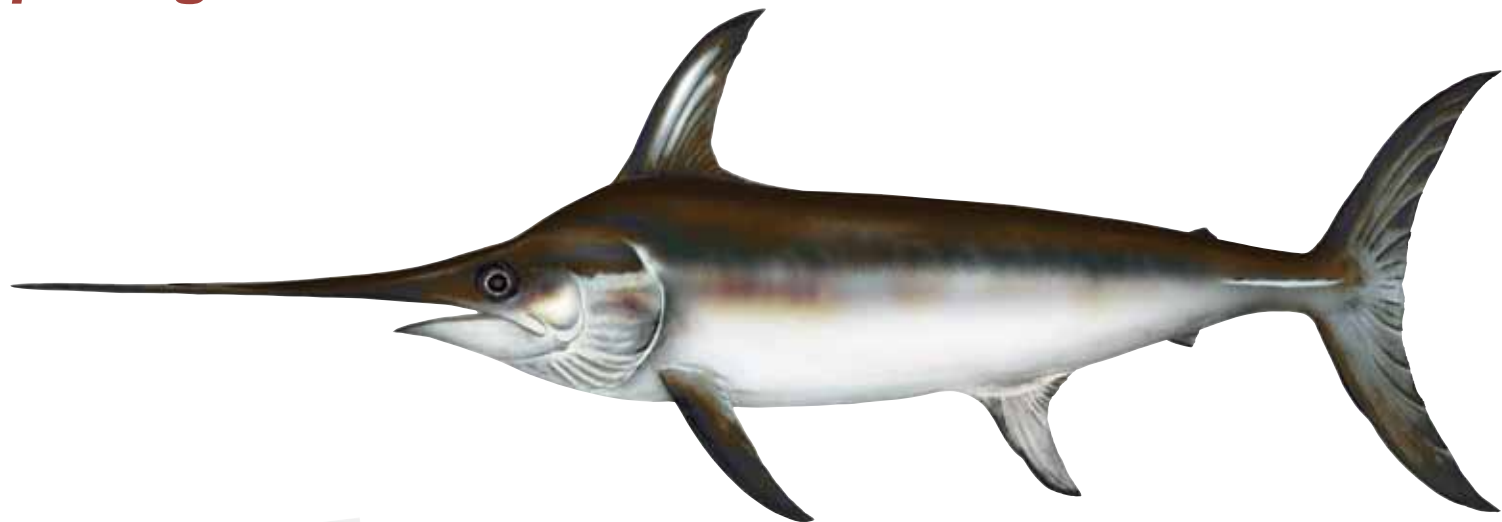
背鳍高度 (a) 高于或有时等于最大体高 (b)
Dorsal fin height (a) higher than or sometimes equal to
greatest body depth (b)



胸鳍不僵硬-可紧靠身体展开
Pectoral fins not rigid — can flatten against body

Xiphias gladius

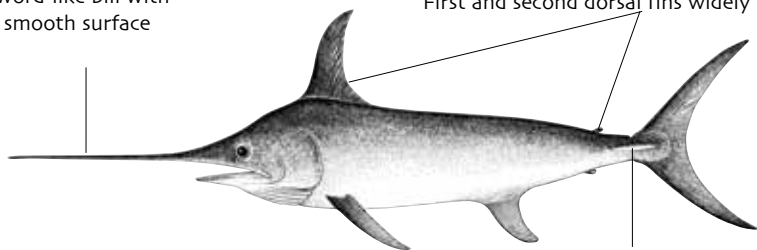
SWO



- Chinese: 剑鱼
- English: Swordfish, Broadbill swordfish
- French: Espadon
- Japanese: Dakuda, Mekajiki, Shutome
- Hawaiian: A'uku, Broadbill, Shutome, Swordfish
- Local:

表面光滑的剑状吻
Sword-like bill with smooth surface

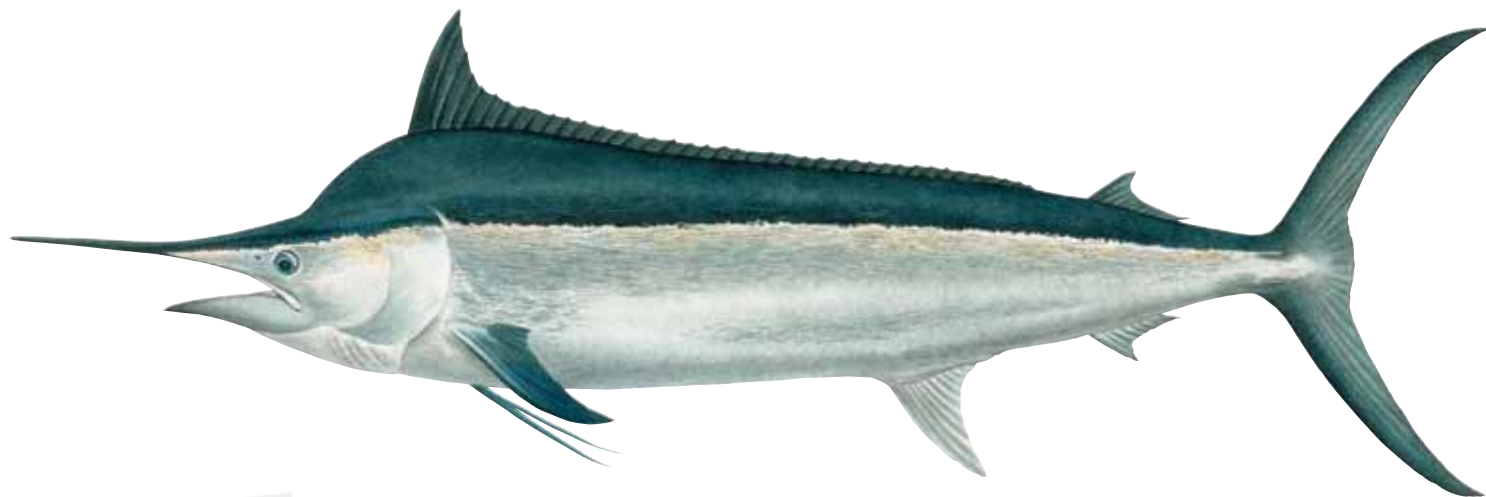
第一背鳍远离第二背鳍（小于100厘米的除外）
First and second dorsal fins widely separated (except if <100 cm)



尾柄隆起脊一个
Only one caudal keel

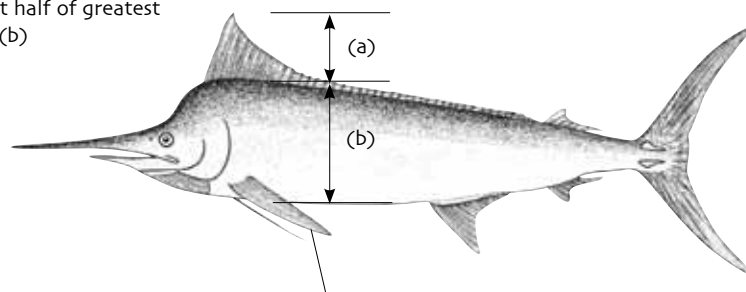
Makaira indica

BLM



Chinese: 印度枪鱼
English: Black marlin
French: Makaire noir
Japanese: Shiro kajiki,
Shirokawa
Hawaiian: Hida, Hira,
A'u, Black marlin
Local:

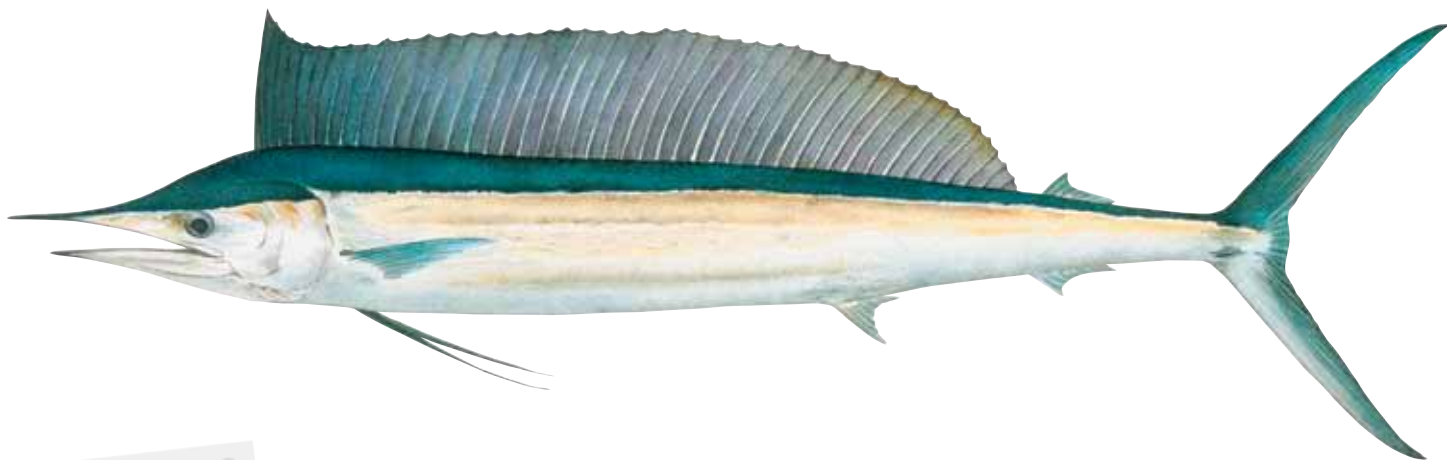
背鳍高度 (a) 约为最大体高 (b) 的一半
Dorsal fin height (a) about half of greatest
body depth (b)



胸鳍僵硬-当体重超过40千克时，不能紧靠身体展开
Pectoral fins rigid — cannot flatten against body on fish over 40 kg

Tetrapturus angustirostris

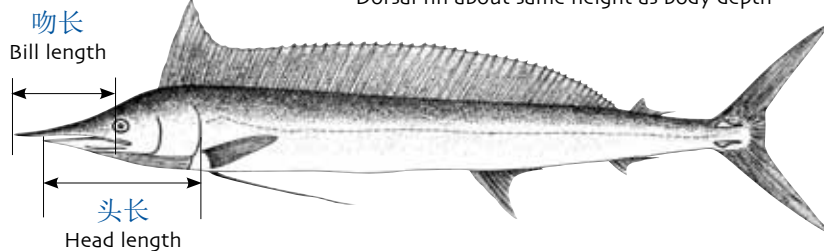
SSP



Chinese: 小吻四鳍旗鱼
English: Shortbill spearfish
French: Makaïre à rostre court
Japanese: Fūrai kajiki
Hawaiian: Hebi
Local:

背鳍高约为体高

Dorsal fin about same height as body depth



吻长

Bill length

头长

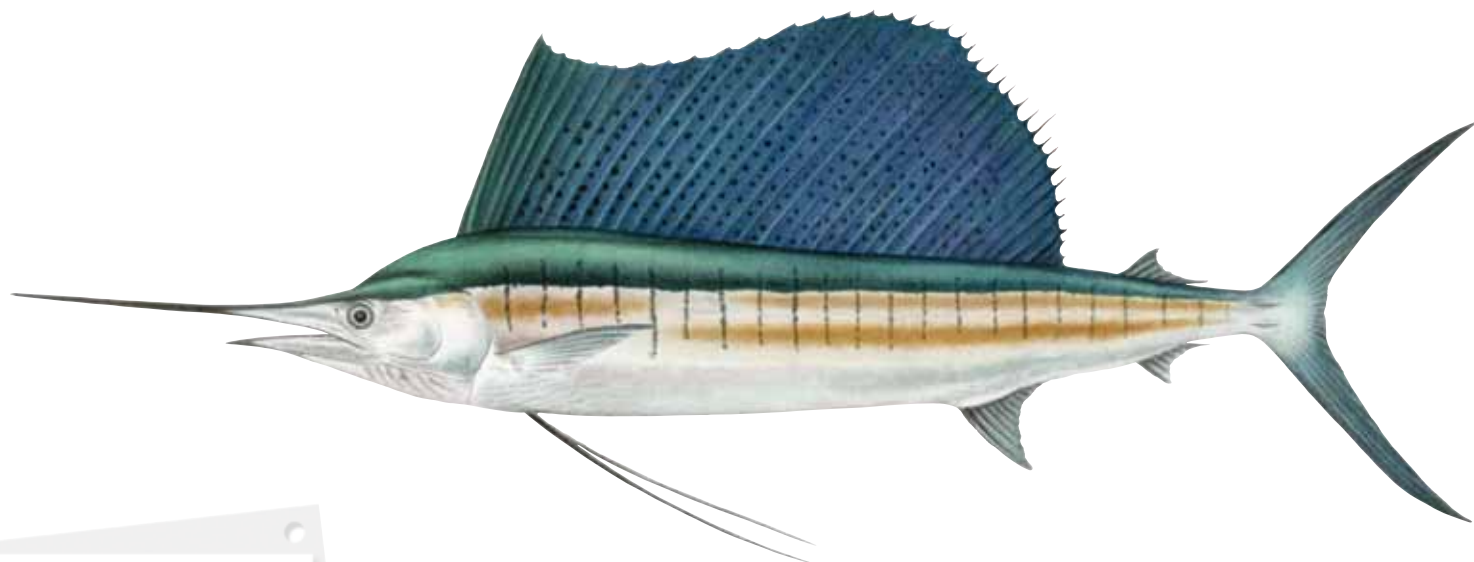
Head length

吻短，小于或等于头长

Bill very short, equal to or shorter than head length

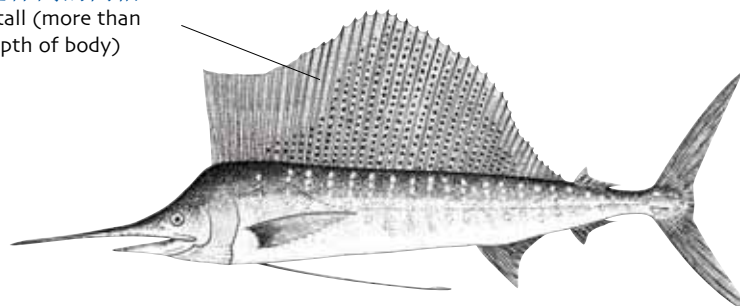
Istiophorus platypterus

SFA

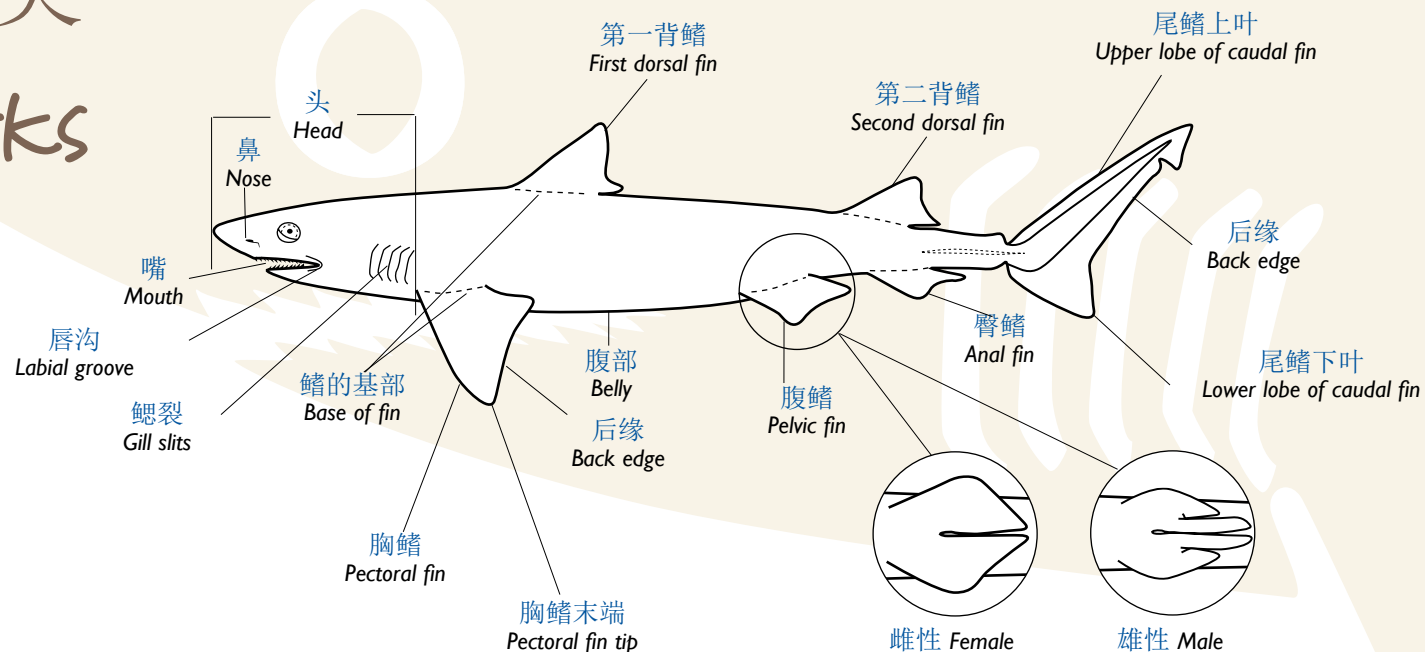


Chinese: 平旗旗鱼
English: Indo-Pacific sailfish
French: Voilier de l'Indo-Pacifique
Japanese: Basho kajiki
Hawaiian: A'u lepe, Sailfish
Local:

背鳍较高（超过体高的两倍）
Dorsal fin very tall (more than
two times depth of body)



鲨鱼类 Sharks



Scientific	Chinese	English	FAO code	Page
<i>Alopias pelagicus</i>	浅海长尾鲨	Pelagic thresher	PTH	37
<i>Alopias superciliosus</i>	大眼长尾鲨	Bigeye thresher	BTH	39
<i>Alopias vulpinus</i>	狐型长尾鲨	Common thresher, Thintail thresher	ALV	38
<i>Carcharhinus albimarginatus</i>	白边真鲨	Silvertip shark	ALS	35

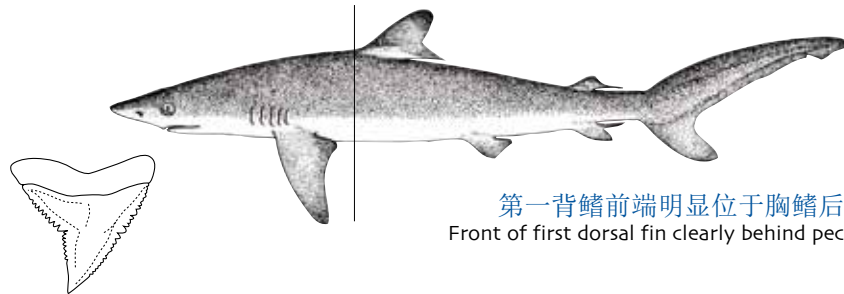
<i>Carcharhinus amblyrhynchos</i>	黑尾真鲨	Grey reef shark	AML	47
<i>Carcharhinus altimus</i>	高翅真鲨	Bignose shark	CCA	24
<i>Carcharhinus brachyurus</i>	短尾真鲨	Copper shark, Bronze whaler	BRO	23
<i>Carcharhinus falciformis</i>	镰状真鲨	Silky shark	FAL	22
<i>Carcharhinus galapagensis</i>	直翅真鲨	Galapagos shark	CCG	26
<i>Carcharhinus leucas</i>	低鳍真鲨	Bull shark	CCE	25
<i>Carcharhinus limbatus</i>	黑梢真鲨	Blacktip shark	CCL	44
<i>Carcharhinus longimanus</i>	长鳍真鲨	Oceanic whitetip shark	OCS	34
<i>Carcharhinus melanopterus</i>	乌翅真鲨	Blacktip reef shark	BLR	45
<i>Carcharhinus plumbeus</i>	铅灰真鲨	Sandbar shark	CCP	27
<i>Carcharodon carcharias</i>	噬人鲨	Great white shark	WSH	33
<i>Cetorhinus maximus</i>	姥鲨	Basking shark	BSK	49
<i>Dalatias licha</i>	铠鲨	Kitefin shark, Seal shark	SCK	53
<i>Eusphyra blochii</i>	丁字双髻鲨	Winghead shark	EUB	41
<i>Galeocerdo cuvier</i>	鼬鲨	Tiger shark	TIG	28
<i>Isistius brasiliensis</i>	巴西达摩鲨	Cookie cutter shark	ISB	50
<i>Isurus oxyrinchus</i>	尖吻鲭鲨	Shortfin mako	SMA	30
<i>Isurus paucus</i>	长鳍鲭鲨	Longfin mako	LMA	31
<i>Megachasma pelagios</i>	大口鲨	Megamouth shark	LMP	48
<i>Odontaspis noronhai</i>	大眼砂锥齿鲨	Bigeye sand tiger shark	ODH	29
<i>Prionace glauca</i>	大青鲨	Blue shark	BSH	32
<i>Pseudocarcharias kamoharai</i>	拟锥齿鲨	Crocodile shark	PSK	51
<i>Rhincodon typus</i>	鲸鲨	Whale shark	RHN	46
<i>Scymnodon squamulosus</i>	异鳞鲨	Velvet dogfish	SSQ	52
<i>Sphyma lewini</i>	路氏双髻鲨	Scalloped hammerhead	SPL	42
<i>Sphyma mokarran</i>	无沟双髻鲨	Great hammerhead	SPK	40
<i>Sphyma zygaena</i>	锤头双髻鲨	Smooth hammerhead	SPZ	43
<i>Triaenodon obesus</i>	灰三齿鲨	Whitetip reef shark	TRB	36

Carcharhinus falciformis

FAL



Chinese: 镰状真鲨
English: Silky shark
French: Requin soyeux
Japanese: Kurotogarizame
Hawaiian: Silk shark
Local:

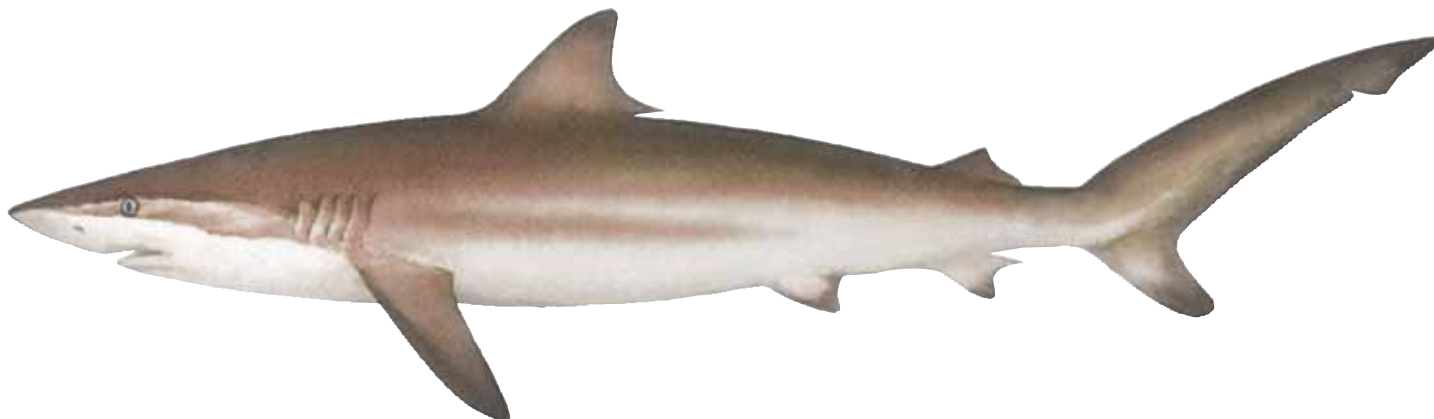


上齿形状
Shape of upper teeth

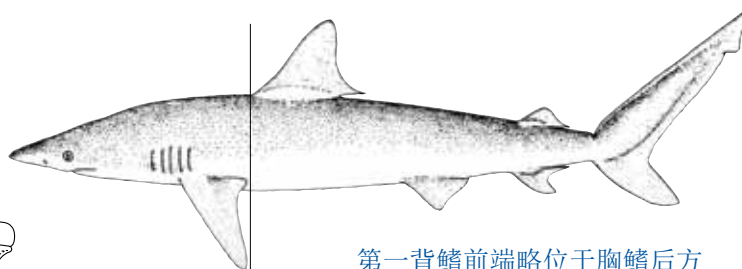
第一背鳍前端明显位于胸鳍后方
Front of first dorsal fin clearly behind pectoral fin

Carcharhinus brachyurus

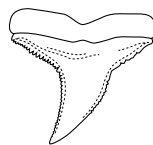
BRO



Chinese: 短尾真鲨
English: Copper shark,
Bronze whaler
French: Requin cuivre
Japanese: Kuroherimejirōzame
Local:



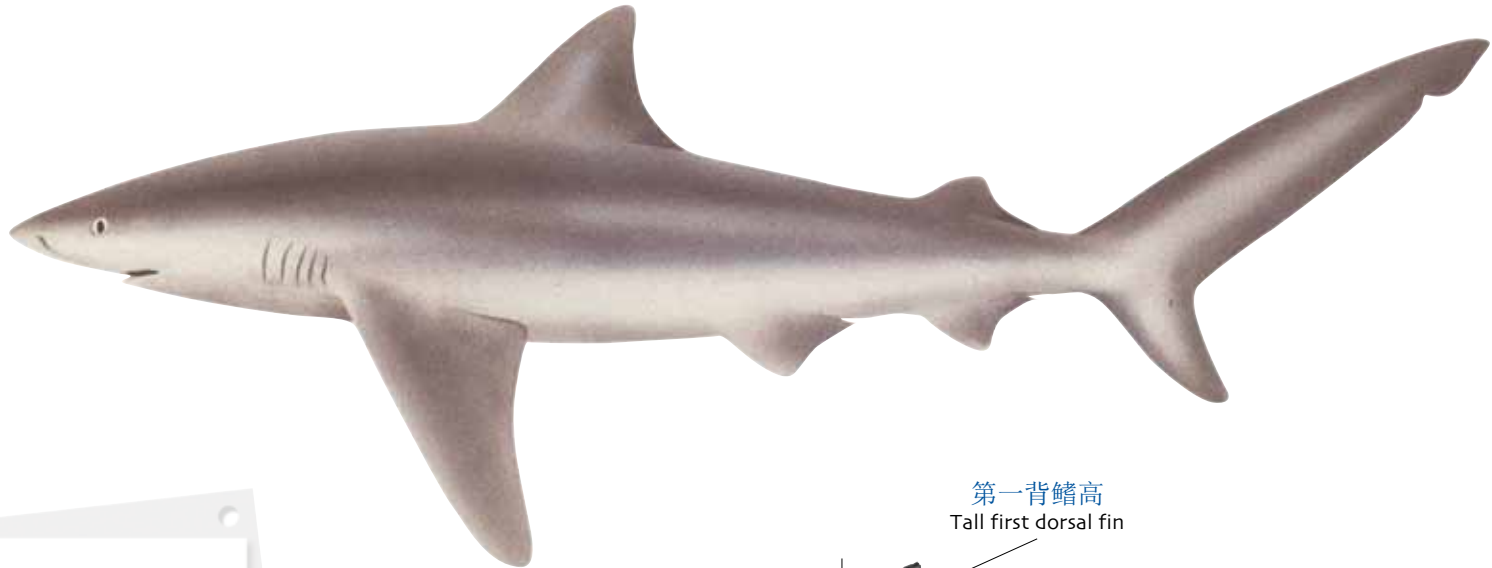
第一背鳍前端略位于胸鳍后方
Front of first dorsal fin slightly behind pectoral fin



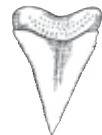
上齿形状
Shape of upper teeth

Carcharhinus altimus

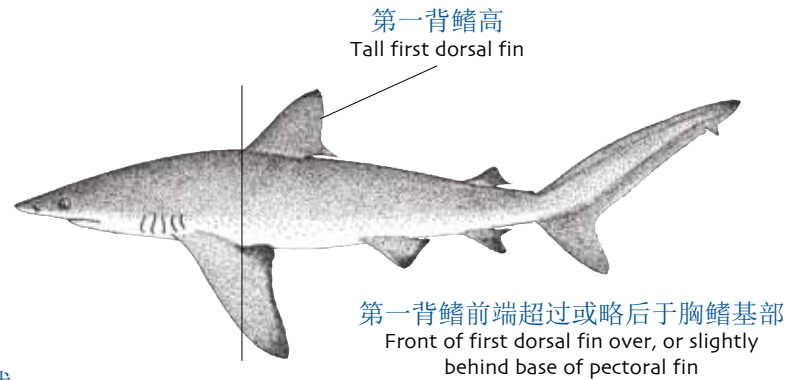
CCA



Chinese: 高翅真鲨
English: Bignose shark
French: Requin babosse
Japanese: Habire
Local:



上齿形状 上齿形状
Shape of upper teeth

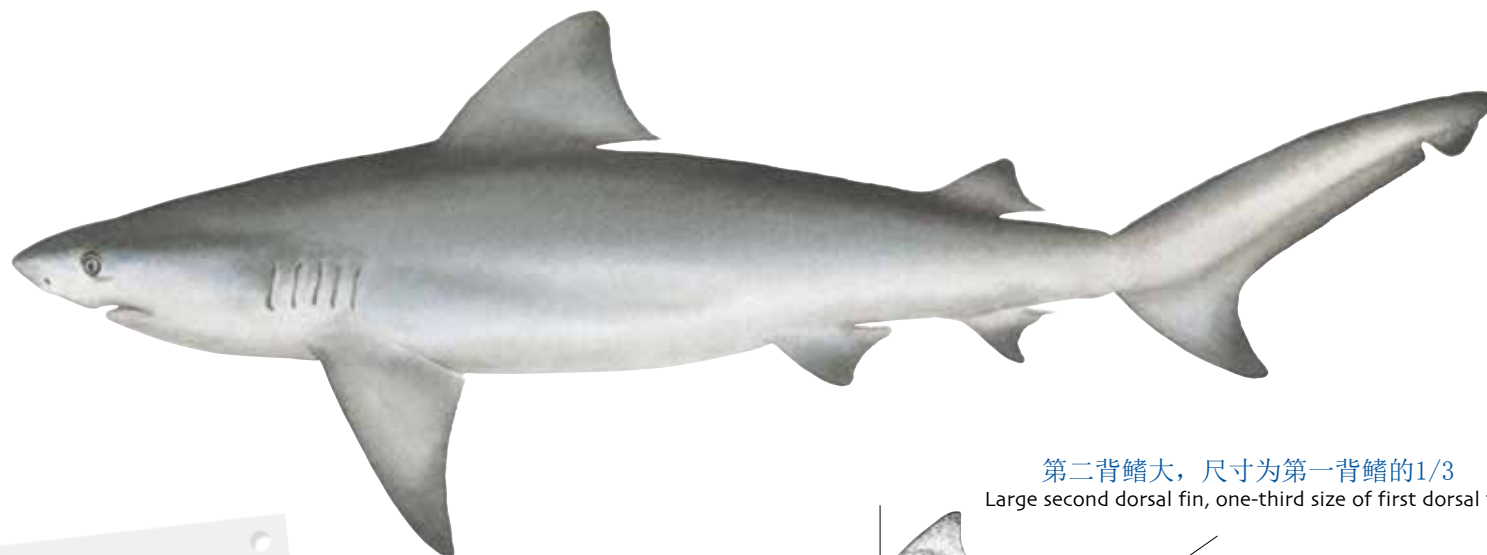


第一背鳍高
Tall first dorsal fin

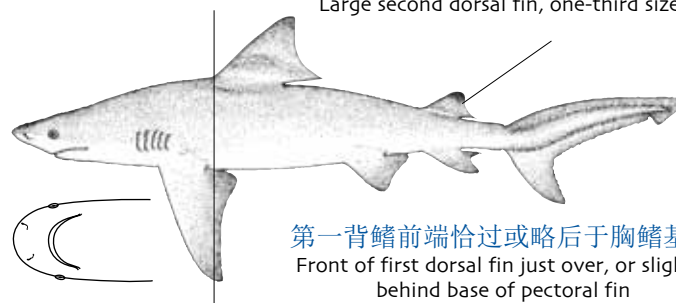
第一背鳍前端超过或略后于胸鳍基部
Front of first dorsal fin over, or slightly behind base of pectoral fin

Carcharhinus leucas

CCE



第二背鳍大，尺寸为第一背鳍的1/3
Large second dorsal fin, one-third size of first dorsal fin



第一背鳍前端恰过或略后于胸鳍基部
Front of first dorsal fin just over, or slightly behind base of pectoral fin

吻阔、圆润且极短
Snout very broadly rounded and extremely short

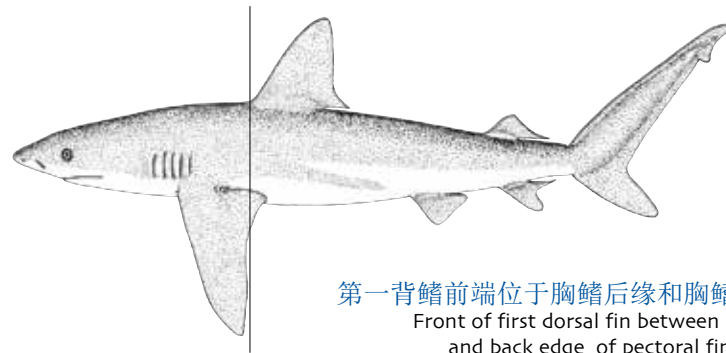


上齿形状
Shape of upper teeth

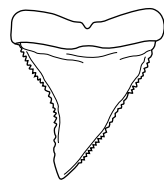
Chinese: 低鳍真鲨
English: Bull shark
French: Requin bouledogue
Japanese: Oomejirozame
Local:

Carcharhinus galapagensis

CCG



第一背鳍前端位于胸鳍后缘和胸鳍基部之间
Front of first dorsal fin between base
and back edge of pectoral fin



上齿形状
Shape of upper teeth

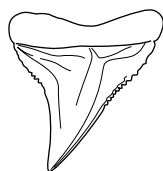
- Chinese: 直翅真鲨
- English: Galapagos shark
- French: Requin des Galapagos
- Japanese: Garapagosuzame
- Hawaiian: Mano
- Local:

Carcharhinus plumbeus

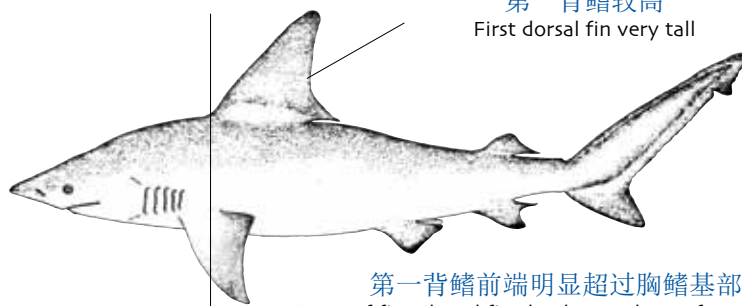
CCP



Chinese: 铅灰真鲨
English: Sandbar shark
French: Requin gris,
Requin gris à
haute dorsale
Japanese: Mejirozame,
Yajibuka
Hawaiian: Mano
Local:



上齿形状
Shape of upper teeth



第一背鳍较高
First dorsal fin very tall

第一背鳍前端明显超过胸鳍基部
Front of first dorsal fin clearly over base of pectoral fin

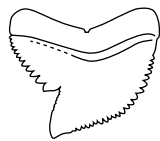
Galeocerdo cuvier

TIG

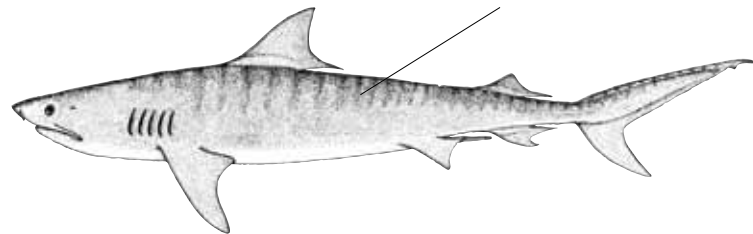


黑色、虎斑状条纹，成年后可能会消失
Dark, tiger-stripe markings that may be faded in large adults

- Chinese: 鼬鲨
- English: Tiger shark
- French: Requin tigre
- Japanese: Itachizame, Tora zame
- Hawaiian: Niuhi, Manopa'ele
- Local:



上齿形状
Shape of upper teeth



Odontaspis noronhai

ODH



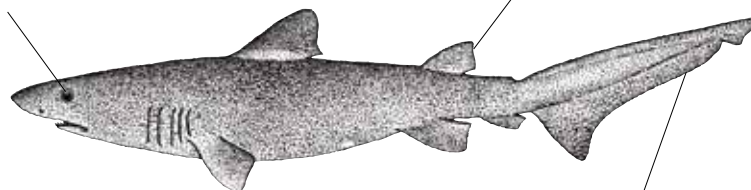
Chinese: 大眼砂锥齿鲨
English: Bigeye sand tiger shark
French: Requin noronhai
Japanese: Burajiruwanizame
Local:

眼睛大
Large eyes



上齿形状
Shape of upper teeth

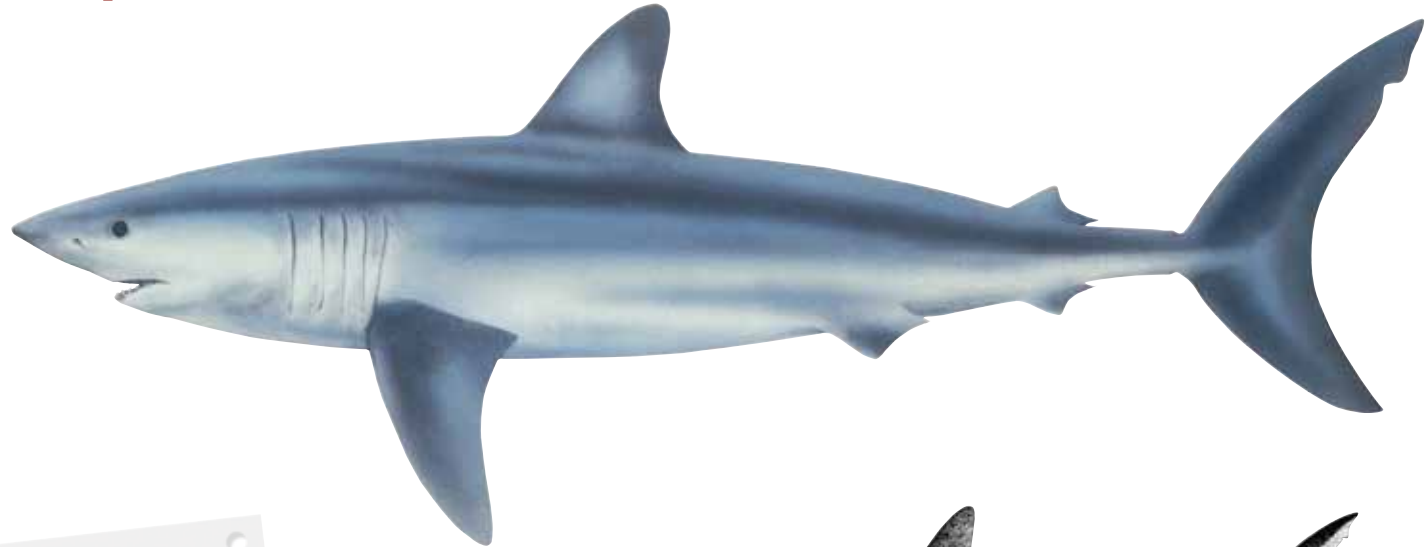
第二背鳍超过腹鳍
Second dorsal fin over pelvic fin



尾鳍上叶长于下叶
Upper lobe of caudal fin much longer than lower lobe

Isurus oxyrinchus

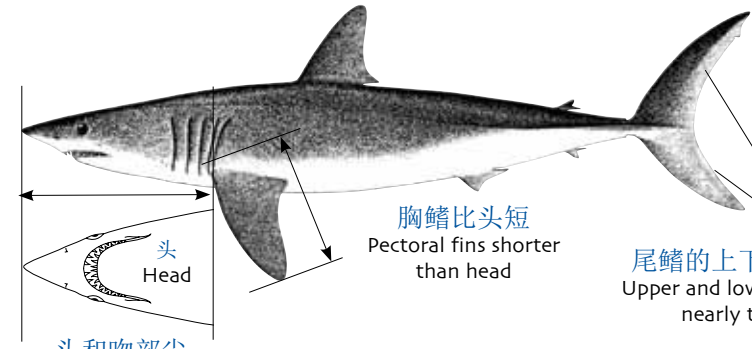
SMA



Chinese: 尖吻鲭鲨
 English: Shortfin mako
 French: Taupe bleue
 Japanese: Aozame
 Hawaiian: Mano
 Local:



上齿形状
Shape of upper teeth



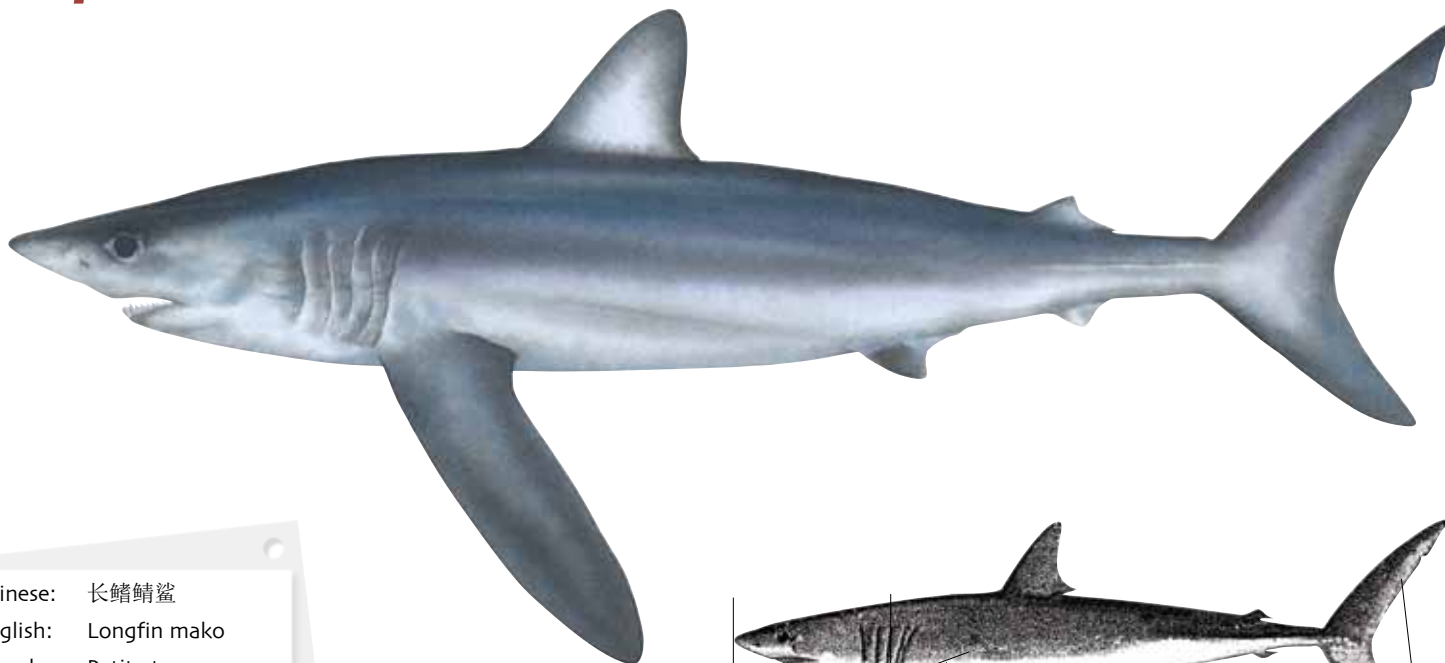
头和吻部尖
Head and snout pointed

胸鳍比头短
Pectoral fins shorter than head

尾鳍的上下叶长度几乎相同
Upper and lower lobes of caudal fin nearly the same length

Isurus paucus

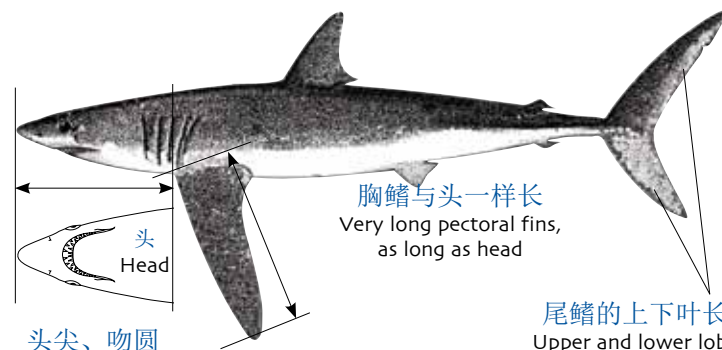
LMA



- Chinese: 长鳍鲭鲨
- English: Longfin mako
- French: Petite taupe
- Japanese: Bake-aozame
- Hawaiian: Mano
- Local:



上齿形状
Shape of upper teeth



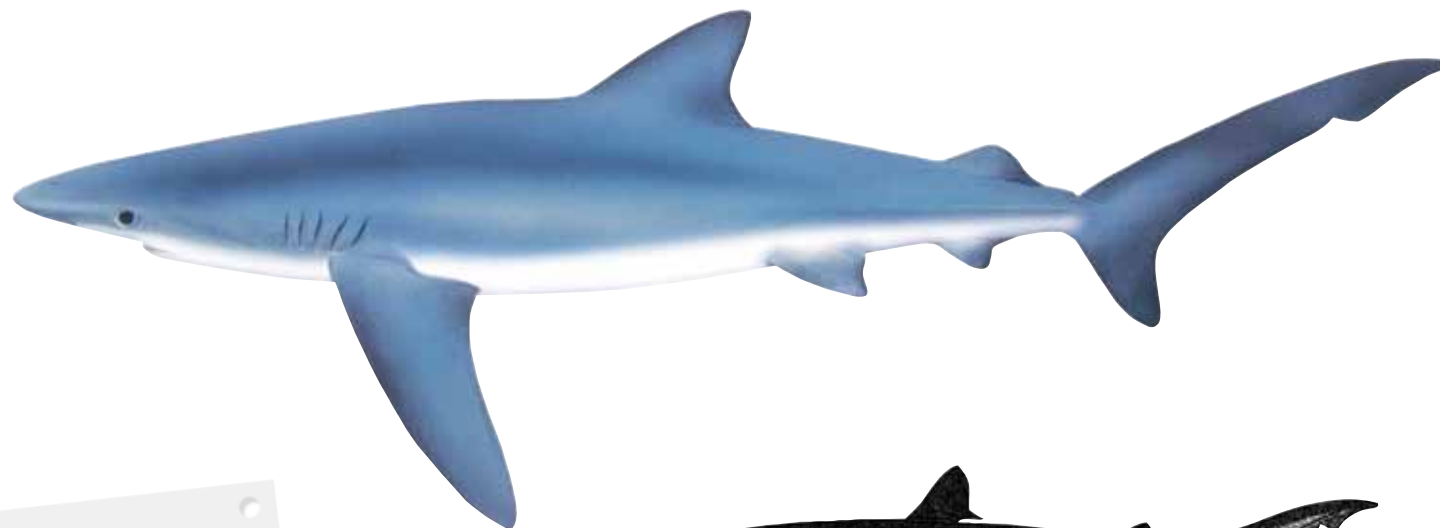
胸鳍与头一样长
Very long pectoral fins,
as long as head

头尖、吻圆
Head pointed but
snout rounded

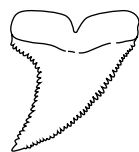
尾鳍的上下叶长度几乎相同
Upper and lower lobes of caudal fin
nearly the same length

Prionace glauca

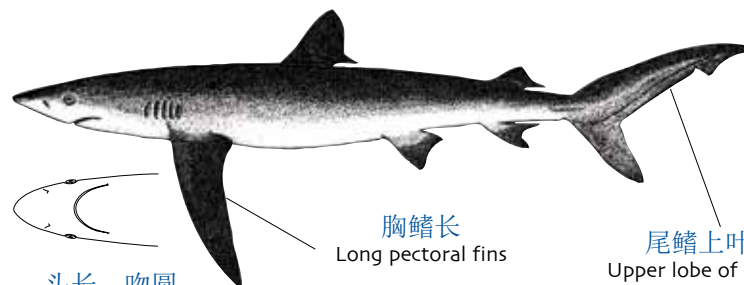
BSH



Chinese: 大青鲨
English: Blue shark
French: Peau bleue
Japanese: Yoshikirizame,
Mizubuka, Aota
Hawaiian: Mano
Local:



上齿形状
Shape of upper teeth



头长、吻圆
Head long and
snout rounded

胸鳍长
Long pectoral fins

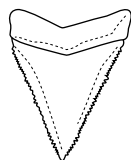
尾鳍上叶比下叶长
Upper lobe of caudal fin much
longer than lower lobe

Carcharodon carcharias

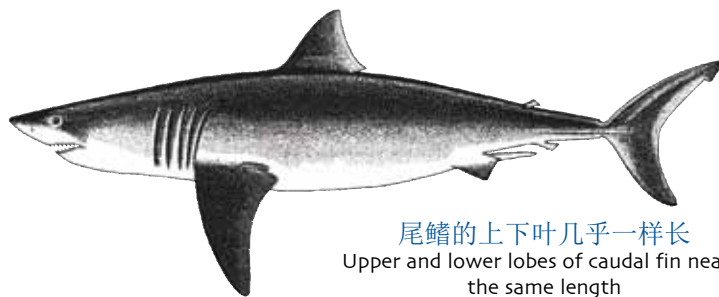
WSH



Chinese: 噬人鲨
English: Great white shark
French: Grand requin blanc
Japanese: Hohojirozame,
Hohojiro, Iragi,
Maira
Hawaiian: Niuhi
Local:



上齿形状
Shape of upper teeth

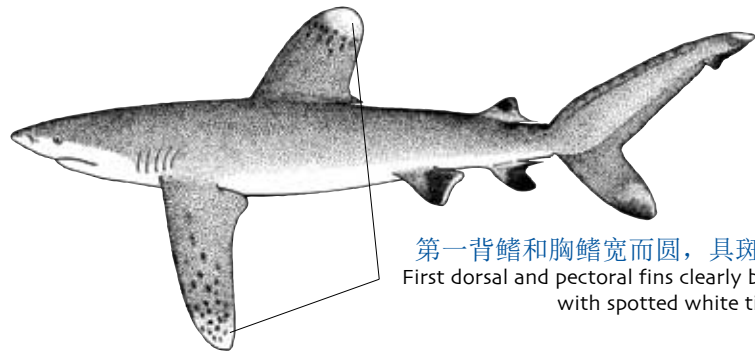


尾鳍的上下叶几乎一样长
Upper and lower lobes of caudal fin nearly
the same length

最大体长: 7m
Maximum length: 7 m

Carcharhinus longimanus

OCS



第一背鳍和胸鳍宽而圆，具斑点状的白色尖
First dorsal and pectoral fins clearly broad and rounded,
with spotted white tips

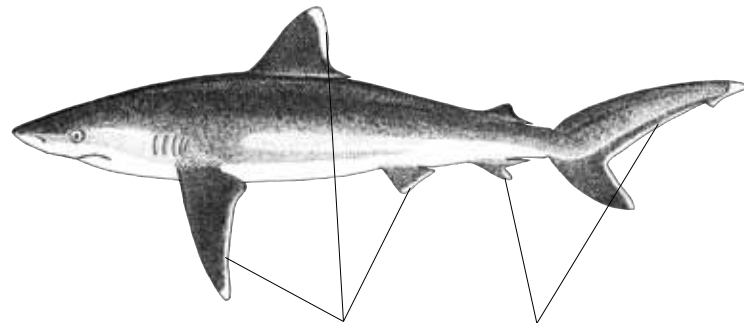
Chinese: 长鳍真鲨
English: Oceanic whitetip
shark
French: Requin océanique
Japanese: Yogore
Hawaiian: Mano nigano
Local:

Carcharhinus albimarginatus

ALS



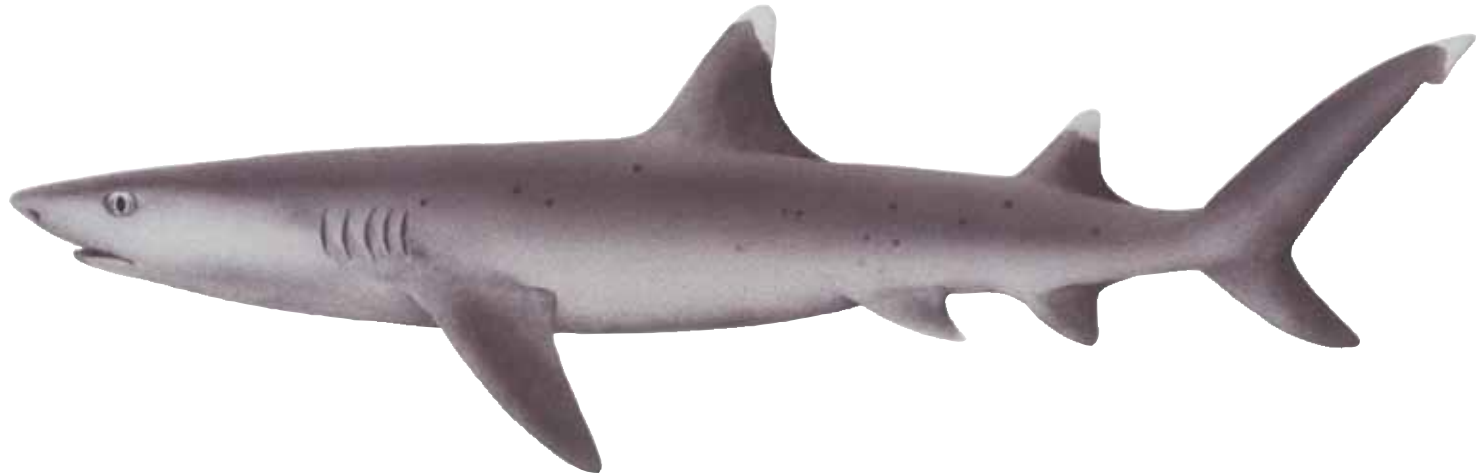
Chinese: 白边真鲨
English: Silvertip shark
French: Requin à pointes blanches
Japanese: Tsumajiro
Local:



所有鳍的后缘（不仅是顶端）为白色
Back edge (not just tips) of all fins white

Triaenodon obesus

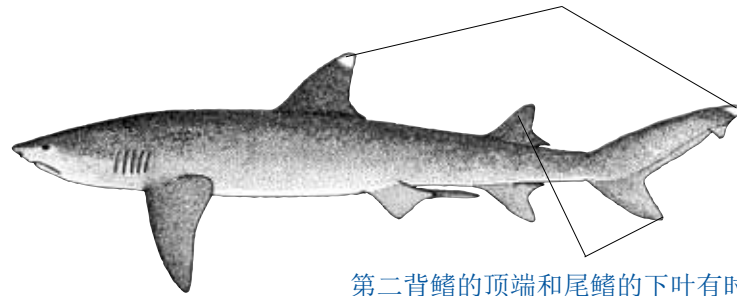
TRB



第一背鳍的顶端和尾鳍的上叶为白色

Tips of first dorsal fin and upper lobe of caudal fin always white

Chinese: 灰三齿鲨
English: Whitetip reef shark
French: Requin corail
Japanese: Nemuribuka
Hawaiian: Mano lalakea
Local:



第二背鳍的顶端和尾鳍的下叶有时为白色

Tips of second dorsal fin and lower lobe of caudal fin sometimes white

Alopias pelagicus

PTH

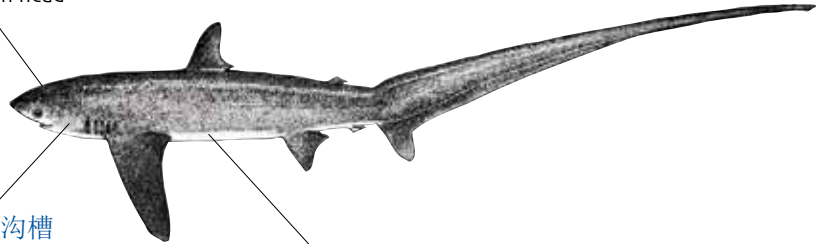


- Chinese: 浅海长尾鲨
- English: Pelagic thresher
- French: Renard pélagique
- Japanese: Nitari
- Hawaiian: Mano hi'uka, Thresher shark
- Local:

头部无沟槽
No groove on head

口腔后部无沟槽
No groove at back of mouth

胸鳍以下的腹部色淡
Light belly colour only below pectoral fins



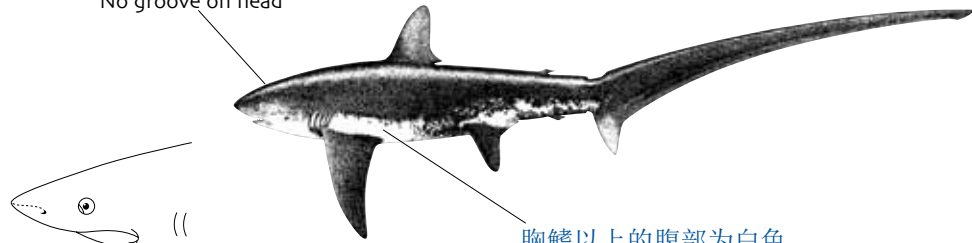
Alopias vulpinus

ALV

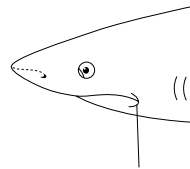


Chinese: 狐型长尾鲨
English: Common thresher,
Thintail thresher
French: Renard
Japanese: Ma-onaga,
Onaga zame
Hawaiian: Thresher shark
Local:

头部无沟槽
No groove on head



胸鳍以上的腹部为白色
White colour of belly comes above pectoral fins



口腔后有沟槽
Groove at back of mouth

Alopias superciliosus

BTH

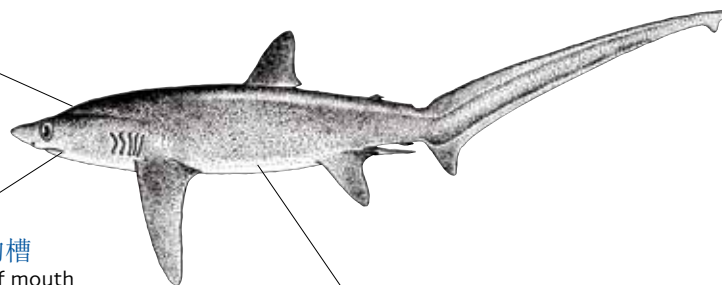


Chinese: 大眼长尾鲨
English: Bigeye thresher
French: Renard à gros yeux
Japanese: Hachiware
Hawaiian: Mano hi'uka,
Thresher shark
Local:

头部有沟槽
Groove on head

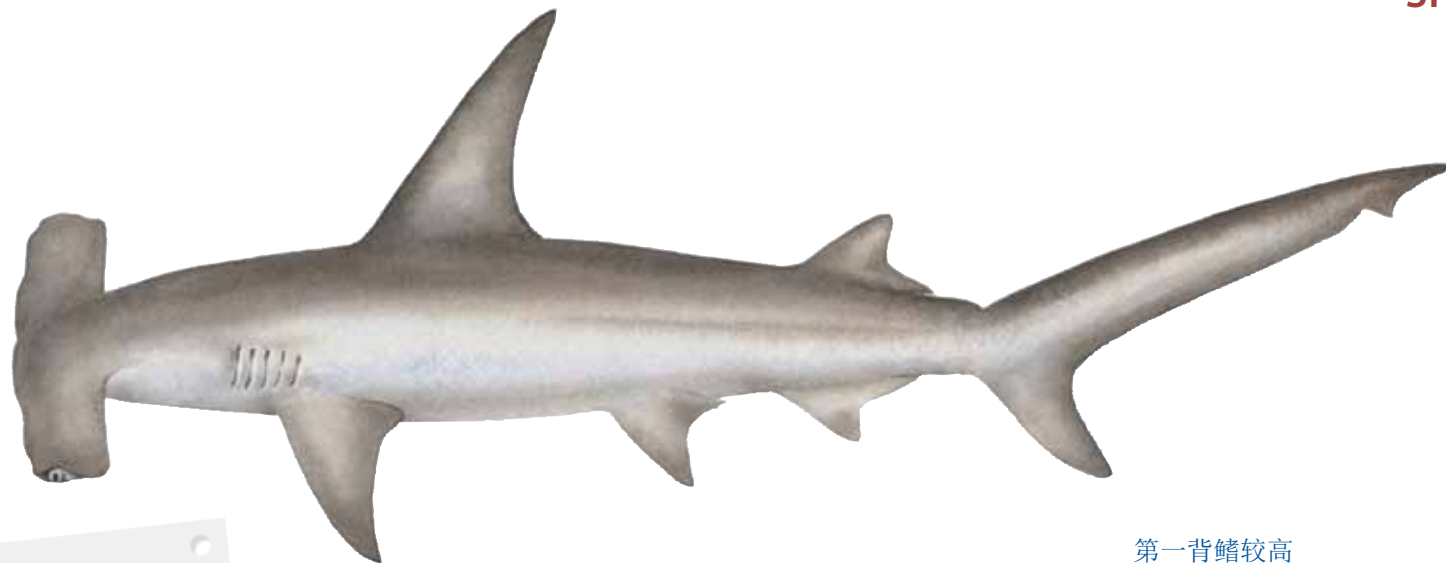
口腔后部无沟槽
No groove at back of mouth

胸鳍下方腹部为浅色
Light belly colour only below pectoral fins

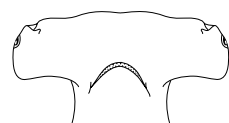
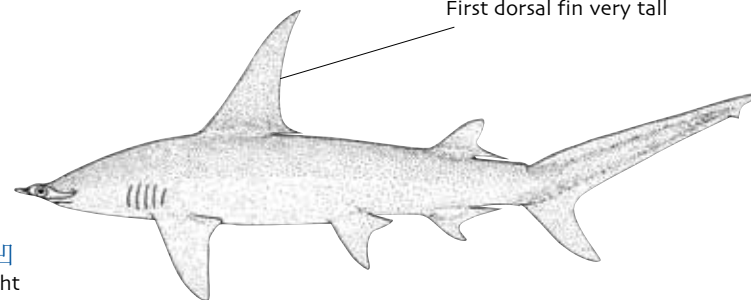


Sphyrna mokarran

SPK



第一背鳍较高
First dorsal fin very tall

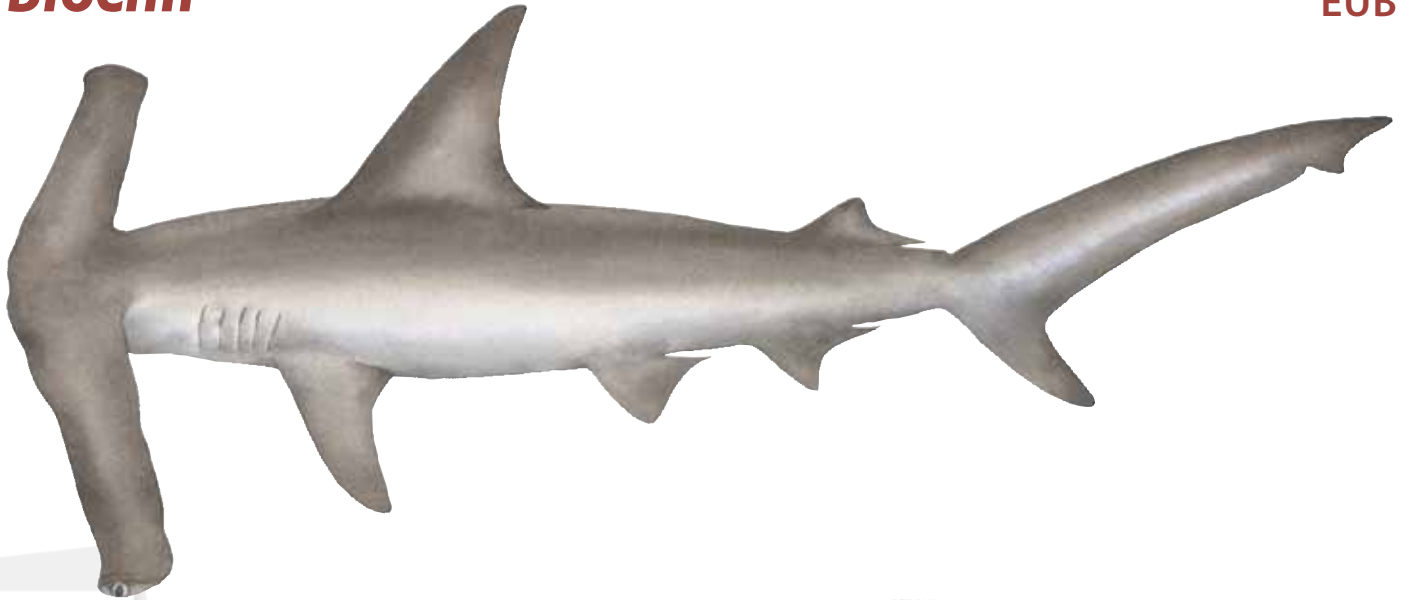


头的前端几近直线，中部略内凹
Front of head nearly straight with slight dent in middle

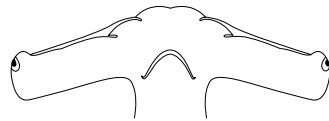
- Chinese: 无沟双髻鲨
- English: Great hammerhead
- French: Grand requin marteau
- Japanese: Hirashumokuzame
- Local:

Eusphyra blochii

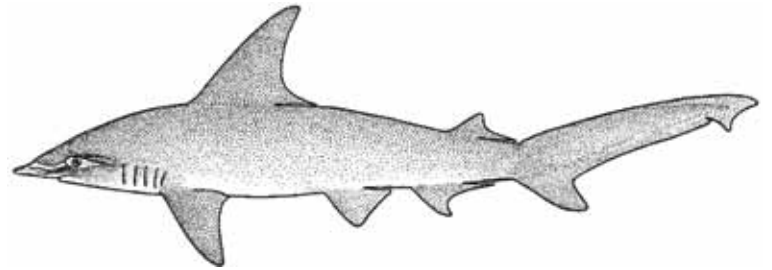
EUB



Chinese: 丁字双髻鲨
English: Winghead shark
French: Requin marteau planeur
Japanese: Indoshumokuzame
Local:



头宽、近体长的一半
Head width nearly half of body length

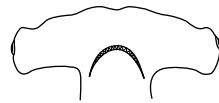


Sphyrna lewini

SPL

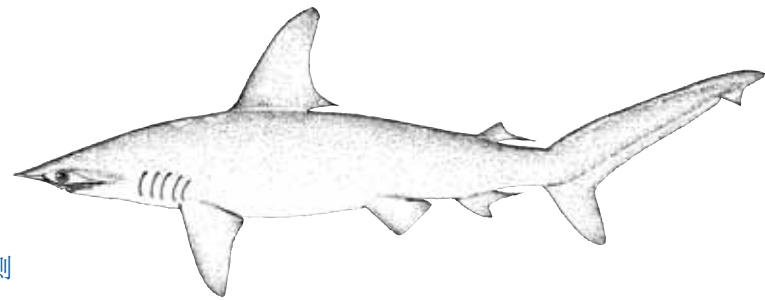


Chinese: 路氏双髻鲨
English: Scalloped hammerhead
French: Requin marteau halicorne
Japanese: Akashumokuzame
Hawaiian: Mano kihikihi
Local:



头前端弯曲，中间凹陷，每侧具独特末端

Front of head curved with middle dent and a distinct lobe at each end

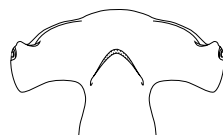


Sphyrna zygaena

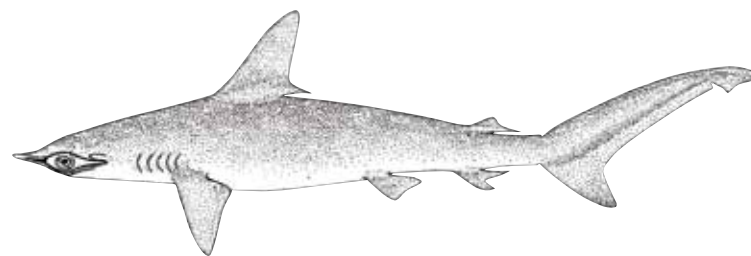
SPZ



Chinese: 锤头双髻鲨
English: Smooth hammerhead
French: Requin marteau commun
Japanese: Shiroshumokuzame
Hawaiian: Mano kihikihi
Local:

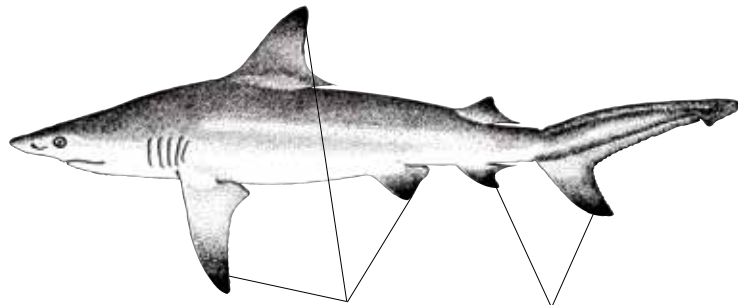
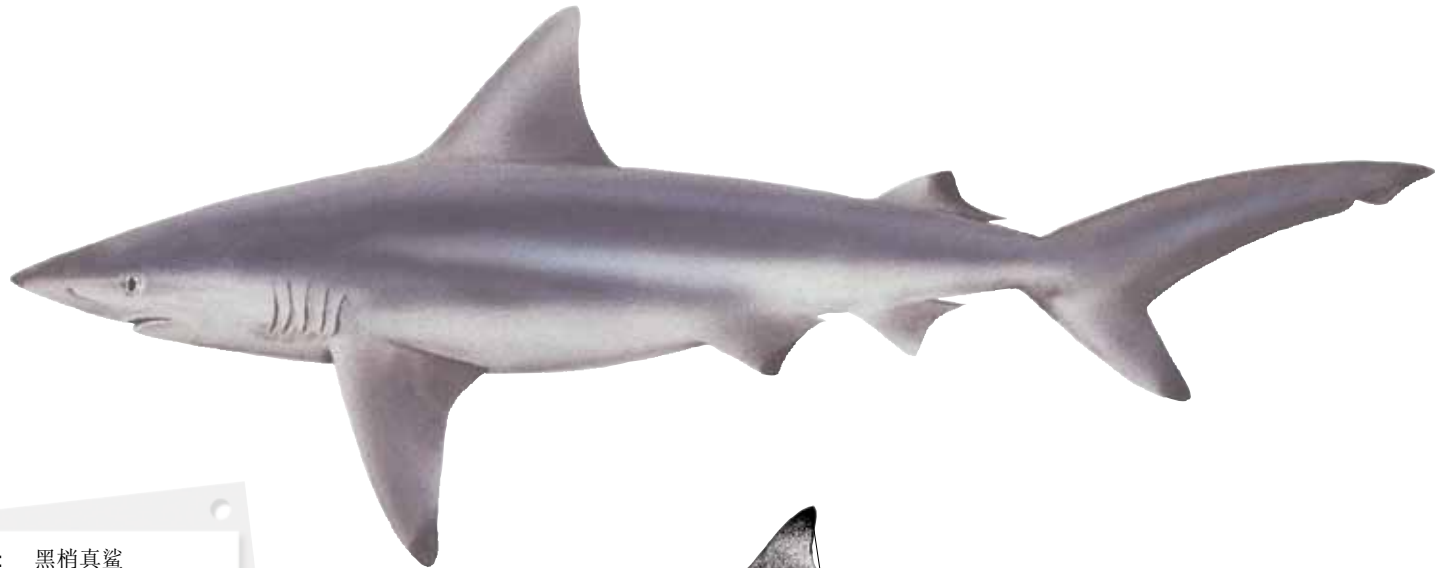


头端部呈曲线状，
中间无凹陷
Front of head curved
with no middle dent



Carcharhinus limbatus

CCL



大多数鳍的顶端颜色由暗变黑
Dark-to-black tips on most fins

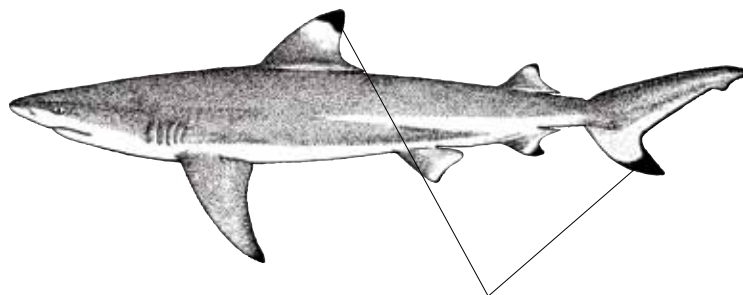
Chinese: 黑梢真鲨
English: Blacktip shark
French: Requin bordé
Japanese: Kamasutogarizame
Hawaiian: Blackfin shark
Local:

Carcharhinus melanopterus

BLR



Chinese: 乌翅真鲨
English: Blacktip reef shark
French: Requin à pointes noires
Japanese: Tsumaguro
Hawaiian: Mano pa'ele
Local:

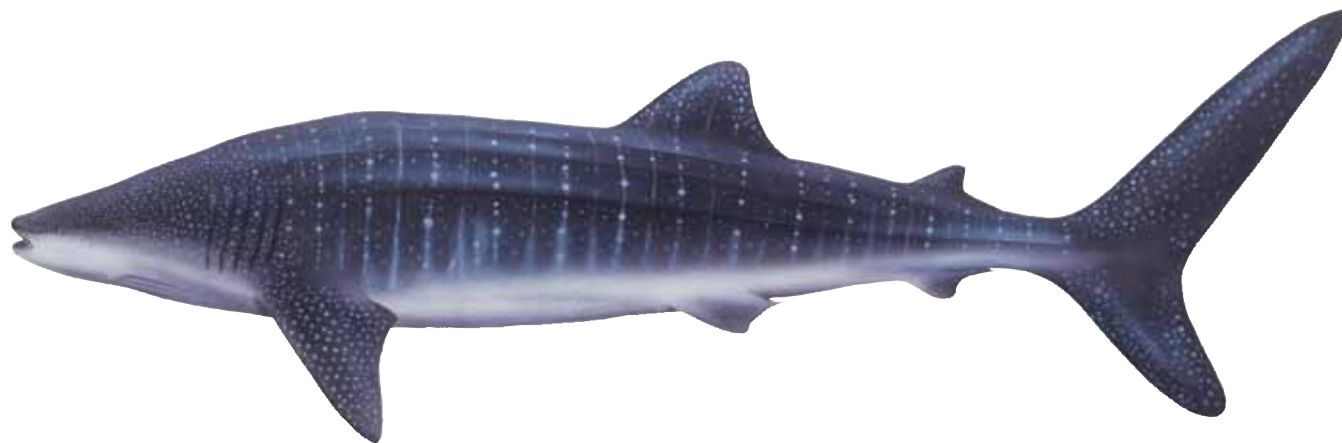


第一背鳍的顶端和尾鳍的下叶有明显的黑斑

Distinct black markings on tips of first dorsal fin and lower lobe of caudal fin

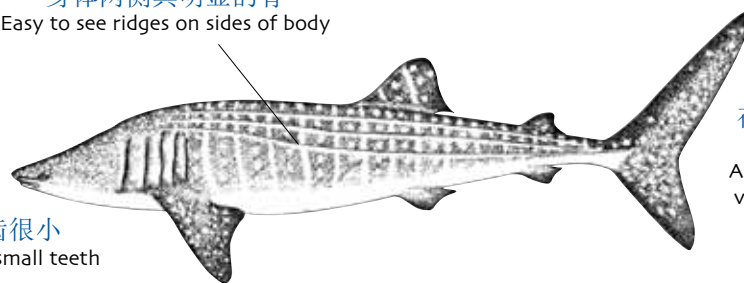
Rhincodon typus

RHN



身体两侧具明显的脊

Easy to see ridges on sides of body



在黑暗背景下具清晰的亮点和垂直条纹

A very clear pattern of light spots and vertical stripes on a dark background

齿很小

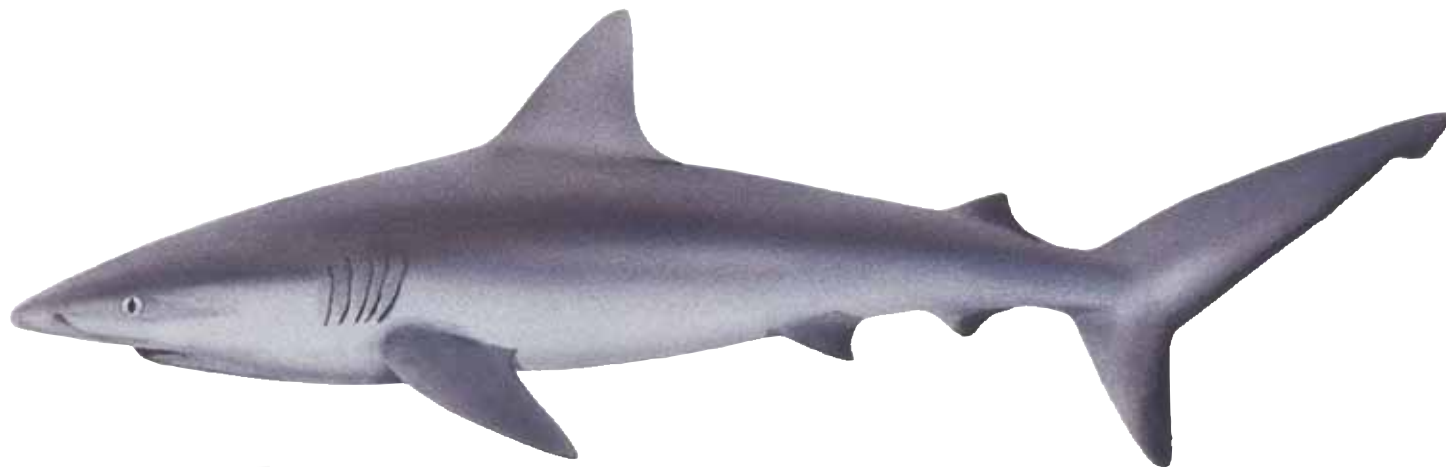
Very small teeth

最大体长：18米
Maximum length: 18 m

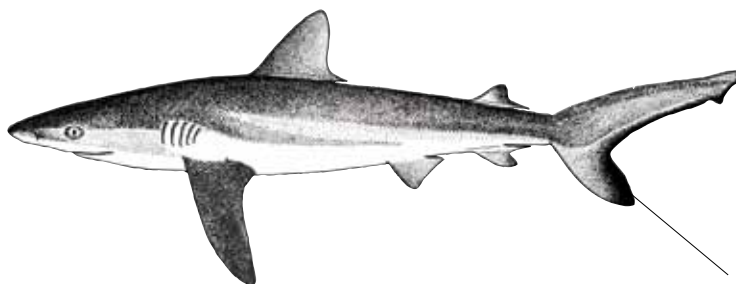
Chinese: 鲸鲨
English: Whale shark
French: Requin baleine
Japanese: Jinbeizame
Local:

Carcharhinus amblyrhynchos

AML



Chinese: 黑尾真鲨
English: Grey reef shark
French: Requin dagsit,
Requin gris de récif
Japanese: Oguromejizame,
Hairomejizame
Hawaiian: Mano lalakea
Local:



尾鳍后缘具宽的黑带
Broad black band at back edge of caudal fin

Megachasma pelagios

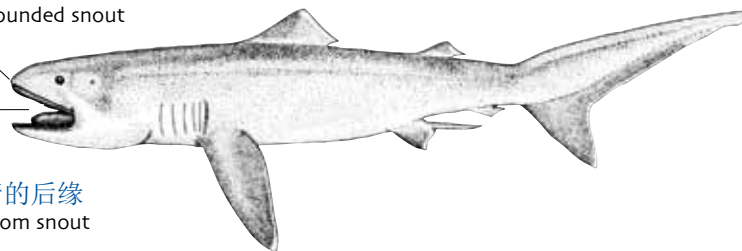
LMP



Chinese: 大口鲨
English: Megamouth shark
French: Requin grande gueule
Japanese: Megamausu
Local:

吻短而圆

Short but broadly rounded snout



嘴大，从吻延伸到眼睛的后缘
Huge mouth that extends from snout
to behind the eyes

最大体长：6米
Maximum length: 6 m

Cetorhinus maximus

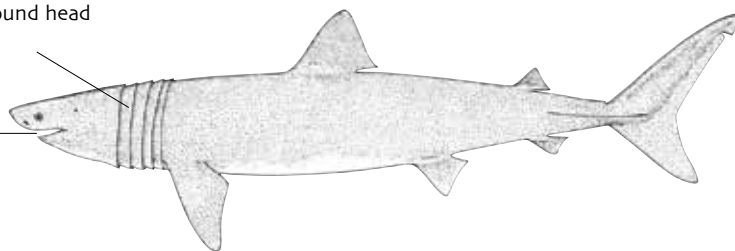
BSK



Chinese: 姥鲨
English: Basking shark
French: Pèlerin
Japanese: Ubazame
Local:

鳃裂巨大几乎扩展到整个头部
Massive gill slits extending almost
all the way around head

齿小
Very small teeth



最大体长: 12米
Maximum length: 12 m

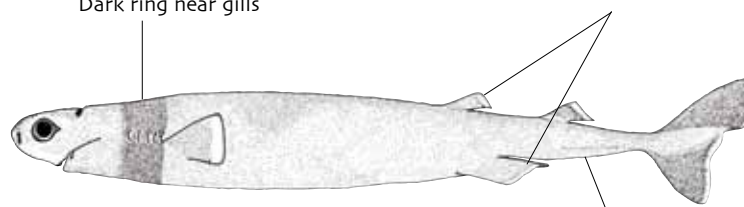
Isistius brasiliensis

ISB



鳃附近具暗环
Dark ring near gills

第一背鳍和尾鳍反向回折
First dorsal and pelvic fins way back



无臀鳍
No anal fin

最大体长：50厘米
Maximum length: 50 cm

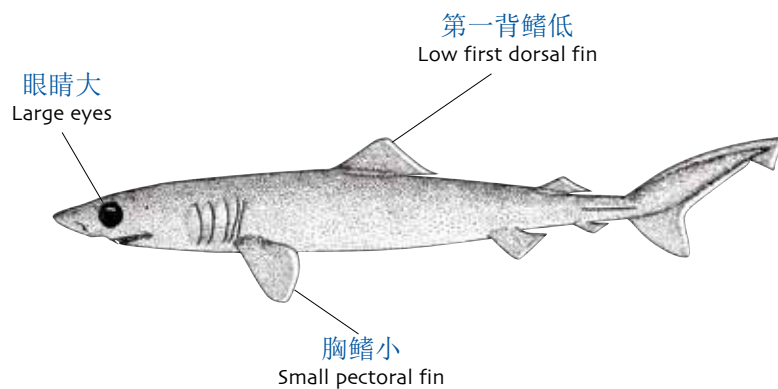
Chinese: 巴西达摩鲨
English: Cookie cutter shark
French: Squalelet féroce
Japanese: Darumazame
Hawaiian: Cookie cutter shark
Local:

Pseudocarcharias kamoharai

PSK



Chinese: 拟锥齿鲨
English: Crocodile shark
French: Requin crocodile
Japanese: Mizuwani,
Shikkui, Tobituki
Local:



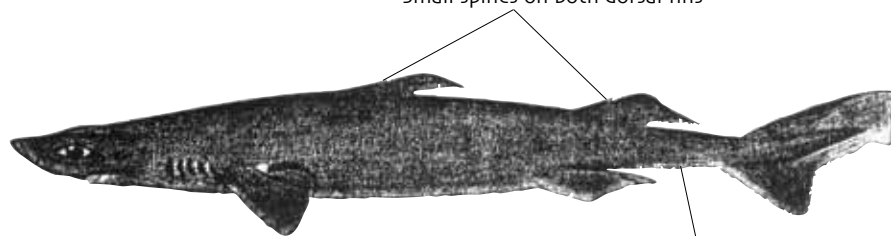
最大体长: 110厘米
Maximum length: 110 cm

Scymnodon squamulosus

SSQ



两背鳍上有小棘
Small spines on both dorsal fins



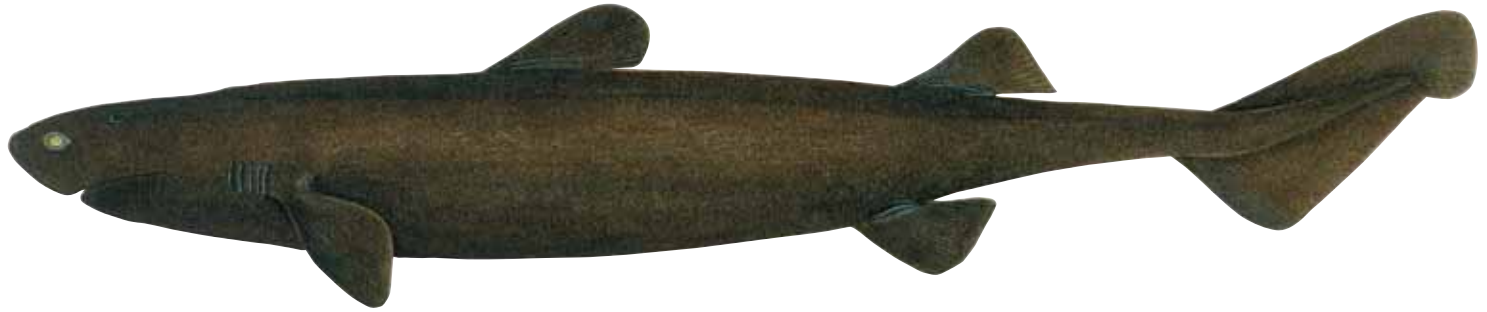
无臀鳍
No anal fin

最大体长：85厘米
Maximum length: 85 cm

Chinese: 异鳞鲨
English: Velvet dogfish
French: Squale grogneur velouté
Japanese: Birodozame
Local:

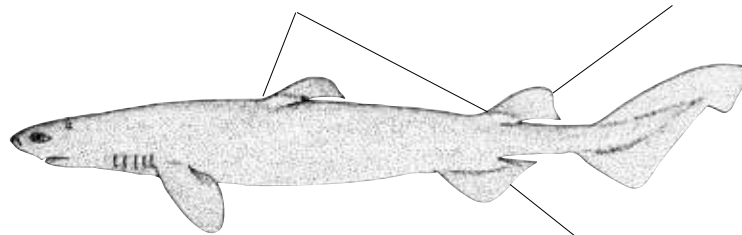
Dalatias licha

SCK



背鳍上无棘
No spine on dorsal fins

第二背鳍大小与第一背鳍相同或更大
Second dorsal fin same size or larger than first dorsal fin



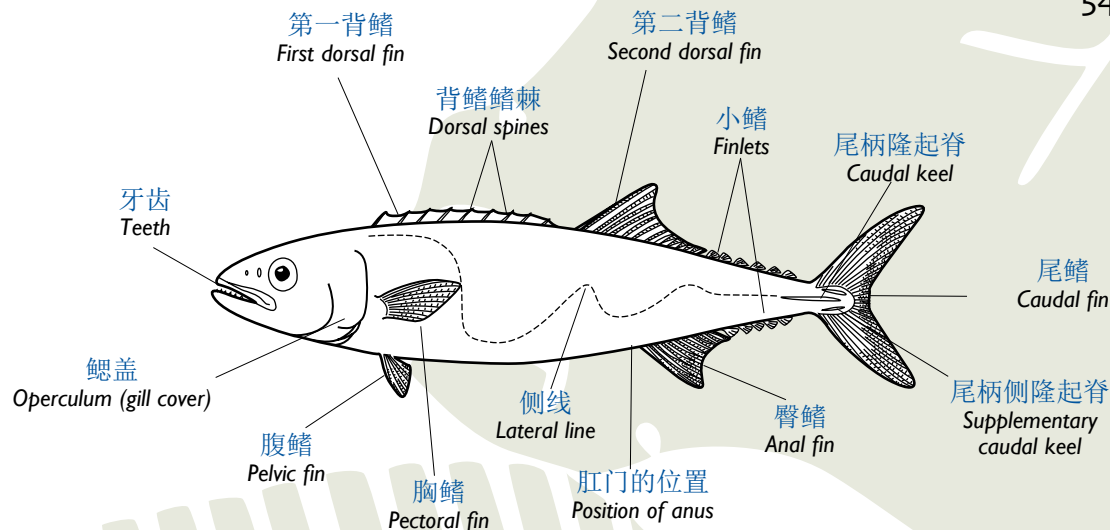
腹鳍大、无臀鳍
Large pelvic fin and no anal fin

最大体长：160厘米
Maximum length: 160 cm

Chinese: 铠鲨
English: Kitefin shark,
Seal shark
French: Squale liche
Japanese: Yoroizame
Local:

其他鱼类

Other fish species



Scientific	Chinese	English	FAO code	Page
<i>Acanthocybium solandri</i>	沙氏刺鲅	Wahoo	WAH	56
<i>Alepisaurus brevirostris</i>	短吻帆蜥鱼	Short snouted (shortnose) lancetfish	ALO	76
<i>Alepisaurus ferax</i>	帆蜥鱼	Long snouted (longnose) lancetfish	ALX	77
<i>Assurger anzac</i>	长剃刀带鱼	Razorback scabbardfish	ASZ	92
<i>Brama brama</i>	乌鲂	Atlantic pomfret, Ray's bream	POA	60
Bramidae (other)	乌鲂和鳍鲂 (其他)	Other pomfrets and fanfishes	BRZ	61
<i>Coryphaena hippurus</i>	鲳鱼	Common dolphinfish, Mahi mahi	DOL	66
<i>Cubiceps gracilis</i>	长鳍方头鲳	Driftfish	CBG	67
<i>Dasyatis violacea</i>	紫魮	Pelagic stingray	PLS	87
<i>Eumegistus illustris</i>	真乌鲂	Brilliant pomfret, Lustrous pomfret	EBS	59
<i>Elagatis bipinnulata</i>	纺锤鲷	Rainbow runner	RRU	84
Gempylidae (other)	蛇鲭 (其他)	Other gemfish and snake mackerels	GEP	75

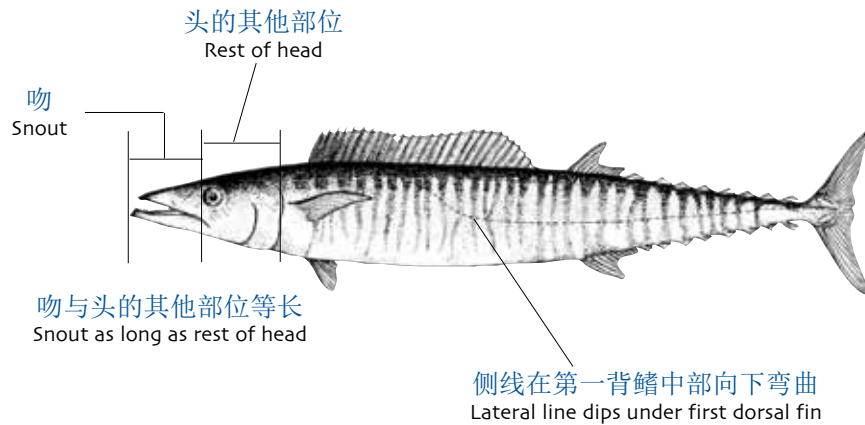
<i>Gempylus serpens</i>	蛇鲭	Snake mackerel	GES	71
<i>Grammistes sexlineatus</i>	六线黑鲈	Goldenstriped soapfish, Sixline soapfish	GSE	83
<i>Lagocephalus lagocephalus</i>	兔头鲈	Rabbit puffer, Oceanic puffer	LGH	82
<i>Lampris guttatus</i>	月鱼	Opah, Moonfish	LAG	62
<i>Lepidocybium flavobrunneum</i>	异鳞蛇鲭	Escolar	LEC	68
<i>Lophotus capellei</i>	凹鳍冠带鱼	Unicornfish	LOP	90
<i>Lophotus lacepede</i>	拉氏冠带鱼	Crested oarfish, Crestfish	LLL	91
<i>Manta birostris</i>	双吻前口蝠鲼	Giant manta	RMB	88
<i>Masturus lanceolatus</i>	矛尾翻车鲀	Sharptail mola, Sharptail sunfish	MRW	64
<i>Mobula spp.</i>	蝠鲼属	Other manta rays and devil rays	MNT	89
<i>Mola mola</i>	翻车鲀	Ocean sunfish	MOX	65
<i>Nesiarchus nasutus</i>	无耙蛇鲭	Black gemfish	NEN	73
<i>Omosudis lowei</i>	锤颌鱼	Omosudid, Hammerjaw	OMW	78
<i>Promethichthys prometheus</i>	纺锤蛇鲭	Roudi escolar, Snake mackerel	PRP	70
<i>Ranzania laevis</i>	长体翻车鲀	Slender sunfish	RZV	63
Regalecidae	皇带鱼科	Oarfish	RRG	95
<i>Rexea solandri</i>	南短蛇鲭	Silver gemfish	GEM	74
<i>Ruvettus pretiosus</i>	棘鳞蛇鲭	Oilfish	OIL	69
<i>Scombrobrax heterolepis</i>	鲭鲈	Longfin escolar, Black mackerel	SXH	86
<i>Seriola lalandi</i>	黄尾鲷	Yellowtail amberjack	YTC	85
<i>Sphyræna barracuda</i>	大魷	Great barracuda	GBA	79
<i>Sphyræna jello</i>	斑条魷	Pickhandle barracuda	BAC	80
<i>Sphyræna qenie</i>	类魷	Blackfin barracuda	BAB	81
<i>Scomberomorus commerson</i>	康氏马鲛	Narrow-barred Spanish mackerel	COM	57
<i>Taractichthys steindachneri</i>	凹尾长鳍乌鲂	Sickle pomfret	TST	58
<i>Thyrsites atun</i>	杖蛇鲭	Snoek, Barracouta	SNK	72
Trachipteridae	粗鳍鱼科	Ribbonfish and Dealfish	TRX	94
Trichiuridae (other)	带鱼科 (其他)	Other scabbardfishes, hairtails, frostfishes	CUT	93

Acanthocybium solandri

WAH

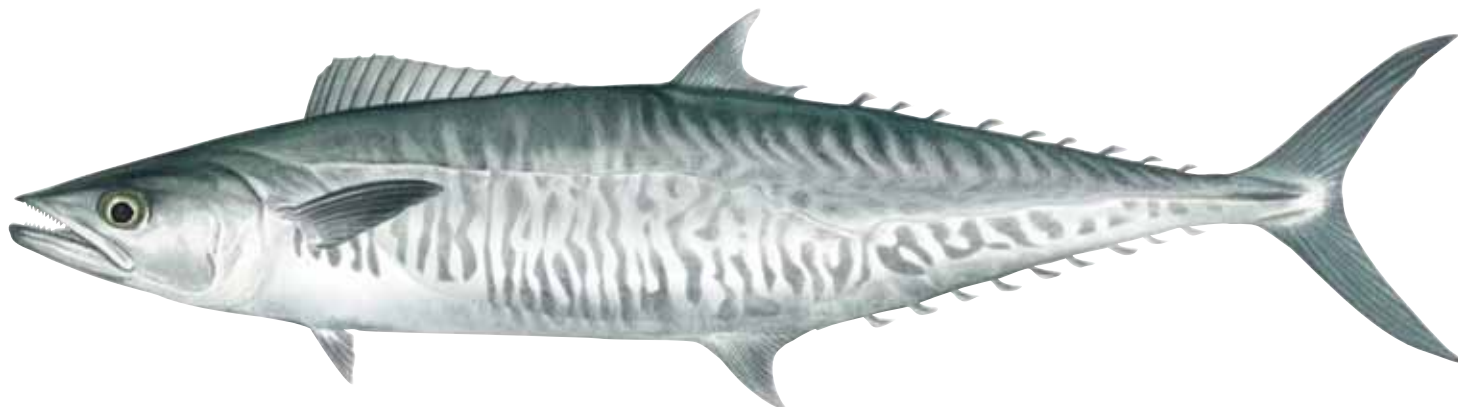


Chinese: 沙氏刺鲅
English: Wahoo
French: Thazard-bâtard
Japanese: Kamasu-sawara
Hawaiian: Ono
Local:

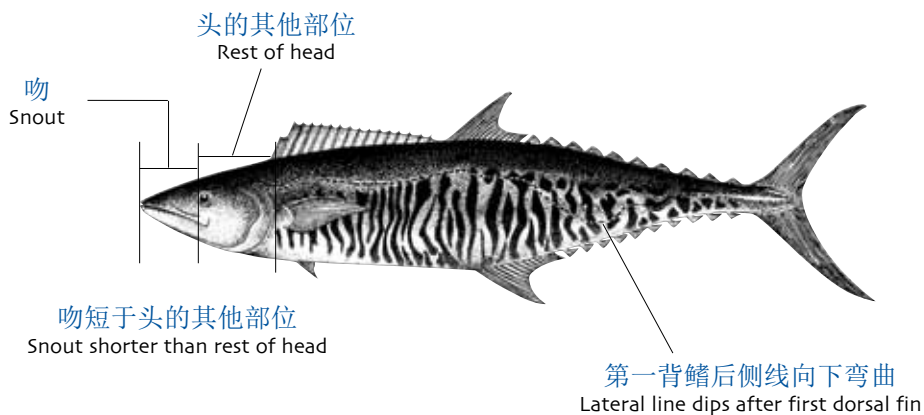


Scomberomorus commerson

COM



Chinese: 康氏马鲛
English: Narrow-barred Spanish mackerel
French: Thazard rayé indo-pacifique
Japanese: Yokoshima-sawara
Local:



Taractichthys steindachneri

TST



第一背鳍和臀鳍特长
Obviously long first dorsal
and anal fins

尾鳍边缘白色
White margin
on caudal fin

鳞片大
Large scales

腹侧脊
Ventral ridge

腹鳍区域圆润
Interpelvic area rounded

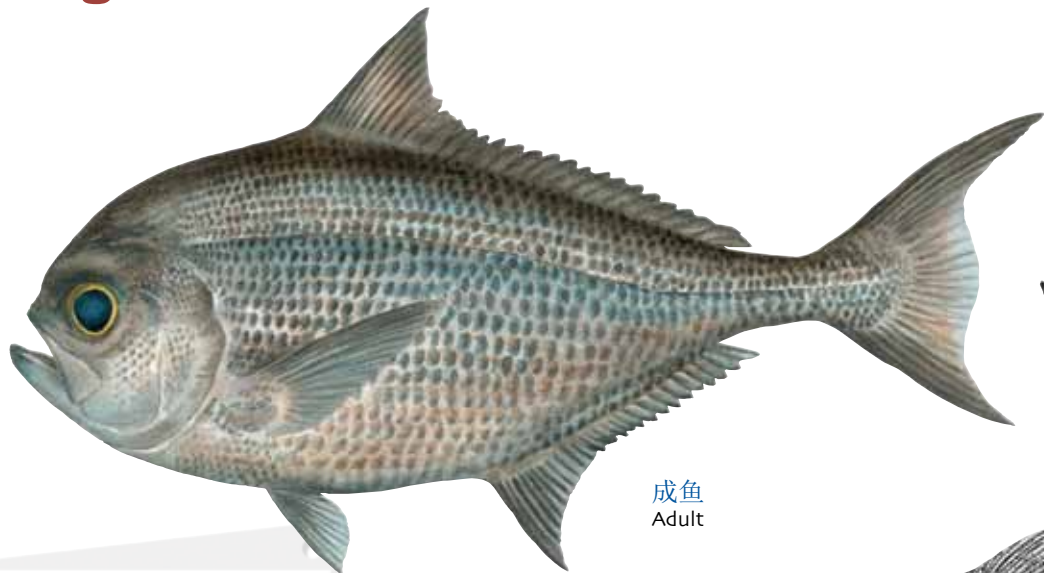
肛门
Anus

- Chinese: 凹尾长鳍乌鲂
- English: Sickle pomfret
- French: Castagnole fauchoir, Brème noire
- Japanese: Hirejiro-manzai-uo
- Hawaiian: Monchong, Pomfret
- Local:



Eumegistus illustris

EBS

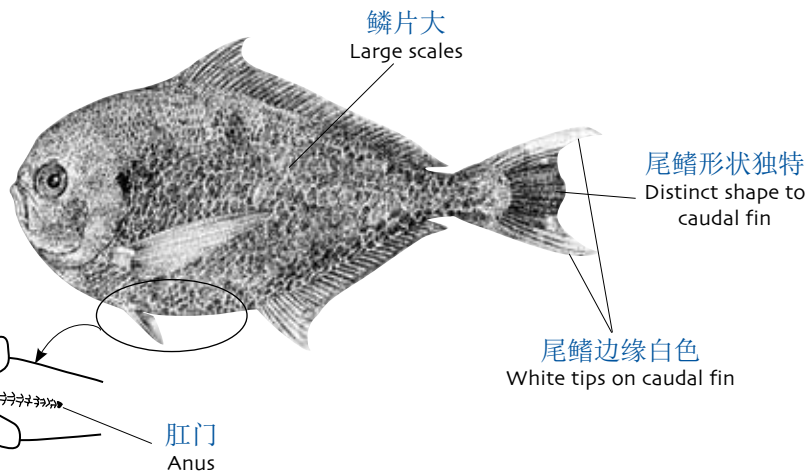


成鱼
Adult



幼鱼 (30厘米以下)
Juvenile (to 30 cm)

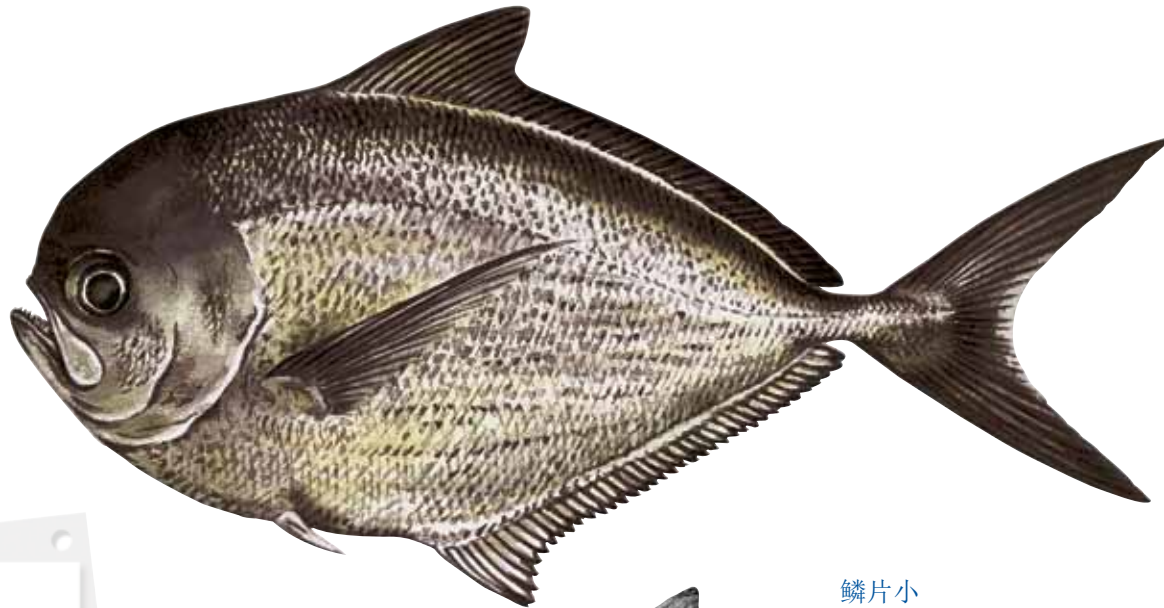
- Chinese: 真乌鲂
- English: Brilliant pomfret, Lustrous pomfret
- French: Brème noire brillante
- Japanese: Chikame-echiopia
- Hawaiian: Monchong, Pomfret
- Local:



腹鳍区域平坦
Interpelvic area flat

Brama brama

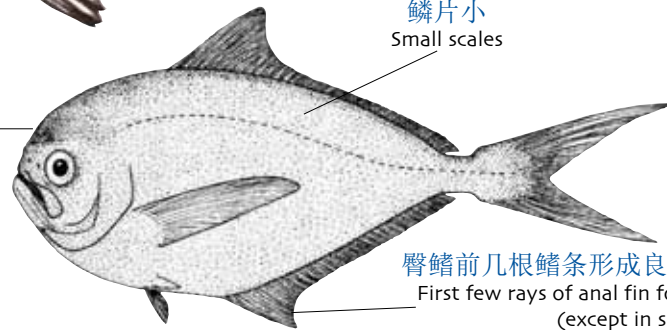
POA



Chinese: 乌鲂
English: Atlantic pomfret,
Ray's bream
French: Grande castagnole
Japanese: Echiopia,
Shimagatsuo
Local:

头成明显的拱形
Head obviously arched

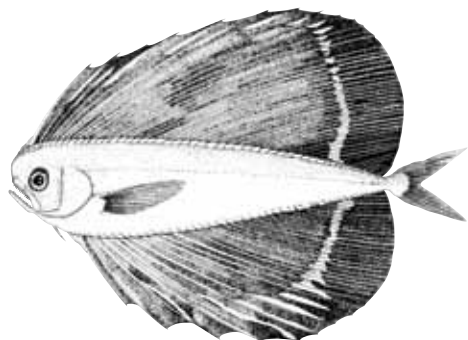
鳞片小
Small scales



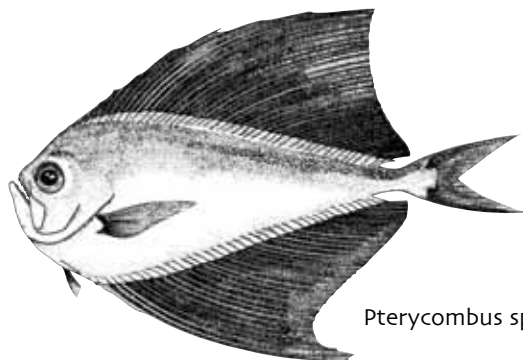
臀鳍前几根鳍条形成良好的叶片(小的幼鱼除外)
First few rays of anal fin forming a well-developed lobe
(except in small juveniles)

Bramidae (other)

BRZ



Pteraclis spp.



Pterycombus spp.

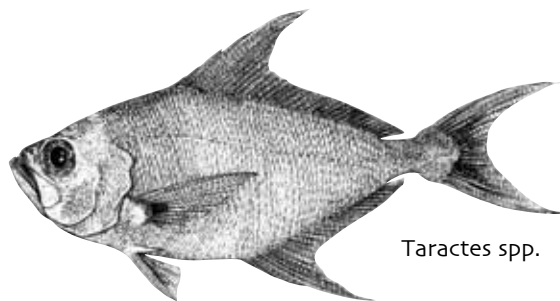
本科的物种:

- 下颌角斜度大
- 单背鳍
- 成鱼尾鳍成明显的叉状

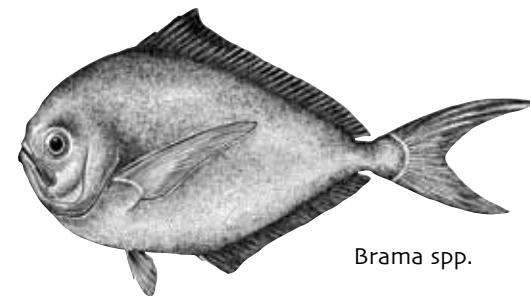
Species in this family have:

- Angle of jaw very slanted
- Single dorsal fin
- Caudal fin of adults strongly forked

Chinese: 其他乌鲂和鳍鲂
English: Other pomfrets and fanfishes
French: Autres Bramidae
Japanese: Shima-gatuo
Hawaiian: Monchong
Local:



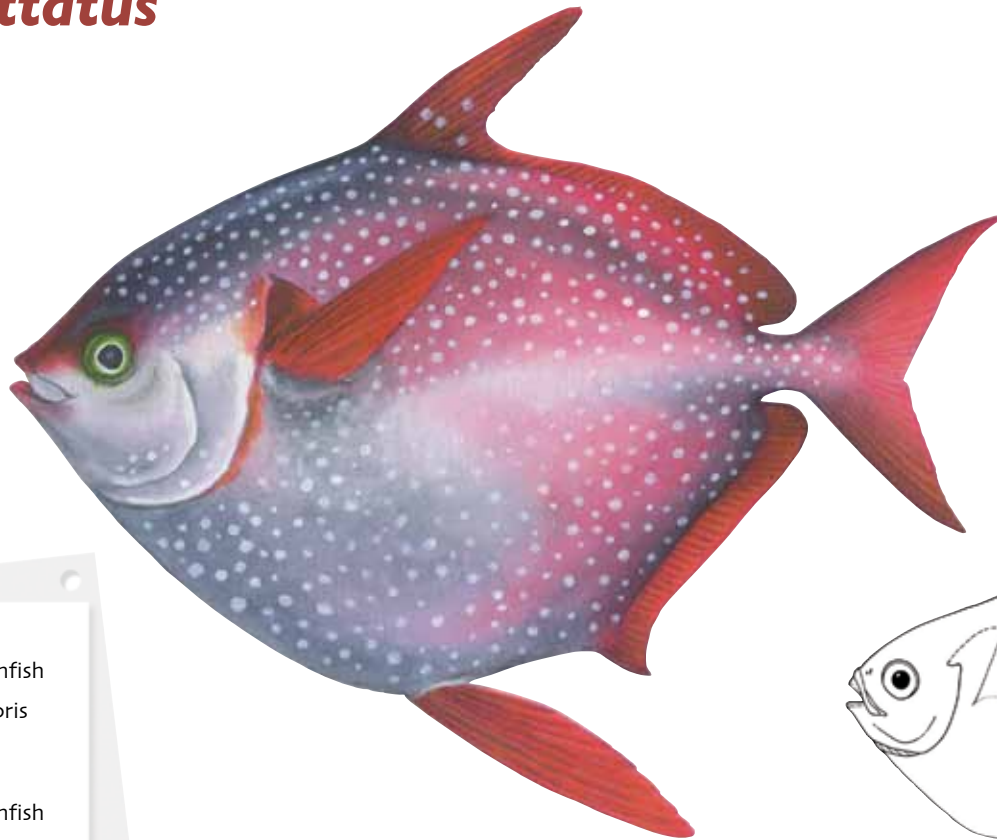
Taractes spp.



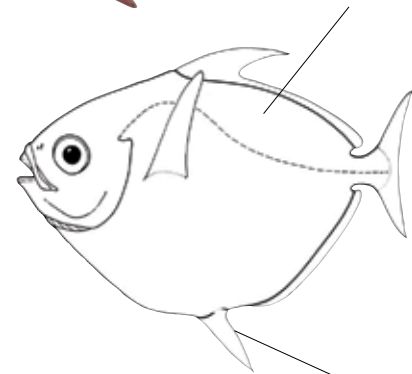
Brama spp.

