

COLLECTIONS OF THE MUSEU OCEANOGRÁFICO DO VALE DO ITAJAÍ.

I. CATALOG OF CARTILAGINOUS FISHES

(MYXINI, CEPHALASPIDOMORPHI, ELASMOBRANCHII, HOLOCEPHALI)

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The type and non-type specimens of extant cartilaginous fishes (hagfishes, lampreys, sharks, batoids, and chimaeras) collected through 2004 and catalogued in the collection of the Museu Oceanográfico do Vale do Itajaí (MOVI) are listed. Included in these records are 4,823 specimens in 1,538 lots representing 250 species. The MOVI collection of cartilaginous fishes contains 7 holotypes and 48 paratypes of 9 species. Most of the collection is composed of species from the Brazilian marine fauna, especially those from the southern region; a few lots were collected beyond Brazilian waters or are specimens donated by other institutions. This catalog is organized as two lists: taxonomic list of species and list of lots. The lists are arranged by class, order and family. Within families, taxa are arranged alphabetically by genus and then species. Information for each entry includes genus, species, author, year of publication, MOVI catalog number, number of specimens, nature of the material collected, sex, size range, location (ocean, country, state, county, coordinates, depth), vessel, collection method, collector, collection date, donor, donation date, identifier, and date of identification. Remarks pertaining to specimens contained within a lot are also included when necessary.

São listados os espécimes tipo e não tipo de peixes cartilaginosos (peixes-bruxa, lampréias, tubarões, raias e quimeras) coletados até 2004 e catalogados na coleção do Museu Oceanográfico do Vale do Itajaí (MOVI). Estão inclusos nestes registros 4823 espécimes em 1538 lotes, representando 250 espécies. A coleção de peixes cartilaginosos do MOVI contém 7 holótipos e 48 parátipos de 9 espécies. A maior parte da coleção é composta por espécies da fauna marinha brasileira, especialmente as da região sul; alguns poucos lotes foram coletados fora do Brasil ou doados por outras instituições. Este catálogo está organizado em duas listas: lista taxonômica de espécies e lista de lotes. As listas estão arranjadas por classe, ordem e família. Nas famílias, os taxa estão arranjados alfabeticamente por gênero e espécie. Cada lote contém informações sobre gênero, espécie, autor, ano de publicação, número de catálogo do MOVI, número de espécimes, tipo de material colecionado, sexo, intervalo de tamanho, localização (oceano, país, estado, município, coordenadas, profundidade), embarcação, método de coleta, coletor, data de coleta, doador, data de doação, determinador e data de determinação. Observações sobre espécimes contidos em um lote são também incluídas quando necessário.

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INTRODUCTION

This is the first in a numbered series of catalogs for specimens deposited in the collections of the Museu Oceanográfico do Vale do Itajaí (MOVI), Balneário Camboriú, Brazil. This volume contains information on the holdings of the extant cartilaginous fishes, including the hagfishes (Class Myxini), lampreys (Cephalaspidomorpha), sharks and batoids (Elasmobranchii), and chimaeras (Holocephali). Preparation of type catalogs for specimens curated within individual collections was encouraged by the International Commission on Zoological Nomenclature (ICZN) in Recommendation 72G(4) of the 1985 edition of the International Code of Zoological Nomenclature. Publication of lists of name-bearing types are a responsibility of those institutions holding type collections. In addition to the type specimens, we also listed in this catalog all specimens held in the collection, including those that formerly belonged to the MOVI collection but were later donated or exchanged with other institutions. This catalog is a valuable tool for both ichthyologists and those in the public that are interested in the systematics and biodiversity of the Brazilian fish fauna. Most of the collection is composed of species from the Brazilian marine fauna, especially from the southern region of Brazil, and a few lots contain specimens collected beyond Brazilian waters that were donated by other institutions.

THE FISH COLLECTION – The fish collection at MOVI is open to specialists wanting to examine specimens either directly at the Museum or at their respective institutions, in which case specimens can be provided through loans (except holotypes). We are also open to any proposal for exchange and donations of material. The collection contains specimens ranging in size from small embryos of only a few millimeters to large sharks of approximately 4 meters. When material enters into the fish collection, a series of laboratory procedures are initiated. All specimens are first fixed in formalin. Time of fixation depends on the size and weight of each specimen. After fixation in formalin, specimens are temporarily placed in water and then transferred to an aqueous solution of ethyl alcohol (70%). Small specimens are stored in glass jars (to 5 litres) or in plastic containers (to 200 litres). The largest specimens are stored in large fiberglass tanks ranging up to 3.5 meters in length (3,000 litres approximately). Available information associated with the specimens are entered into a computerized database. Each lot then receives a label containing a catalog number together with information on the family, species and elementary collection data.

BRIEF HISTORY OF THE COLLECTION – The nucleus of the present collection are the specimens formerly contained within the private collection of Jules M. R. Soto (JMRS collection) which represent specimens taken during activities begun in 1976. In 1987, the Centro de Estudos Bio-Ecológicos Costeiros, Limnológicos e Marinhos (CEBECLIM) was

founded as a non-government organization located in Porto Alegre county. Later (June 1990), the CEBECLIM created its Museu de Ciências Naturais (MCNC) into which the JMRS collection was transferred. On August 6, 1993, the annexation of the CEBECLIM to Universidade do Vale do Itajaí (UNIVALI) resulted in the creation of the Museu Oceanográfico do Vale do Itajaí (MOVI), which incorporated both JMRS and MCNC collections. Since this time, successive structural improvements to the MOVI collection have allowed MOVI to become a recognized center for the study of South American marine biodiversity. Participation of several volunteers, trainees, fishermen, on-board observers and researchers have been instrumental for the qualitative and quantitative growth of the collection. Holdings of the MOVI collection are still modest; however, with continued support, there is a promising future for this collection.

METHODS

This catalog includes all type and non-type specimens of cartilaginous fishes deposited in the collections of the Museu Oceanográfico do Vale do Itajaí through 2004. It contains 4,823 specimens in 1,538 lots representing 250 species, including 7 holotypes and 48 paratypes of 9 species. Representative data about diversity and number of specimens listed are shown in Table 1. Data about types specimens are summarized in Table 2. The catalog is organized as two lists: taxonomic list of species and list of lots. The lists are arranged by class, order and family, and, in general, the families are arranged in the order proposed in Eschmeyer (1998). Within families, taxa are arranged alphabetically by genus and then by species. Specific information on the kind of material contained in each lot is also indicated in the list. This information ranges from whole specimens (indicated as “specimens”) or as anatomical structures such as heads, jaws, fins, egg capsules, and others. A few lots are represented by photographic material or VHS images. Information for each entry is provided in three basic lines, as indicated by the following format:

Genus, species, author(s), year of publication.

FIRST LINE – MOVI catalog number, number of specimens (in parentheses), kind of material collected, sex, size range (total length TL, for hagfishes, lampreys and sharks; disc width DW, for batoids; and precaudal length PCL, for chimaeras). Type specimens are indicated with their type status after the catalog number.

SECOND LINE – ocean, country, state, county, coordinates, depth (in meters), vessel, collection method. Information for each catalog entry will always be arranged in this order, however complete data are not always available for each lot. Names of coastal Brazilian states are abbreviated (see list of abbreviations).

THIRD LINE – collector(s) *leg.*, collection date, donor(s) *don.*, donation date, identifier(s) *det.*, date of identification.

Additional remarks are included in a fourth line when necessary.

Table 1. Number of species, lots, and specimens of cartilaginous fishes deposited in the fish collection at MOVI.

Family	species	lots	specimens*
Myxinidae	30	80	183
Petromyzontidae	10	14	31
Geotriidae	1	2	2
Mordacidae	2	2	18
Hexanchidae	3	41	68
Chlamydoselachidae	1	1	1
Heterodontidae	2	2	3
Rhincodontidae	1	8	8
Hemiscylliidae	2	6	7
Stegostomatidae	1	2	2
Ginglymostomatidae	1	12	13
Odontaspidae	1	19	19
Mitsukurinidae	1	4	5
Pseudocarchariidae	1	2	2
Lamnidae	4	63	85
Cetorhinidae	1	4	4
Alopiidae	2	20	22
Scyliorhinidae	20	112	344
Proscylliidae	1	1	2
Pseudotriakidae	1	1	1
Triakidae	10	86	280
Carcharhinidae	23	252	1485
Sphyrnidae	6	66	287
Dalatiidae	23	87	281
Centrophoridae	3	13	14
Squalidae	7	142	602
Echinorhinidae	2	7	8
Squatinidae	4	41	51
Pristidae	3	7	8
Torpedinidae	7	23	37
Narcinidae	8	22	47
Rhinobatidae	6	25	34
Rajidae	25	170	583
Dasyatidae	10	83	138
Gymnuridae	3	10	12
Myliobatidae	13	77	88
Urolophidae	3	4	5
Potamotrygonidae	3	3	3
Callorhynchidae	1	9	16
Chimaeridae	4	15	24
Total	250	1538	4823

* Including anatomical structures, egg capsules, and photographs.

LIST OF ABBREVIATIONS

Measurements and specimen information

TL	Total length
DW	Disc width
PCL	Precaudal length
TLU	Total length undetermined
DWU	Disc width undetermined
PCU	Precaudal length undetermined
SU	Sex undetermined

Coastal Brazilian states

BA	Bahia
ES	Espírito Santo
PA	Pará
PB	Paraíba
PE	Pernambuco
PR	Paraná
RJ	Rio de Janeiro
RN	Rio Grande do Norte
RS	Rio Grande do Sul
SC	Santa Catarina
SP	São Paulo

Institutions

AMS	Australian Museum (Sydney, Australia)
AVG	Aquário Vasco da Gama (Dafundo, Portugal)
BSKU	Laboratory of Marine Biology, Faculty of Science, Kochi University (Kochi, Japan)
CAS	California Academy of Sciences (San Francisco, USA)
DZVU	Departamento de Zoología Vertebrados, Universidad de Uruguay (Montevideo, Uruguay)
FURG	Fundação Universidade Federal do Rio Grande (Rio Grande, Brazil)
HUMZ	Laboratory of Marine Zoology, Faculty of Fisheries, Hokkaido University (Sapporo, Japan)
IIPB	Instituto de Ciencias del Mar (Barcelona, Spain)
IPSP	Instituto de Pesca de São Paulo (Santos, Brazil)
ISH	Institut für Seefischerei (specimens at ZMH)
LACM	Natural History Museum of Los Angeles County (Los Angeles, USA)
LEAM	Laboratório de Elasmobrânquios e Aves Marinhas da FURG (Rio Grande, Brazil)
MCNC	Museu de Ciências Naturais do Cebeclim (Porto Alegre, Brazil)
MCP	Museu de Ciências e Tecnologia da PUCRS (Porto Alegre, Brazil)
MCTA	Museu el Cau del Tauró (L'Arboç, Spain)
MMSA	Museo Municipal de Ciencias Naturales y Arqueología de San Antonio (San Antonio, Chile)
MNHN	Muséum National d'Histoire Naturelle (Paris, France)
MOFURG	Museu Oceanográfico "Prof. Eliézer de C. Rios" (Rio Grande, Brazil)
MOVI	Museu Oceanográfico do Vale do Itajaí (Itajaí, Brazil)
MPEG	Museu Paraense "Emílio Goeldi" (Belém, Brazil)
MRSMB	Museo Regional Salesiano "Maggiorino Borgatello" (Punta Arenas, Chile)
MZUSP	Museu de Zoologia, Universidade de São Paulo (São Paulo, Brazil)

NMNZ	Te Papa Tongarewa Museum of New Zealand (Wellington, New Zealand)
NUPEC	Núcleo de Pesquisa e Estudo em Chondrichthyes (Santos, Brazil)
RUSI	South African Institute for Aquatic Biodiversity (Grahamstown, South Africa) (formerly JLB Smith Institute of Ichthyology)
SAMA	South Australian Museum (Adelaide, Australia)
SIO	Scripps Institution of Oceanography (La Jolla, USA)
SU	Stanford University (specimens at CAS)
UF	Florida State Museum (Gainesville, USA)
USNM	National Museum of Natural History (Washington, DC, USA)
ZIN	Zoological Institute of the Russian Academy of Sciences (St. Petersburg, Russia)
ZMH	Zoologisches Museum der Universität Hamburg (Hamburg, Germany)



Figure 3. Part of the MOVI fish collection.

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Figure 1. Jules M. R. Soto working on the CEBECLIM fish collection (later transferred to MOVI) in December 1989.



Figure 2. Michael M. Mincarone working on the MOVI hagfish collection in August 1997.