Lampris guttatus

LAG



体型、颜色和斑纹独特
Distinct body shape, colour
and markings

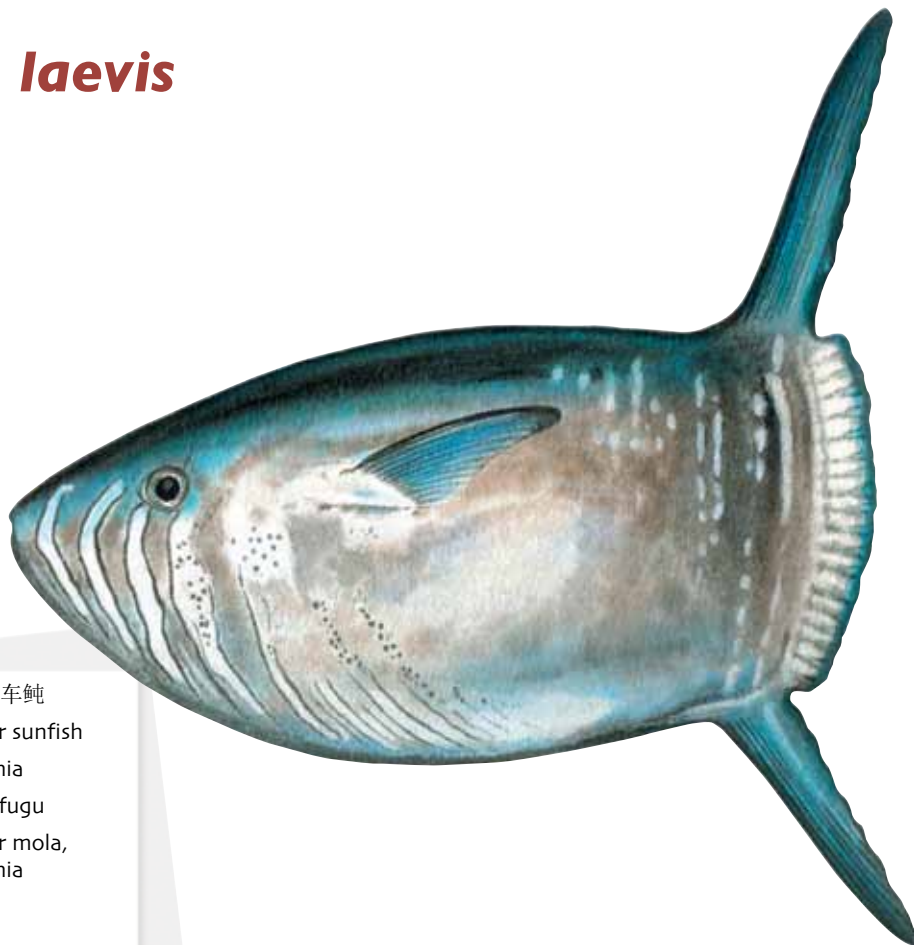


腹鳍长
Long pelvic fin

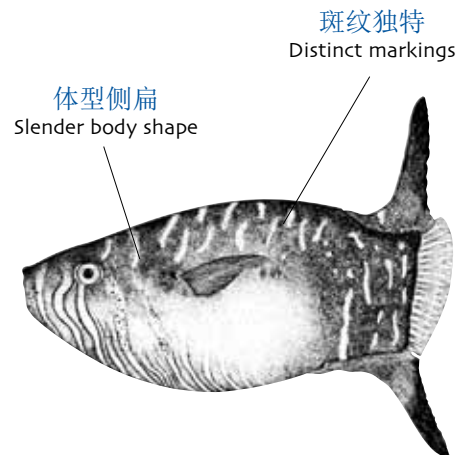
- Chinese: 月鱼
- English: Opah, Moonfish
- French: Opah, Lampris
- Japanese: Akamanbo, Mandai
- Hawaiian: Opah, Moonfish, Manendai
- Local:

Ranzania laevis

RZV



- Chinese: 长体翻车鲀
- English: Slender sunfish
- French: Ranzania
- Japanese: Kusabifugu
- Hawaiian: Slender mola, Ranzania
- Local:



体型侧扁
Slender body shape

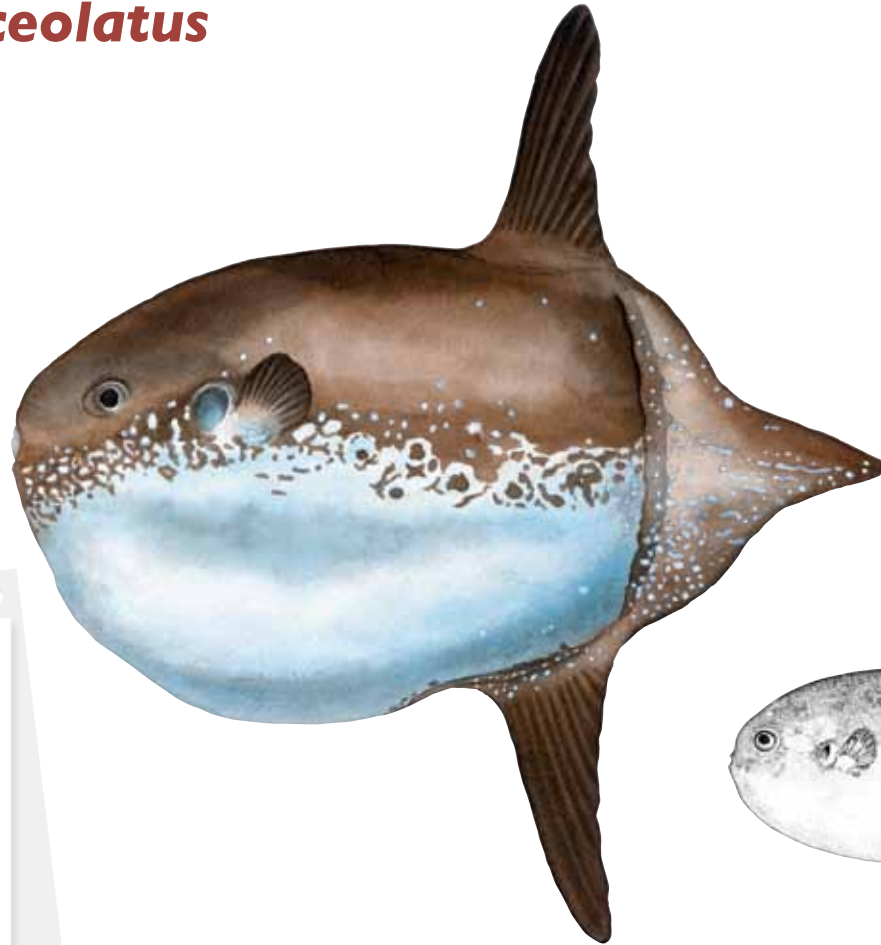
斑纹独特
Distinct markings

无突出的“尾巴”
No protruding “tail”

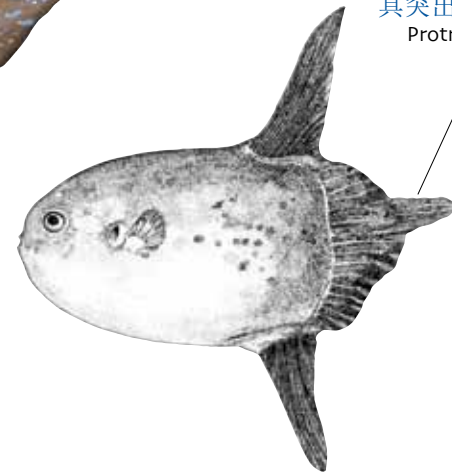
最大体长: 80厘米
Maximum length: 80 cm

Masturus lanceolatus

MRW



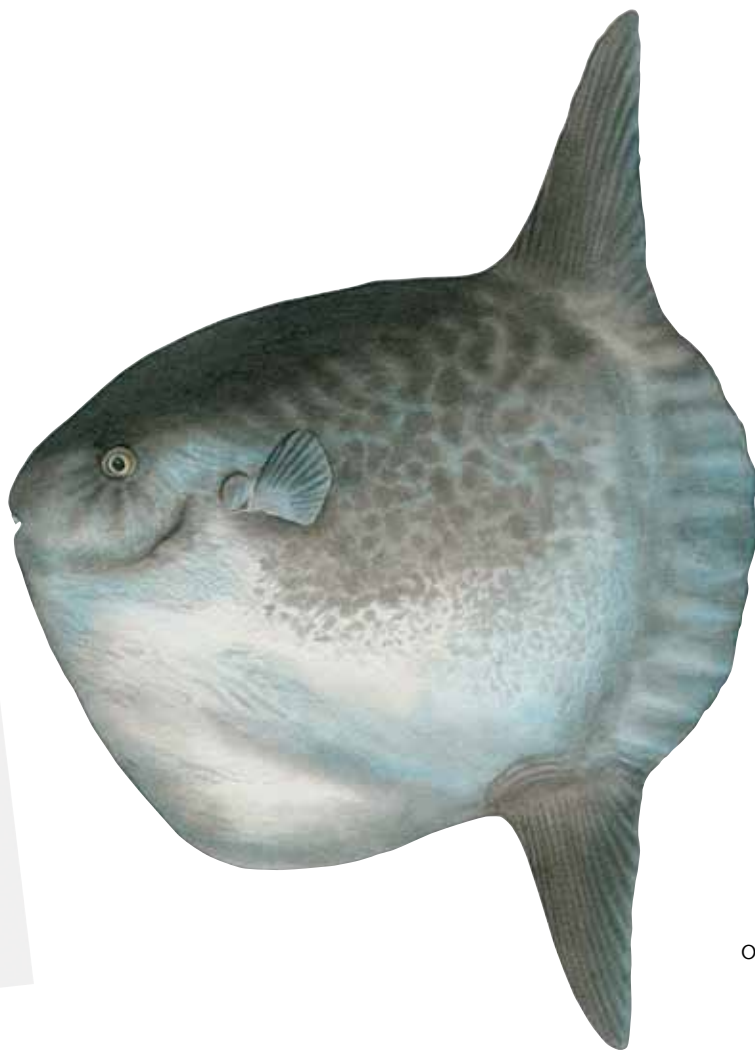
Chinese: 矛尾翻车鲀
English: Sharptail mola,
Sharptail sunfish
French: Poisson-lune à
queue pointue
Japanese: Yarimanbo
Hawaiian: Mola, Sunfish
Local:



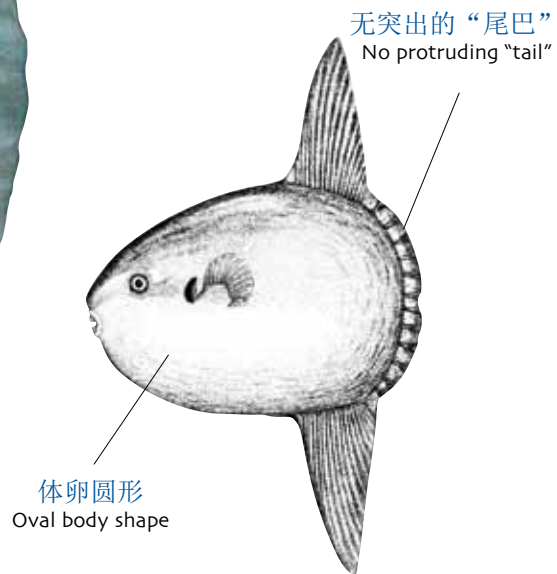
具突出的“尾巴”
Protruding “tail”

Mola mola

MOX

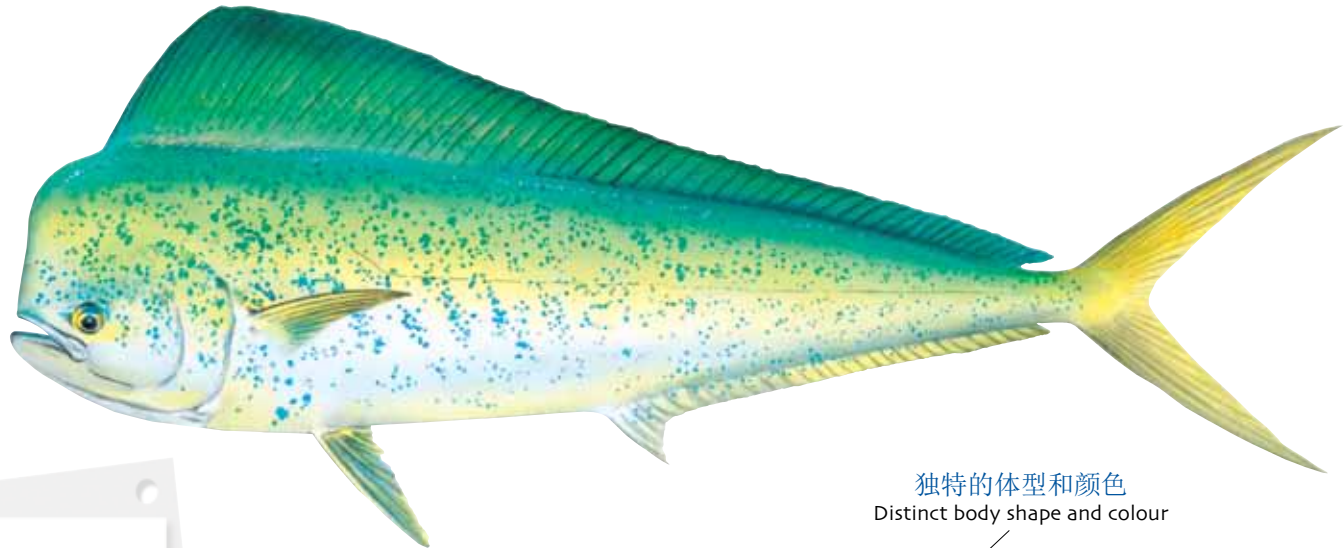


Chinese: 翻车鲀
English: Ocean sunfish
French: Poisson-lune
Japanese: Manbo
Hawaiian: Mola mola,
Makua, Sunfish
Local:

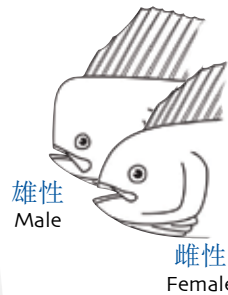
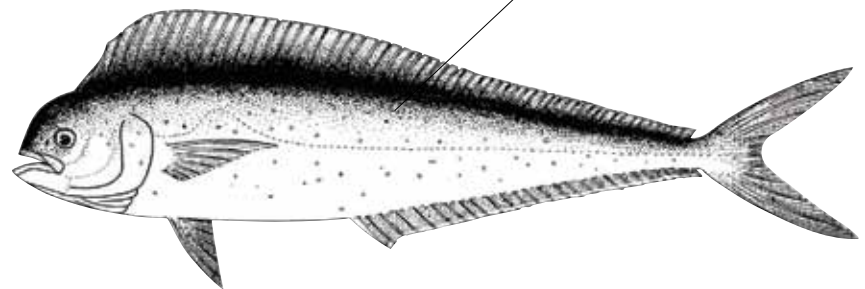


Coryphaena hippurus

DOL



独特的体型和颜色
Distinct body shape and colour



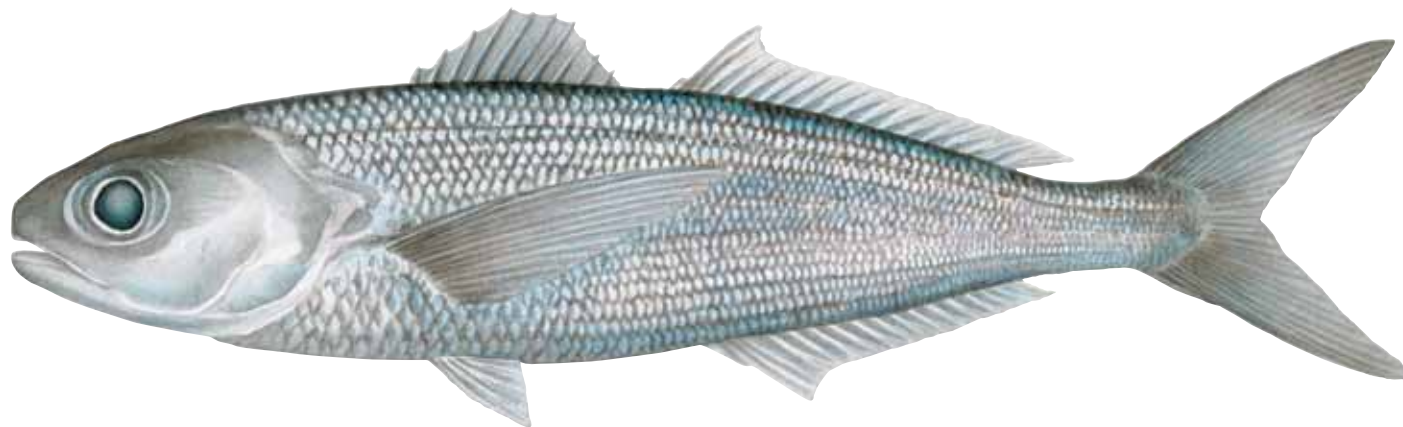
雄性
Male

雌性
Female

- Chinese: 鲹鱼
- English: Common dolphinfish, Mahi mahi
- French: Coryphène commune, Mahi mahi
- Japanese: Shiira, Toohyaku
- Hawaiian: Mahimahi, Oma, Lapa
- Local:

Cubiceps gracilis

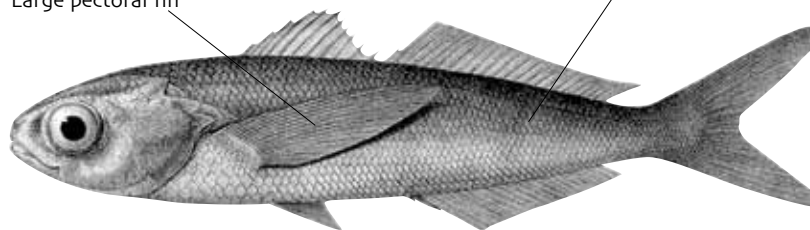
CBG



Chinese: 长鳍方头鲳
English: Driftfish
French: Dérivant
Japanese: Boozukonnyaku-zoku
Local:

胸鳍大
Large pectoral fin

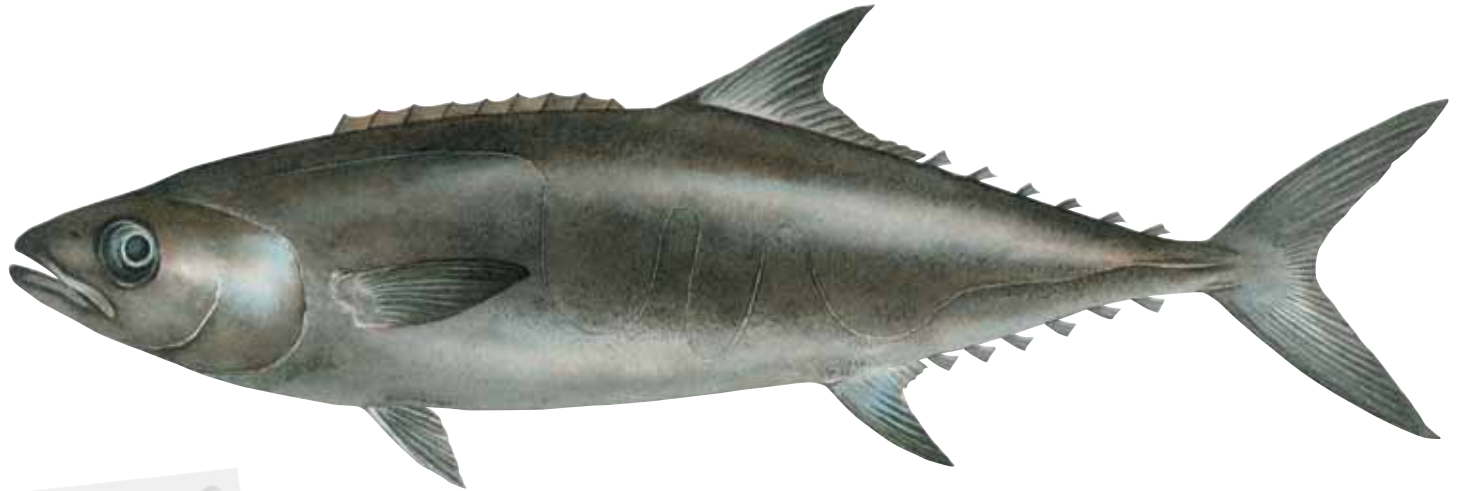
鳞片分明
Well defined scales



最大体长: 107厘米
Maximum length: 107 cm

Lepidocybium flavobrunneum

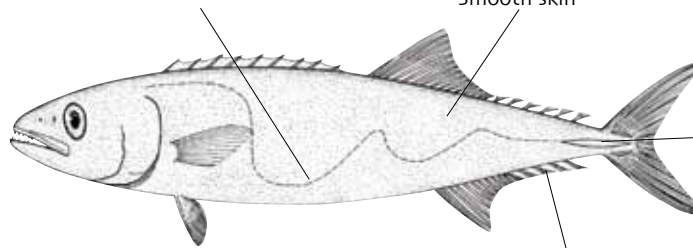
LEC



Chinese: 异鳞蛇鲭
English: Escolar
French: Escolier noir
Japanese: Aburasokomutsu
Hawaiian: Smooth-skin walu,
Hawaiian butterfish
Local:

波浪形侧线, 可能会消失
Wavy lateral line, may be faded

皮肤光滑
Smooth skin

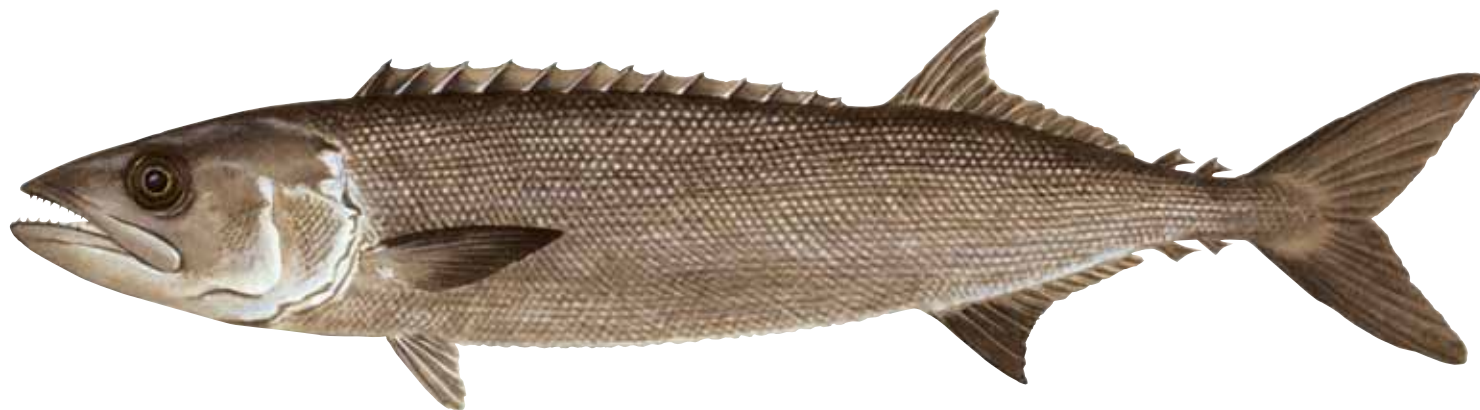


具尾柄隆起脊及两个侧隆起脊
Main caudal keel with two smaller
supplementary keels

四个或更多的小鳍
Four or more finlets

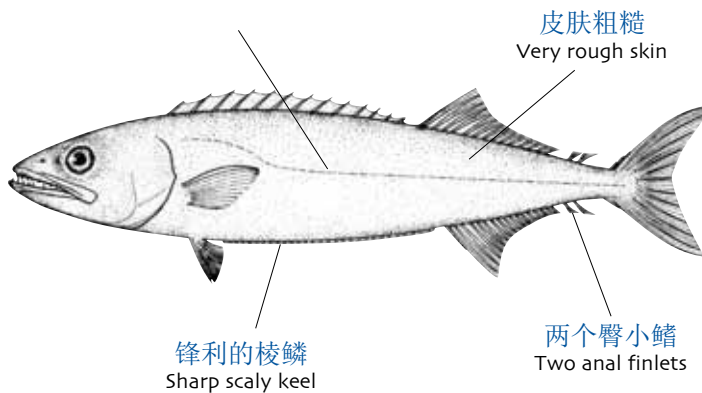
Ruvettus pretiosus

OIL



从尾鳍到胸鳍之间的侧线相对较直
Lateral line relatively straight from caudal fin to pectoral fin

Chinese: 棘鳞蛇鲭
English: Oilfish
French: Rouvet
Japanese: Baramutsu
Hawaiian: Walu,
Rough walu,
Hawaiian butterfish
Local:

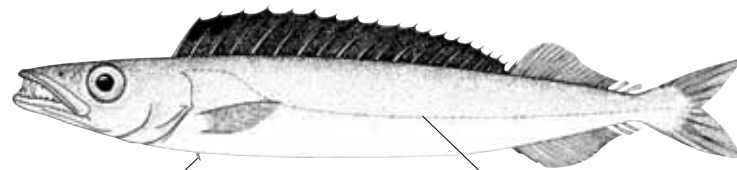


Promethichthys prometheus

PRP



Chinese: 纺锤蛇鲭
English: Roudi escolar,
Snake mackerel
French: Escolier clair
Japanese: Kuroshibikamasu
Hawaiian: Snake mackerel
Local:



腹鳍小，仅残留一小的鳍棘和软的骨针
Small pelvic fin, represented by a single very
small spine and soft ray

单一侧线
Single lateral line

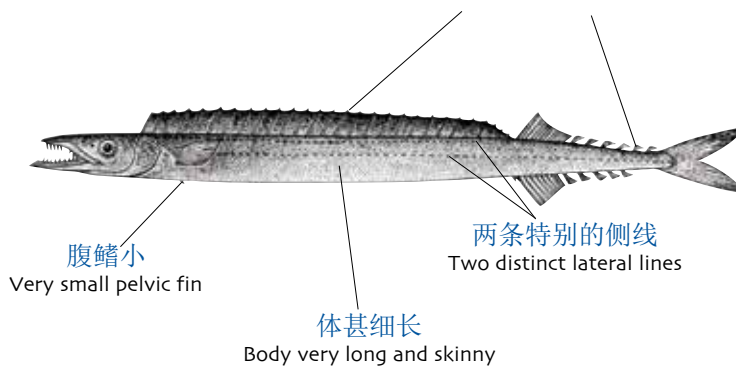
Gempylus serpens

GES



第一背鳍长，第二背鳍短，后有五或六个小鳍
First dorsal fin very long, second dorsal fin short and followed by five or six finlets

Chinese: 蛇鲭
English: Snake mackerel
French: Escolier serpent
Japanese: Kurotachikamasu
Hawaiian: Snake mackerel
Local:

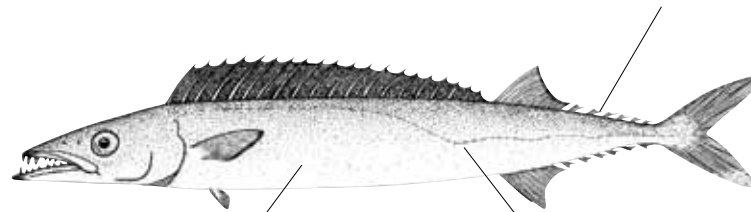


Thyrsites atun

SNK



第二背鳍和臀鳍后具六或七个小鳍
Second dorsal and anal fins followed by six or seven finlets



皮肤光滑
Smooth skin

一明显的弱波浪形侧线
Single obvious thin wavy lateral line

Chinese: 杖蛇鲭
English: Snoek,
Barracouta
French: Escolier
Japanese: Ooshihi-kamasu,
Barakuta
Local:

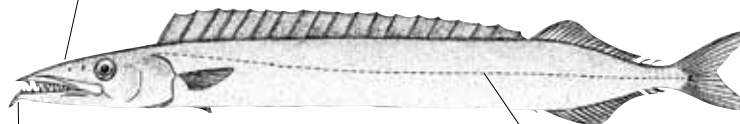
Nesiarchus nasutus

NEN



两颌前端具皮质突起

Skin tags protrude from tips of both jaws



下颌顶端指向下方

Tip of lower jaw pointing down

侧线一条，几乎直

Single lateral line, fairly straight

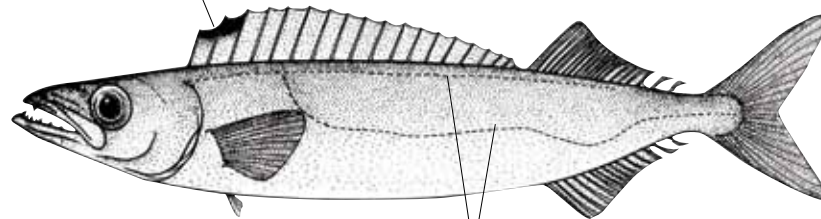
Chinese: 无耙蛇鲭
English: Black gemfish
French: Escolier long-nez
Japanese: Hashinagakurotachi
Local:

Rexea solandri

GEM



背鳍前端边缘具黑点
Black spot on top edge of dorsal fin

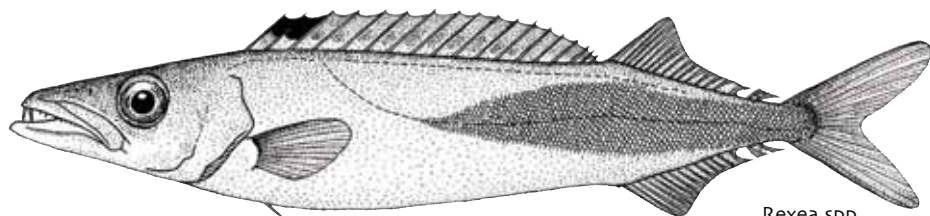


侧线二条
Double lateral line

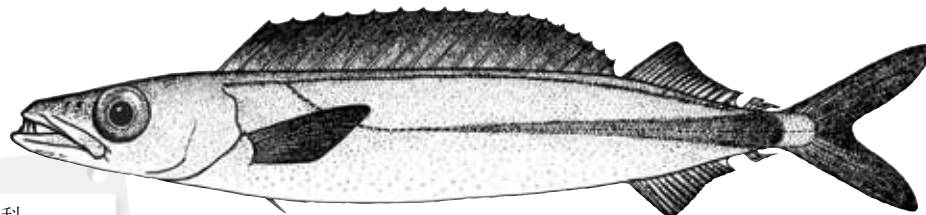
Chinese: 南短蛇鲭
English: Silver gemfish
French: Escolier tifiati
Japanese: Ookagokamasu
Local:

Gempylidae (other)

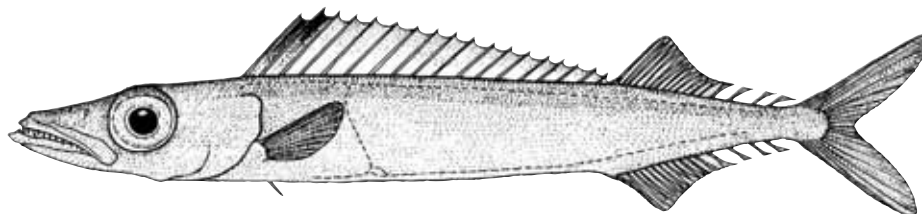
GEP



Rexea spp.



Rexea spp.



Rexichthys spp.

本科的物种:

- 嘴巴大, 牙齿硬
- 两个背鳍, 第二个短于第一个
- 腹鳍小, 通常仅一个鳍棘具少量或无鳍条

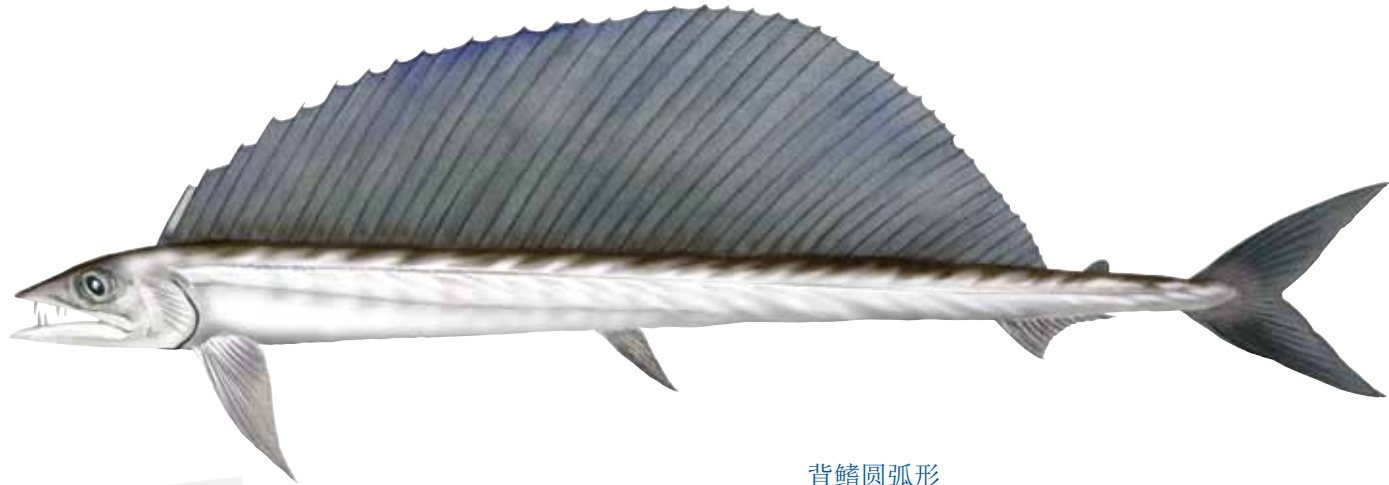
Species in this family have:

- Large mouth with strong teeth
- Two dorsal fins, second shorter than first
- Pelvic fin very small, often just a single spine with a few or no soft rays

Chinese: 其他蛇鲭科
English: Other gemfish and snake mackerels
French: Autres Gempylidae
Japanese: Kurotachikamasu
Local:

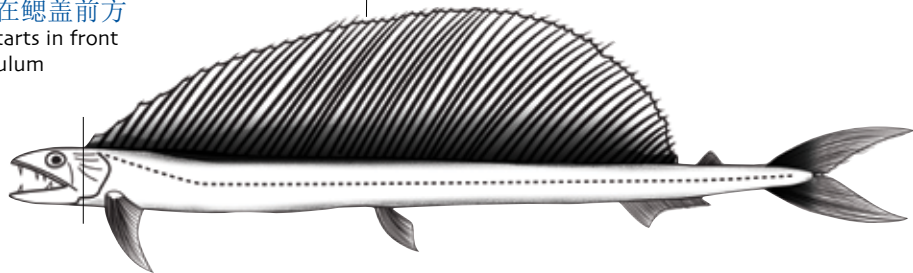
Alepisaurus brevirostris

ALO



背鳍圆弧形
Dorsal fin rounded

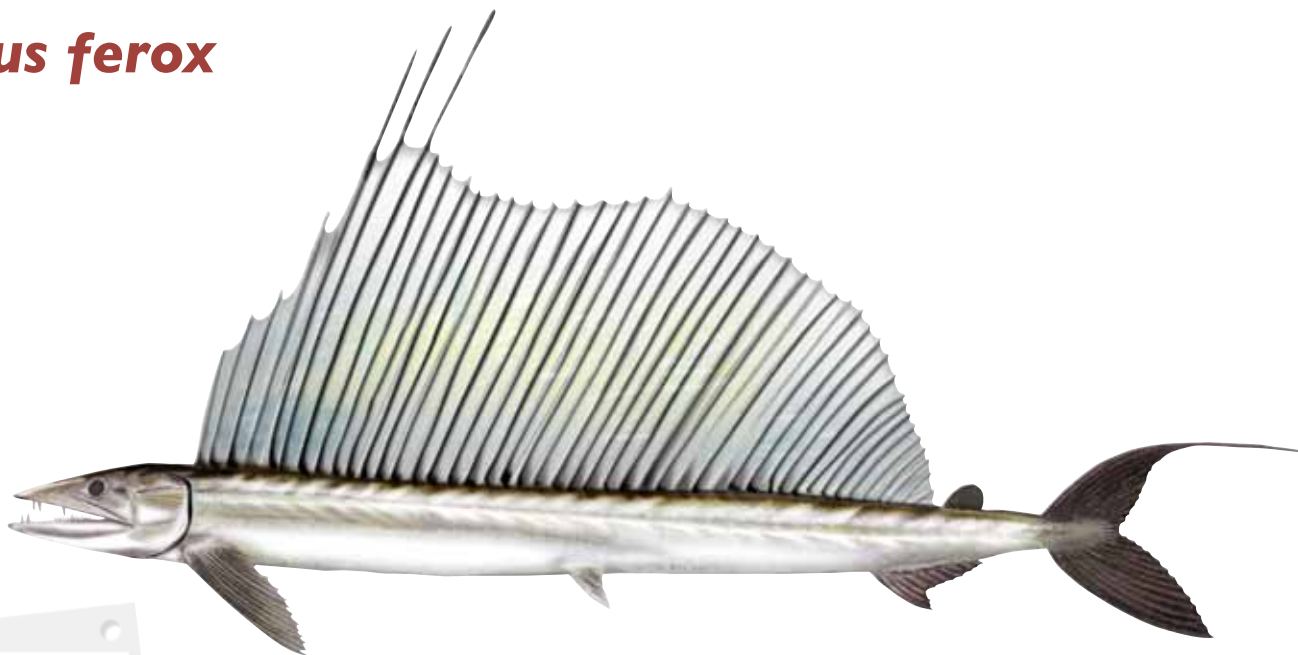
第一背鳍起点在鳃盖前方
First dorsal fin starts in front
of operculum



Chinese: 短吻帆蜥鱼
English: Short snouted
(shortnose)
lancetfish
French: Lancier à nez court
Japanese: Tsumarimizuuo
Hawaiian: Alepisaurus
Local:

Alepisaurus ferox

ALX

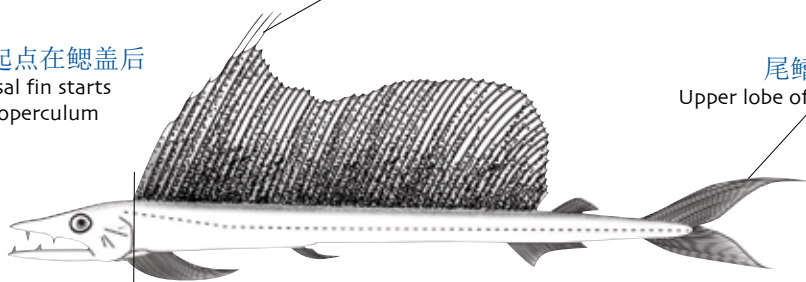


Chinese: 帆蜥鱼
English: Long snouted (longnose) lancetfish
French: Lancier long-nez
Japanese: Mizu-uo, Yoro
Hawaiian: Alepisaurus
Local:

通常具鳍条并从第一背鳍突出
Usually several dorsal rays protruding from first dorsal fin

第一背鳍起点在鳃盖后
First dorsal fin starts behind operculum

尾鳍上叶延长
Upper lobe of caudal fin elongated



Omosudis lowei

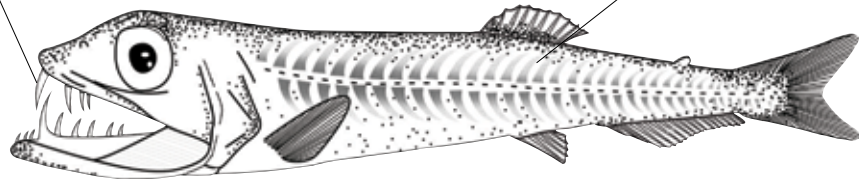
OMW



Chinese: 锤颌鱼
English: Omosudid,
Hammerjaw
French: Omosudide
Japanese: Kiba-hadaka
Local:

非常强大的尖齿
Very large strong pointed teeth

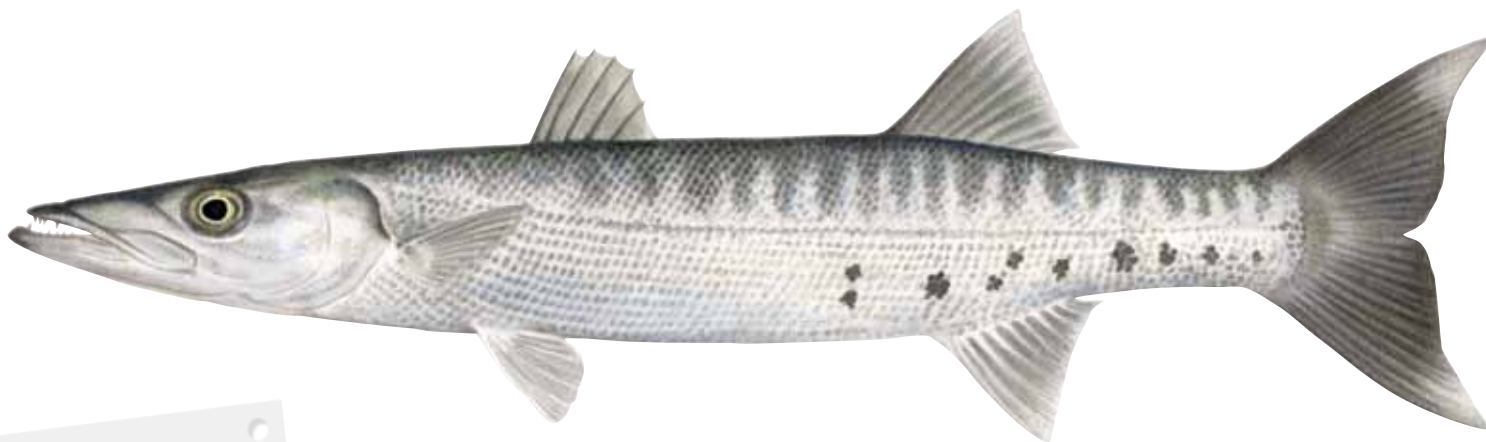
身光滑，无鳞片
Body smooth, without scales



最大体长：30厘米
Maximum length: 30 cm

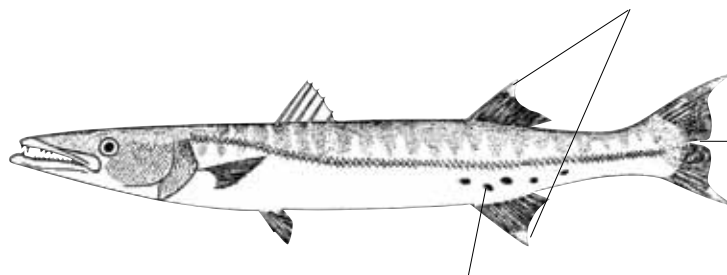
Sphyraena barracuda

GBA



尾鳍、第二背鳍和臀鳍黑白尖
Caudal, second dorsal and anal fins dark with white tips

Chinese: 大鲷
English: Great barracuda
French: Barracuda
Japanese: Oni-kamasu
Hawaiian: Kaku,
Barracuda
Local:

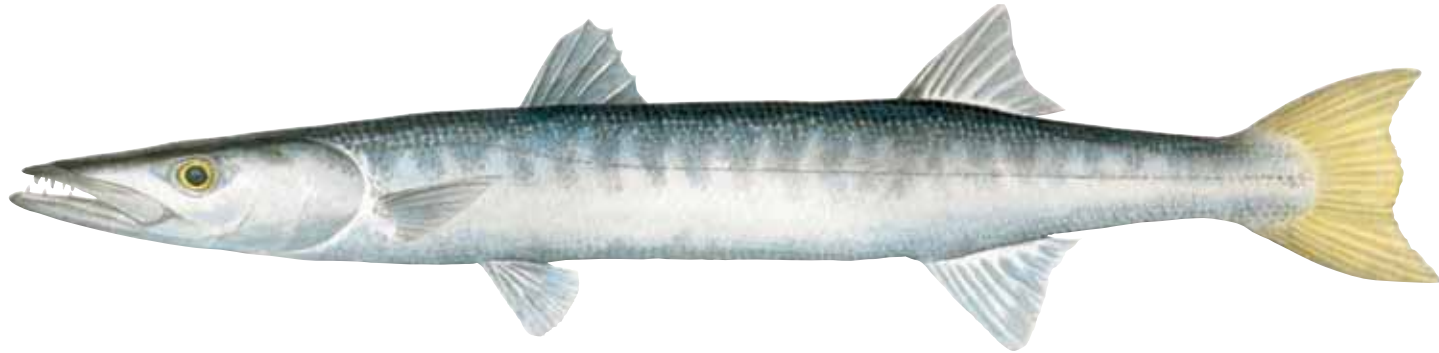


独特的尾鳍
Distinctive shaped caudal fin

黑色的斑点(通常)
Black spots (normally)

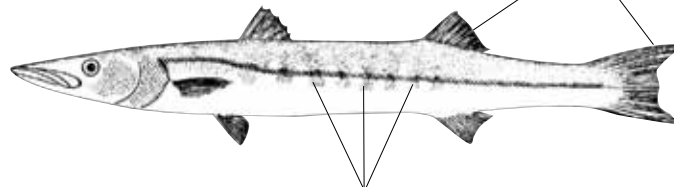
Sphyraena jello

BAC



Chinese: 斑条鲟
English: Pickhandle barracuda
French: Bécune jello
Japanese: O-kamasu
Local:

第二背鳍和尾鳍淡黄色
Second dorsal and caudal fins yellowish



横带微弱、间隔不均匀、略超过侧线
Bars are faint, unevenly spaced and go to just below lateral line

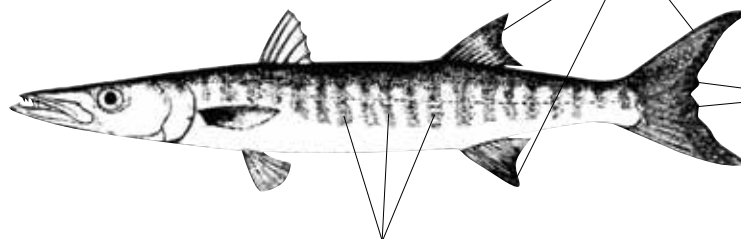
Sphyraena qenie

BAB



Chinese: 类鲈
English: Blackfin barracuda
French: Barracuda à queue noire
Japanese: Burakkufinbarakuda
Local:

第二背鳍、肛门和尾鳍黑色
Second dorsal, anal and caudal fins black

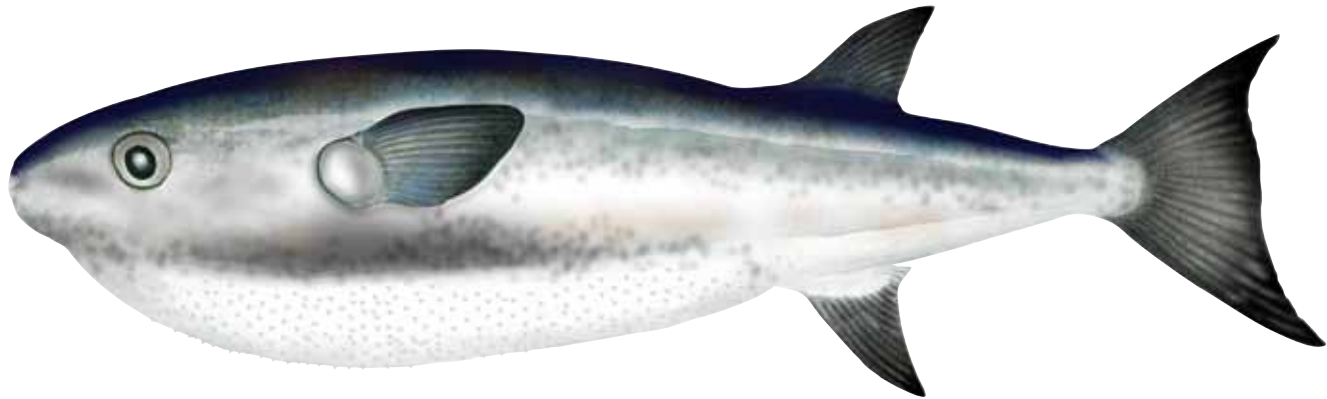


尾鳍中央具两个小突起
Two small knobs at centre of caudal fin

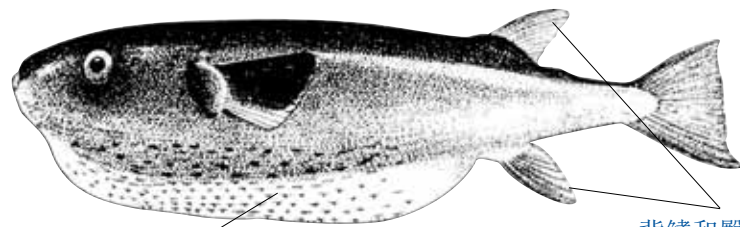
横带延伸至侧线下方
Bars go well below lateral line

Lagocephalus lagocephalus

LGH



Chinese: 兔头鲈
English: Rabbit puffer,
Oceanic puffer
French: Compère lièvre
Japanese: Kumasakafugu
Hawaiian: Pelagic puffer
Local:



腹部皮肤粗糙
Rough skin on belly

背鳍和臀鳍各一个，几同形
Single dorsal and anal fin, roughly in line
with each other

最大体长：65厘米
Maximum length: 65 cm

Grammistes sexlineatus

GSE



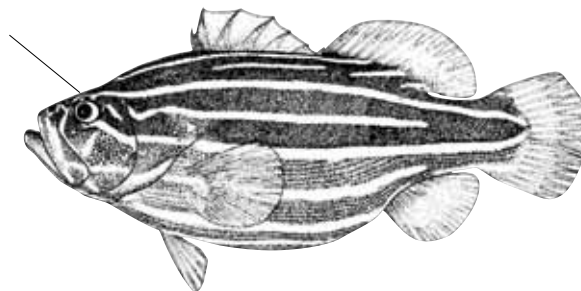
成鱼
Adult



幼鱼(12厘米以下)
Juvenile (to 12 cm)

Chinese: 六线黑鲈
English: Goldenstriped soapfish, Sixline soapfish
French: Savon rayé d'or
Japanese: Nunosarashi
Local:

成鱼的眼部上方具小凹槽
Adult has slight recess above eye



最大体长: 35厘米
Maximum length: 35 cm

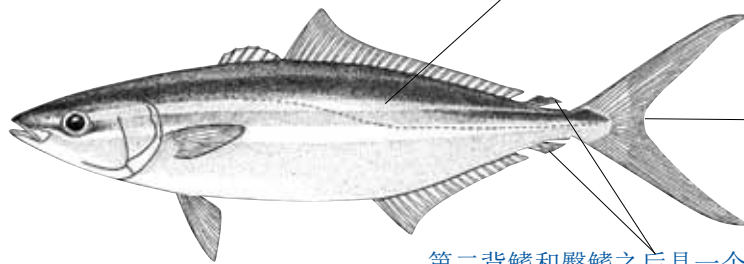
其他鱼类
Other fish species

Elagatis bipinnulata

RRU



体侧具蓝色和黄色条纹
Blue and yellow stripes on side



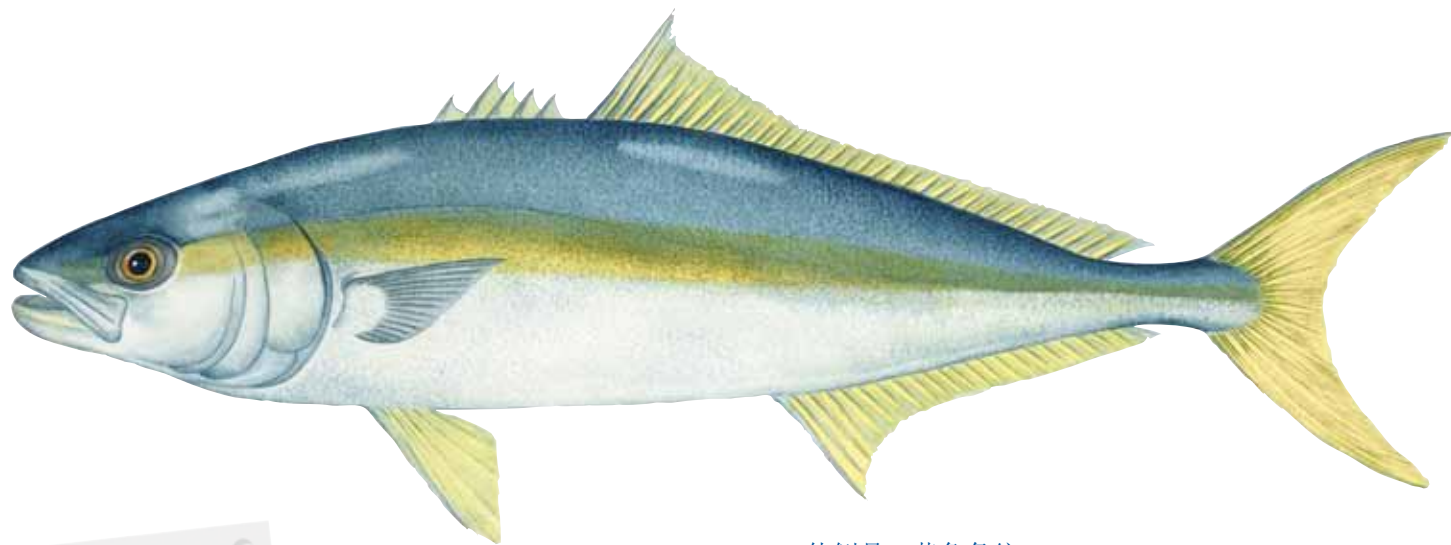
尾鳍黑色、分叉深
Caudal fin dark in colour
and deeply forked

第二背鳍和臀鳍之后具一个二条鳍条的小鳍
Two-rayed finlet behind second dorsal and anal fins

Chinese: 纺锤鲷
English: Rainbow runner
French: Comète saumon
Japanese: Tsumuburi,
Okiburi
Hawaiian: Kamanu,
Hawaiian salmon
Local:

Seriola lalandi

YTC



Chinese: 黄尾鲷
English: Yellowtail amberjack
French: Sériole chincharde
Japanese: Hiramasa
Local:

体侧具一黄色条纹
Single yellow stripe on side

无小鳍
No finlets

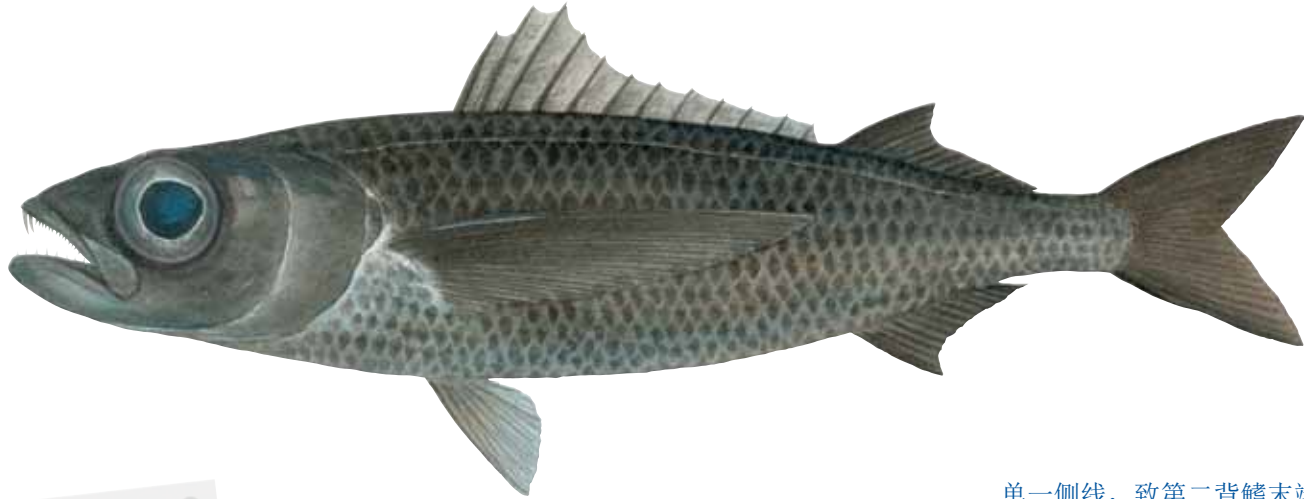
胸鳍短于腹鳍

Pectoral fin shorter than pelvic fin

第二背鳍、臀鳍和尾鳍黄色
Second dorsal, anal and caudal fins yellow

Scombrolabrax heterolepis

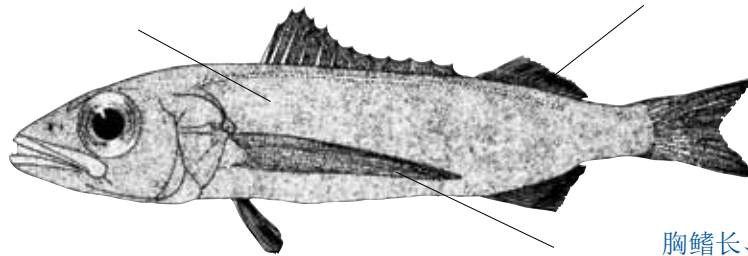
SXH



Chinese: 鲭鲈
English: Longfin escolar,
Black mackerel
French: Escolier aile longue
Japanese: Mukashikurotachi
Local:

鳞片易脱落，留下光滑的皮肤
Scales are easily shed, leaving smoothish skin

单一侧线，致第二背鳍末端
Single lateral line that finishes at end
of second dorsal fin



最大体长：30厘米
Maximum length: 30 cm

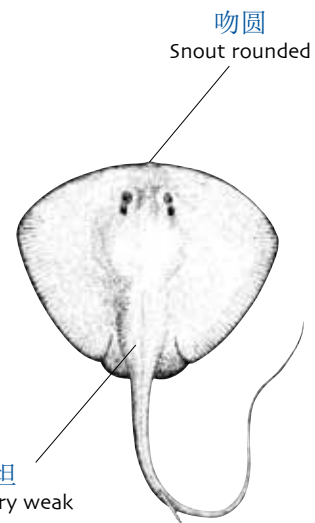
胸鳍长、几近肛门
Long pectoral fin reaching almost to anus

Dasyatis violacea

PLS



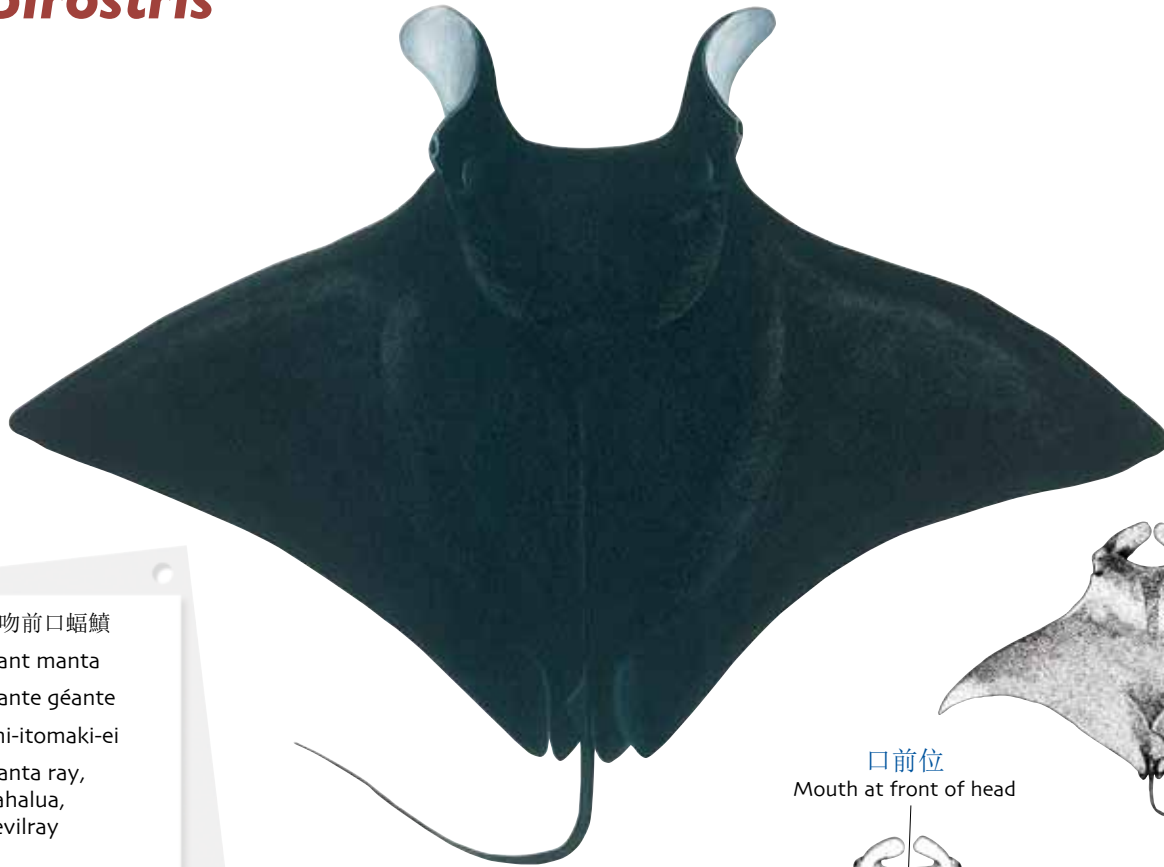
Chinese: 紫魟
English: Pelagic stingray
French: Pastenague violette
Japanese: Karasu-ei
Hawaiian: Pelagic stingray
Local:



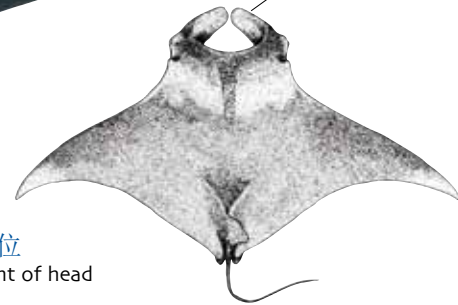
背脊平坦
Dorsal ridge very weak

Manta birostris

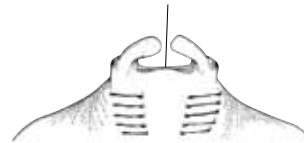
RMB



头鳍长
Long head fins



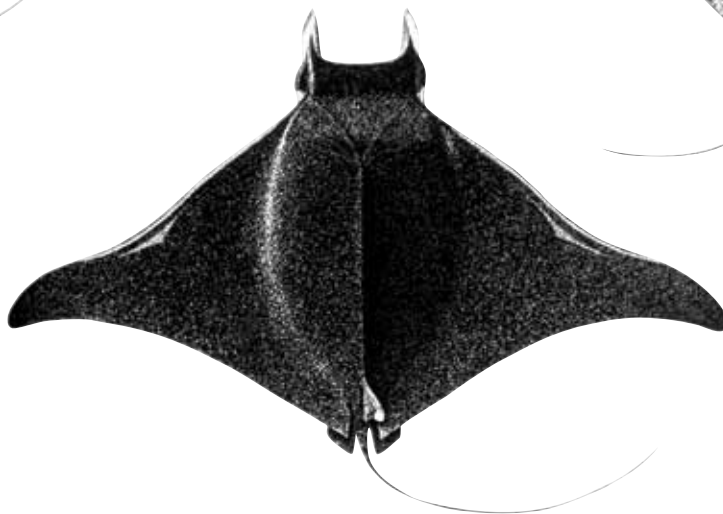
口前位
Mouth at front of head



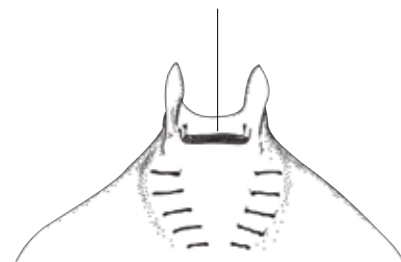
Chinese: 双吻前口蝠鱚
English: Giant manta
French: Mante géante
Japanese: Oni-itomaki-ei
Hawaiian: Manta ray,
Hahalua,
Devilray
Local:

Mobula spp.

RMV



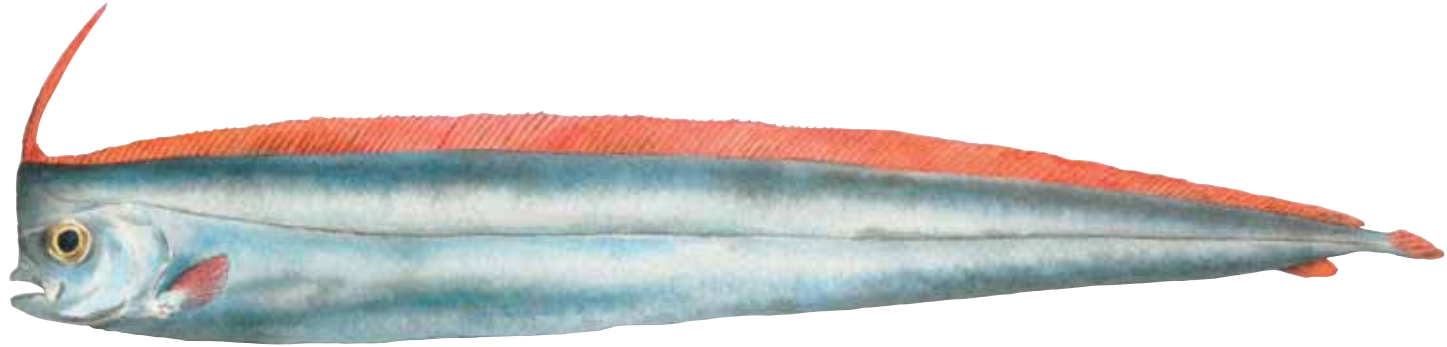
口下位
Mouth underneath head



Chinese: 蝠鱝属
English: Devil rays
French: Diables de mer
Japanese: Ei
Local:

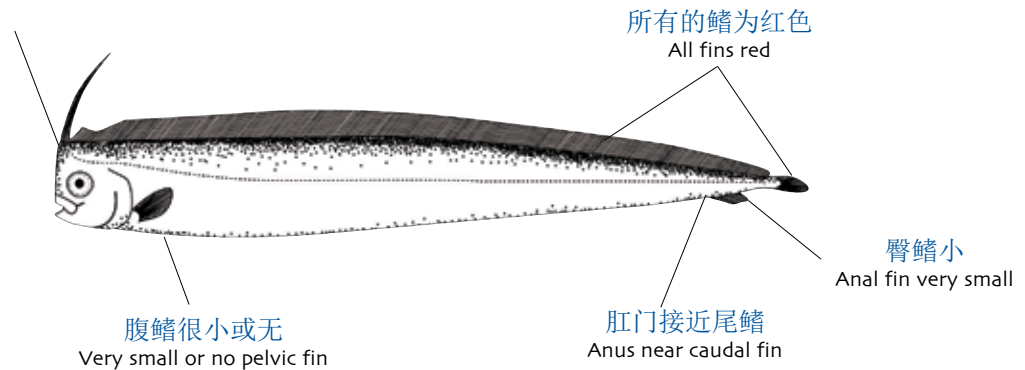
Lophotus capellei

LOP



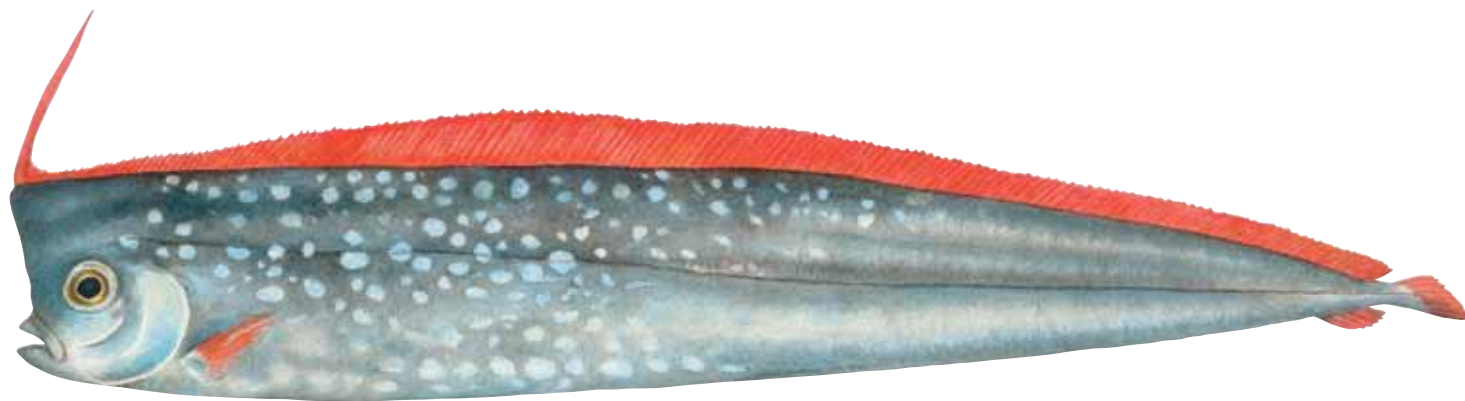
成鱼头冠明显、向前突出
Obvious crest that is more forward pointing in adults

Chinese: 凹鳍冠带鱼
English: Unicornfish
French: Lophote chevelu
Japanese: Akanamada
Local:



Lophotus lacepede

LLL



Chinese: 拉氏冠带鱼
English: Crested oarfish, Crestfish
French: Lophote à crête
Japanese: Akanamada-zoku
Hawaiian: Crestfish
Local:

成鱼头冠明显、向前突出
Obvious crest that is more forward pointing in adults

明显的白色斑点
Obvious white spots

所有的鳍为红色
All fins red

腹鳍很小或无
Very small or no pelvic pin

肛门接近尾鳍
Anus near caudal fin

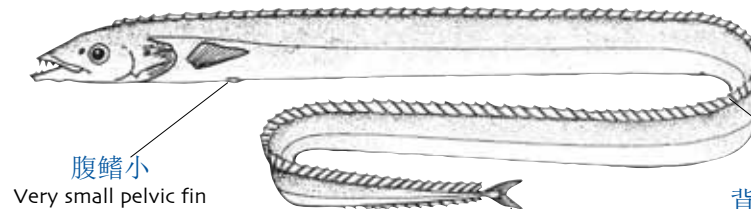
臀鳍小
Anus fin very small

Assurger anzac

ASZ



Chinese: 长剃刀带鱼
English: Razorback scabbardfish
French: Poisson sabre rasoir
Japanese: Nagayumetachi-modoki
Local:



腹鳍小
Very small pelvic fin

尾鳍小、叉形
Small forked caudal fin

背鳍一个、无缺刻、达整个体长
Single dorsal fin without notch,
running full length of body

Trichiuridae (other)

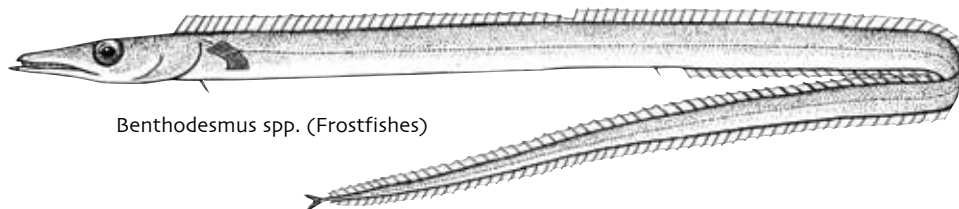
CUT

本科的物种:

- 强大的尖牙
- 无红色的鳍
- 体形细长

Species in this family have:

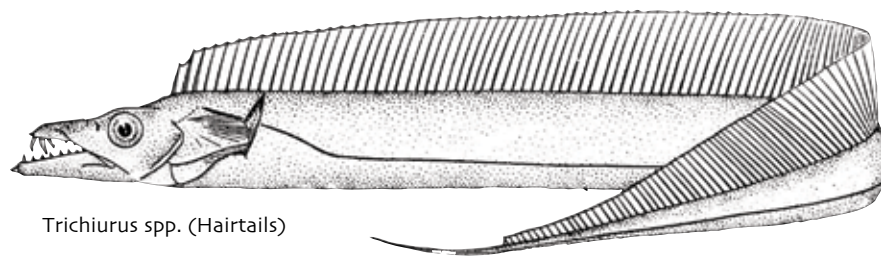
- Strong fang-like teeth
- No red fins
- Body shape long and thin



Benthodesmus spp. (Frostfishes)



Aphanopus spp. (Scabbardfishes)



Trichiurus spp. (Hairtails)

Chinese: 其他深海带鱼、
叉尾带鱼、带鱼
English: Other
Frostfishes,
Scabbardfishes,
Hairtails
French: Autres poissons
sabres
Japanese: Tachiuo,
Oshiroitachi
Local:

Trachipteridae

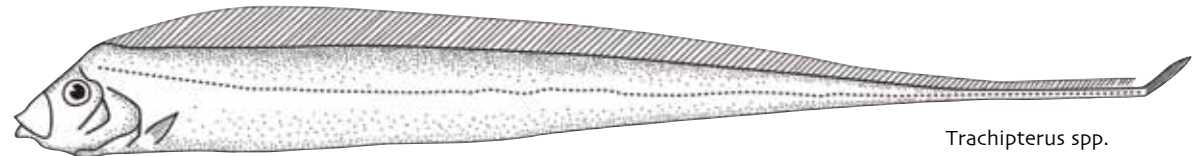
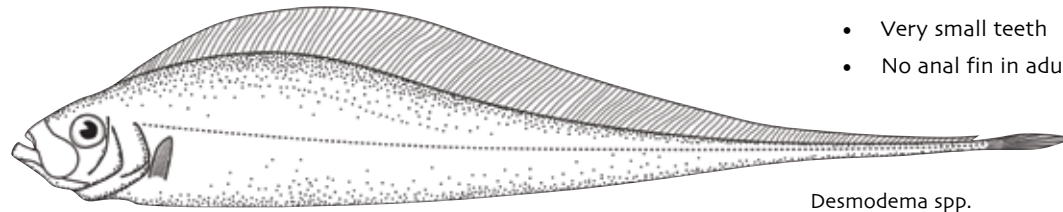
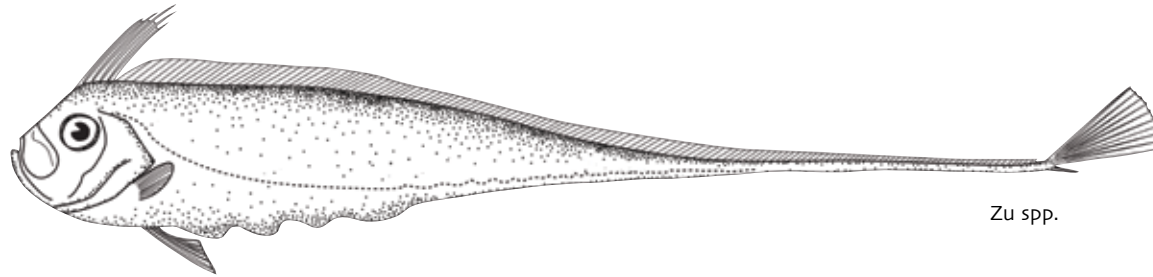
TRX

本科的物种:

- 背鳍红色
- 肛门在身体中部附近
- 齿小
- 成鱼无臀鳍

Species in this family have:

- Red dorsal fin
- Anus near middle of body
- Very small teeth
- No anal fin in adults



Chinese: 粗鳍鱼科
English: Ribbonfish,
Dealfish
French: Poissons-rubans
Japanese: Tachiuo,
Furisodeuo
Local:

Regalecidae

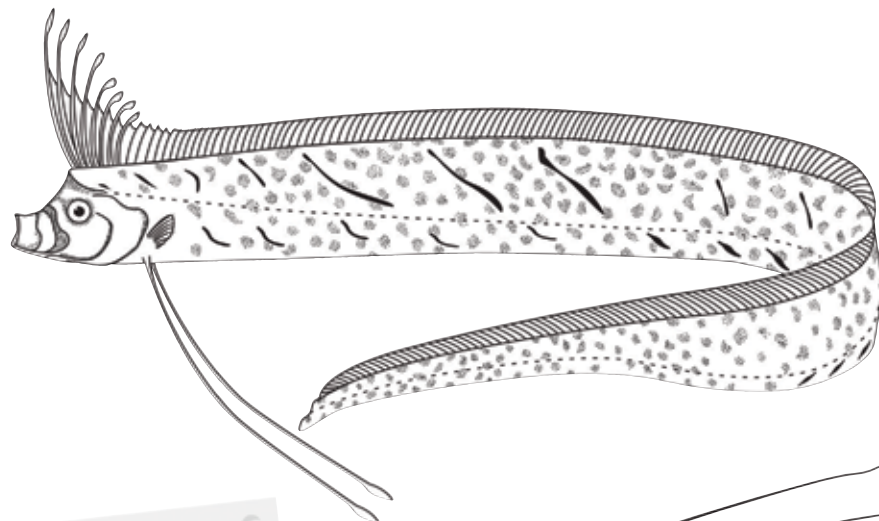
RRG

本科的物种:

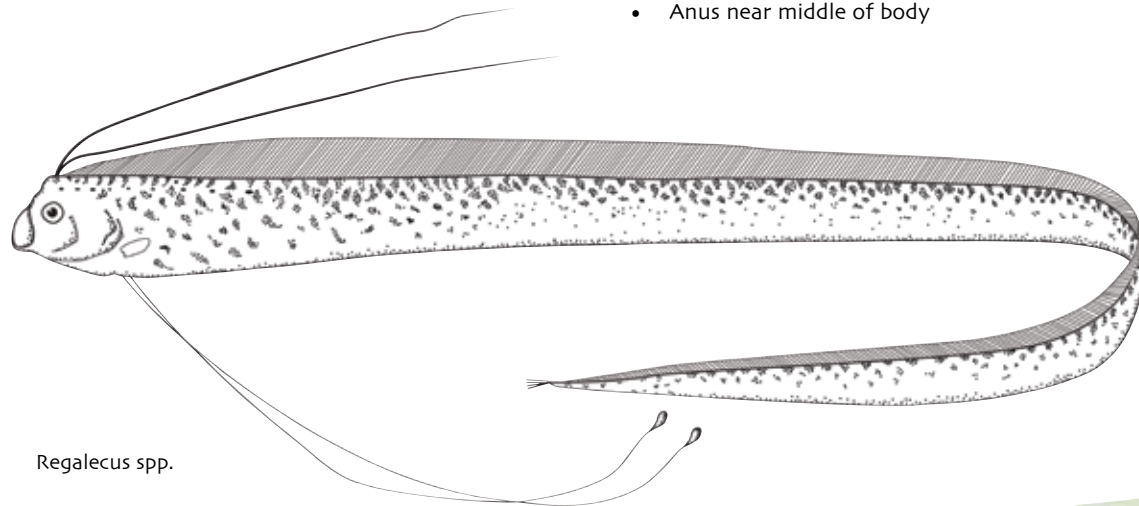
- 齿甚小
- 背鳍和腹鳍红色
- 成鱼腹鳍延长
- 无臀鳍
- 肛门在身体中部附近

Species in this family have:

- Extremely small teeth
- Red dorsal and pelvic fins
- Pelvic fins very long in adults
- No anal fin
- Anus near middle of body



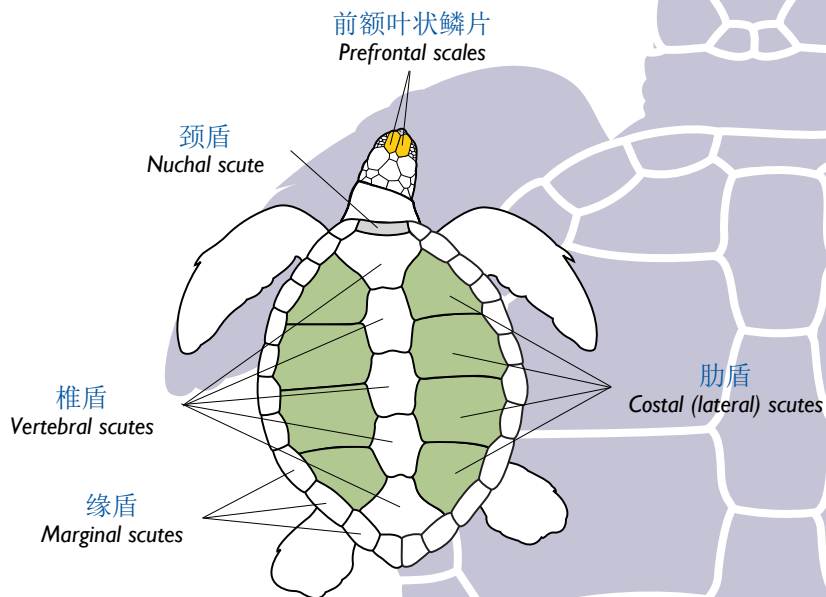
Chinese: 皇带鱼科
English: Oarfish
French: Régalecs
Japanese: Ryuguno-tsukai
Local:



Regalecus spp.