TAXONOMIC LIST OF SPECIES

Class MYXINI

Order MYXINIFORMES

Family MYXINIDAE

Eptatretus bischoffii (Schneider, 1880)
Eptatretus burgeri (Girard, 1854)
Eptatretus cirrhatus (Forster, 1801)
Eptatretus deani (Evermann & Goldsborough, 1907)
Eptatretus fritzi Wisner & McMillan, 1990
Eptatretus hexatrema (Müller 1836)
Eptatretus longipinnis Strahan, 1975
Eptatretus mconnaugheyi Wisner & McMillan, 1990
Eptatretus menezesi Mincarone, 2000
Eptatretus multidens Fernholm & Hubbs, 1981
Eptatretus okinoseanus (Dean, 1904)
Eptatretus polytrema Girard, 1855
Eptatretus profundus (Barnard, 1923)
Eptatretus sinus Wisner & McMillan, 1990
Eptatretus stoutii (Lockington 1878)
Myxine affinis Günther, 1870
Myxine australis Jenyns, 1842
Myxine capensis Regan, 1913
Myxine circifrons Garman, 1899
Myxine formosana Mok & Kuo, 2001
Myxine glutinosa Linnaeus, 1758
Myxine hubbsi Wisner & McMillan, 1995
Myxine limosa Girard, 1859
Myxine sotoi Mincarone, 2001
Myxine sp.
Nemamyxine krefftii McMillan & Wisner, 1982
Neomyxine biniplicata (Richardson & Jowett, 1951)
Paramyxine atami Dean, 1904
Paramyxine springeri Bigelow & Schroeder, 1952
Quadratus nelsoni (Kuo, Huang & Mok, 1994)
Quadratus yangi (Teng, 1958)

Class CEPHALASPIDOMORPHI

Order PETROMYZONTIFORMES

Family PETROMYZONTIDAE

Entosphenus lethophagus (Hubbs, 1971)
Entosphenus tridentatus (Gardner, 1836)
Eudontomyzon danfordi Regan, 1911
Ichthyomyzon bdellium (Jordan, 1885)
Lampetra ayresii (Günther, 1870)
Lampetra fluviatilis (Linnaeus, 1758)
Lampetra pacifica Vladykov, 1973
Lampetra planeri (Bloch, 1784)
Lethenteron japonicum (Martens, 1868)
Petromyzon marinus Linnaeus, 1758

Family GEOTRIIDAE

Geotria australis (Gray, 1851)

Family MORDACIIDAE

Mordacia lapicida (Gray, 1851)
Mordacia mordax (Richardson, 1846)

Class ELASMOBRANCHII

Order HEXANCHIFORMES

Family HEXANCHIDAE

Heptanchias perlo (Bonnaterre, 1788)
Hexanchus griseus (Bonnaterre, 1788)
Notorynchus cepedianus (Peron, 1807)

Family CHLAMYDOSELACHIDAE

Chlamydoselachus anguineus Garman, 1884

Order HETERODONTIFORMES

Family HETERODONTIDAE

Heterodontus francisci (Girard, 1865)
Heterodontus zebra (Gray, 1831)

Order ORECTOLOBIFORMES

Family RHINCODONTIDAE

Rhincodon typus Smith, 1829

Family HEMISCYLLIIDAE

Chiloscyllium griseum Müller & Henle, 1838
Chiloscyllium punctatum Müller & Henle, 1838

Family STEGOSTOMATIDAE

Stegostoma fasciatum (Hermann, 1783)

Family GINGLYMOSTOMATIDAE

Ginglymostoma cirratum (Bonnaterre, 1788)

Order LAMNIFORMES

Family ODONTASPIDIDAE

Carcharias taurus Rafinesque, 1810

Family MITSUKURINIDAE

Mitsukurina owstoni Jordan, 1898

Family PSEUDOCARCHARIIDAE

Pseudocarcharias kamoharai (Matsubara, 1936)

Family LAMNIDAE

Carcharodon carcharias (Linnaeus, 1758)
Isurus oxyrinchus Rafinesque, 1809
Isurus paucus Guitart Manday, 1966
Lamna nasus (Bonnaterre, 1788)

Family CETORHINIDAE

Cetorhinus maximus (Gunnerus, 1765)

Family ALOPIIDAE

Alopias superciliosus (Lowe, 1839)
Alopias vulpinus (Bonnaterre, 1788)

Order CARCHARHINIFORMES

Family SCYLIORHINIDAE

Apristurus brunneus (Gilbert, 1892)
Atelomycterus marmoratus (Bennett, 1830)
Bythaelurus canescens (Günther, 1878)
Galeus arae Springer, 1966
Galeus melastomus Rafinesque, 1810

Galeus mincaronei Soto, 2001
Galeus polli Cadenat, 1959
Haploblepharus edwardsii (Woigt, 1832)
Holohalaelurus regani (Gilchrist, 1922)
Parmaturus xaniurus (Gilbert, 1892)
Schroederichthys bivius (Smith, 1838)
Schroederichthys chilensis (Guichenot, 1848)
Schroederichthys maculatus Springer, 1966
Schroederichthys saurissqualus Soto, 2001
Scyliorhinus canicula (Linnaeus, 1758)
Scyliorhinus haeckelii (Miranda-Ribeiro, 1907)
Scyliorhinus stellaris (Linnaeus, 1758)
Scyliorhinus retifer (Garman, 1881)
Scyliorhinus sp. A
Scyliorhinus sp. B

Family PROSCYLLIIDAE

Eridacnis radcliffei Smith, 1913

Family PSEUDOTRIAKIDAE

Pseudotriakis microdon Brito Capello, 1867

Family TRIAKIDAE

Galeorhinus galeus (Linnaeus, 1758)
Mustelus asterias Cloquet, 1821
Mustelus californicus Gill, 1864
Mustelus canis (Mitchill, 1815)
Mustelus fasciatus (Garman, 1913)
Mustelus henlei (Gill, 1863)
Mustelus higmani Springer & Lowe, 1963
Mustelus norrisi Springer, 1940
Mustelus schmitti Springer, 1939
Triakis scyllium Müller & Henle, 1839

Family CARCHARHINIDAE

Carcharhinus brachyurus (Günther, 1870)
Carcharhinus brevipinna (Müller & Henle, 1839)
Carcharhinus falciformis (Müller & Henle, 1839)
Carcharhinus galapagensis (Snodgrass & Heller, 1905)
Carcharhinus leucas (Valenciennes, 1839)
Carcharhinus limbatus (Valenciennes, 1839)
Carcharhinus longimanus (Poey, 1861)
Carcharhinus melanopterus (Quoy & Gaimard, 1824)
Carcharhinus obscurus (LeSueur, 1818)
Carcharhinus perezi (Poey, 1876)
Carcharhinus plumbeus (Nardo, 1827)
Carcharhinus porosus (Ranzani, 1840)
Carcharhinus signatus (Poey, 1868)
Galeocerdo cuvier (Peron & LeSueur, 1822)
Isogomphodon oxyrhynchus (Müller & Henle, 1839)
Negaprion brevirostris (Poey, 1868)
Prionace glauca (Linnaeus, 1758)
Rhizoprionodon acutus (Rüppell, 1837)
Rhizoprionodon lalandii (Müller & Henle, 1839)
Rhizoprionodon longurio (Jordan & Gilbert, 1882)
Rhizoprionodon porosus (Poey, 1861)
Scoliodon laticaudus Müller & Henle, 1838
Triaenodon obesus (Rüppell, 1837)

Family SPHYRNIDAE

Sphyrna lewini (Griffith & Smith, 1834)
Sphyrna media Springer, 1940
Sphyrna mokarran (Rüppell, 1837)
Sphyrna tiburo (Linnaeus, 1758)
Sphyrna tudes (Valenciennes, 1822)
Sphyrna zygaena (Linnaeus, 1758)

Order SQUALIFORMES

Family DALATIIDAE

Centroscyllium fabricii (Reinhardt, 1825)
Centroscyrnus coelolepis Bocage & Capello, 1864
Centroscyrnus owstonii Garman, 1906
Dalatias licha (Bonnaterre, 1788)
Etmopterus bigelowi Shirai & Tachikawa, 1993
Etmopterus bullisi Bigelow & Schroeder, 1957
Etmopterus gracilispinis Krefft, 1968
Etmopterus granulosus (Günther, 1880)
Etmopterus hillianus (Poey, 1861)
Etmopterus lucifer Jordan & Snyder, 1902
Etmopterus pusillus (Lowe, 1839)
Etmopterus schultzi Bigelow, Schroeder & Springer, 1953
Etmopterus spinax (Linnaeus, 1758)
Etmopterus virens Bigelow, Schroeder & Springer, 1953
Isistius brasiliensis (Quoy & Gaimard, 1824)
Isistius plutodus Garrick & Springer, 1964
Oxynotus centrina (Linnaeus, 1758)
Oxynotus paradoxus Frade, 1929
Scymnodon obscurus (Vaillant, 1888)
Scymnodon ringens Bocage & Capello, 1864
Somniosus rostratus (Risso, 1826)
Somniosus sp.
Squaliolus laticaudus Smith & Radcliffe, 1912

Family CENTROPHORIDAE

Centrophorus granulosus (Bloch & Schneider, 1801)
Centrophorus squamosus (Bonnaterre, 1788)
Deania calcea (Lowe, 1839)

Family SQUALIDAE

Cirrhigaleus asper (Merrett, 1973)
Squalus acanthias Linnaeus, 1758
Squalus blainville (Risso, 1827)
Squalus cubensis Howell-Rivero, 1936
Squalus megalops (Macleay, 1881)
Squalus sp. A
Squalus sp. B

Family ECHINORHINIDAE

Echinorhinus brucus (Bonnaterre, 1788)
Echinorhinus cookei Pietschmann, 1928

Order SQUATINIFORMES

Family SQUATINIDAE

Squatina argentina (Marini, 1930)
Squatina californica Ayres, 1859
Squatina guggenheim Marini, 1936
Squatina punctata Marini, 1936

Order PRISTIFORMES

Family PRISTIDAE

Anoxypristis cuspidata (Latham, 1794)

Pristis pectinata Latham, 1794

Pristis pristis (Linnaeus, 1758)

Order TORPEDINIFORMES

Family TORPEDINIDAE

Torpedo californica Ayres, 1855

Torpedo fuscomaculata Peters, 1855

Torpedo marmorata Risso, 1810

Torpedo nobiliana Bonaparte, 1835

Torpedo puelcha Lahille, 1926

Torpedo torpedo (Linnaeus, 1758)

Torpedo tremens de Buen, 1959

Family NARCINIDAE

Benthobatis krefftii Rincon, Stehmann & Vooren, 2001

Benthobatis marcida Bean & Weed, 1909

Diplobatis ommata (Jordan & Gilbert, 1890)

Diplobatis pictus Palmer, 1950

Discopyge tschudii (Heckel, 1845)

Narcine brasiliensis (Olfers, 1831)

Narcine brunnea Annandale, 1909

Narcine timlei (Bloch & Schneider, 1801)

Order RAJIFORMES

Family RHINOBATIDAE

Rhinobatos horkelii Müller & Henle, 1841

Rhinobatos lentiginosus Garman, 1880

Rhinobatos percellens (Walbaum, 1792)

Rhinobatos productus Ayres, 1854

Zapteryx brevirostris (Müller & Henle, 1841)

Zapteryx exasperata (Jordan & Gilbert, 1880)

Family RAJIDAE

Atlantoraja castelnaui (Miranda Ribeiro, 1907)

Atlantoraja cyclophora (Regan, 1903)

Atlantoraja platana (Günther, 1880)

Bathyraja sp.

Dactylobatus clarkii (Bigelow & Schroeder, 1958)

Dipturus diehli Soto & Mincarone, 2001

Dipturus leptocauda (Krefft & Stehmann, 1975)

Dipturus sp.

Gurgesiella atlantica (Bigelow & Schroeder, 1962)

Gurgesiella dorsalifera McEachran & Compagno, 1980

Malacoraja spinacidermis (Barnard, 1923)

Okamejei kenojei (Müller & Henle, 1841)

Psammobatis bergi Marini, 1932

Psammobatis extenta (Garman, 1913)

Psammobatis lentiginosa McEachran, 1983

Psammobatis rutrum Jordan, 1891

Psammobatis sp.

Raja asterias Delaroche, 1809

Raja binoculata Girard, 1855

Raja clavata Linnaeus, 1758

Raja inornata Jordan & Gilbert, 1881

Raja straeleni Poll, 1951

Rajella leopardus (von Bonde & Swart, 1923)

Rioraja agassizii (Müller & Henle, 1841)

Sympterygia acuta Garman, 1877

Sympterygia bonapartii Müller & Henle, 1841

Family DASYATIDAE

Dasyatis americana Hildebrand & Schroeder, 1928

Dasyatis centroura (Mitchill, 1815)

Dasyatis geijskesi Boeseman, 1948

Dasyatis guttata (Bloch & Schneider, 1801)

Dasyatis marianae Gomes, Rosa & Gadig, 2000

Dasyatis say (LeSueur, 1817)

Dasyatis zugei (Müller & Henle, 1841)

Himantura imbricata (Bloch & Schneider, 1801)

Pteroplatytrygon violacea (Bonaparte, 1832)

Taeniura lymma (Forsskål, 1775)

Family GYMNURIDAE

Gymnura altavela (Linnaeus, 1758)

Gymnura marmorata (Cooper, 1864)

Gymnura micrura (Bloch & Schneider, 1801)

Family MYLIOBATIDAE

Aetobatus narinari (Euphrasen, 1790)

Manta birostris (Walbaum, 1792)

Mobula japanica (Müller & Henle, 1841)

Mobula tarapacana (Philippi, 1893)

Mobula thurstoni (Lloyd, 1908)

Myliobatis aquila (Linnaeus, 1758)

Myliobatis californica Gill, 1865

Myliobatis freminvillii LeSueur, 1824

Myliobatis goodei Garman, 1885

Myliobatis sp.