海龟

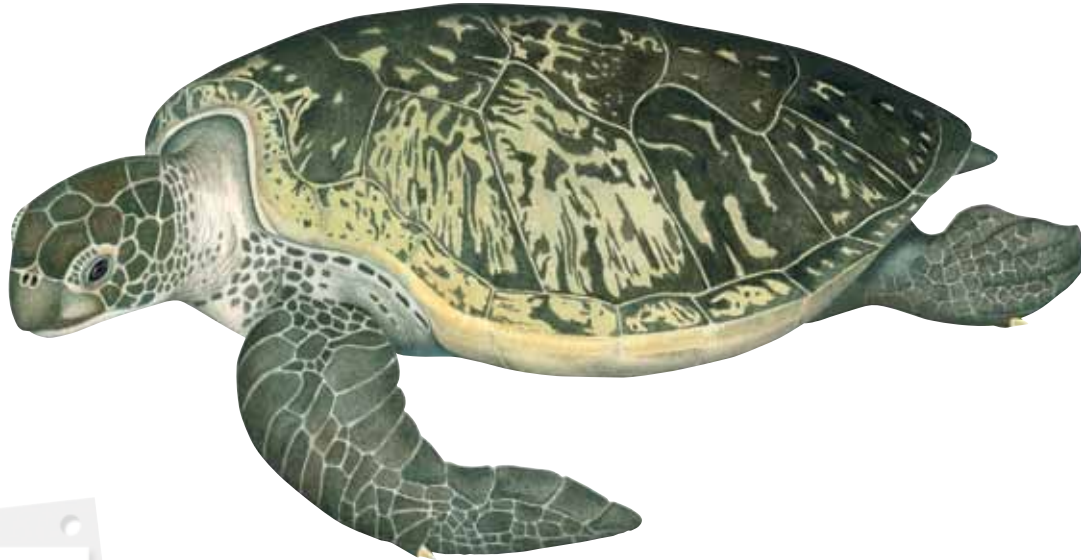
Sea turtles



Scientific	Chinese	English	FAO code	Page
<i>Caretta caretta</i>	赤蠵龟	Loggerhead turtle	TTL	103
<i>Chelonia mydas</i>	绿海龟	Green turtle	TUG	98
<i>Dermochelys coriacea</i>	棱皮龟	Leatherback turtle	DKK	102
<i>Eretmochelys imbricata</i>	玳瑁	Hawksbill turtle	TTH	101
<i>Lepidochelys olivacea</i>	太平洋丽龟	Olive ridley turtle	LKV	99
<i>Natator depressus</i>	平背龟	Flatback turtle	FBT	100

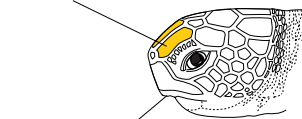
Chelonia mydas

TUG

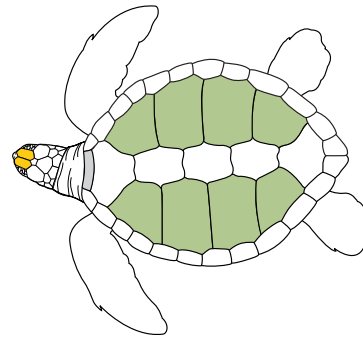


Chinese: 绿海龟
English: Green turtle
French: Tortue verte
Japanese: Ao-umigame
Hawaiian: Honu
Local:

前额叶状鳞片一对
One pair of prefrontal scales



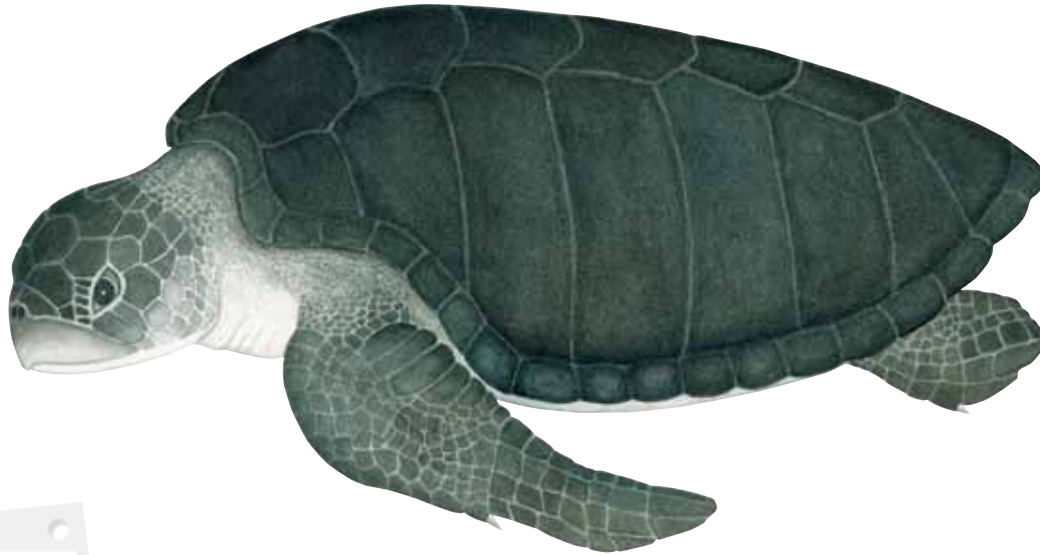
嘴部具齿
Toothed beak



四对肋盾；第一对肋盾与颈盾分离
Four pairs of costal scutes; the first pair is not in contact with the nuchal scute

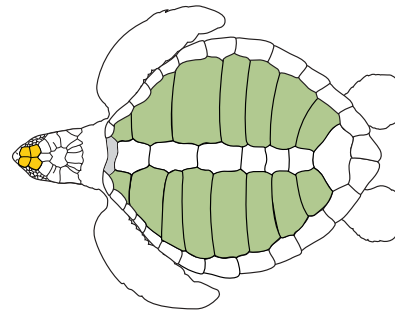
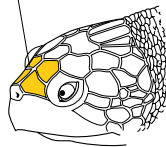
Lepidochelys olivacea

LKV



Chinese: 太平洋丽龟
English: Olive ridley turtle
French: Tortue olivâtre
Japanese: Hime-umigame
Local:

前额叶状鳞片两对
Two pairs of prefrontal scales



五到九对肋盾 (两侧数量不一定相同); 第一对肋盾与颈盾相接
Five to nine pairs of costal scutes (not necessarily the same number on either side); the first pair is in contact with the nuchal scute.

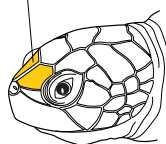
Natator depressus

FBT



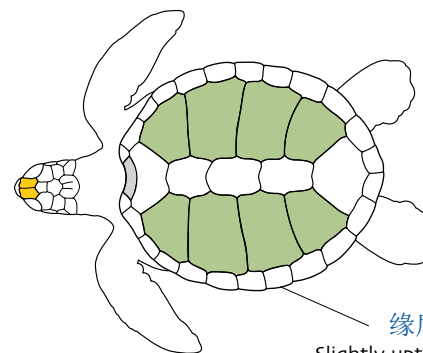
Chinese: 平背龟
English: Flatback turtle
French: Tortue à dos plat
Japanese: Hirataumigame
Local:

前额叶状鳞片一对
One pair of prefrontal scales



四对肋盾；第一对肋盾与颈盾分离

Four pairs of costal scutes; the first pair is not in contact with the nuchal scute



缘盾略向上翘
Slightly upturned lateral margins

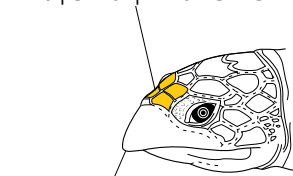
Eretmochelys imbricata

TTH



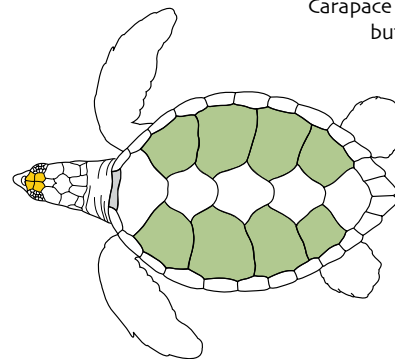
Chinese: 玳瑁
English: Hawksbill turtle
French: Tortue imbriquée
Japanese: Taimai
Hawaiian: Ea, Honu'ea
Local:

前额叶状鳞片二对
Two pairs of prefrontal scales



嘴尖钩形
Pointed hooked beak

甲盾重叠，但随年龄而略有退化
Carapace scutes are generally overlapping
but this trait fades with age.

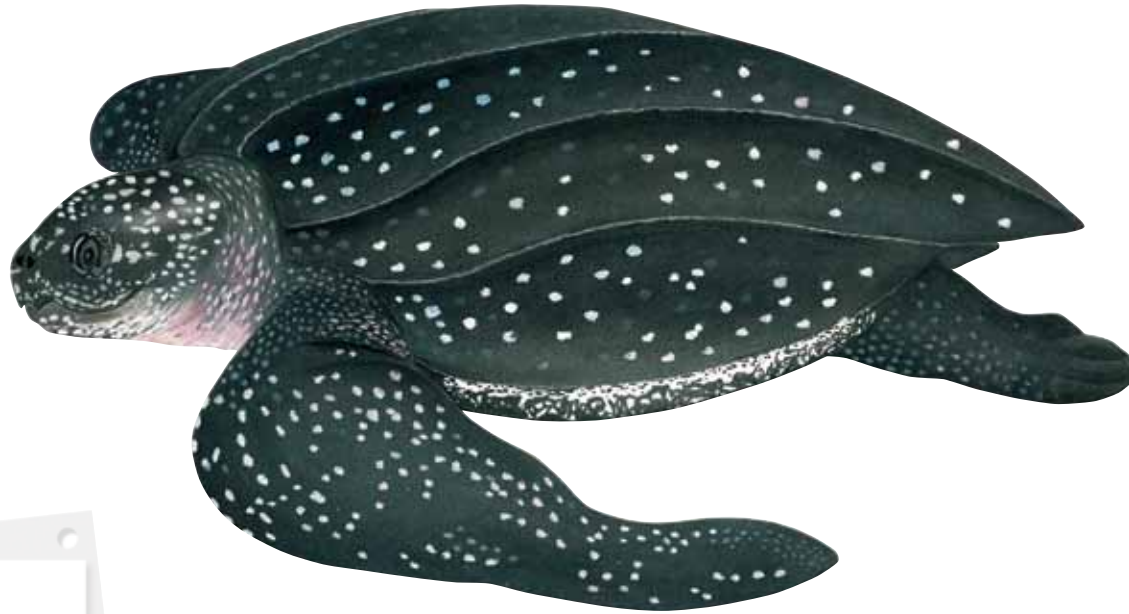


四对肋盾：第一对肋盾与颈盾分离

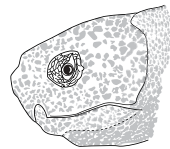
Four pairs of costal scutes; the first pair is not in contact with the nuchal scute

Dermochelys coriacea

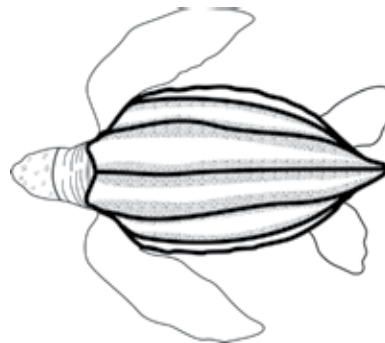
DKK



Chinese: 棱皮龟
English: Leatherback turtle
French: Tortue luth
Japanese: Osa-game
Local:



头部无鳞片
No scales on head



背部(伪背甲): 无鳞片(仅被革质皮肤), 具七条纵棱

Back (pseudocarapace):
no scales (simply covered by a kind
of leather) and divided by seven
longitudinal ridges.

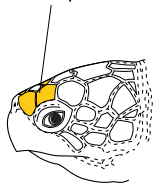
Caretta caretta

TTL

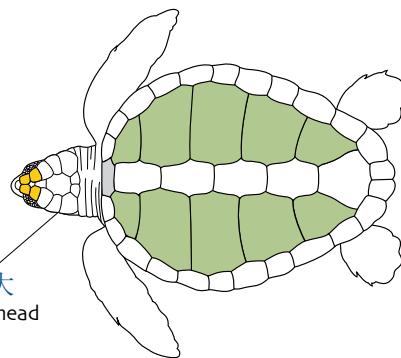


Chinese: 赤蠵龟
English: Loggerhead turtle
French: Tortue caouanne
Japanese: Aka-umigame
Local:

前额叶状鳞片两对
Two pairs of prefrontal scales



头大
Large head

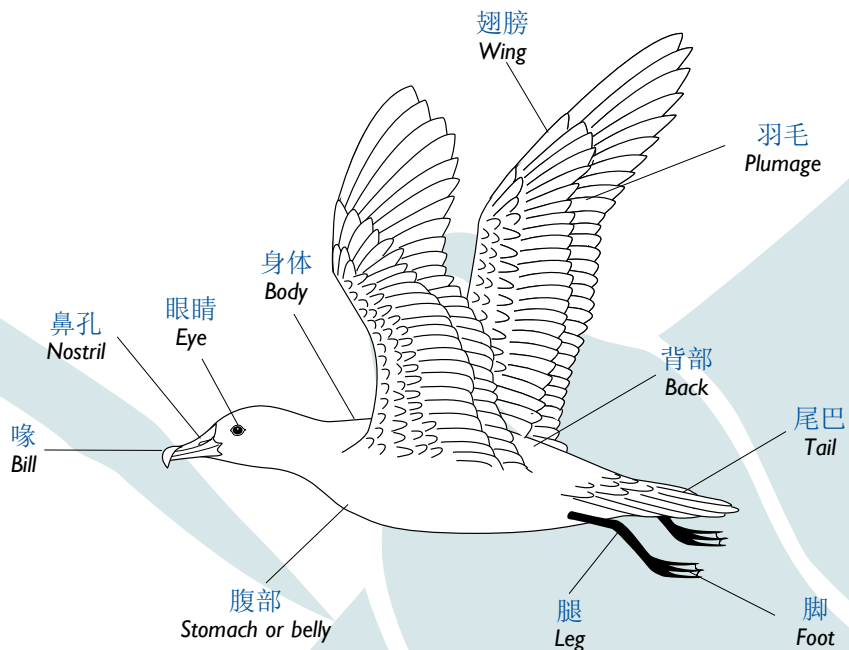


肋盾五对；第一对与颈盾
相连接

Five pairs of costal scutes;
the first pair is in contact
with the nuchal scute.

海鸟

Seabirds



Scientific	Chinese	English	FAO code	Page
Diomedeidae	信天翁科	Albatrosses	ALZ	108
<i>Diomedea immutabilis</i>	黑背信天翁	Laysan albatross	DIZ	107
<i>Diomedea nigripes</i>	黑脚信天翁	Black-footed albatross	DKN	106
Laridae	鸥科	Gulls, Terns and Skuas	LRD	111
Procellariidae	鹱科	Petrels and Shearwaters	PRX	110
Sulidae	鲣鸟科	Boobies and Gannets	SZV	109

Diomedea nigripes

DKN



Chinese: 黑脚信天翁
English: Black-footed albatross
French: Albatros à pieds noirs
Japanese: Kuroashiahoudori
Local:

喙的基部具白环
White ring around base of bill

眼后具白斑
White patch behind eyes

头、身体和翅膀黑色
Dark head, body and wings

喙黑褐色
Black-brown bill

Diomedea immutabilis

DIZ



翼上及背黑色
Dark upper wings and back

眼部四周具黑环
Dark ring around eyes

肉色的喙、喙端
灰色
Flesh coloured bill with
grey tip

头、颈和腹部白色
White head, neck and stomach

Chinese: 黑背信天翁
English: Laysan albatross
French: Albatros de Laysan
Japanese: Koahoudori
Local:

Diomedidae

本科物种:

- 钩型大喙
- 大型鸟类
- 翼展达3.5米
- 鼻孔外端在喙的基部, 两侧各一个

Species in this family have:

- Large hooked bill
- Large birds
- Wing span up to 3.5 m
- External nostrils at base of bill, one on each side

ALZ



Chinese: 信天翁
English: Albatrosses
French: Albatros
Japanese: Ahoudori
Local:

Sulidae

SZV

本科物种:

- 大型鸟类
- 翅膀长、翼展达2.2米
- 楔形尾巴
- 坚硬的锥形喙

Species in this family have:

- Large birds
- Long wings with wing span up to 2.2 m
- Wedge-shaped tail
- Stout conical bill



Chinese: 鲣鸟和塘鹅

English: Boobies and Gannets

French: Fous

Japanese: Katuodori-ka

Local:

Procellariidae

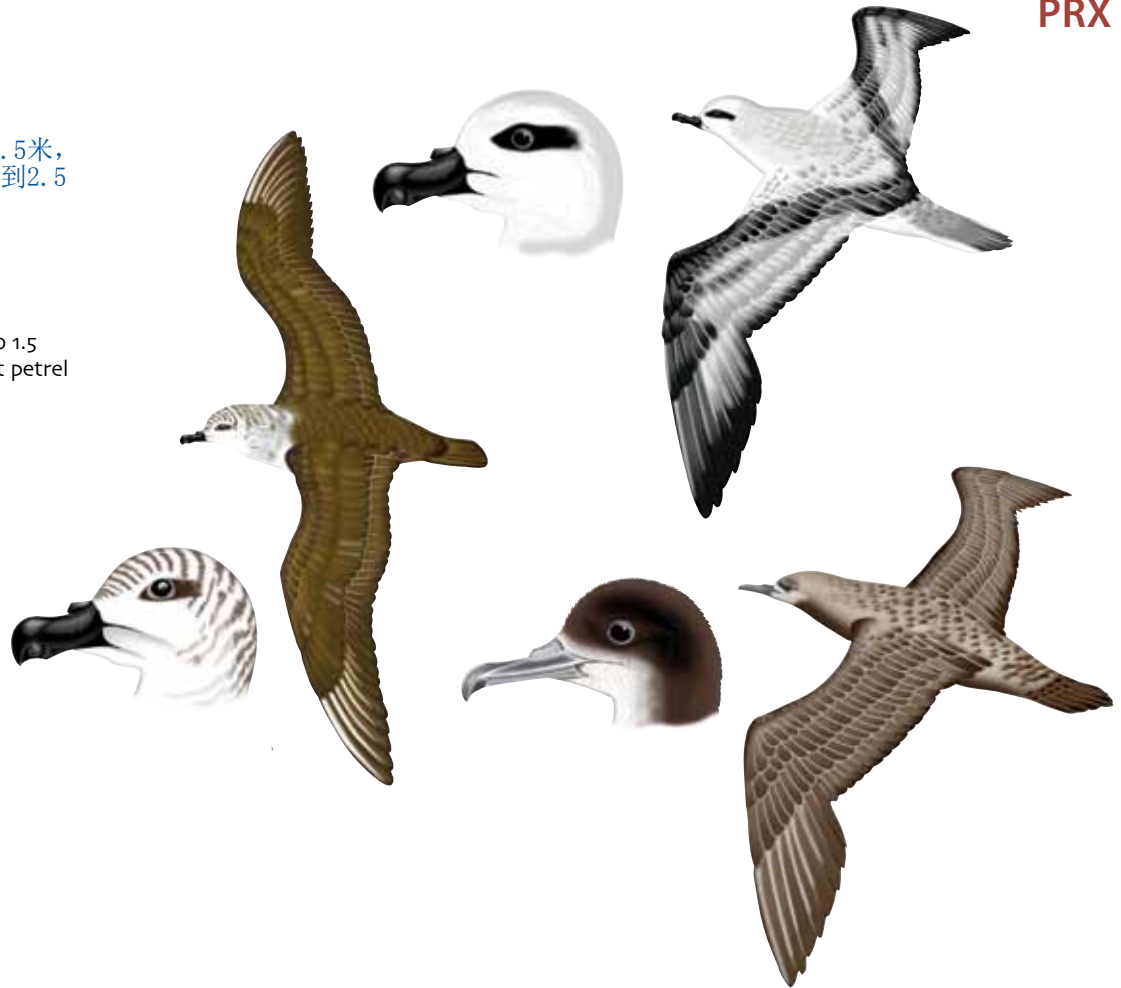
PRX

本科物种:

- 大多数物种在外型上较小（翼展达到1.5米，但是大体上小于1米），巨鹱（翼展达到2.5米）除外
- 鼻孔在喙的上方形成管状

Species in this family have:

- Most species smaller in size (wing span up to 1.5 m, but mainly less than 1 m) except for giant petrel (wing span up to 2.5 m)
- Nostrils united in a single tube on top of bill



Chinese: 海燕和剪水鹱
English: Petrels and Shearwaters
French: Pétrels et Puffins
Japanese: Kuromizunagadori-ru

Local:

Laridae

LRD

本科物种:

- 一般为较小的鸟（翼展达到1米），贼鸥较大（翼展达到1.8米）
- 鼻孔平坦，在喙的两边开孔
- 大多数鸟类具灰色和白色羽毛，一些鸟类头和翅膀黑色

Species in this family have:

- Generally smaller birds (wing span up to 1 m), with skuas larger (wing span up to 1.8 m)
- Nostrils are plain openings on either side of bill
- Most birds have grey and white plumage, some with black on head and wings

Chinese: 海鸥、燕鸥和贼鸥

English: Gulls, Terns and Skuas

French: Goélands, Sternes et Labbes

Japanese: Kamome-ka

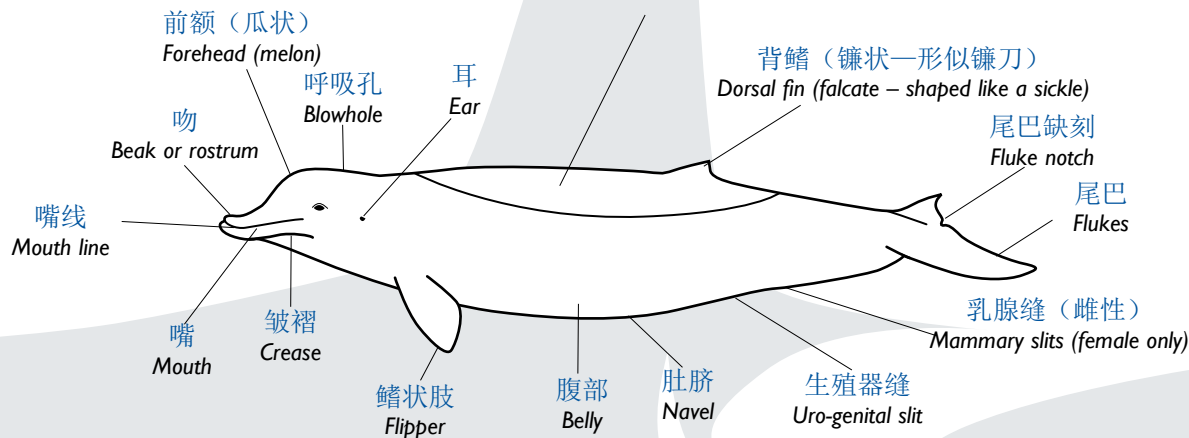
Local:



齿鲸类

Toothed whales

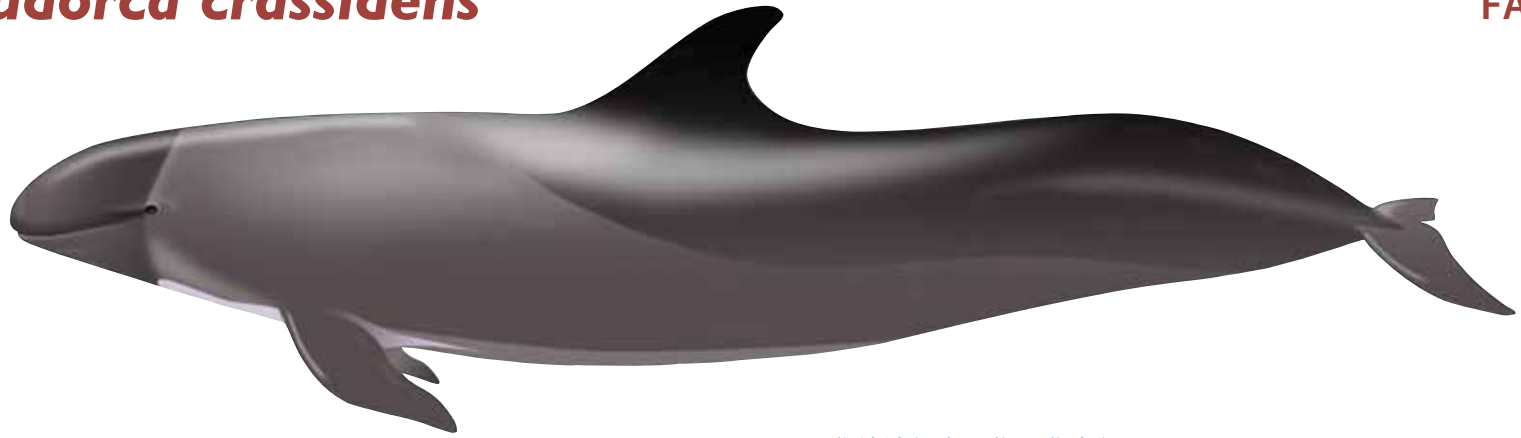
鞍部 (颜色、深度和大小取决于性别、年龄、生活状态和视其的水中位置)
Cape (colour, depth and size may depend on sex, age, life status and where they are seen in the water)



Scientific	Chinese	English	FAO code	Page
<i>Feresa attenuata</i>	侏虎鲸	Pygmy killer whale	KPW	117
<i>Globicephala macrorhynchus</i>	短肢领航鲸	Short-finned pilot whale	SHW	115
<i>Kogia breviceps</i>	小抹香鲸	Pygmy sperm whale	PYW	120
<i>Kogia simus</i>	倭抹香鲸	Dwarf sperm whale	DWW	121
<i>Mesoplodon densirostris</i>	布氏长喙鲸	Blainville's beaked whale	BBW	122
<i>Mesoplodon ginkgodens</i>	银杏齿中喙鲸	Ginkgo-toothed beaked whale	TGW	123
<i>Mesoplodon</i> spp.	喙鲸属	Other beaked whales	MEP	125
<i>Orcinus orca</i>	虎鲸	Killer whale	KIW	118
<i>Peponocephala electra</i>	瓜头鲸	Melon-headed whale	MEW	116
<i>Physeter macrocephalus</i>	抹香鲸	Sperm whale	SPW	119
<i>Pseudorca crassidens</i>	伪虎鲸	False killer whale	FAW	114
<i>Ziphius cavirostris</i>	柯氏喙鲸	Cuvier's beaked whale	BCW	124

Pseudorca crassidens

FAW



背鳍端部尖，位于背中部
Dorsal fin with pointed tip, located mid-back

细长型的锥形头
Long slim tapered head

从船上可观察到模糊的鞍部
Indistinct cape when viewed from boat
体黑色
Dark body

口线直
Straight mouth line

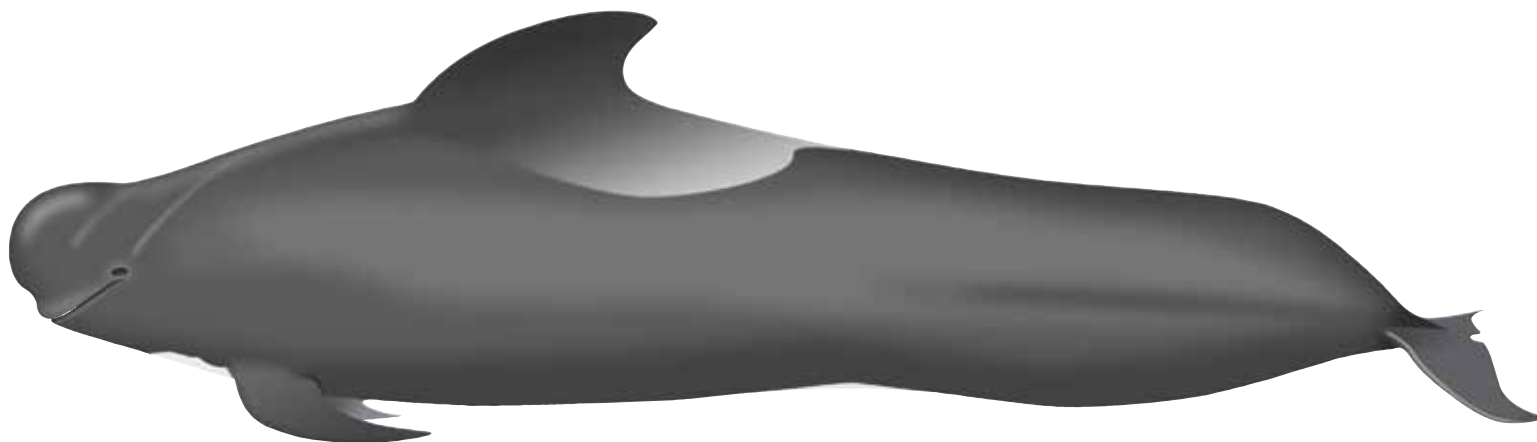
鳍状肢前缘独特的背部隆起
Distinctive hump on front margin of flippers

最大体长：6米
Maximum length: 6 m

Chinese: 伪虎鲸
English: False killer whale
French: Faux-orque
Japanese: Oki-gondo
Local:

Globicephala macrorhynchus

SHW



Chinese: 短肢领航鲸
English: Short-finned pilot whale
French: Globicéphale tropical
Japanese: Kobire-gondo
Local:

头瓜状，前伸过嘴
Melon shaped head extends past mouth

背鳍基宽广，端部圆形，位置靠前
Dorsal fin base broad, rounded tip, located well forward

鞍部位于背鳍后，一般可见
Cape or saddle behind dorsal fin often visible

体黑色
Dark body

口线朝上
Upturned mouth line

鳍状肢稍弯曲，端部尖
Flippers gently curved, pointed tips

最大体长：6米
Maximum length: 6 m

Peponocephala electra

MEW



鞍部位于背鳍下
Cape dips below dorsal fin

背鳍高，镰状
Dorsal fin tall, falcate

俯视时，头呈三角形
Head triangular when seen from above

体黑色
Dark body

唇白色
White lips

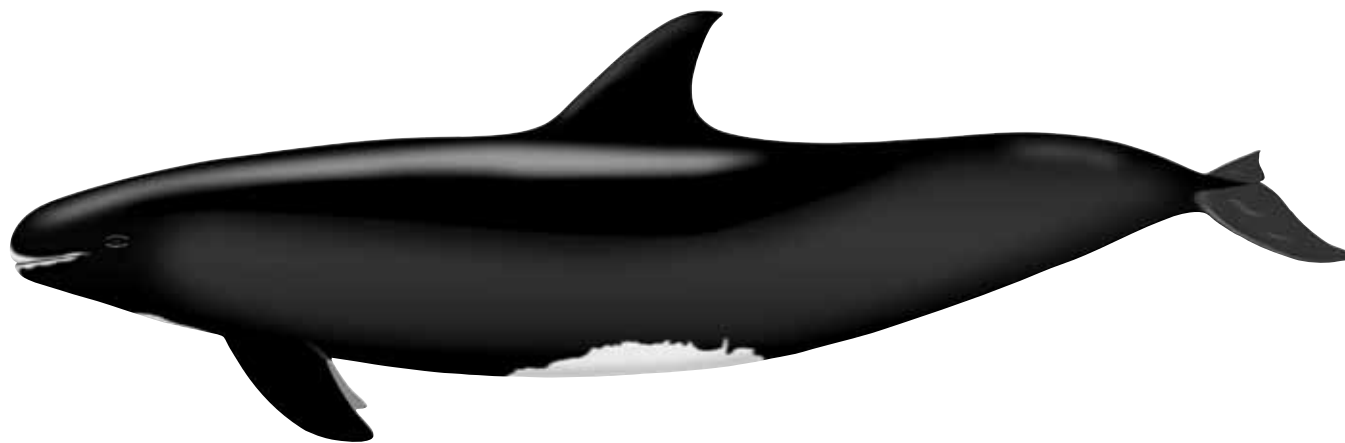
鳍状肢甚尖
Sharply pointed flippers

最大体长：2.7米
Maximum length: 2.7 m

Chinese: 瓜头鲸
English: Melon-headed whale
French: Péponocéphale
Japanese: Kazuha-gondo
Local:

Feresa attenuata

KPW



Chinese: 侏虎鲸
English: Pygmy killer whale
French: Orque pygmée
Japanese: Yume-gondo
Local:

头略似瓜形
Head slightly melon shaped

鞍部狭窄
Narrow cape

背鳍高，镰状
Dorsal fin tall, falcate

体黑色
Dark body

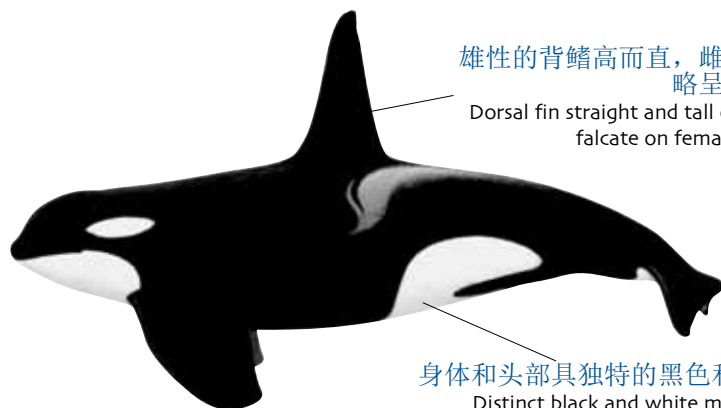
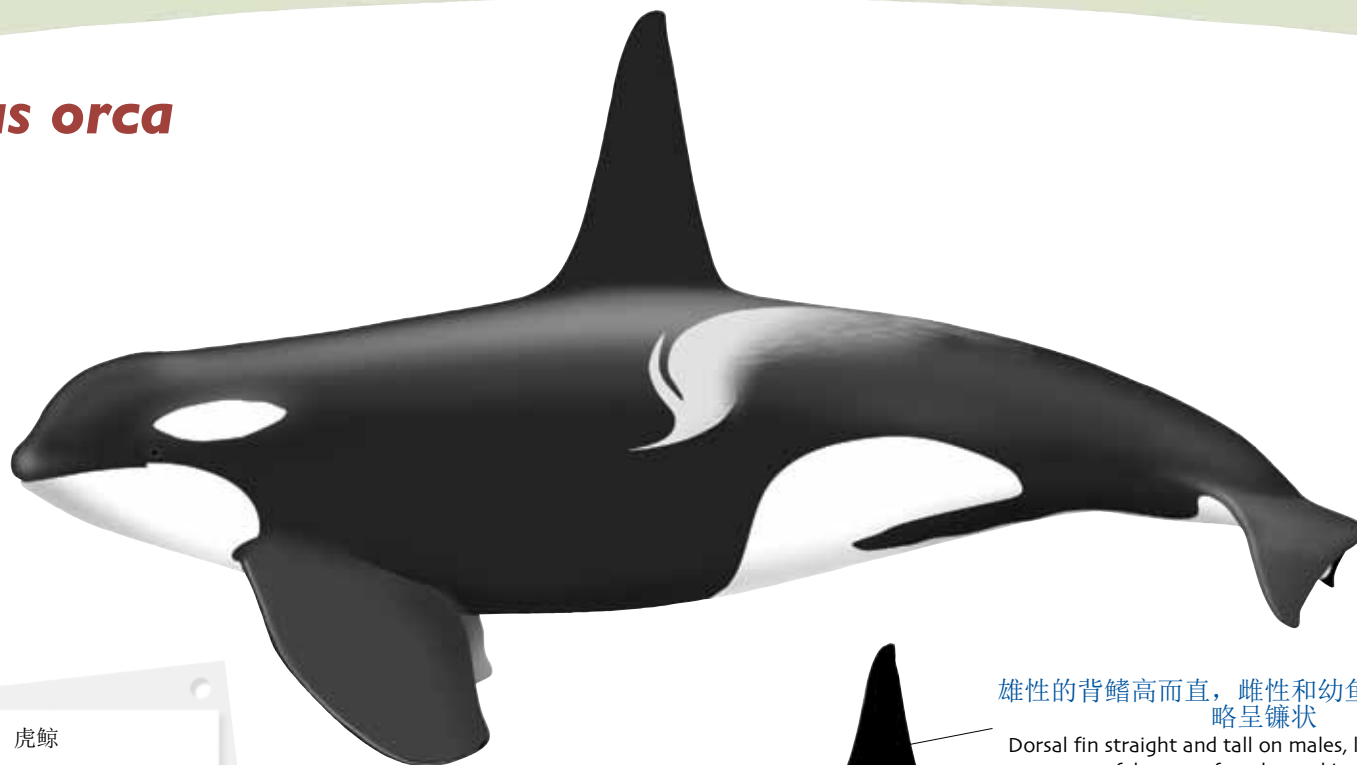
唇、颏和腹部白色
Lips, chin and belly white