Pteromylaeus bovinus (Geoffroy Saint-Hilaire, 1817)

Rhinoptera bonasus (Mitchill, 1815)

Rhinoptera brasiliensis Müller, 1836

Family UROLOPHIDAE

Urotrygon aspidura (Jordan & Gilbert, 1882)

Urotrygon microphthalmum Delsman, 1941

Urobatis jamaicensis (Cuvier, 1816)

Family POTAMOTRYGONIDAE

Potamotrygon brachyura (Günther, 1880)

Potamotrygon henlei (Castelnau, 1855)

Potamotrygon hystrix (Müller & Henle, 1834)

Class HOLOCEPHALI

Order CHIMAERIFORMES

Family CALLORHINCHIDAE

Callorhynchus callorynchus (Linnaeus, 1758)

Family CHIMAERIDAE

Chimaera monstrosa Linnaeus, 1758

Hydrolagus alberti Bigelow & Schroeder, 1951

Hydrolagus collieri (Lay & Bennett, 1839)

Hydrolagus matallanasi Soto & Vooren, 2004

LIST OF LOTS

Class MYXINI
Order MYXINIFORMES
Family MYXINIDAE

***Eptatretus bischoffii* (Schneider, 1880)**

- MOVI 03580–03581 (2) specimens, 1 ♂ (497 mm TL) and 1 ♀ (434 mm TL)
South Pacific, Chile, Algarrobo, 33°21'30"S, 71°40'W, 12 m, hand line
J.M.R. Soto & J.L. Brito-M. *leg.*, 04.iii.1994, J.M.R. Soto *don.*, 04.iii.1994, M.M. Mincarone *det.*, 28.vii.1997
- MOVI 27520–27521 (formerly SIO 65–673) (2) specimens, ♂ (200–290 mm TL)
South Pacific, Chile, Valparaiso Harbor, 33°02.0'S, 71°38.0'W, 30 ft [9.12 m], RV "Anton Bruun", trap
W. Daldwin & D. Dockins *leg.*, 24.xii.1965, P.A. Hastings & H.J. Walker Jr. *don.*, 16.x.2002, R.L. Wisner *det.*, 1987

***Eptatretus burgeri* (Girard, 1854)**

- MOVI 16709 (1) specimen, ♂ (359 mm TL)
Indo-Pacific, Taiwan, 25°13'00"N, 121°44'58"E, 90–100 m
anonymous *leg.*, 28.iii.1990, H.-K. Mok *don.*, 17.v.2001, H.-K. Mok *det.*, 17.v.2001
- MOVI 33993 (formerly BSKU uncat.) (1) specimen, SU (TLU)
North Pacific, Japan, Kochi Pref., Kamikawaguchi fish market
anonymous *leg.*, 31.vii.1997, H. Endo *don.*, 06.iv.2004, M.M. Mincarone *det.*, 29.iv.2004
- MOVI 33994 (formerly BSKU uncat.) (1) specimen, SU (TLU)
North Pacific, Japan, Tosa Bay
anonymous *leg.*, date unknown, H. Endo *don.*, 06.iv.2004, M.M. Mincarone *det.*, 29.iv.2004
- MOVI 36929 (formerly USNM 45218) (1) specimen, SU (318 mm TL)
North Pacific, Korea, Fusan
P. Jouy *leg.*, date unknown, J.T. Williams *don.*, 12.v.2004, M.M. Mincarone *det.*, 24.v.2004
Remarks: original lot with 3 specimens.

***Eptatretus cirrhatus* (Forster, 1801)**

- MOVI 27797 (formerly NMNZ P. 23404) (1) specimen, SU (460 mm TL)
South Pacific, New Zealand, Matakaoa, East Cape, North Island, Gisborne, 37°34.00'S, 178°20.00'E, 17 m, rotenone
G.S. Hardy *leg.*, 28.vi.1988, A. Stewart & C. Roberts *don.*, 10.ii.2003, M.M. Mincarone *det.*, 24.ii.2003
- MOVI 27798 (formerly NMNZ P. 10211) (1) specimen, ♀ (620 mm TL)
South Pacific, New Zealand, North Island, Bay of Plenty, 11 km NW of Mayor Island, 37°11.50'S, 176°10.00'E–37°10.50'S,
176°11.50'E, 190–265 m, RV "Tangaroa", trawl
anonymous *leg.*, 22.i.1979, A. Stewart & C. Roberts *don.*, 10.ii.2003, M.M. Mincarone *det.*, 24.ii.2003

***Eptatretus deani* (Evermann & Goldsborough, 1907)**

- MOVI 27530–27533 (formerly SIO 86–31) (4) specimens, ♀ (315–410 mm TL)
North Pacific, California, 34°33.3'N, 121°06.8'W, 497–503 fm [909–920 m], RV "David Starr Jordan", bottom trawl
R. Snodgrass *leg.*, 06.iii.1986, P.A. Hastings & H.J. Walker Jr. *don.*, 16.x.2002, D. Gibson *det.*, 02.vi.1986
- MOVI 30908–30911 (formerly SU 28782) (4) specimens, SU (332–432 mm TL)
North Pacific, USA, California, San Diego, off Point Loma, USS "Albatross"
anonymous *leg.* (U.S. Fish Commission), 09.iii.1904, T. Iwamoto *don.*, 02.xii.2003, C.L. Hubbs *det.*, 10.xi.1970
- MOVI 30912–30917 (formerly CAS 214879) (6) specimens, SU (268–384 mm TL)
North Pacific, USA, California, off Point Sur, 600 m
anonymous *leg.*, 01.x.1984, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Eptatretus fritz* Wisner & McMillan, 1990**

- MOVI 27528–27529 (formerly SIO 68–664) [PARATYPES] (2), specimens, ♀ (410–510 mm TL)

North Pacific, Mexico, coast of Guadalupe Island, 29°06.5'N, 118°23.5'W, 100 fm [183 m], RV "Velero IV"
R. McConnaughey *leg.*, 15–16.xi.1968, P.A. Hastings & H.J. Walker Jr. *don.*, 16.x.2002, R.L. Wisner *det.*, 1990
Remarks: Holotype catalogued as SIO 66–26. Additional paratypes are catalogued as CAS 63201 (15), LACM 44407–1 (15), SIO 66–26 (30), SIO 63–177 (20), SIO 66–22 (36), SIO 66–23 (195), SIO 66–36 (2), SIO 67–60 (120), SIO 72–294 (4), and USNM 296318 (15).

***Eptatretus hexatrema* (Müller 1836)**

MOVI 27540 (formerly RUSI 63619) (1) specimen, ♀ (768 mm TL)
South Atlantic, South Africa, coast of Port Nolloth, Orange Shelf
anonymous *leg.*, 19.vii.2001, M.E. Anderson & V. Mthombeni *don.*, 09.x.2002, M.M. Mincarone *det.*, 17.ii.2003

***Eptatretus longipinnis* Strahan, 1975**

MOVI 31063 (formerly SAMA F7540) (1) specimen, SU (627 mm TL)
Indian, Australia, SE of South Australia, out of Port MacDonnell
G. Millstead *leg.*, 03.iii.1994, R. Foster *don.*, 12.xii.2003, M.M. Mincarone *det.*, 12.xii.2003

***Eptatretus mcconnaugheyi* Wisner & McMillan, 1990**

MOVI 27522–27523 (formerly SIO 69–181) (2) specimens, 1 ♀ (285 mm TL) and 1 SU (135 mm TL)
North Pacific, coast of La Jolla, 32°51'40–46"N, 117°19'18–19"W, 40–100 fm [73–183 m], MV "Miss Behavior", trap
R. Green *leg.*, 31.i.1969, P.A. Hastings & H.J. Walker Jr. *don.*, 16.x.2002, R.L. Wisner *det.*, 07.v.1990

***Eptatretus menezesi* Mincarone, 2000**

MOVI 05056 (1) specimen, ♀ (680 mm TL)
South Atlantic, Brazil, RS, off Santa Vitória do Palmar, 34°22'35"S, 51°59'28"W, 250 m, FV "Iporanga", trap
J. Ramos & V.M. Inêz *leg.*, 06.vii.1995, V.M. Inêz *don.*, 04.viii.1995, M.M. Mincarone *det.*, 20.viii.1997

MOVI 06081 [PARATYPE] (1) specimen, ♂ (490 mm TL)
South Atlantic, Brazil, SC, 28°34'49"S, 47°01'32"W, 490 m, RV "Diadorim", trap
anonymous *leg.*, 10.xii.1996, J.L. Figueiredo *don.*, 14.viii.1998, M.M. Mincarone *det.*, 20.viii.1997

MOVI 06084 [PARATYPE] (1) specimen, ♀ (496 mm TL)
South Atlantic, Brazil, SC, 28°26'04"S, 46°56'50"W, 530 m, RV "Diadorim", trap
anonymous *leg.*, 11.xii.1996, J.L. Figueiredo *don.*, 14.viii.1998, M.M. Mincarone *det.*, 20.viii.1997

MOVI 13344–13346 (3) specimens, ♀ (286–363 mm TL)
South Atlantic, Brazil, SC, 29°18'52"S, 47°52'30"W, 490 m, RV "Diadorim", trap
anonymous *leg.*, 23.iv.1997, J.L. Figueiredo *don.*, 14.viii.1998, M.M. Mincarone *det.*, 03.xii.1997

MOVI 13347 [PARATYPE] (1) specimen, ♀ (613 mm TL)
South Atlantic, Brazil, SC, 29°37'42"S, 48°00'30"W, 380 m, RV "Diadorim", trap
anonymous *leg.*, 27.iv.1997, J.L. Figueiredo *don.*, 14.viii.1998, M.M. Mincarone *det.*, 03.xii.1997

MOVI 13348 (1) specimen, ♀ (376 mm TL)
South Atlantic, Brazil, SC, 29°37'42"S, 48°00'30"W, 380 m, RV "Diadorim", trap
anonymous *leg.*, 27.iv.1997, J.L. Figueiredo *don.*, 14.viii.1998, M.M. Mincarone *det.*, 03.xii.1997

MOVI 13349 [PARATYPE] (1) specimen, ♂ (520 mm TL)
South Atlantic, Brazil, RJ, 24°09'19"S, 43°14'13"W, 510 m, RV "Prof. W. Besnard", trap
anonymous *leg.*, 06.xii.1997, C.L.D.B. Rossi-Wongtschowski *don.*, 02.vi.1998, M.M. Mincarone *det.*, 02.vi.1998

MOVI 13350 (1) specimens, ♀ (483 mm TL)
South Atlantic, Brazil, RJ, 24°09'19"S, 43°14'13"W, 510 m, RV "Prof. W. Besnard", trap
anonymous *leg.*, 06.xii.1997, C.L.D.B. Rossi-Wongtschowski *don.*, 02.vi.1998, M.M. Mincarone *det.*, 02.vi.1998

MOVI 14729 [HOLOTYPE] (1) specimen, ♀ (737 mm TL)
South Atlantic, Brazil, SC, 29°14'S, 48°02'W, 250 m, FV "Margus II", bottom longline
A.B. Santos *leg.*, 31.vii.1998, A.B. Santos *don.*, 05.viii.1998, M.M. Mincarone *det.*, 05.viii.1998
Remarks: additional paratypes are catalogued as MCP 21156 (1), MZUSP 51418 (1), MZUSP 51419 (1), MZUSP 51422 (1), and MZUSP 52492 (2).

- MOVI 14730 [PARATYPE] (1) specimen, ♀ (616 mm TL)
South Atlantic, Brazil, SC, 29°14'S, 48°02'W, 250 m, FV "Margus II", bottom longline
A.B. Santos *leg.*, 31.vii.1998, A.B. Santos *don.*, 05.viii.1998, M.M. Mincarone *det.*, 05.viii.1998
- MOVI 15770–15782 (13) eggs (34–39 mm TL)
South Atlantic, Brazil, SC, 29°37'42"S, 48°00'30"W, 380 m, RV "Diadorim", trap
anonymous *leg.*, 27.iv.1997, J.L. Figueiredo *don.*, 14.viii.1998, M.M. Mincarone *det.*, 03.xii.1997
Remarks: taken from a 572 mm TL female (MZUSP 52493)
- MOVI 16653 (1) egg (39 x 13 mm)
South Atlantic, Brazil, ES, 19°S, 38°W, approx. 500 m, bottom longline
anonymous *leg.*, iii.1997, U.L. Gomes & O.B.F. Gadig *don.*, 15.i.2001, M.M. Mincarone *det.*, 15.i.2001
Remarks: taken from the stomach content of *Scyliorhinus* sp., DBAV.UERJ 1895, ♂ (430 mm TL)
- MOVI 17333 (1) specimen, ♂ (900 mm TL, 1165 g)
South Atlantic, Brazil, RS, 32°38'20"S, 50°20'51"W, 340 m, FV "Saga de Thor", bottom trawl
M.V. Kitahara *leg.*, 28.v.2001, M.V. Kitahara *don.*, 05.vi.2001, M.M. Mincarone *det.*, 06.vii.2001
- MOVI 17334 (1) specimen, ♂ (705 mm TL, 775 g)
South Atlantic, Brazil, RS, 32°27'24"S, 50°15'25"W, 300 m, FV "Saga de Thor", bottom trawl
M.V. Kitahara *leg.*, 01.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, M.M. Mincarone *det.*, 06.vii.2001
- MOVI 17335 (1) specimen, ♀ (816 mm TL, 1465 g)
South Atlantic, Brazil, RS, 32°50'43"S, 50°24'53"W, 400 m, FV "Saga de Thor", bottom trawl
M.V. Kitahara *leg.*, 04.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, M.M. Mincarone *det.*, 06.vii.2001
- MOVI 20239 (1) specimen, ♀ (463 mm TL)
South Atlantic, Brazil, RS, 34°37.43'S, 51°53.57'W, 600 m, FV "Kinpo Maru 58", trap
C.M. Lima-Silva *leg.*, 18.i.2002, C.M. Lima-Silva *don.*, 02.ii.2002, M.M. Mincarone *det.*, 02.ii.2002
- MOVI 22672–22675 (4) specimens, ♀ (596–668 mm TL)
South Atlantic, Brazil, RS, 32°27.085'S, 50°12.249'W, 400 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, M.M. Mincarone *det.*, 25.v.2002
Remarks: two specimens (596–645 mm TL) donated to SIO.
- MOVI 22676–22678 (3) specimens, 1 ♂ (480 mm TL) and 2 ♀ (692–760 mm TL)
South Atlantic, Brazil, RS, 32°35.515'S, 50°19.200'W, 380 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 07.v.2002, C.E.N. Consulim *don.*, 23.v.2002, M.M. Mincarone *det.*, 25.v.2002
- MOVI 23041–23043 (3) specimens, 2 ♂ (685–725 mm TL) and 1 ♀ (860 mm TL)
South Atlantic, Brazil, RS, 32°27.085'S, 50°12.249'W, 400 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 03.vii.2002
- MOVI 24460–24467 (8) specimens, ♀ (535–720 mm TL)
South Atlantic, Brazil, RS, 32°47.738'S, 50°23.878'W, 370–392 m, FV "Saga de Viking", bottom trawl
M.B. Souza-Filho *leg.*, 29.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, M.M. Mincarone *det.*, 22.viii.2002
Remarks: two specimens (565–690 mm TL) donated to RUSI.
- MOVI 24468–24470 (3) specimens, 1 ♂ (666 mm TL) and 2 ♀ (669–834 mm TL)
South Atlantic, Brazil, RS, 32°46.539'S, 50°23.572'W, 383–388 m, FV "Saga de Viking", bottom trawl
M.B. Souza-Filho *leg.*, 29.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, M.M. Mincarone *det.*, 22.viii.2002
- MOVI 24471–24472 (2) specimens, 1 ♂ (692 mm TL) and 1 ♀ (717 mm TL)
South Atlantic, Brazil, RS, 32°58.874'S, 50°25.739'W, 386–389 m, FV "Saga de Viking", bottom trawl
M.B. Souza-Filho *leg.*, 03.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, M.M. Mincarone *det.*, 22.viii.2002
- MOVI 24473–24474 (2) specimens, 1 ♂ (576 mm TL) and 1 ♀ (801 mm TL)
South Atlantic, Brazil, RS, 32°51.203'S, 50°24.002'W, 405–406 m, FV "Saga de Viking", bottom trawl
M.B. Souza-Filho *leg.*, 04.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, M.M. Mincarone *det.*, 22.viii.2002
- MOVI 24475 (1) specimen, ♀ (660 mm TL)
South Atlantic, Brazil, RS, 32°41.175'S, 50°21.394'W, 370–387 m, FV "Saga de Viking", bottom trawl
M.B. Souza-Filho *leg.*, 31.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, M.M. Mincarone *det.*, 22.viii.2002

MOVI 24476 (1) specimen, ♀ (710 mm TL)

South Atlantic, Brazil, RS, 32°46.648'S, 50°24.011'W, 350–375 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 03.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, M.M. Mincarone *det.*, 22.viii.2002

MOVI 24538 (1) specimen, SU (450 mm TL)

South Atlantic, Brazil, SC, 27°17.66'S, 47°03.38'W, 340 m
A.R. Voos *leg.*, 23.vii.2001, P.R. Schwingel *don.*, 25.vii.2002, M.M. Mincarone *det.*, 22.viii.2002

***Eptatretus multidentis* Fernholm & Hubbs, 1981**

MOVI 24539–24540 (2) specimens, 1 SU (691 mm TL) and 1 ♀ (750 mm TL)

South Atlantic, Brazil, PB, 07°13.530'S, 34°26.652'W, 423–437 m, RV “Natureza”, trap
N. Matsui & E. Cabral *leg.*, 29.xi.2001, C.L.S. Sampaio *don.*, 07.v.2002, M.M. Mincarone *det.*, 07.v.2002

MOVI 25349–25350 (2) specimens, ♀ (731–815 mm TL)

South Atlantic, Brazil, 06°39.521'S, 34°41.766'W, 340–530 m, RV “Natureza”, trap
N. Matsui & E. Cabral *leg.*, 27.xi.2001, C.L.S. Sampaio *don.*, 07.v.2002, M.M. Mincarone *det.*, 07.v.2002

MOVI 25351–25353 (3) specimens, 1 ♂ (571 mm TL), 1 ♀ (642 mm TL) and 1 SU (768 mm TL)

South Atlantic, Brazil, 04°35.221'S, 36°50.169'W, 239–354, RV “Natureza”, trap
N. Matsui & E. Cabral *leg.*, 11.xi.2001, C.L.S. Sampaio *don.*, 07.v.2002, M.M. Mincarone *det.*, 07.v.2002

***Eptatretus okinoseanus* (Dean, 1904)**

MOVI 37392 (formerly BSKU 51886) (1) specimen, SU (519 mm TL)

North Pacific, Japan, Kochi, Mimase fish market, trawl
anonymous *leg.*, 01.iii.2000, H. Endo *don.*, 06.iv.2004, M.M. Mincarone *det.*, 29.iv.2004

***Eptatretus polytrema* Girard, 1855**

MOVI 30906–30907 (formerly CAS 56511) (2) specimens, SU (367–422 mm TL)

South Pacific, Chile, 33°22'S, 71°53'W, 240–260 m, RV “Anton Bruun”, shrimp trawl
L.W. Knapp *leg.*, 01.viii.1966, T. Iwamoto *don.*, 02.xii.2003, R.L. Wisner & C.B. McMillan *det.*, 1988

***Eptatretus profundus* (Barnard, 1923)**

MOVI 27536 (formerly RUSI 47239) (1) specimen, ♀ (576 mm TL)

South Atlantic, South Africa, Western Cape, south of Cape Agulhas, 35°58'S, 19°34'E
M.E. Anderson *leg.*, 08.i.1995, M.E. Anderson & V. Mthombeni *don.*, 09.x.2002, M.M. Mincarone *det.*, 17.ii.2003

***Eptatretus sinus* Wisner & McMillan, 1990**

MOVI 27517–27519 (formerly SIO 62–240) (3) specimens, ♀ (258–366 mm TL)

North Pacific, Baja California, Cabeza de Caballo Island, 28°59.0'N, 113°28.7'W, 419 ft [127 m], trap
C.L. Hubbs *et. al. leg.*, 28.iv.1962, P.A. Hastings & H.J. Walker Jr. *don.*, 16.x.2002, R.L. Wisner *det.*, 07.v.1990

***Eptatretus stoutii* (Lockington 1878)**

MOVI 27524–27526 (formerly SIO 69–231) (3) specimens, ♀ (340–395 mm TL)

North Pacific, Coronado Island, 32°32.8'N, 117°21.8'W, 76 fm [139 m]
anonymous *leg.*, date unknown, P.A. Hastings & H.J. Walker Jr. *don.*, 16.x.2002, D. F. Hoese *det.*, 27.iv.1969

MOVI 30918–30922 (formerly CAS 218659) (5) specimens, SU (390–427 mm TL)

North Pacific, USA, California, 0.9 miles southwest of Gull Island, 33°56.6'N, 119°50.5'W, 145 fm [265 m], NB “Scofield”, prawn trap
W. Dahlstrom *leg.*, 04.iv.1969, T. Iwamoto *don.*, 02.xii.2003, C.L. Hubbs *det.*, 03.ix.1969

MOVI 30923–30926 (formerly CAS 218657) (4) specimens, SU (332–438 mm TL)

North Pacific, USA, California, 4.0 miles SSW of west end of Anacapa Island, 33°57'24"N, 119°29'42"W, 130 fm [238 m], NB “Scofield”, prawn trap
anonymous *leg.* (California State Fisheries Lab.), 03.iv.1969, T. Iwamoto *don.*, 02.xii.2003, C.L. Hubbs *det.*, 03.ix.1969

***Myxine affinis* Günther, 1870**

MOVI 08570 (1) specimen, ♂ (406 mm TL)
South Atlantic, Argentina, Ushuaia, Baia Ensenada, 3 m
J. Calvo *leg.*, xii.1996, J. Calvo *don.*, 20.vii.1997, M.M. Mincarone *det.*, 29.xi.1999

***Myxine australis* Jenyns, 1842**

MOVI 06237–06238 (formerly MCNC) (2) specimens, ♀ (250–292 mm TL)
South Atlantic, Brazil, RS, 33°00'S–33°20'S, 52°00'W–52°15'W, 30–45 m, FV “Icanhema”, trap
J.M.R. Soto *leg.*, 18.vii.1986, J.M.R. Soto *don.*, 29.i.1987, M.M. Mincarone *det.*, 12.iii.1997

MOVI 16484–16485 (formerly USNM 176460) (2) specimens, ♀ (306–312 mm TL)
South Pacific, Chile, Castro, 42°29'S, 72°46'W
M.J. Lobell *leg.*, date unknown, S.L. Jewett *don.*, 30.xi.2000, M.M. Mincarone *det.*, 16.xii.2000
Remarks: original lot with 20 specimens

***Myxine capensis* Regan, 1913**

MOVI 27537 (formerly RUSI 48483) (1) specimen, SU (439 mm TL)
South Atlantic, South Africa, 33°36'S, 17°37'E
L.J.V. Compagno *leg.*, 09.vii.1986, M.E. Anderson & V. Mthombeni *don.*, 09.x.2002, M.M. Mincarone *det.*, 17.ii.2003

MOVI 27538 (formerly RUSI 48492) (1) specimen, ♀ (532 mm TL)
South Atlantic, South Africa, 33°37'S, 17°39'E
L.J.V. Compagno *leg.*, 09.vii.1986, M.E. Anderson & V. Mthombeni *don.*, 09.x.2002, M.M. Mincarone *det.*, 17.ii.2003

MOVI 27539 (formerly RUSI 64245) (1) specimen, ♀ (350 mm TL)
South Atlantic, South Africa, NW of Childs Bank, 30°38'S, 15°15'E
M.E. Anderson *leg.*, 21.ii.2001, M.E. Anderson & V. Mthombeni *don.*, 09.x.2002, M.M. Mincarone *det.*, 17.ii.2003

***Myxine circifrons* Garman, 1899**

MOVI 27510–27512 (formerly SIO 59–52) (3) specimens, 2 ♀ (400–440 mm TL) and 1 SU (200 mm TL)
North Pacific, Mexico, Baja California North, 32°14.4'N, 117°13.5'W, 746 fm [1364 m], RV *T-441*, trap
G.B. Schick *leg.*, 19.v.1959, P.A. Hastings & H.J. Walker Jr. *don.*, 16.x.2002, C.L. Hubbs & D.L. Jensen *det.*, 21.v.1959

MOVI 30903–30905 (formerly CAS 24425) (3) specimens, SU (140–416 mm TL)
South Pacific, Ecuador, off Gulf of Guayaquil, 02°25'S, 81°10'W, 700–1000 m
M.G. Bradbury *leg.*, 01.ix.1968, T. Iwamoto *don.*, 02.xii.2003, C.L. Hubbs & C.B. McMillan *det.*, 14.vii.1972

***Myxine formosana* Mok & Kuo, 2001**

MOVI 16712 (1) specimen, ♀ (395 mm TL)
Indo-Pacific, Taiwan, 22°11'20"N, 120°13'42"E, 843 m
anonymous *leg.*, x.1996, H.-K. Mok *don.*, 17.v.2001, H.-K. Mok *det.*

***Myxine glutinosa* Linnaeus, 1758**

MOVI 27506–27507 (formerly SIO 59–50) (2) specimens, ♀ (330–360 mm TL)
North Atlantic, Sweden, Skagerrack, off Fiskebäckskil, 57°45.0'N, 09°00.0'E, trap
G. Gustafson *leg.*, 1959, P.A. Hastings & H.J. Walker Jr. *don.*, 16.x.2002, R.L. Wisner *det.*, 1992
Remarks: original lot with 114 specimens (245–385 mm TL).