鳍状肢长、端部圆形
Long flippers with rounded tips

最大体长：3米
Maximum length: 3 m

Orcinus orca

KIW



雄性的背鳍高而直，雌性和幼鱼的背鳍较矮，
略呈镰状

Dorsal fin straight and tall on males, lower and slightly
falcate on females and juveniles

身体和头部具独特的黑色和白色标记

Distinct black and white markings
on body and head

最大体长：9米
Maximum length: 9 m

Chinese: 虎鲸
English: Killer whale
French: Orque
Japanese: Shachi, Sakamata
Local:

Physeter macrocephalus

SPW



鲸类独特的“呼吸孔”、位于头部前方且偏左
Unique “blow” for a cetacean, with blow directed
at an angle forward and to the left

背部隆起低、后接一连串较
小的突陵

Low dorsal hump followed
by a series of knuckles

头方形、巨大
Huge square head



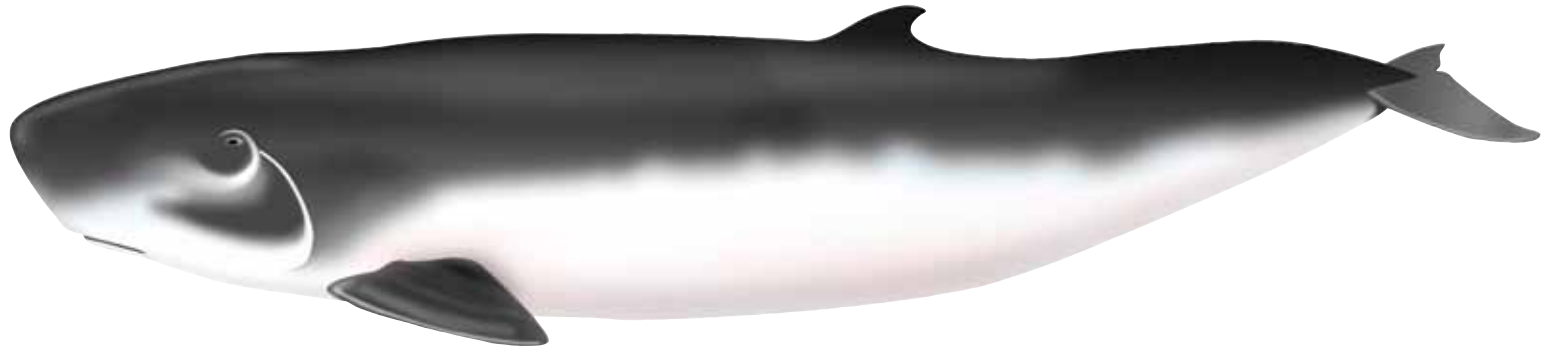
体表具皱褶
Body appears wrinkled

最大体长：18米
Maximum length: 18 m

Chinese: 抹香鲸
English: Sperm whale
French: Cachalot
Japanese: Makko-kujira
Local:

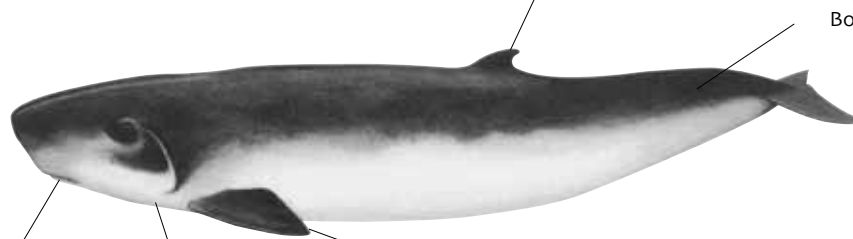
Kogia breviceps

PYW



背鳍小，位于背部中后方
Dorsal fin tiny, located after mid-back

体表可能出现皱褶
Body may appear wrinkled



颌小而窄
Small narrow jaw

颈部无皱褶
No creases on throat

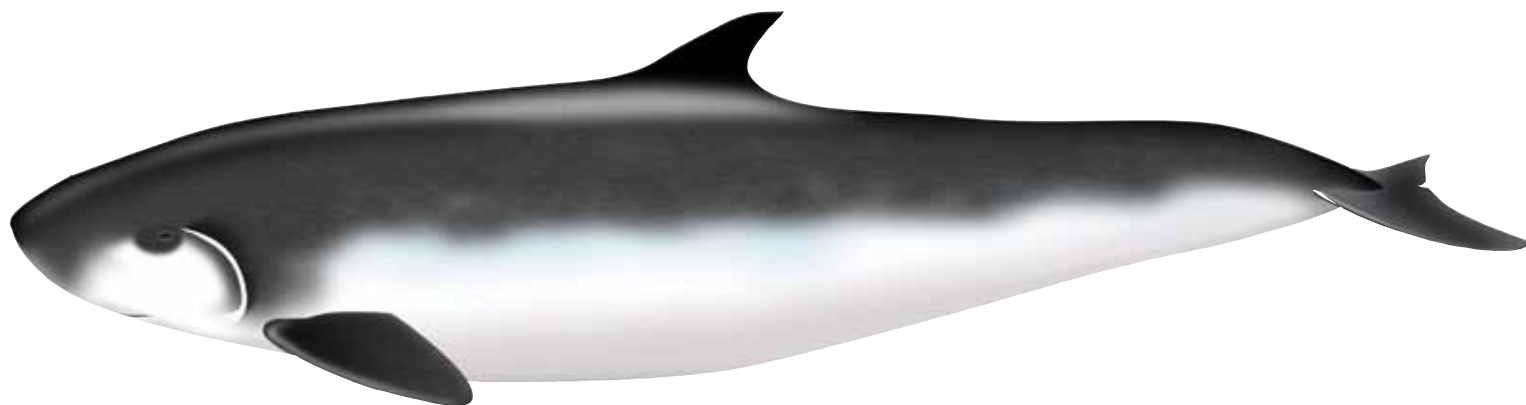
鳍状肢短，位于身体前方
Short flippers located far forward on body

最大体长：3.7米
Maximum length: 3.7 m

Chinese: 小抹香鲸
English: Pygmy sperm whale
French: Cachalot pygmée
Japanese: Komakko-kujira
Local:

Kogia simus

DWW



背鳍小，位于背部中后方
Dorsal fin tiny, located after mid-back

体表可能出现皱褶
Body may appear wrinkled

颌小而窄
Small narrow jaw

颈部有皱褶
Creases on throat

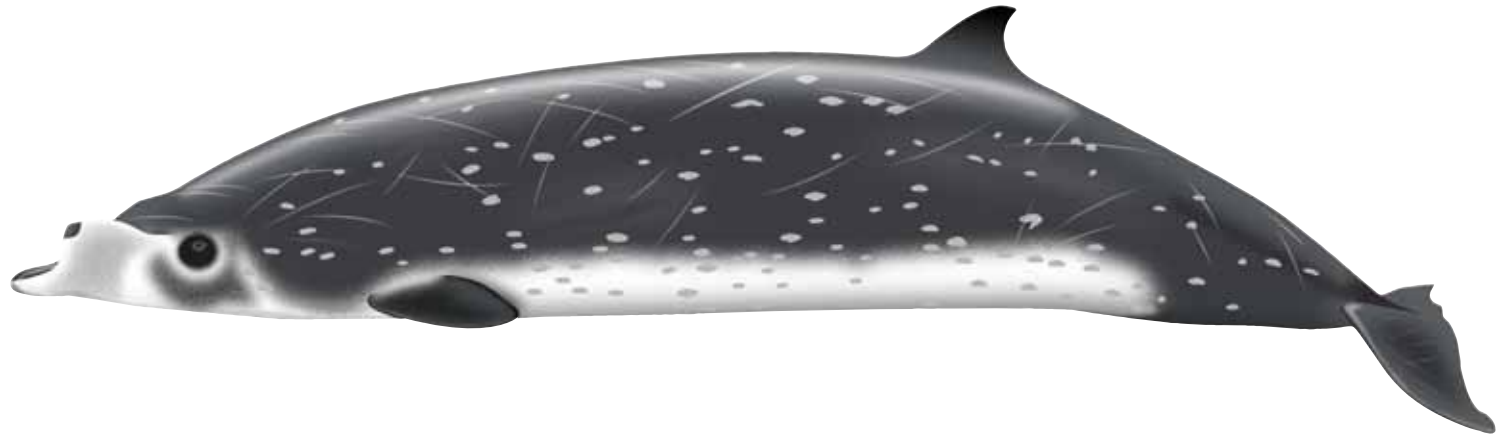
鳍状肢短，位于身体前方
Short flippers located far forward on body

最大体长：2.7米
Maximum length: 2.7 m

Chinese: 倭抹香鲸
English: Dwarf sperm whale
French: Cachalot nain
Japanese: Ogawa komakko-kujiraa
Local:

Mesoplodon densirostris

BBW



大的角状齿从下颌中突出
(雄性)

Large horn-like teeth erupt
from lower jaw (males)

前额扁平

Flattened forehead

全身具有白斑“划痕” (雄性)
Pale blotches all over body "scratches" (males)

体表上部呈蓝灰色，下部呈
浅灰色

Dark bluish-grey upperside /
light grey underside

强大的拱形下颌

Strong arched lower jaw

腹部苍白

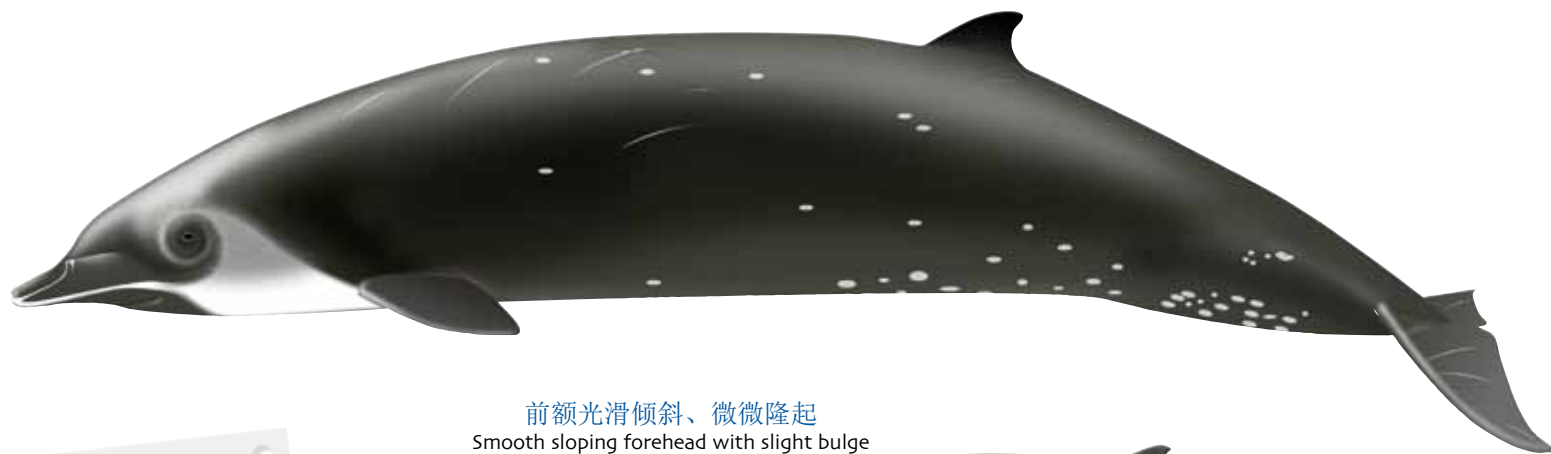
Pale belly

最大体长：5米
Maximum length: 5 m

Chinese: 布氏长喙鲸
English: Blainville's beaked whale
French: Baleine à bec de Blainville
Japanese: Kobuha-kujira
Local:

Mesoplodon ginkgodens

TGW



前额光滑倾斜、微微隆起
Smooth sloping forehead with slight bulge

拱形下颌
Arched lower jaw

几乎全部覆盖了矮齿（雄性）
Low teeth mostly covered (males)

肚脐附近具白色斑点
White blotches near navel

最大体长：5米
Maximum length: 5 m

Chinese: 银杏齿中喙鲸
English: Ginkgo-toothed beaked whale
French: Baleine à bec de Nishiwaki
Japanese: Ichoha-kujira
Local:

Ziphius cavirostris

BCW



瓜状前额（雄性，白色/与雌性略有不同）
Melon forehead (males white / less distinct in females)

体表上部和侧部具长的白色“划痕”（雄性）
Long white “scratches” on upper body and sides (males)

喙短小、模糊
Short indistinct beak

下颌端部具两颗小圆齿（雄性）
Two small circular teeth at tip of lower jaw (males)

在下侧具白到乳白色的斑点
White to cream blotches on underside

最大体长：7米
Maximum length: 7 m

Chinese: 柯氏喙鲸
English: Cuvier's beaked whale
French: Ziphius
Japanese: Akabo-kujira
Local:

Mesoplodon spp.

MEP



Mesoplodon hectori



Mesoplodon grayi



Mesoplodon mirus



Mesoplodon bowdoini



Mesoplodon layardii

Chinese: 其他喙鲸
English: Other beaked whales
French: Autres mésoplodons, autres baleines à bec
Japanese: Hakujira rui
Local:

喙的长度明显不同
Obvious beak of varying lengths

背鳍位于背部的中后方
Dorsal fin located after mid-back

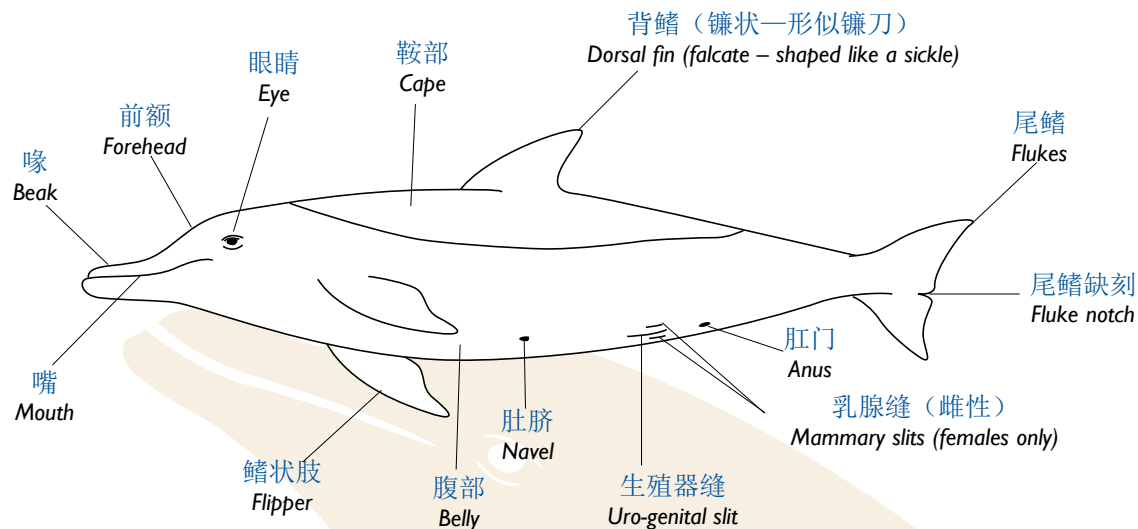
在下颌的两侧通常仅有一颗或两颗平齿
Usually only one or two flat teeth erupting
on each side of lower jaw (males)

无尾鳍缺刻
No fluke notch

与体长相比，鳍状肢小
Small flippers compared to body size

最大体长：7米
Maximum length: 7 m

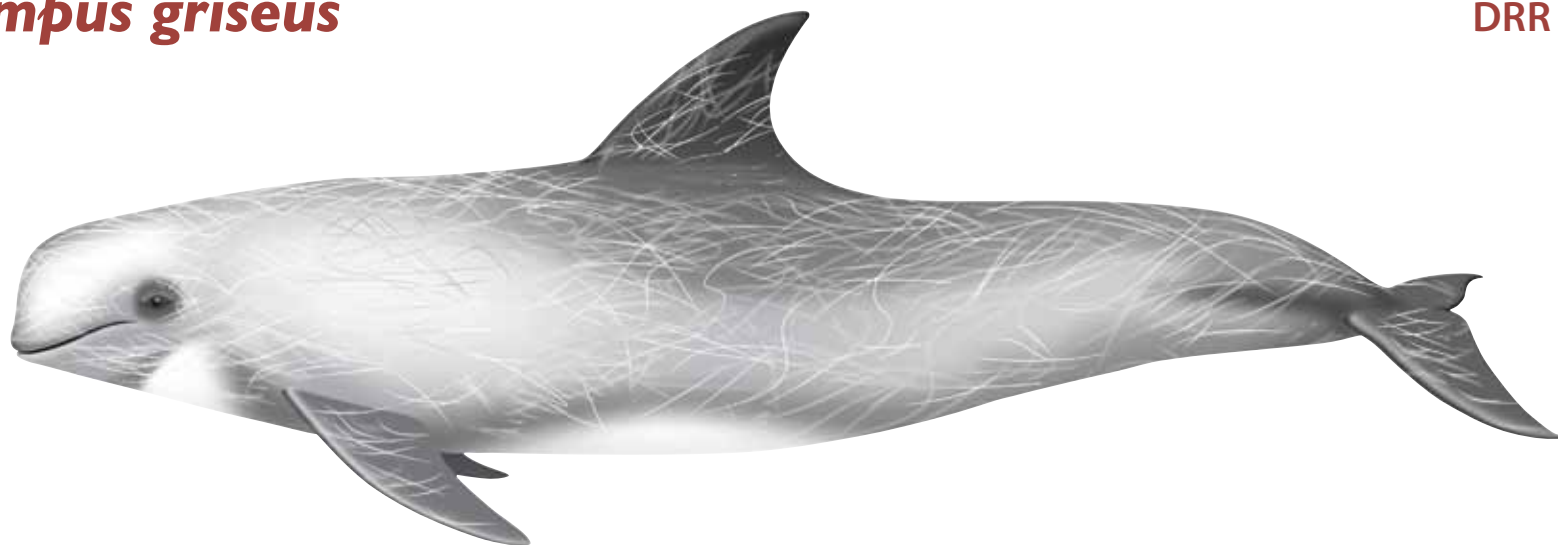
海豚科 Dolphins



Scientific	Chinese	English	FAO code	Page
<i>Delphinus capensis</i>	长吻真海豚	Long-beaked common dolphin	DCZ	132
<i>Delphinus delphis</i>	短吻真海豚	Short-beaked common dolphin	DCO	133
<i>Grampus griseus</i>	灰海豚	Risso's dolphin	DRR	128
<i>Lagenodelphis hosei</i>	沙捞越海豚	Fraser's dolphin	FDR	131
<i>Lagenorhynchus obliquidens</i>	太平洋短吻海豚	Pacific white-sided dolphin	DWP	129
<i>Stenella attenuata</i>	点斑原海豚	Pantropical spotted dolphin	DPN	138
<i>Stenella coeruleoalba</i>	条纹原海豚	Striped dolphin	DST	134
<i>Stenella longirostris</i>	长吻原海豚	Spinner dolphin	DSI	135
<i>Steno bredanensis</i>	糙齿海豚	Rough-toothed dolphin	RTD	130
<i>Tursiops aduncus</i>	东方宽吻海豚	Indo-Pacific bottlenose dolphin	DBZ	136
<i>Tursiops truncatus</i>	宽吻海豚	Common bottlenose dolphin	DBO	137

Grampus griseus

DRR



前额具独特的裂口
Distinctive cleft in forehead

高而细的镰状背鳍，颜色比身体黑
Tall, slender, falcate dorsal fin, darker than body

钝头，无喙
Blunt head, no beak

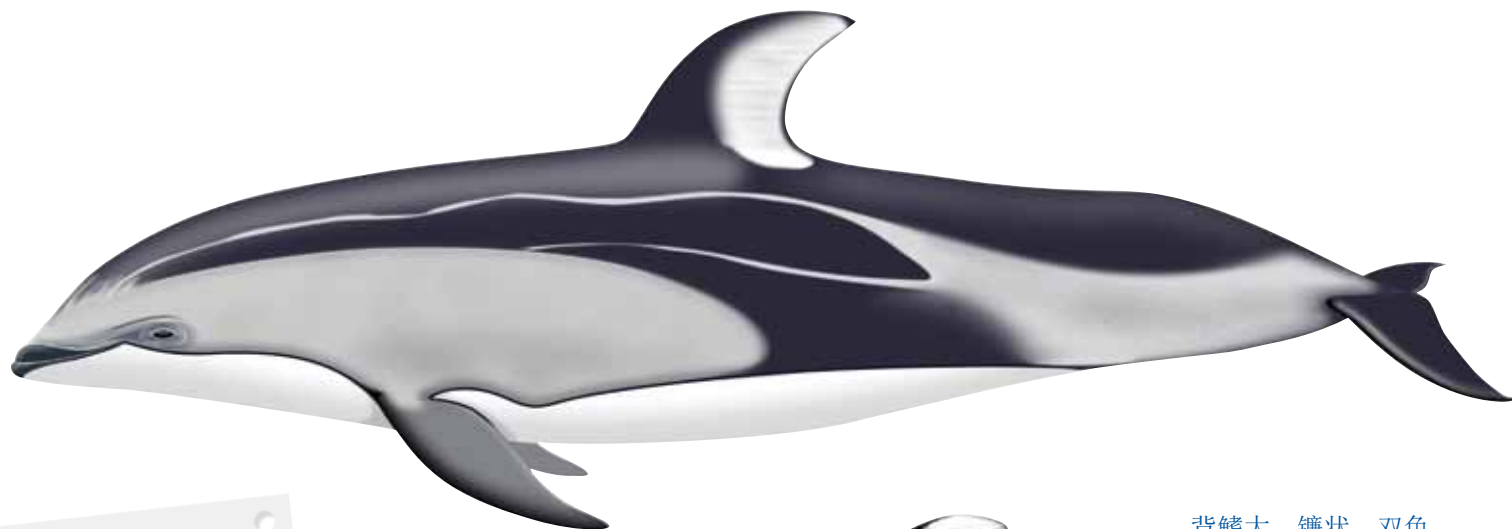
体表具大量的“划痕”
Body with extensive “scratches”

最大体长：4米
Maximum length: 4 m

Chinese: 灰海豚
English: Risso's dolphin
French: Grampus
Japanese: Hana-gondo
Local:

Lagenorhynchus obliquidens

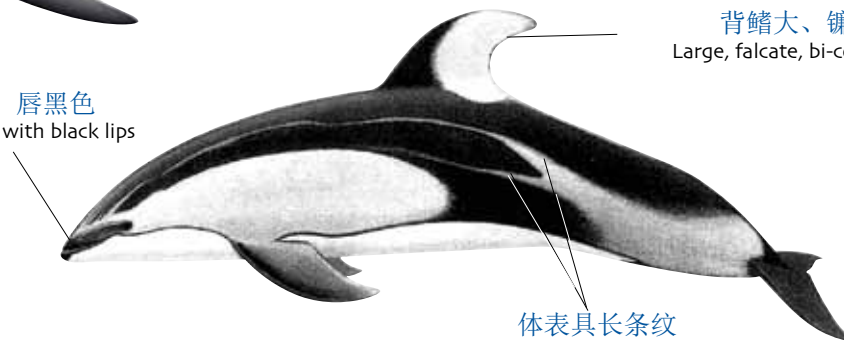
DWP



Chinese: 太平洋短吻海豚
English: Pacific white-sided dolphin
French: Dauphins à flancs blancs du Pacifique
Japanese: Kama-iruka
Local:

喙小，唇黑色
Small beak with black lips

背鳍大、镰状、双色
Large, falcate, bi-coloured dorsal fin

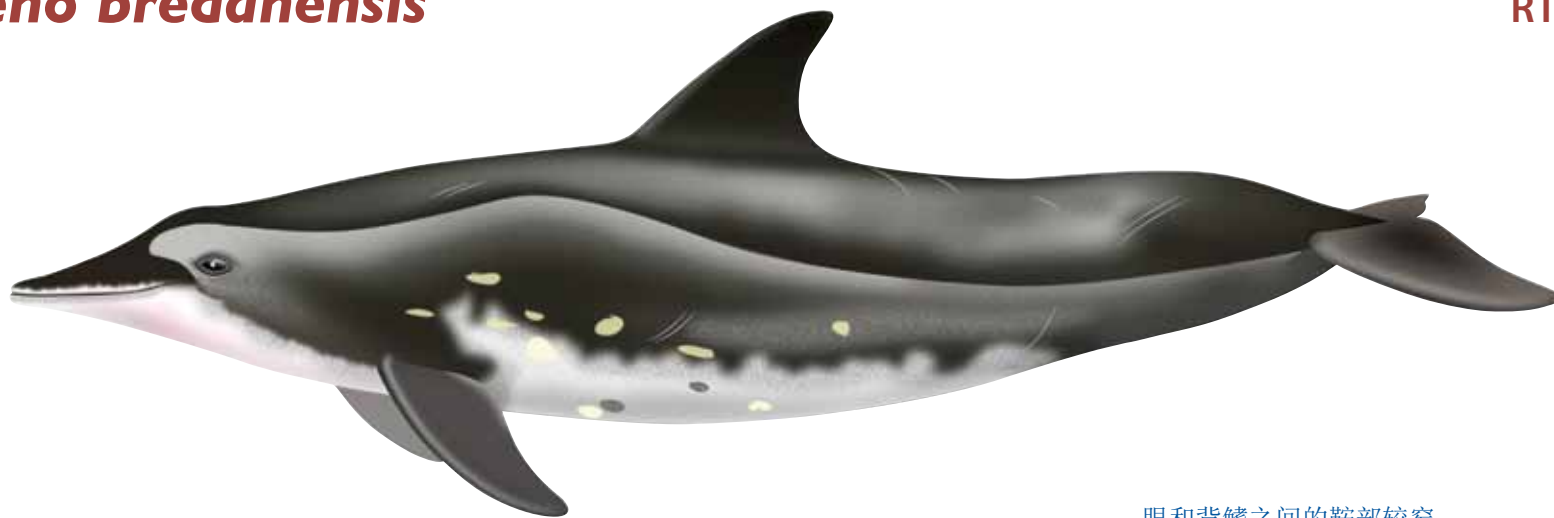


体表具长条纹
Long body stripes

最大体长：2.5米
Maximum length: 2.5 m

Steno bredanensis

RTD



Chinese: 糙齿海豚
English: Rough-toothed dolphin
French: Sténo
Japanese: Shiwaha-iruka
Local:

头部平缓
Sloping head

喙长，通常白色
Long beak, often white

眼和背鳍之间的鞍部较窄
Cape that narrows between eye and dorsal fin

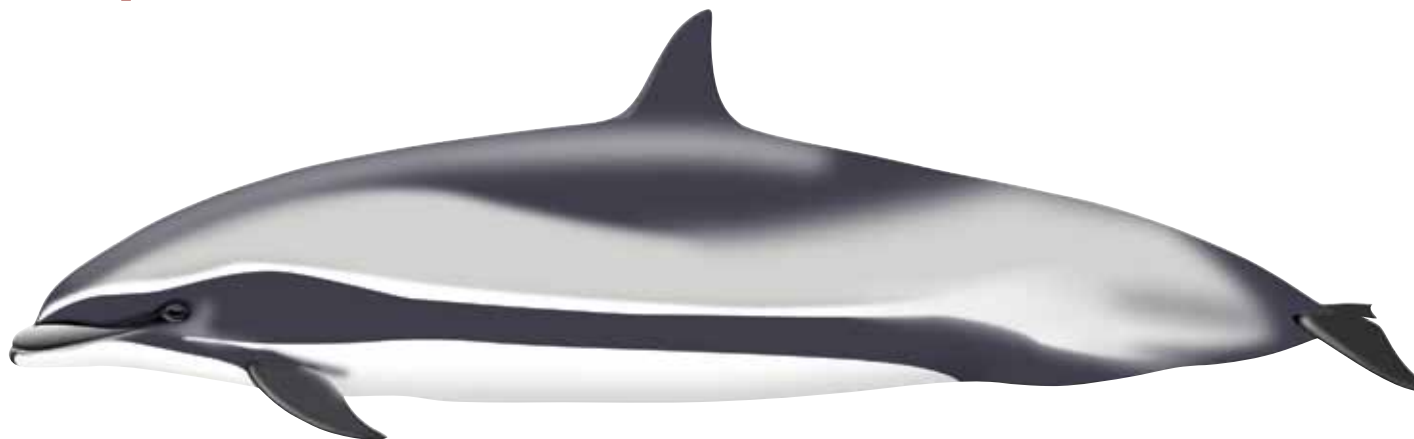
腹部白色至品红色
White to pinkish belly

黄色或品红色的“划痕”
Yellow or pinkish “scratches”

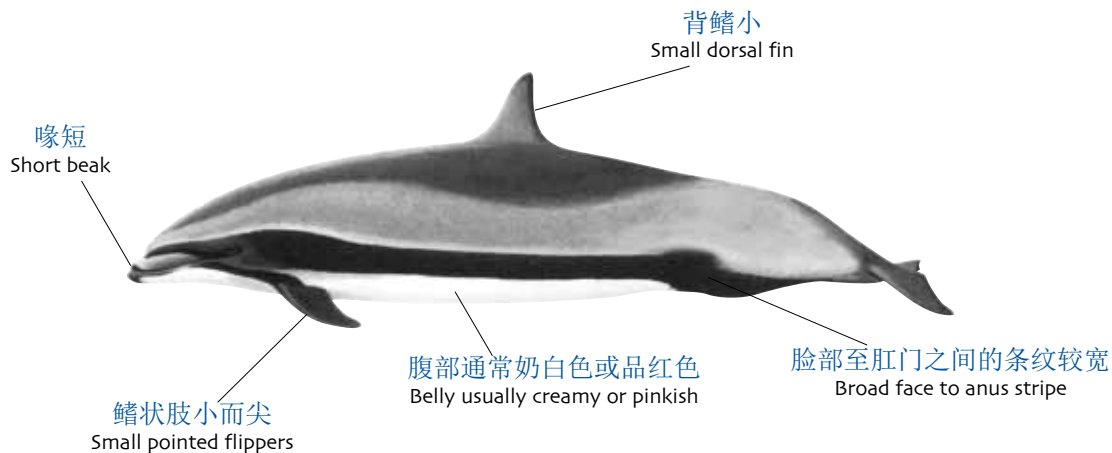
最大体长：2.8米
Maximum length: 2.8 m

Lagenodelphis hosei

FDR



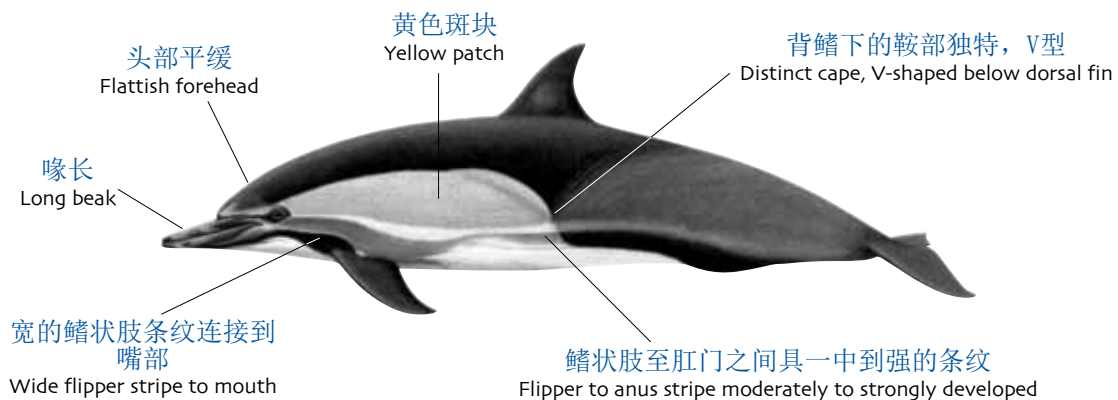
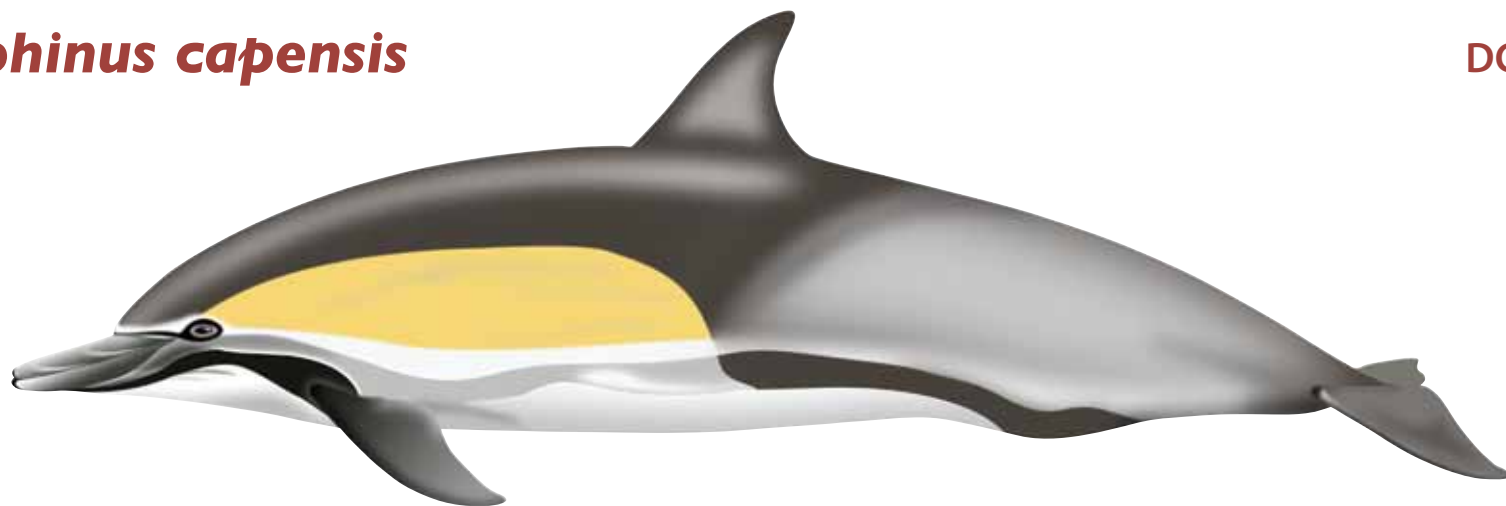
Chinese: 沙撈越海豚
English: Fraser's dolphin
French: Dauphin de Fraser
Japanese: Sawaraku-iruka
Local:



最大体长: 2.7米
Maximum length: 2.7 m

Delphinus capensis

DCZ

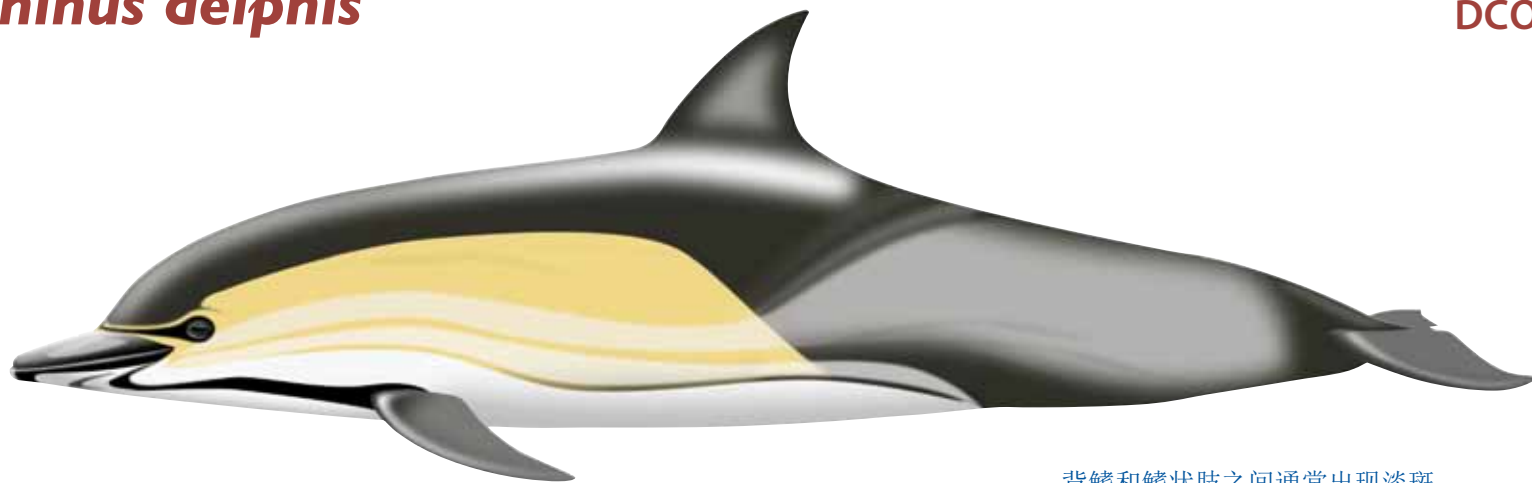


最大体长：2.4米
Maximum length: 2.4 m

Chinese: 长吻真海豚
English: Long-beaked common dolphin
French: Dauphin commun à long bec
Japanese: Hase-iruka
Local:

Delphinus delphis

DCO



淡黄色的斑块
Light yellow patch

背鳍和鳍状肢之间通常出现淡斑
Light patch often present on dorsal fin and flippers

眼斑颜色差异明显
Eye patch contrasting in colour

背鳍下具独特的鞍部，V型
Distinct cape, V-shaped below dorsal fin

Chinese: 短吻真海豚
English: Short-beaked common dolphin
French: Dauphin commun
Japanese: Ma-iruka
Local:

额部圆形
Rounded forehead

喙短
Shorter beak

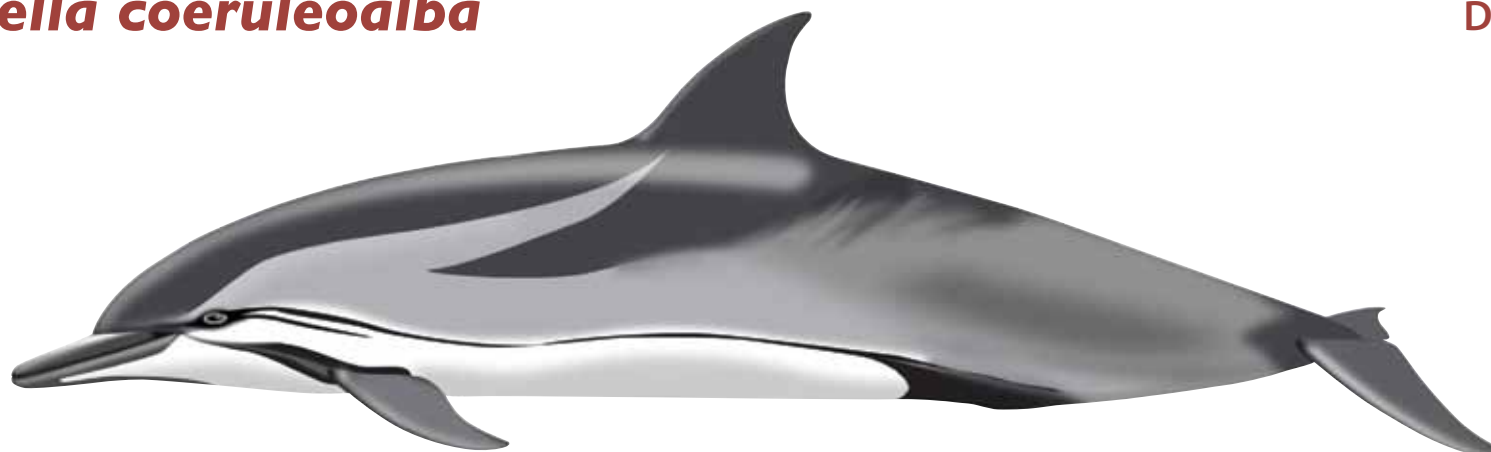
鳍状肢条纹不及嘴，眼前方变得更窄
Thin flipper stripe not approaching mouth, narrowing ahead of eyes

鳍状肢到肛门处的条纹变弱或消失
Flipper to anal stripe weak or absent

最大体长：2米
Maximum length: 2 m

Stenella coeruleoalba

DST



鞍部标志独特
Distinct cape markings

喙中等长度，黑色
Moderately long dark beak

从眼到鳍状肢间具细条纹
Thin stripe from eye to flipper

鳍状肢黑色、端部尖，位于白色身体区域
Dark pointed flippers located in white body area

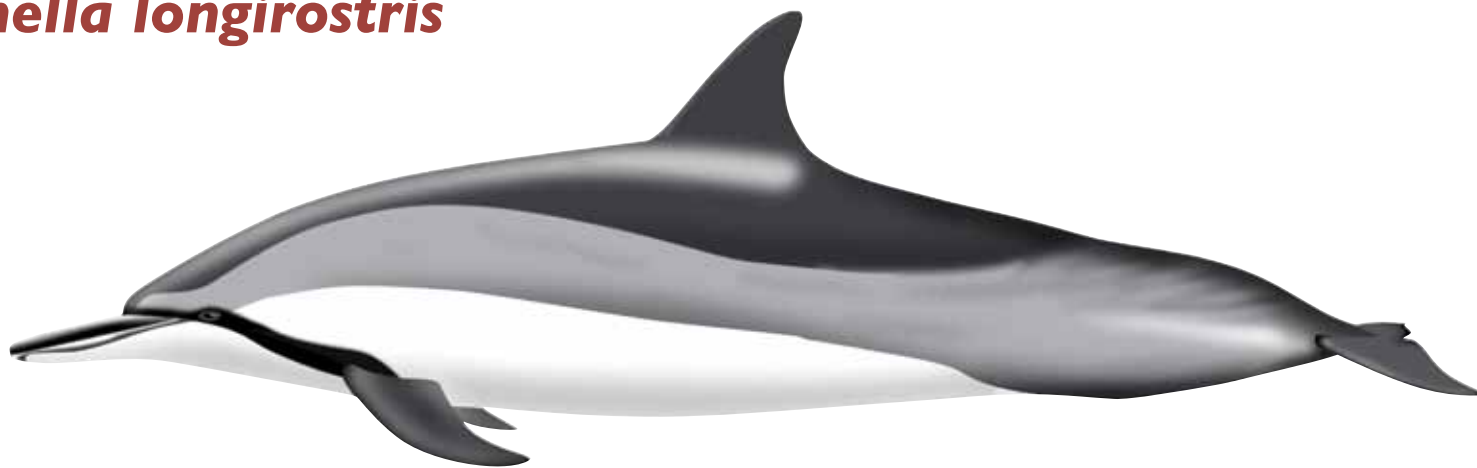
眼到肛门之间的条纹细长
Thin stripe from eye to anus

最大体长：2.6米
Maximum length: 2.6 m

Chinese: 条纹原海豚
English: Striped dolphin
French: Dauphin bleu et blanc
Japanese: Suji-iruka
Local:

Stenella longirostris

DSI



喙长而细窄、端部黑色
Very long and narrow black-tipped beak

背鳍高，从三角形变到镰状
Tall, dorsal fin varies from triangular to falcate

眼到鳍状肢间具条纹
Stripe from eye to flipper

鳍状肢长而尖
Long pointed flippers

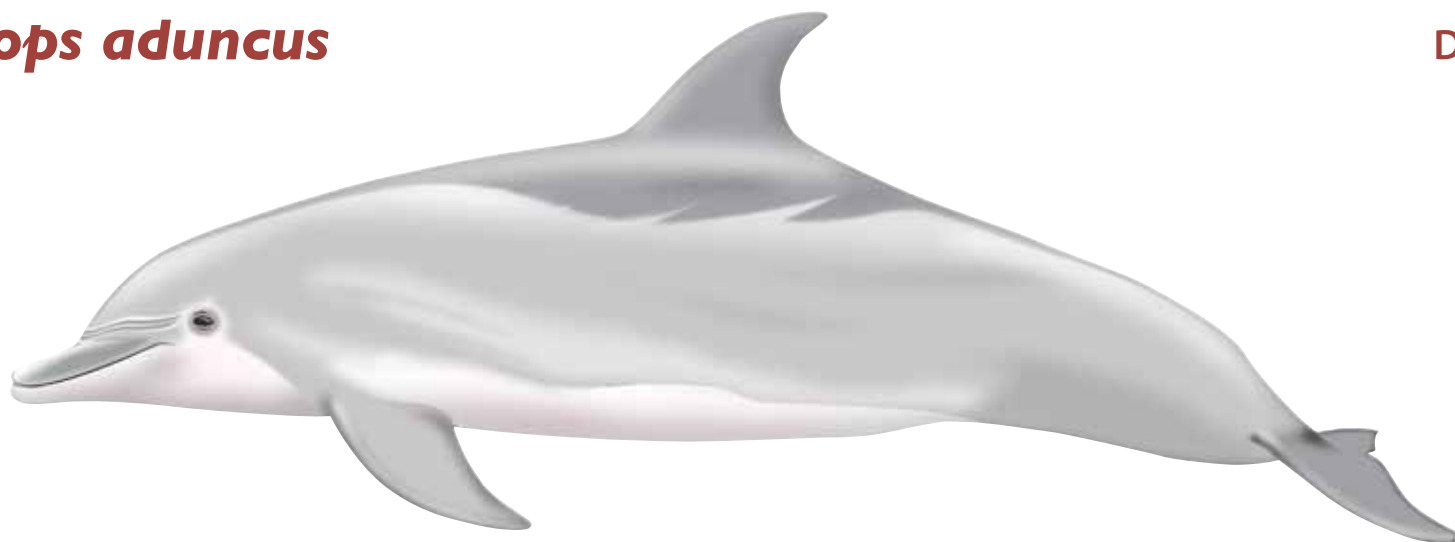
腹部白色
White belly

最大体长：2.1米
Maximum length: 2.1 m

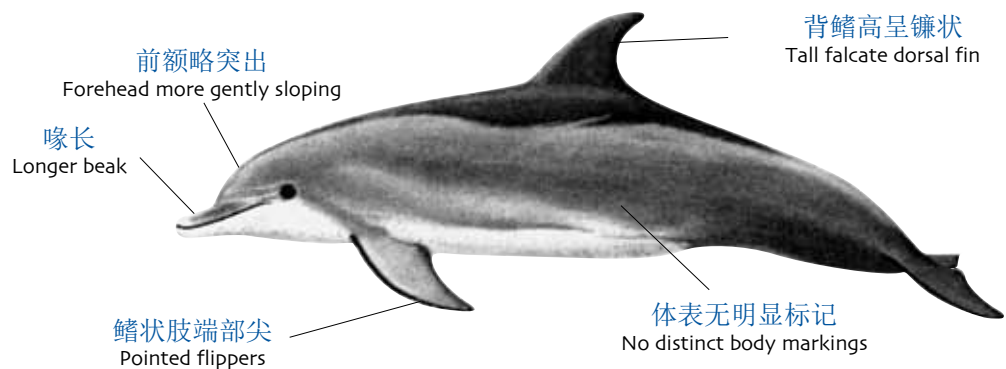
Chinese: 长吻原海豚
English: Spinner dolphin
French: Dauphin longirostre
Japanese: Hashinaga-iruka
Local:

Tursiops aduncus

DBZ



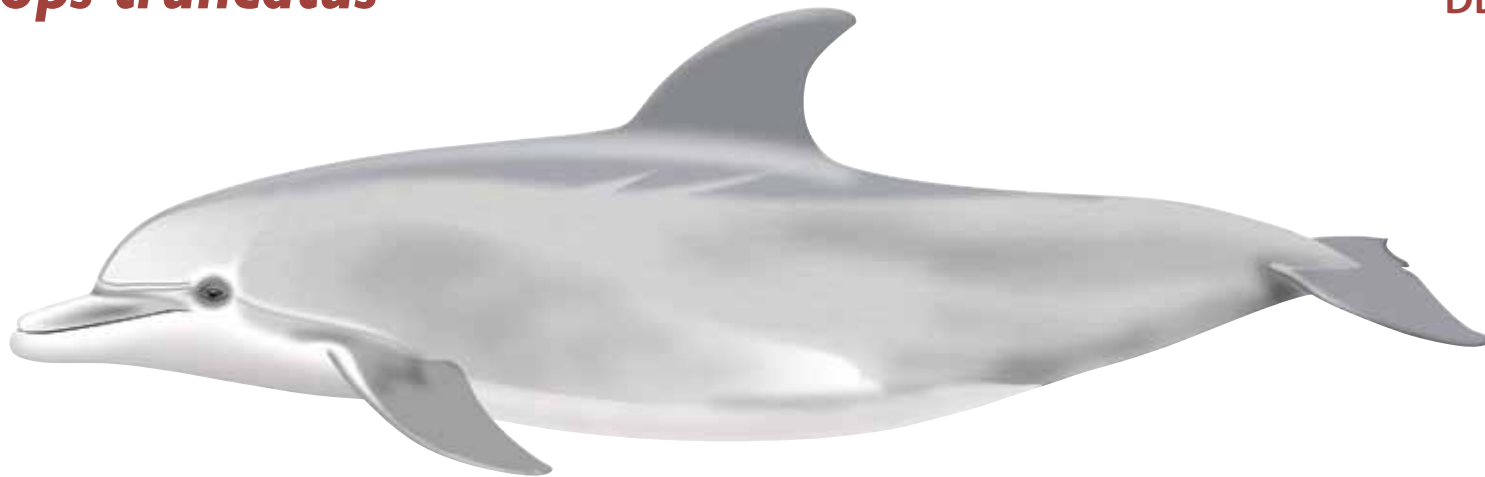
Chinese: 东方宽吻海豚
English: Indo-Pacific bottlenose dolphin
French: Grand dauphin de l'Indo-Pacifique
Japanese: Minamibandou-iruka
Local:



最大体长: 2.7米
Maximum length: 2.7 m

Tursiops truncatus

DBO



Chinese: 宽吻海豚
English: Common bottlenose dolphin
French: Grand dauphin
Japanese: Bando-iruka, Taiseiyo
Local:

额部具明显的隆起
Blunt and abruptly sloping forehead

喙短
Short beak

鳍状肢端部尖
Pointed flippers

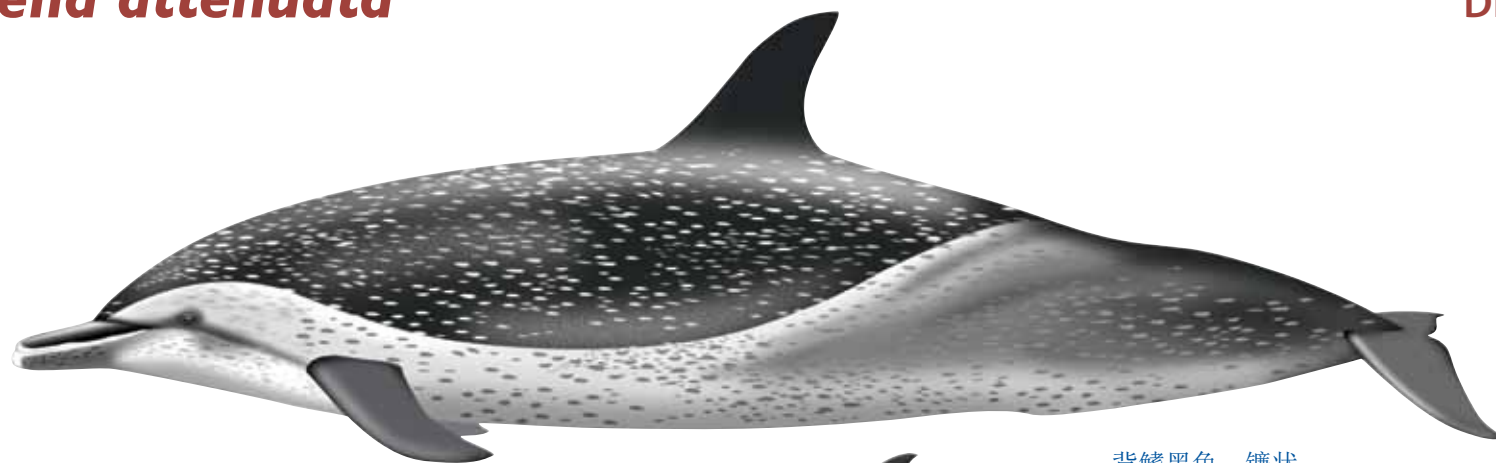
背鳍高呈镰状
Tall falcate dorsal fin

体表无明显标记
No distinct body markings

最大体长: 3.8米
Maximum length: 3.8 m

Stenella attenuata

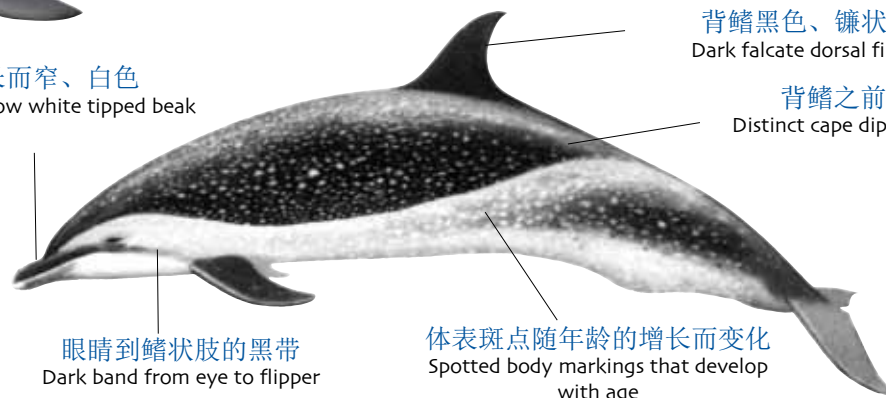
DPN



喙长而窄、白色
Long, narrow white tipped beak

背鳍黑色、镰状
Dark falcate dorsal fin

背鳍之前独特的鞍部较宽
Distinct cape dips deeply before dorsal fin



眼睛到鳍状肢的黑带
Dark band from eye to flipper

体表斑点随年龄的增长而变化
Spotted body markings that develop with age

最大体长：2.6米
Maximum length: 2.6 m

Chinese: 点斑原海豚
English: Pantropical spotted dolphin
French: Dauphin tacheté pantropical
Japanese: Madara-iruka
Local:

损坏的鱼

Damaged fish



Chinese	English	Page
巴西达摩鲨的损坏	Cookie cutter shark damage	142
海鸟的损坏	Seabird damage	144
鲨鱼的损坏	Shark damage	141
柔鱼类的损坏	Squid damage	143
齿鲸类的损坏	Toothed whale damage	140

齿鲸类的损坏 Toothed whale damage

共同特征:

- 伤口锯齿状，常常伴随着长条状的皮肤和肌腱
- 经常在钓钩上只剩下鱼的头部或者嘴部
- “碎和撕裂”的外观
- 牙齿刺痕间隔较大
- 损坏经常发生在同一次作业的多种鱼上
- 通常呈现单一的咬伤口

Common characteristics:

- Jagged bite edges often accompanied by long strips of skin and tendons
- Often only the fish's head or mouthparts left on hook
- "Crushed and torn" appearance
- Tooth puncture marks widely spaced
- Damage often found on multiple fish in same set
- Usually appears to be a single bite



鲨鱼的损坏 Shark damage

共同特征:

- 大的咬伤口; 很少有长条状的组织
- 咬痕是由单个牙齿造成的, 有时出现在伤口的表面
- 与刺痕相比牙痕看起来更像是切割和撕裂
- 有时是斜的较浅的切口
- 通常呈现出几个咬伤口

Common characteristics:

- Large bites; few, if any, long strips of tissue
- Gouge marks from individual teeth sometimes seen over surface of wound
- Teeth marks look more like cuts and lacerations than punctures
- Sometimes slashes and superficial cuts
- Often appears to have several bites



巴西达摩鲨的损坏 Cookie cutter shark damage

共同特征:

- 伤口圆形或椭圆形，边缘干净
- 半球状的和很深的凹面
- 发生在任何地方，但更常见的是鱼体后部下方

Common characteristics:

- Circular or oval shaped wounds with clean edges
- Hemispherical and highly concave
- Can be found anywhere, but more common on lower rear of body



柔鱼类的损坏

Squid damage

共同特征:

- 伤口边缘和表面锯齿状
- 在皮肤上的吸吮标记出现在伤口边缘和鱼体上
- 背骨和椎骨, 如果存在, 上面的肉被剔除得很干净
- 可能发生在鱼体的任何部位

Common characteristics:

- Jagged wound edges and surfaces
- Sucker marks on skin around wound edge and on fish's body
- Backbone and vertebrae, if present, picked fairly clean
- May occur anywhere on fish's body



海鸟的损坏 Seabird damage

共同特征:

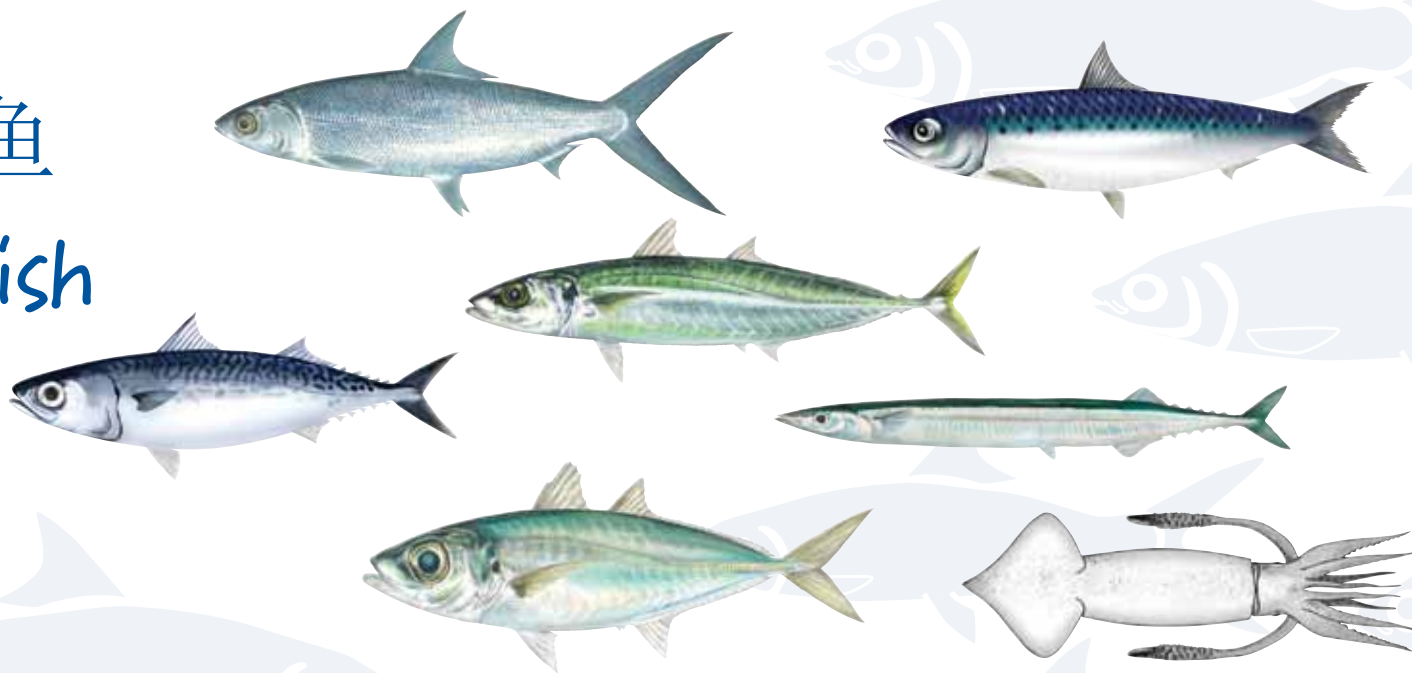
- 伤口边缘和表面锯齿状
- 许多留在伤口边缘的短的皮肤和肌肉条
- 喙在伤口边缘和鱼体皮肤上留下许多划痕
- 通常发生在鱼体柔软的部位

Common characteristics:

- Jagged wound edges and surfaces
- Many short strips of skin and muscle left on wound edges
- Many scratch marks from beaks on skin around wound edge and on fish's body
- Usually occur on softer parts of fish's body



饵料鱼 Baitfish



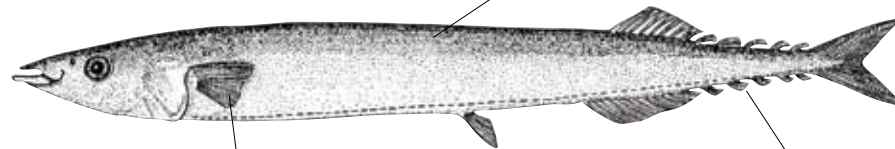
Scientific	Chinese	English	FAO code	Page
<i>Chanos chanos</i>	遮目鱼	Milkfish	MIL	151
<i>Cololabis saira</i>	秋刀鱼	Pacific saury, Sanma	SAP	146
<i>Decapterus macarellus</i>	细鳞圆鲹	Mackerel scad	MSD	149
Ommastrephidae	柔鱼科	Squid	OMZ	152
<i>Sardinops sagax</i>	南美拟沙丁鱼	South American pilchard	CHP	147
<i>Scomber japonicus</i>	日本鲈	Chub mackerel	MAS	148
<i>Selar crumenophthalmus</i>	脂眼凹肩鲹	Bigeye scad	BIS	150

Cololabis saira

SAP



鱼体瘦长
Long, skinny body



胸鳍小
Small pectoral fin

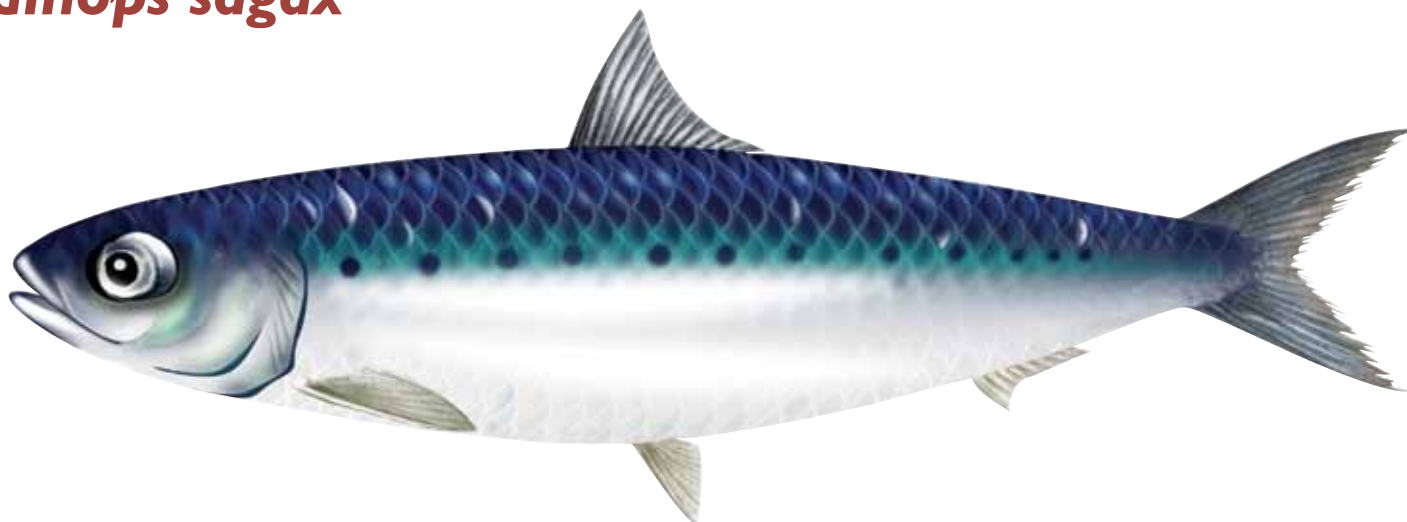
小鳍
Finlets

最大体长：45厘米
Maximum length: 45 cm

Chinese: 秋刀鱼
English: Pacific saury, Sanma
French: Balaou du Japon,
Balaou du Pacifique
Japanese: Sanma
Hawaiian: Sanma
Local:

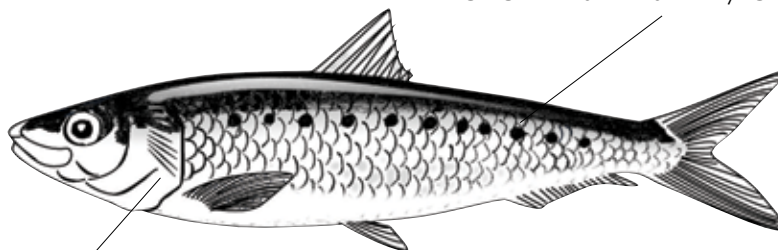
Sardinops sagax

CHP



Chinese: 南美拟沙丁鱼
English: South American pilchard
French: Pilchard du Pacifique, Pilchard sud-américain
Japanese: Ma-iwashi
Hawaiian: Makiawa, Sardine
Local:

侧线为十到十二个蓝黑至金色的圆点，有时很弱
Lateral series of ten to twenty dark bluish gold spots, sometimes very faint



鳃盖上有辐射的骨纹
Radiating bony striae on operculum

最大体长：25厘米
Maximum length: 25 cm

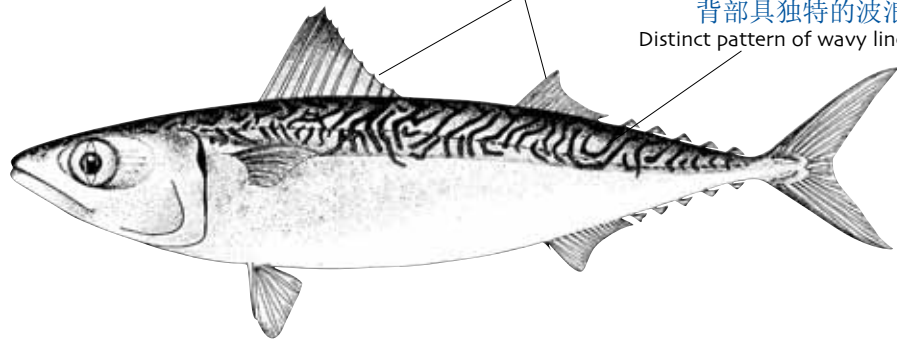
Scomber japonicus

MAS



两个背鳍远离
Dorsal fins widely separated

背部具独特的波浪线
Distinct pattern of wavy lines on back



最大体长：50厘米
Maximum length: 50 cm

Chinese: 日本鲈
English: Chub mackerel
French: Maquereau
espagnol
Japanese: Ma-saba
Hawaiian: Saba, Mackerel
Local:

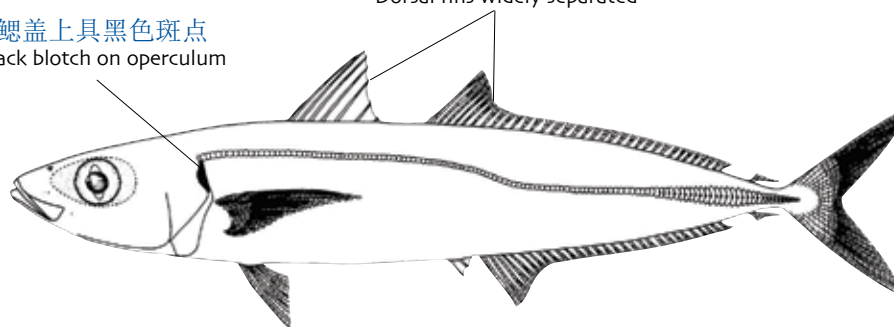
Decapterus macarellus

MSD



两个背鳍远离
Dorsal fins widely separated

鳃盖具黑色斑点
Black blotch on operculum



最大体长：40厘米
Maximum length: 40 cm

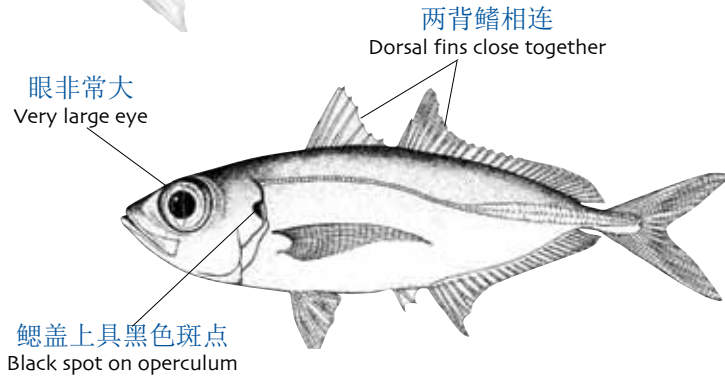
Chinese: 细鳞圆鲹
English: Mackerel scad
French: Comète maquereau
Japanese: Kusayamoro,
Muro aji
Hawaiian: Opelu, Opelu-mama
Local:

Selar crumenophthalmus

BIS



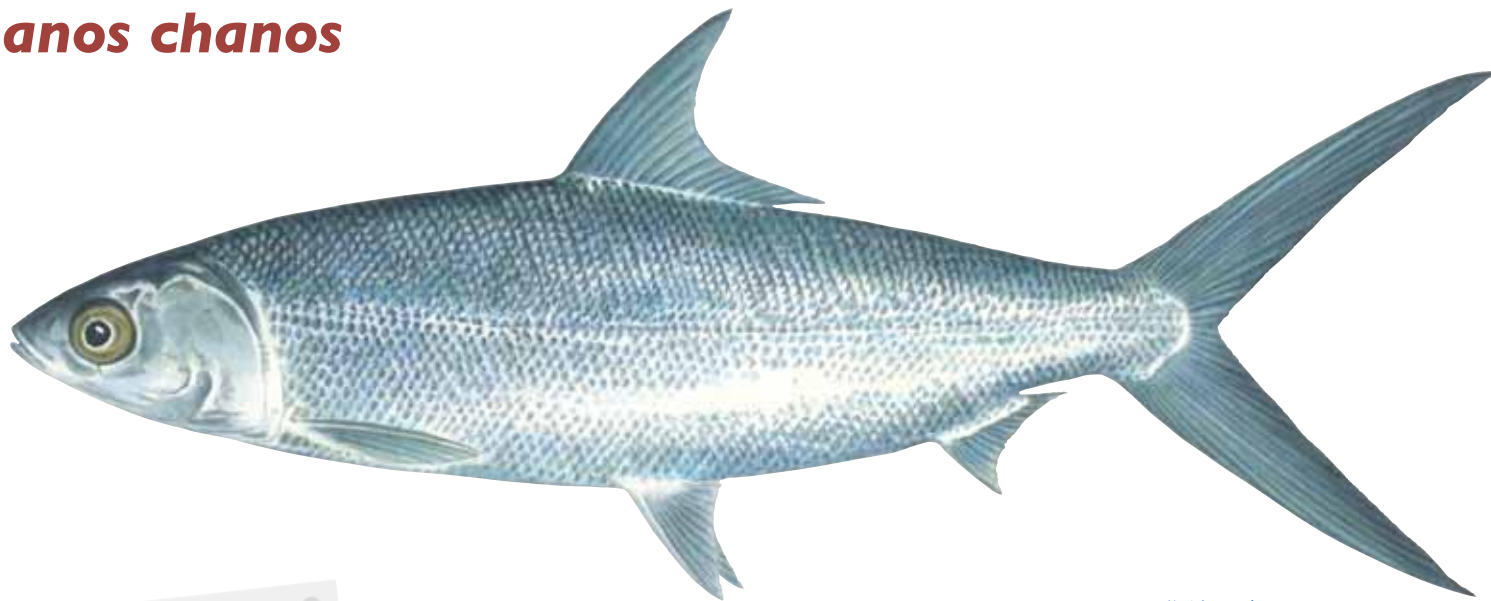
- Chinese: 脂眼凹肩鲹
- English: Bigeye scad
- French: Sélar coulisou
- Japanese: Me-aji
- Hawaiian: Akule (large), Halalu (medium), Pa'a'a (small)
- Local:



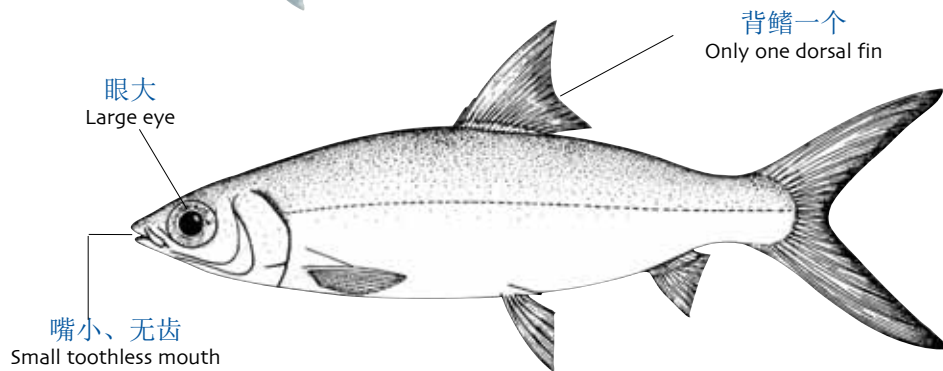
最大体长: 50厘米
Maximum length: 50 cm

Chanos chanos

MIL



Chinese: 遮目鱼
English: Milkfish
French: Chano, Poisson lait
Japanese: Sabahii, Miruku
Hawaiian: Awa
Local:

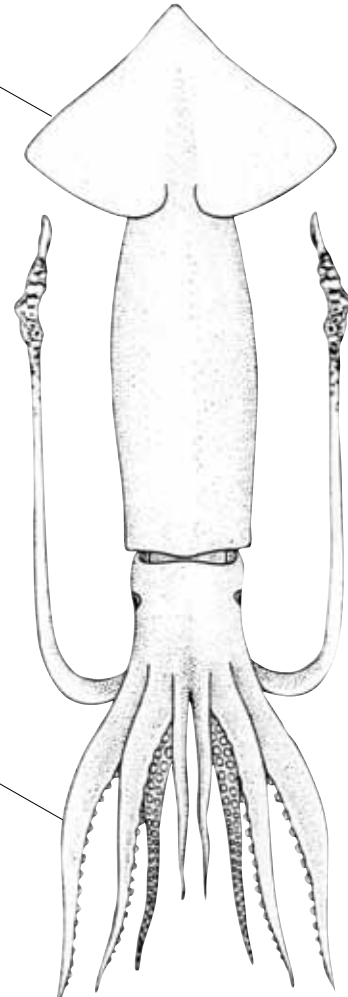
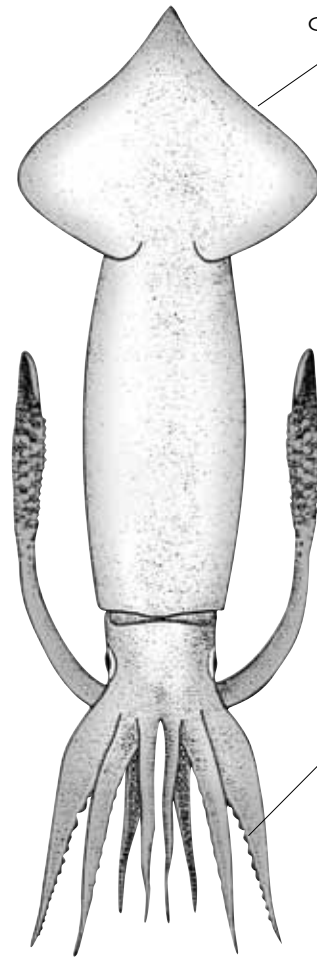


最大体长: 110厘米
Maximum length: 110 cm

Ommastrephidae

OMZ

体形独特
Characteristic body shape



触须
Tentacles

Chinese: 柔鱼科
English: Squid
French: Encornets
Japanese: Ika-ru
Hawaiian: Mu'hee, Ika, Squid
Local:

CPS
Secrétariat général
de la Communauté
du Pacifique



SPC
Secretariat
of the Pacific
Community



WESTERN
PACIFIC
REGIONAL
FISHERY
MANAGEMENT
COUNCIL



Australian Government

AusAID


nzaid



European Union
Union européenne