***Myxine hubbsi* Wisner & McMillan, 1995**

MOVI 27508–27509 (formerly SIO 59–366) (2) specimens, 1 ♀ (410 mm TL) and 1 SU (215 mm TL)
North Pacific, Mexico, 31°02.7'N, 116°59.25'W, 1170 fm [2138 m], trap
G.B. Schick *leg.*, 27–28.x.1959, P.A. Hastings & H.J. Walker Jr. *don.*, 16.x.2002, R.L. Wisner *det.*, 1990

***Myxine limosa* Girard, 1859**

MOVI 27513–27516 (formerly SIO 75–686) (4) specimens, ♀ (380–480 mm TL)

North Atlantic, 42°33'N, 69°48'W, 150 fm [274 m], USS “Albatross”
anonymous *leg.*, 28.iv.1974, P.A. Hastings & H.J. Walker Jr. *don.*, 16.x.2002, C.L. Hubbs & C.B. McMillan *det.*, 13.ix.1976

MOVI 27494–27505 (12) specimens, 4 ♂ (410–420 mm TL), 8 ♀ (410–510 mm TL)
North Atlantic, Jefferies Ledge, 42°56.816'N, 70°10.039'W, 100 m, trap
anonymous *leg.*, 07.x.2002, S. Sower & M.L. Powell *don.*, 18.x.2002, M.M. Mincarone *det.*, 18.viii.2003

MOVI 30900–30902 (formerly CAS 31999) (3) specimens, SU (158–231 mm TL)
North Atlantic, 36°37.6'N, 74°41.25'W, 255 m, “Iselin”, otter trawl
J.A. Musick *et al. leg.*, 08.vi.1973, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 06.x.2003

***Myxine sotoi* Mincarone, 2001**

MOVI 14936–14941 [PARATYPES] (6), specimens, ♀ (393–522 mm TL)
South Atlantic, Brazil, RJ, 24°13'52"S, 43°11'08"W, 690 m, RV “Prof. W. Besnard”, trap
anonymous *leg.*, 06.xii.1997, C.L.D.B.Rossi-Wongtschowski *don.*, 02.vi.1998, M.M. Mincarone *det.*, 12.x.1999

MOVI 14950–14960 [PARATYPES] (11), specimens, 3 ♂ (418–445 mm TL), 8 ♀ (410–511 mm TL)
South Atlantic, Brazil, SC, 27°28'08"S, 46°53'02"W, 810 m, RV “Prof. W. Besnard”, trap
anonymous *leg.*, 09.xii.1997, C.L.D.B.Rossi-Wongtschowski *don.*, 02.vi.1998, M.M. Mincarone *det.*, 12.x.1999

MOVI 14961 [HOLOTYPE] (1), specimen, ♀ (506 mm TL)
South Atlantic, Brazil, SC, 27°28'08"S, 46°53'02"W, 810 m, RV “Prof. W. Besnard”, trap
anonymous *leg.*, 09.xii.1997, C.L.D.B.Rossi-Wongtschowski *don.*, 02.vi.1998, M.M. Mincarone *det.*, 12.x.1999
Remarks: additional paratypes are catalogued as MCP 26199 (2), MZUSP 62880 (6), MZUSP 62879 (3), and USNM 364209 (1).

***Myxine* sp.**

MOVI 06239 (1) specimen, ♀ (283 mm TL)
South Atlantic, Argentina, Tierra del Fuego
anonymous *leg.*, 25.iv.1902, M. Drioli & N.B. Bellisio *don.*, 28.i.1997, M.M. Mincarone *det.*, 20.viii.1997

MOVI 06240–06241 (2) specimens, SU (200–235 mm TL)
South Atlantic, Argentina, Puerto Español, Tierra del Fuego
anonymous *leg.*, 18.ii.1942, M. Drioli & N.B. Bellisio *don.*, 28.i.1997, M.M. Mincarone *det.*, 20.viii.1997

MOVI 10650 (1) specimen, ♀ (411 mm TL)
South Pacific, Chile, Punta Arenas, Strait of Magellan, 53°07'S, 70°52'W, 5–10 m, hand line
J.M.R. Soto *leg.*, 28.i.1998, J.M.R. Soto *don.*, 02.ii.1998, M.M. Mincarone *det.*, 24.iii.1998

MOVI 10651 (1) specimen, SU (193 mm TL)
South Pacific, Chile, Strait of Magellan, Tierra del Fuego
J.A. Miranda B. *leg.*, 13.iii.1936, V. Lucchelli-Rolandi *don.*, 02.ii.1998, M.M. Mincarone *det.*, 30.iii.1998

***Nemamyxine krefftii* McMillan & Wisner, 1982**

MOVI 01253 (formerly MCNC) (1) specimen, ♀ (376 mm TL)
South Atlantic, Brazil, RS, 33°00'S–33°30'S, 50°20'W–51°00'W, 140–150 m, FV “Redentor”, trawl
J.M.R. Soto *leg.*, 10.vii.1988, J.M.R. Soto *don.*, 18.vii.1988, M.M. Mincarone *det.*, 11.vii.1996

MOVI 05591 (1) specimen, SU (412 mm TL)
South Atlantic, Brazil, RS, 33°47'22"S, 51°14'56"W, 240 m, FV “Iporanga”, trap
V.M. Inêz *leg.*, 13.v.1995, V.M. Inêz *don.*, 18.v.1995, M.M. Mincarone *det.*, 20.viii.1997

***Neomyxine biniplicata* (Richardson & Jowett, 1951)**

MOVI 27795 (formerly NMNZ P. 1171) (1) specimen, ♀ (380 mm TL)
South Pacific, New Zealand, Cape Campbell, South Island, Marborough, 41°44.00'S, 174°16.00'E, 146.3 m, trawl
F. Abernethy *leg.*, 05.xi.1952, A. Stewart & C. Roberts *don.*, 10.ii.2003, M.M. Mincarone *det.*, 24.ii.2003

MOVI 27796 (formerly NMNZ P. 24787) (1) specimen, SU (446 mm TL)
South Pacific, New Zealand, Chatham Rise, 42°44.30'S, 176°02.40'E–42°45.00'S, 176°00.20'E, 778–798 m, RV “James Cook”, trawl
anonymous *leg.*, 08.i.1989, A. Stewart & C. Roberts *don.*, 10.ii.2003, M.M. Mincarone *det.*, 24.ii.2003

***Paramyxine atami* Dean, 1904**

MOVI 33990-33992 (formerly BSKU uncat.) (3), specimens, SU (TLU)
North Pacific, Japan, off Niigata Pref.
anonymous *leg.*, 05.ix.2003, H. Endo *don.*, 06.iv.2004, M.M. Mincarone *det.*, 29.iv.2004

***Paramyxine springeri* Bigelow & Schroeder, 1952**

MOVI 36930 (formerly USNM 218396) (1) specimen, ♀ (512 mm TL)
North Pacific, USA, Florida, Gulf of Mexico, 29°10'30"N, 86°46'W, 550 m, "Oregon II"
anonymous *leg.*, 04.ii.1970, J.T. Williams *don.*, 12.v.2004, M.M. Mincarone *det.*, 24.v.2004
Remarks: original lot with 2 specimens.

***Quadratus nelsoni* (Kuo, Huang & Mok, 1994)**

MOVI 16711 (1) specimen, SU (216 mm TL)
Indo-Pacific, Taiwan, 22°14'08"N, 120°35'38"E, 156 m
anonymous *leg.*, 05.xi.1996, H.-K. Mok *don.*, 17.v.2001, H.-K. Mok *det.*, 16.iii.2001

***Quadratus yangi* (Teng, 1958)**

MOVI 16710 (1) specimen, ♀ (185 mm TL)
Indo-Pacific, Taiwan, 24°40'54"N, 121°54'06"E, 120 m
anonymous *leg.*, 24.ix.1997, H.-K. Mok *don.*, 17.v.2001, H.-K. Mok *det.*

Class CEPHALASPIDOMORPHI

Order PETROMYZONTIFORMES

Family PETROMYZONTIDAE

***Entosphenus lethophagus* (Hubbs, 1971)**

MOVI 30966-30968 (formerly CAS 13391) (3) specimens, SU (88-107 mm TL)
North America, USA, California, Shasta, Hat Cr., below Hwy. 299 bridge
L. Fisk & W.E. Schafer *leg.*, 04.x.1968, T. Iwamoto *don.*, 02.xii.2003, C.L. Hubbs *det.*, 1970

***Entosphenus tridentatus* (Richardson, 1836)**

MOVI 30933-30935 (formerly CAS 31189) (3) specimens, SU (117-153 mm TL)
North America, USA, California, Mendocino, Potter Valley Power House tailrace at head of E branch Russian R.
J.S. Day *leg.*, 01-30.iv.1961, T. Iwamoto *don.*, 02.xii.2003, C.L. Hubbs *det.*, 27.x.1963

MOVI 30962-30964 (formerly CAS 210311) (3) specimens, SU (219-265 mm TL)
North America, USA, California, Modoc, Clear Lake Res., at Willow Cr.
T. Mills & K. Mamika *leg.*, 14.ix.1978, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

MOVI 30965 (formerly CAS 80987) (1) specimen, SU (422 mm TL)
North America, USA, California, Stanislaus, Tuolumne R., 3 miles above mouth
anonymous *leg.*, 14.iv.1939, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Eudontomyzon danfordi* Regan, 1911**

MOVI 30927 (formerly SU 62173) (1) specimen, SU (199 mm TL)
Europe, Romania, R. Someșul Rece, ca. 20 km up fr. Clif, Transylvania
P.M. Banareescu *leg.*, 12.vii.1961, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Ichthyomyzon bdellium* (Jordan, 1885)**

MOVI 30976-30979 (formerly CAS 218769) (4) specimens, SU (252-290 mm TL)
North America, USA, Indiana, Lawrence, East Fork White R., at Williams
R. Gerking *leg.*, 23.xi.1944, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Lampetra ayresii* (Günther, 1870)**

- MOVI 30959 (formerly CAS 26269) (1) specimen, SU (164–206 mm TL)
North America, USA, California, Sacramento R.
anonymous *leg.* (U.S. Fish & Wildlife Service), 04.xi.1946, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003
- MOVI 30960 (formerly CAS 26272) (1) specimen, SU (167 mm TL)
North America, USA, California, Sacramento R.
anonymous *leg.* (U.S. Fish & Wildlife Service), 10.i.1947, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003
- MOVI 30961 (formerly CAS 26274) (1) specimen, SU (209 mm TL)
North America, USA, California, Sacramento R.
anonymous *leg.* (U.S. Fish & Wildlife Service), 31.i.1947, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Lampetra fluviatilis* (Linnaeus, 1758)**

- MOVI 30931–30932 (formerly SU 24268) (2) specimens, SU (89–135 mm TL)
North America, USA, Washington, Skagit, Birdsvie
J.S. Burcham *leg.*, 1904, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Lampetra pacifica* Vladykov, 1973**

- MOVI 30936–30941 (formerly CAS 59946) (6) specimens, SU (64–139 mm TL)
North America, USA, California, Fresno, Kings R., 1.4 miles east of Centerville
W.I. Follett & E.B. Follett *leg.*, 24.xi.1971, T. Iwamoto *don.*, 02.xii.2003, V.D. Vladykov *det.*, 1973

***Lampetra planeri* (Bloch, 1784)**

- MOVI 30974–30975 (formerly CAS 10879) (2) specimens, SU (109–115 mm TL)
North Pacific, USA, Washington, Lake Washington drainage
W.M. Chapman & L.P. Schultz *leg.*, 1930, T. Iwamoto *don.*, 02.xii.2003, W.M. Chapman *det.*, 1943

***Lethenteron japonicum* (Martens, 1868)**

- MOVI 30969–30970 (formerly SU 6786) (2) specimens, SU (114–365 mm TL)
Asia, Japan, Hokkaido Pref., Ishikari R., Sapporo
D.S. Jordan & J.O. Snyder *leg.*, 1900, T. Iwamoto *don.*, 02.xii.2003, C.L. Hubbs *det.*, 1970

***Petromyzon marinus* Linnaeus, 1758**

- MOVI 37376 (formerly IIPB 461/1988) (1) specimen, SU (258 mm TL)
Mediterranean Sea, 90 m
anonymous *leg.*, 15.vii.1967, D. Lloris *don.*, 07.vii.2004, D. Lloris *det.*, 07.vii.2004

Family GEOTRIIDAE

***Geotria australis* (Gray, 1851)**

- MOVI 06242 (1) specimen, SU (445 mm TL)
South Atlantic, Argentina, Tierra del Fuego
anonymous *leg.*, 1950's, M. Drioli & N.B. Bellisio *don.*, 28.i.1997, J.M.R. Soto *det.*, 20.viii.1997
- MOVI 06243 (1) specimen, SU (467 mm TL)
South Atlantic, Argentina, coast of Chubut
anonymous *leg.*, 1943, M. Drioli & N.B. Bellisio *don.*, 28.i.1997, J.M.R. Soto *det.*, 20.viii.1997

Family MORDACIIDAE

***Mordacia lapicida* (Gray, 1851)**

- MOVI 30942–30956 (formerly CAS 78293) (15) specimens, SU (34–73 mm TL)
South America, Chile, Los Lagos, R. Rahue, Osorno (25 m elev.), 40°35'S, 73°09'W
C.H. Eigenmann *leg.*, 14.iii.1919, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Mordacia mordax* (Richardson, 1846)**

MOVI 30971–30973 (formerly SU 16338) (3) specimens, SU (355–422 mm TL)
Oceania, Australia, Victoria, R. Yarra
anonymous *leg.* (National Museum of Victoria), 1950, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

Class ELASMOBRANCHII
Order HEXANCHIFORMES
Family HEXANCHIDAE

***Heptanchias perlo* (Bonnaterre, 1788)**

MOVI 05434–05436 (3) specimens, ♂ mat. (746–903 mm TL, 1395–1770 g)
South Atlantic, Brazil, RS, 30°52'38"S, 49°40'21"W, 135 m, FV "Iporanga"
V.M. Inêz *leg.*, 25.vii.1995, V.M. Inêz *don.*, 04.viii.1995, J.M.R. Soto *det.*, 04.viii.1995

MOVI 06255–06270 (16) specimens, ♀ mat. (960–1130 mm TL) with embryos
South Atlantic, Brazil, RS, 31°05'44"S, 49°32'32"W–31°12'19"S, 49°48'11"W, 130–164 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 09–18.iii.1997, P.C. Rodrigues *don.*, 20.iii.1997, J.M.R. Soto *det.*, 27.iii.1997

MOVI 10362–10365 (4) heads, ♀ mat. (1022–1072 mm TL)
South Atlantic, Brazil, RS, 30°59'57"S, 49°19'53"W–31°03'23"S, 49°23'46"W, 270–320 m, FV "Master Fish", bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 20.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 30.viii.1997, J.M.R. Soto *det.*, 06.xii.1997

MOVI 08811–08815 (5) specimens, ♀ mat. (990–1030 mm TL)
South Atlantic, Brazil, RS, 30°59'12"S, 49°27'33"W–31°03'57"S, 49°24'38"W, 160–320 m, FV "Master Fish", bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 19–22.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 26.iii.1998

MOVI 17267 (1) specimen, ♂ mat. (925 mm TL)
South Atlantic, Brazil, RS, 32°27.198'S, 50°15.260'W–32°35.731'S, 50°19.804'W, 300–360 m, FV "Saga de Thor", bottom trawl
M.V. Kitahara *leg.*, 30.v.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

MOVI 17291 (1) specimen, ♂ mat. (930 mm TL)
South Atlantic, Brazil, RS, 32°05'S, 50°07'W–32°51'S, 50°25'W, 150–400 m, FV "Saga de Thor", bottom trawl
M.V. Kitahara *leg.*, 27.v–04.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

MOVI 23073 (1) specimen, ♂ (881 mm TL)
South Atlantic, Brazil, RS, 32°29.164'S, 50°15.985'W–32°36.705'S, 50°19.127'W, 350–420 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 06.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23122 (1) specimen, ♂ (836 mm TL)
South Atlantic, Brazil, RS, 32°00.449'S, 50°10.677'W–31°48.070'S, 50°08.641'W, 160 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 24309 (1) specimen, ♂ mat. (868 mm TL)
South Atlantic, Brazil, RS, 32°53.536'S, 50°25.266'W–32°41.175'S, 50°21.394'W, 370–387 m, FV "Saga de Viking", bottom trawl
M.B. Souza-Filho *leg.*, 31.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24577 (formerly LEAM 1) (1) specimen, ♂ immat. (571 mm TL)
South Atlantic, Brazil, 29°15'22"S, 48°02'12"W–29°58'03"S, 48°03'31"W, 244–250 m, RV "Atlântico Sul"
C.M. Vooren *leg.*, 08.ix.1986, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24578 (formerly LEAM 23) (1) specimen, ♂ immat. (658 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24579 (formerly LEAM 8) (1) specimen, ♂ mat. (796 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24580 (formerly LEAM 11) (1) specimen, ♂ mat. (812 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

- MOVI 24581 (formerly LEAM 49) (1) specimen, ♂ mat. (800 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002
- MOVI 24582 (formerly LEAM 68) (1) specimen, ♂ mat. (771 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002
Remarks: specimen donated to MCTA.
- MOVI 24583 (formerly LEAM 57) (1) specimen, ♂ mat. (786 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002
- MOVI 24584 (formerly LEAM 45) (1) specimen, ♀ mat. (975 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002
Remarks: specimen donated to MCTA.
- MOVI 24975–24977 (3) specimens, 2 ♂ immat. (316–326 mm TL) and 1 ♀ immat. (362 mm TL)
South Atlantic, Brazil, SC, off Santa Catarina State, midwater trawl
anonymous, ix.2002, R.R.M. Souza *don.*, 04.x.2002, M.M. Mincarone *det.*, 04.x.2002
- MOVI 25405 (formerly LEAM) (1) specimen, ♂ immat. (818 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25515 (1) head, SU (TLU)
South Atlantic, Brazil, RS, 34°30.20’S, 51°48.81’W–34°26.62’S, 51°45.54’W, 503–534 m, FV “Kinpo Maru 58”, trap
C.M. Lima-Silva, 13.vii.2002, C.M. Lima-Silva *don.*, ix.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25764 (1) head, SU (TLU)
South Atlantic, Brazil, RS, 32°02.348’S, 50°03.545’W–32°02.986’S, 50°03.717’W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, R.D. Neves *det.*, 15.x.2002
- Hexanchus griseus* (Bonnaterre, 1788)**
- MOVI 04893 (1) head, SU (2200 mm TL)
South Atlantic, Brazil, RS, 29°39’56”S, 47°48’42”W, 540 m, FV “Iporanga”, trap
V.M. Inêz *leg.*, 22.iv.1995, V.M. Inêz *don.*, 02.v.1995, J.M.R. Soto *det.*, 04.v.1995
- MOVI 08806 (1) specimen, ♂ immat. (1705 mm TL, 23.1 kg)
South Atlantic, Brazil, RS, 30°59’37”S, 49°19’08”W, 300 m, FV “Master Fish”, bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 26.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10208 (1) photograph, ♀ immat. (TLU)
South Pacific, Chile, V Región, Playa de Santo Domingo, 33°37’S, 10 m, gillnet
anonymous *leg.*, 20.v.1989, J.L. Brito M. *don.*, 26.ii.1994, J.L. Brito M. *det.*, 11.iii.1999
Remarks: original lot MMSA-PE 060.
- MOVI 16005 (formerly MCTA 00238) (1) specimen, ♀ immat. (630 mm TL)
Mediterranean Sea, Spain, Barcelona, off Serola, 600–800 m, FV “Maireta II”, bottom trawl
J. Martin-Reyes *leg.*, xii.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000
- MOVI 19403 (1) photographs, ♀ mat. (4270 mm TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ponta do Capim-Açú, 200–250 m
L.B. Veras *leg.*, i-ii.1996, L.B. Veras *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000
- MOVI 24557 (formerly LEAM 35) (1) head, SU (TLU)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002
- MOVI 25290 (1) specimen, ♂ immat. (628 mm TL)
Mediterranean Sea, Spain, Serola, 41°11’30”N, 02°29’15”W–41°09’15”N, 02°15’48”W, 740–805 m, FV “Maireta II”, bottom trawl

anonymous *leg.*, 01.iii.2002, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Notorynchus cepedianus* (Peron, 1807)**

MOVI 00118 (formerly MCNC) (1) specimen, ♂ immat. (525 mm TL)

South Atlantic, Brazil, RS, 16–20 km off Pinhal, 29°59'S, 50°03'W, 20 m, FV “Capitão Rodrigo”, gillnet

J.M.R. Soto & R.C.P. Beheregaray *leg.*, 03.vii.1990, J.M.R. Soto & R.C.P. Beheregaray *don.*, 03.vii.1990, J.M.R. Soto *det.*, 20.vi.1991

Remarks: specimen donated to MCTA.

MOVI 01147–01148 (formerly MCNC) (2) specimens, ♀ immat. (749–775 mm TL)

South Atlantic, Brazil, RS, 4–10 km off Pinhal, 29°59'S, 50°04'W, 15 m, FV “Capitão Rodrigo”, gillnet

J.M.R. Soto *leg.*, 19.vii.1990, J.M.R. Soto *don.*, vii.1991, J.M.R. Soto *det.*, 16.vii.1992

Remarks: specimen 01147 donated to IPSP.

MOVI 01928 (1) jaws, SU mat. (TLU)

South Atlantic, Brazil, SC, coast of Araranguá, 29°00'S, 49°18'W, 30 m

anonymous *leg.*, vii.1994, A.P. Souza *don.*, 21.vii.1994, J.M.R. Soto *det.*, 25.ix.1994

MOVI 10136 (formerly MCNC) (1) photographs, ♂ mat. (TLU)

South Atlantic, Brazil, RS, 24 km off São José do Norte, 33°16'S, 52°26'W, 15 m, FV “Itapoã”, gillnet

J.M.R. Soto *leg.*, vi.1989, J.M.R. Soto *don.*, vi.1989, J.M.R. Soto *det.*, vi.1989

MOVI 24569 (formerly LEAM 4) (1) specimen, ♂ submat. (1327 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 16.ii.1987, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24570 (formerly LEAM 85) (1) specimen, ♂ immat. (946 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24571 (formerly LEAM 88) (1) specimen, ♀ immat. (633 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24572 (formerly LEAM) (1) specimen, ♂ immat. (669 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24573 (formerly LEAM) (1) specimen, ♂ immat. (731 mm TL)

South Atlantic, Brazil, RS, in front of Verga Lighthouse, 58 m

anonymous *leg.*, 21.vi.1985, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24574 (formerly LEAM) (1) specimen, ♂ immat. (785 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24575 (formerly LEAM) (1) specimen, ♀ immat. (931 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24576 (formerly LEAM) (1) head, SU (TLU)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24586 (formerly LEAM) (1) clasper, ♂ mat. (TLU)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

Family CHLAMYDOSELACHIDAE

***Chlamydoselachus anguineus* Garman, 1884**

MOVI 16043 (formerly MCTA) (1) tooth, SU (TLU)
North Atlantic, Spain, Galicia, La Coruña
anonymous *leg.*, ii–iii.1999, J. Ribé-L. *don.*, 08.iv.2000, J. Ribé-L. *det.*, 08.iv.2000

Order HETERODONTIFORMES

Family HETERODONTIDAE

***Heterodontus francisci* (Girard, 1855)**

MOVI 31049 (formerly SU 39669) (1) specimen, ♂ (295 mm TL)
North Pacific, USA, California, Channel Islands, Santa Catalina Island, “Zaca”
anonymous *leg.* (Crocker-Stanford Expedition), 17.ix.1939, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Heterodontus zebra* (Gray, 1831)**

MOVI 31040–31041 (formerly CAS 29970) (2) specimens, ♂ (257 mm TL) and ♀ (252 mm TL)
North Pacific, Taiwan, Taiwan Strait, Formosa Banks, 50 m, trawl
F.B. Steiner *leg.*, 10–20.vi.1973, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, 1973

Order RECTOLOBIFORMES

Family RHINCODONTIDAE

***Rhincodon typus* Smith, 1829**

MOVI 05274 (formerly MCNC) (1) photographs, ♀ mat. (10.6 m TL)
South Atlantic, Brazil, RJ, Cabo Frio, Praia Grande, Arraial do Cabo, 22°58'04"S, 42°02'00"W, 1 m
C. Alecrim-Santos *leg.*, 24.iii.1984, S. Costa *don.*, 29.i.1987, C. Alecrim-Santos *det.*, 29.i.1987

MOVI 05276 (formerly MCNC) (1) photographs, ♂ immat. (569 cm TL, 1140 kg)
South Atlantic, Brazil, SP, 29 miles off São Sebastião, 24°20'S, 44°56'W
L.A. Ferreira *leg.*, 24.xii.1985, L.A. Ferreira *don.*, 16.ii.1993, L.A. Ferreira *det.*, 19.ii.1993

MOVI 05278 (1) photographs, ♀ (approx. 9 m TL)
South Atlantic, Brazil, SC, 14 miles of Garopaba, 28°04'S, 48°19'W, 1–6 m
J. Antonino *leg.*, ii.1990, J.M.R. Soto *don.*, 12.iv.1995, J.M.R. Soto *det.*, 12.iv.1995

MOVI 05279 (formerly MCNC) (1) VHS images, SU (approx. 6 m TL)
South Atlantic, Brazil, SP, oil platform Merluza, Santos basin, 25°10'34"S, 45°10'08"W, 9–10 m
J.L. Lustosa *leg.*, 04.iv.1993, J.L. Lustosa *don.*, iv.1993, J.M.R. Soto *det.*, 10.v.1993

MOVI 05280 (1) VHS images, SU (approx. 8 m TL)
South Atlantic, Brazil, SP, oil platform Merluza, Santos basin, 25°10'34"S, 45°10'08"W, 1 m
anonymous *leg.*, 15.iv.1992, anonymous *don.*, ix.1995, J.M.R. Soto *det.*, 11.ix.1995

MOVI 09089 (formerly MCNC) (1) photograph, SU (32 ft [9.73 m], approx. 5 tons)
Australia
anonymous *leg.* (Australian Museum, Sydney), 1950's, anonymous (Empr. Jorn. Caldas Jr.) *don.*, 17.v.1990, J.M.R. Soto *det.*, 06.iv.1998

MOVI 10209 (1) photograph, SU immat. (approx. 4 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ponta da Sapata, 03°51'00"S, 32°22'40"W, 5 m
anonymous *leg.*, vii.1998, J.M.R. Soto *don.*, 01.x.2000, J.M.R. Soto *det.*, 01.x.2000

MOVI 31305 (1) photograph, SU (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago
anonymous *leg.*, 1999, J.M.R. Soto *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000

Family HEMISCYLLIIDAE

***Chiloscyllium griseum* Müller & Henle, 1838**

MOVI 31052–31026 (formerly CAS 80442) (2) specimens, ♂ (154 mm TL) and ♀ (162 mm TL)
no locality
anonymous *leg.*, date unknown, T. Iwamoto *don.*, 02.xii.2003, J.E. McCosker *det.*, viii.1993
Remarks: born in Steinhart Aquarium (CAS)

***Chiloscyllium punctatum* Müller & Henle, 1838**

MOVI 16004 (formerly MCTA) (1) specimen, ♂ immat. (168 mm TL)
Indo-Pacific, Indonesia
anonymous *leg.*, 1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000

MOVI 16654 (1) egg capsules (99 mm TL)
Indo-Pacific, Indonesia
anonymous *leg.*, 2000, anonymous (Long Beach Aquarium) *don.*, xii.2000, J.M.R. Soto *det.*, 19.iv.2001

MOVI 16716 (formerly MCTA) (1) specimen, ♀ (542 mm TL)
Indo-Pacific, Indonesia
anonymous *leg.*, iv.2000, J. Ribé-L. *don.*, 21.v.2001, J. Ribé-L. *det.*, i.2000

MOVI 25289 (formerly MCTA) (1) specimen, ♀ immat. (476 mm TL)
Indo-Pacific, Indonesia
anonymous *leg.*, 2001, J. Ribé-L. *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

MOVI 31039 (formerly CAS 34294) (1) specimen, ♂ (177 mm TL)
Indo-Pacific, Thailand, Gulf of Thailand, 10 miles SE of Sattahip, 15 fm [27 m], trawl
F.B. Steiner *leg.*, 02–03.x.1972, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, 24.xii.1977

Family STEGOSTOMATIDAE

***Stegostoma fasciatum* (Hermann, 1783)**

MOVI 10128 (formerly MCNC) (1) photographs, ♂ (approx. 1.5 m TL)
North Pacific, Micronesia, Palau
S. Widholzer *leg.*, iv.1990, S. Widholzer *don.*, 16.v.1990, J.M.R. Soto *det.*, 01.iv.1998

MOVI 31056 (formerly CAS 80843) (1) specimen, ♂ (420 mm TL)
no locality
anonymous *leg.*, date unknown, T. Iwamoto *don.*, 02.xii.2003, J.E. McCosker *det.*, 1993
Remarks: died in Steinhart Aquarium (CAS)

Family GINGLYMOSTOMATIDAE

***Ginglymostoma cirratum* (Bonnaterre, 1788)**

MOVI 05580 (formerly MCNC) (1) photographs, ♀ immat. (approx. 1 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel
J.M.R. Soto *leg.*, 17.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 05.vii.1989

MOVI 05581 (1) photograph, ♀ (approx. 1.5 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel
J.M.R. Soto *leg.*, 21.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 05.vii.1989

MOVI 05582 (formerly MCNC) (1) photographs, ♀ immat. (approx. 1 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Dois Irmãos Island
J.M.R. Soto & R.N. Rocha-Filho *leg.*, 26.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 05.vii.1989

MOVI 05583 (formerly MCNC) (1) photograph, SU (approx. 1.5 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Baía do Sueste
J.M.R. Soto *leg.*, 25.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 05.vii.1989

- MOVI 05584 (formerly MCNC) (1) photograph, SU (approx. 1 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Baía do Sueste
J.M.R. Soto *leg.*, 25.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 05.vii.1989
- MOVI 10143 (formerly MCNC) (1) photograph, SU (approx. 1.5 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel
J.M.R. Soto *leg.*, 17.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 05.vii.1989
- MOVI 10181 (formerly MCNC) (1) photograph, SU (TLU)
South Atlantic, Brazil, ES, Trindade Island
G. Marcovaldi *leg.*, 1985, A. Filippini *don.*, vii.1990, J.M.R. Soto *det.*, 03.xii.1998
- MOVI 16298 (1) jaws, SU immat. (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Mar de Dentro
L.B. Veras *leg.*, 1998, L.B. Veras *don.*, 29.ix.2000, J.M.R. Soto *det.*, 29.ix.2000
- MOVI 27793 (1) specimen, ♀ (1385 mm TL)
South Atlantic, Brazil, BA, Entre Rios, mouth of the Itarirí river, 16 m, spear-fishing
F.S. Tavares *leg.*, 22.i.2003, J.B. Larré-Neto *don.*, 18.ii.2003, J.M.R. Soto *det.*, 20.ii.2003
- MOVI 31050–31051 (formerly SU 52731; MNRJ 6877) (2) specimens, ♂ (286 mm TL) and ♀ (296 mm TL)
South Atlantic, Brazil, ES, Vitória, 3 miles off Vitória
anonymous *leg.*, 14.vii.1944, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003
- MOVI 31311 (1) photograph, SU (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago
G. Marcovaldi *leg.*, 1980's, A. Filippini *don.*, 20.iii.1997, J.M.R. Soto *det.*, 20.iii.1997
- MOVI 31312 (1) photograph, SU (TLU)
South Atlantic, Brazil, Rocas Atoll
E. Marcovaldi *leg.*, ii.1990, A. Filippini *don.*, 20.iii.1997, J.M.R. Soto *det.*, 20.iii.1997
- Order LAMNIFORMES
Family ODONTASPIDIDAE
- Carcharias taurus* Rafinesque, 1810**
- MOVI 00079 (formerly MCNC) (1) jaws and photographs, ♀ mat. (1980 mm TL)
South Atlantic, Brazil, RS, 50 km off Tramandaí, 50 m, FV “Laureano IV”, bottom gillnet
J.M.R. Soto *leg.*, 14.i.1989, J.M.R. Soto *don.*, 20.ii.1989, J.M.R. Soto *det.*, 14.vi.1991
- MOVI 00631 (formerly MCNC) (1) specimen, ♂ newborn (937 mm TL)
South Atlantic, Brazil, RS, 3 km off Pinhal, 6 m, FV “Laureano IV”, gillnet
J.M.R. Soto & E.L. Becker *leg.*, 16.ii.1992, J.M.R. Soto & E.L. Becker *don.*, 01.iii.1992, J.M.R. Soto *det.*, 16.iii.1992
- MOVI 01927 (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, SC, Balneário Camboriú, Taquaras reef
A. Pereira *leg.*, ii.1988, A. Pereira *don.*, i.1994, J.M.R. Soto *det.*, 25.ix.1994
- MOVI 03593 (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, SC, off northern Santa Catarina State
A.C.O. Silva *leg.*, ii.1992, R. Laureano *don.*, vi.1994, J.M.R. Soto *det.*, 18.xii.1994
Remarks: jaws donated to MCTA.
- MOVI 03948 (1) head, SU mat. (TLU)
South Atlantic, Brazil, SC, off southern Santa Catarina State
A.L. Santos & A.A.M. Pacheco *leg.*, x.1993, A.L. Santos & A.A.M. Pacheco *don.*, x.1993, J.M.R. Soto *det.*, 07.iii.1995
- MOVI 03956 (1) head, SU immat. (TLU)
South Atlantic, Brazil, SC, Florianópolis, Pântano do Sul beach
J.M.R. Soto & A.H. Roman *leg.*, viii.1994, J.M.R. Soto & A.H. Roman *don.*, 28.viii.1994, J.M.R. Soto *det.*, 28.viii.1994
- MOVI 05258 (1) head, SU mat. (TLU)

South Atlantic, Brazil, RS, 30°57'05"S, 50°10'03"W, FV "Iporanga"
V.M. Inêz *leg.*, 24.vii.1995, V.M. Inêz *don.*, 04.viii.1995, J.M.R. Soto *det.*, 04.viii.1995

MOVI 05855 (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, SC, coast of Barra Velha, gillnet
C.T. Pereira *leg.*, 1992, A.P. Ferreira *don.*, 12.vi.1994, J.M.R. Soto *det.*, 26.iii.1998

MOVI 05925 (1) specimen, ♂ embr. (207 mm TL)
South Atlantic, Brazil, SC, Porto Belo, Araçá beach
anonymous *leg.*, 1995, L.R. Caseca-Santos *don.*, 08.iv.1996, J.M.R. Soto *det.*, 06.xii.1997

MOVI 05919 (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, SC, coast of Barra Velha, gillnet
C.T. Pereira *leg.*, 1992, A.P. Ferreira *don.*, 12.vi.1994, J.M.R. Soto *det.*, 26.iii.1998

MOVI 05920 (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, SP, coast of Cananéia
H. Santos *leg.*, 1994, S. Ternes-Silva *don.*, iii.1995, J.M.R. Soto *det.*, 26.iii.1998

MOVI 10137 (formerly MCNC) (1) photographs, SU (TLU)
South Atlantic, Brazil, RS, 48 km off Cidreira, 45–50 m, FV "Laureano IV", bottom gillnet
J.M.R. Soto *leg.*, 23–24.i.1992, J.M.R. Soto *don.*, 24.i.1992, J.M.R. Soto *det.*, 24.i.1992

MOVI 10159 (formerly MCNC) (1) photograph, SU (TLU)
South Atlantic, Brazil, RS, 30 km off Nova Tramandaí, 28–35 m, FV "Laureano IV", bottom gillnet
J.M.R. Soto *leg.*, 26–27.i.1992, J.M.R. Soto *don.*, 27.i.1992, J.M.R. Soto *det.*, 07.iv.1998

MOVI 24562 (formerly LEAM 86) (1) specimen, ♀ immat. (740 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24589 (formerly LEAM) (1) head, SU (TLU)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 28839 (1) specimen eviscerated and intestinal valve, ♀ mat. (2670 mm TL, 176 kg)
South Atlantic, Brazil, SC, Piçarras beach
J.M.R. Soto *et al. leg.*, 31.i.2003, J.M.R. Soto *et al. don.*, 31.i.2003, J.M.R. Soto *det.*, 31.i.2003

MOVI 31268 (formerly CCNG 00242) (1) jaws, SU (TLU)
South Atlantic, Brazil, SC, Penha, Armação do Itapocorói beach
C.N. Gofferjé *leg.*, 1970's, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003

MOVI 37588 (1) head, SU (1990 mm TL)
South Atlantic, Brazil, 33°47'S, 50°57'W–33°36'S, 50°33'W, 30–60 m, FV "Yamaya III", longline
S. Montealegre Q. *leg.*, 07.ix.2004, S. Montealegre Q. *don.*, 23.vi.2004, S. Montealegre Q. *det.*, 07.ix.2004

MOVI 37590 (1) head, SU (2210 mm TL)
South Atlantic, Brazil, 33°47'S, 50°57'W–33°36'S, 50°33'W, 30–60 m, FV "Yamaya III", longline
S. Montealegre Q. *leg.*, 07.ix.2004, S. Montealegre Q. *don.*, 23.vi.2004, S. Montealegre Q. *det.*, 07.ix.2004

Family MITSUKURINIDAE

***Mitsukurina owstoni* Jordan, 1898**

MOVI 37407 (1) photographs, ♀ (2.9 m TL)
North Atlantic, Brazil, AP, 04°15'08"N, 49°18'34"W, 739 m, FV "Mar Maria", bottom trawl
M. Asano-Filho *leg.*, 20.ix.2003, M. Asano-Filho; F.C.A.F. Holanda *don.*, 18.viii.2004, J.M.R. Soto *det.*, 18.viii.2004

MOVI 37408–37409 (2) photographs, 1 ♂ (2.9 m TL) and 1 ♀ (2.1 m TL)
North Atlantic, Brazil, AP, 04°13'35"N, 49°12'45"W, 724 m, FV "Noé", bottom trawl
M. Asano-Filho *leg.*, 20.vi.2003, M. Asano-Filho; F.C.A.F. Holanda *don.*, 18.viii.2004, J.M.R. Soto *det.*, 18.viii.2004

MOVI 37410 (1) photographs, ♀ (2.7 m TL)
North Atlantic, Brazil, AP, 04°13'08"N, 49°11'09"W, 750 m, FV "Noé", bottom trawl
F.C.A.F. Holanda *leg.*, 03.vi.2004, M. Asano-Filho; F.C.A.F. Holanda *don.*, 18.viii.2004, J.M.R. Soto *det.*, 18.viii.2004

MOVI 37411 (1) specimen, ♀ (1050 mm TL)
North Atlantic, Brazil, AP, 04°13'13"N, 49°10'57"W, 769 m, FV "Noé", bottom trawl
F.C.A.F. Holanda *leg.*, 05.vii.2004, M. Asano-Filho; F.C.A.F. Holanda *don.*, 18.viii.2004, J.M.R. Soto *det.*, 18.viii.2004

Family PSEUDOCARCHARIIDAE

***Pseudocarcharias kamoharui* (Matsubara, 1936)**

MOVI 10206 (1) specimen, ♀ mat. (1035 mm TL, 4750 g) with eggs and embryos
South Atlantic, Brazil, SC, off Santa Catarina State
anonymous *leg.*, iii.1998, V.M. Inêz *don.*, 18.ii.1999, J.M.R. Soto *det.*, 18.ii.1999

MOVI 37585 (1) specimen, ♀ (900 mm TL)
South Atlantic, Brazil, 31°47'S, 48°18'W–31°12'S, 48°08'W, 30–60 m, FV "Yamaya III", longline
S. Montealegre Q. *leg.*, 18.vi.2004, S. Montealegre Q. *don.*, 23.vi.2004, J.M.R. Soto *det.*, 23.vi.2004

Family LAMNIDAE

***Carcharodon carcharias* (Linnaeus, 1758)**

MOVI 05253 (1) jaws, SU (3–3.5 m TL, 400–500 kg)
South Atlantic, Brazil, SC, Governador Celso Ramos, Armação da Piedade beach, 27°23'S, 48°34'W
anonymous *leg.*, 1975, J.M.R. Soto *don.*, 15.vii.1996, J.M.R. Soto *det.*, 15.vii.1996

MOVI 05277 (1) photograph, SU (approx. 5.4 m TL, approx. 1300 kg)
South Atlantic, Brazil, RJ, coast of Atafona
anonymous *leg.*, 1970's, O.B.F. Gadig *don.*, 02.ix.1993, O.B.F. Gadig *det.*, 02.ix.1993

MOVI 09090 (1) photographs and VHS images, ♀ mat. (5.3 m TL, approx. 2.5 ton)
South Atlantic, Brazil, SP, 30 miles off Cananéia, 25°08'52"S, 47°15'03"W, 40 m, gillnet
anonymous *leg.*, 08.xii.1992, J.M.R. Soto *don.*, 15.iv.1995, J.M.R. Soto *det.*, 06.iv.1998

MOVI 10174 (1) photograph, SU mat. (approx. 6 m TL)
South Atlantic, Brazil, RJ, coast of Rio de Janeiro
A. Miranda Ribeiro *leg.*, date unknown, J.M.R. Soto *don.*, 20.iv.1998, A. Miranda Ribeiro *det.*, 1907

MOVI 10175 (1) photograph, SU mat. (5.2 m TL, approx. 1200 kg)
South Atlantic, Brazil, RJ, Barra de Guaratiba, gillnet
anonymous *leg.*, 1931, J.M.R. Soto *don.*, 20.iv.1998, O.B.F. Gadig *det.*, iii.1997

MOVI 10177 (1) photograph, SU mat. (2.5–3.0 m TL)
South Atlantic, Brazil, SC, São Francisco do Sul, gillnet
anonymous *leg.*, 1976, J.M.R. Soto *don.*, 20.iv.1998, J.M.R. Soto *det.*, 20.iv.1998

MOVI 10178 (1) photographs and tissues, ♀ mat. (3.3 m TL, 400–500 kg)
South Atlantic, Brazil, RS, 100 miles off Mostardas, 31°20'12"S, 49°04'46"W, longline
E.T.D.L. Silveira *leg.*, viii.1997, J.M.R. Soto *don.*, 20.iv.1998, J.M.R. Soto *det.*, 20.iv.1998

MOVI 16296 (1) jaws and photographs, ♀ (4.2 m TL)
South Atlantic, Brazil, SC, Sombrio, 6 km off Balneário Gaivota, FV "Oceania II", gillnet
anonymous *leg.*, 16.iv.1998, J.M.R. Soto *don.*, 05.xii.2001, J.M.R. Soto *det.*, 05.xii.2001

MOVI 37365 (1) photographs, SU (3–3.5 m TL)
South Atlantic, Brazil, PR, off Praia Mansa de Matinhos, gillnet
anonymous *leg.*, 1930's, anonymous *don.*, 30.v.2004, J.M.R. Soto *det.*, 30.v.2004

***Isurus oxyrinchus* Rafinesque, 1809**

MOVI 00082 (formerly MCNC) (1) jaws, SU immat. (TLU)

- South Atlantic, Brazil, RS, 31°20'–32°00'S, 49°50'–50°00'W, 140–170 m, FV “Itau Costa”, trawl
J.M.R. Soto *leg.*, 11–15.ii.1989, J.M.R. Soto *don.*, 15.ii.1989, J.M.R. Soto *det.*, 15.vi.1991
- MOVI 01168 (formerly MCNC) (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, RS, 130 km off Rio Grande, FV “Taiyou-Maru”, hand line
J.M.R. Soto *leg.*, x–xi.1985, J.M.R. Soto *don.*, 29.i.1987, J.M.R. Soto *det.*, 17.vii.1992
- MOVI 03953–03955 (3) heads, SU (TLU)
South Atlantic, Brazil, SP, around Laje de Santos
anonymous *leg.*, i.1994, A.P. Ferreira *don.*, 25.i.1994, J.M.R. Soto *det.*, 25.i.1994
- MOVI 05942 (1) head, SU (TLU)
South Atlantic, Brazil, SC, 26°39'S, 47°35'W, 95 m
F.M. Ramos *leg.*, 13.iv.1996, F.M. Ramos *don.*, 25.iv.1996, J.M.R. Soto *det.*, 27.vi.1997
- MOVI 08509 (1) jaws, SU immat. (TLU)
North Atlantic, European coast
anonymous *leg.*, 1980's, A. Matamoros *don.*, 29.iv.1997, J.M.R. Soto *det.*, 15.vii.1997
- MOVI 08808 (1) specimen, ♂ mat. (1810 mm TL)
South Atlantic, Brazil, RS, 31°01'04"S, 49°25'19"W, 300 m, FV “Master Fish”, bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 25.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 08810 (1) specimen, ♀ (1720 mm TL)
South Atlantic, Brazil, RS, 30°59'13"S, 49°27'32"W, 170 m, FV “Master Fish”, bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 19.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 08816–08817 (2) heads, 1 ♂ (TLU) and 1 ♀ (TLU)
South Atlantic, Brazil, RS, 31°03'07"S, 49°30'33"W, 270 m, FV “Master Fish”, bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 20.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 08818 (1) head, SU (TLU)
South Atlantic, Brazil, RS, 31°03'41"S, 49°24'27"W, 300 m, FV “Master Fish”, bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 21.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10246 (1) head, SU (TLU)
South Atlantic, Uruguay, 35°14'S, 54°23'W, longline
I.B. Costa *leg.*, 19.xii.1997, I.B. Costa *don.*, 29.xii.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10357 (1) specimen, ♀ newborn (790 mm TL)
South Atlantic, Brazil, RS, 33°51'07"S, 50°24'23"W, longline
I.B. Costa *leg.*, 04.xi.1997, I.B. Costa *don.*, 25.xi.1997, J.M.R. Soto *det.*, 06.xii.1997
- MOVI 16400–16401 (2) jaws, SU immat. (TLU)
South Atlantic, Brazil, SC, 27°29'S, 46°40'W–28°56'S, 46°58'W, 20–50 m, FV “Macedo I”, longline
E.B. Miranda *leg.*, 18.vii.2000, E.B. Miranda *don.*, 01.viii.2000, J.M.R. Soto *det.*, 26.x.2000
- MOVI 16521–16532 (12) specimens, 4 ♂ embr. (695–730 mm TL) and 8 ♀ embr. (661–705 mm TL) .
South Atlantic, Brazil, RS, 31°18'S, 47°29'W, 20–50 m, FV “Macedo I”, longline
E.B. Miranda *leg.*, 16.xi.2000, E.B. Miranda *don.*, 05.xii.2000, M.M. Mincarone *det.*, 05.xii.2000
Remarks: embryos of a ♀ 3590 mm TL.
- MOVI 16655 (1) jaws, SU immat. (TLU)
South Atlantic, Brazil, RS, 30°26'32"S, 48°22'11"W, 400 m, FV “Iporanga”, hand line
anonymous *leg.*, iii.2001, anonymous *don.*, 04.iv.2001, J.M.R. Soto *det.*, 04.iv.2001
- MOVI 17312 (1) head, SU (TLU)
South Atlantic, Brazil, SC, 29°44.25'S, 47°30.35'W, 30–60 m, FV “Yamaya III”, longline
R.S. Riva *leg.*, 10.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001
- MOVI 17316 (1) head, SU (TLU)
South Atlantic, Brazil, SC, 28°35.82'S, 46°40.30'W, 30–60 m, FV “Yamaya III”, longline
R.S. Riva *leg.*, 08.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

MOVI 21319 (1) jaws, SU immat. (TLU)

South Atlantic, 31°01'S, 34°54'W–29°58'S, 35°10'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 08–24.i.2002, A.T. Lima *don.*, 30.i.2002, J.M.R. Soto *det.*, 30.i.2002

MOVI 24067 (1) specimen, ♀ immat. (940 mm TL)

South Atlantic, Brazil, RS, 29°50'S, 47°05'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 25.vi.2002, R.R.M. Souza *don.*, 16.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24561 (formerly LEAM 3) (1) specimen, ♂ immat. (1205 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 28837 (1) jaws, ♀ (TLU)

South Atlantic, Brazil, SC, 27°35'S, 47°52'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 23.ii.2003, R.S. Riva *don.*, 25.ii.2003, R.S. Riva *det.*, 23.ii.2003

MOVI 29092 (1) head, SU (TLU)

South Atlantic, Brazil, SC, 27°05.398'S, 44°33.398'W–27°03.797'S, 45°06.246'W, 30–60 m, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 06.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.B. Larré-Neto *det.*, 06.vii.2003

MOVI 30401 (1) specimen, ♂ immat. (1050 mm TL)

South Atlantic, Brazil, RS, 30°38'S, 46°52'W–29°46'S, 46°32'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 05.ix.2003, R.R.M. Souza *don.*, 16.ix.2003, J.M.R. Soto *det.*, 16.ix.2003

MOVI 33995 (1) head and fins, SU (TLU)

South Atlantic, Brazil, SC, Penha, Armação de Itapocoroy, Laje do Cação, hand line
C. Gofferjé *leg.*, iii.2004, P.C. Gofferjé *don.*, 29.iii.2004, J.M.R. Soto *det.*, 29.iii.2004

MOVI 36560 (1) head, SU (TLU)

South Atlantic, Brazil, FV “Yamaya III”, longline
J.C. Dias *leg.*, iii.2004, J.C. Dias *don.*, 15.iv.2004, J.M.R. Soto *det.*, 07.v.2004

MOVI 37584 (1) specimen, ♀ (910 mm TL)

South Atlantic, Brazil, 29°00.848'S, 46°50.928'W–29°32.401'S, 47°16.138'W, 30–60 m, FV “Yamaya III”, longline
C.E.N. Consulim *leg.*, 02.ix.2004, C.E.N. Consulim *don.*, 15.ix.2004, J.M.R. Soto *det.*, 15.ix.2004

MOVI 37591 (1) head, ♂ (1580 mm TL)

South Atlantic, Brazil, 29°30'S, 47°22'W–30°04'S, 47°04'W, 30–60 m, FV “Yamaya III”, longline
S. Montealegre Q. *leg.*, 10.vi.2004, S. Montealegre Q. *don.*, 23.vi.2004, J.M.R. Soto *det.*, 23.vi.2004

MOVI 37593 (1) head, ♀ (1380 mm TL)

South Atlantic, Brazil, 29°30'S, 47°22'W–30°04'S, 47°04'W, 30–60 m, FV “Yamaya III”, longline
S. Montealegre Q. *leg.*, 10.vi.2004, S. Montealegre Q. *don.*, 23.vi.2004, J.M.R. Soto *det.*, 23.vi.2004

MOVI 37595-37597 (3) heads, SU (TLU)

South Atlantic, Brazil, off Rio Grande do Sul State, 30–60 m, FV “Yamaya III”, longline
S. Montealegre Q. *leg.*, ix.2004, S. Montealegre Q. *don.*, 24.ix.2004, J.M.R. Soto *det.*, 24.ix.2004

***Isurus paucus* Guitart Manday, 1966**

MOVI 25335 (formerly MCTA) (1) head, SU (TLU)

North Atlantic, off southern Ireland, Great Sole Bank, 50°N, 10°W, longline
anonymous *leg.*, 1999, J. Ribé-L. *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

MOVI 25587 (formerly MCTA) (1) teeth, SU (TLU)

North Atlantic, off southern Ireland, Great Sole Bank, 50°N, 10°W, longline
anonymous *leg.*, 1999, J. Ribé-L. *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

MOVI 37608 (1) specimen, ♀ (2180 mm TL)

South Atlantic, Brazil, 28°35'S, 46°32'W–28°03'S, 46°18'W, 30–60 m, FV “Yamaya III”, longline
S. Montealegre Q. *leg.*, 20.vi.2004, S. Montealegre Q. *don.*, 23.vi.2004, S. Montealegre Q. *det.*, 20.vi.2004

***Lamna nasus* (Bonnaterre, 1788)**

- MOVI 01924 (1) jaws, SU mat. (TLU)
South Pacific, Chile, coast of San Antonio, 33°35'S, longline
anonymous *leg.*, ii.1994, J.M.R. Soto *don.*, iii.1994, J.M.R. Soto *det.*, 25.ix.1994
- MOVI 10157 (1) photographs, SU (TLU)
South Atlantic, Brazil, RS, 30°S, 46°W, gillnet
J.E. Kotas *leg.*, viii.1995, J.E. Kotas *don.*, ix.1995, J.M.R. Soto *det.*, 06.iv.1998
- MOVI 16035 (formerly MCTA) (1) jaws, SU (TLU)
Cantabrian Sea, Spain, Galicia, longline
anonymous *leg.*, 1990, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000
- MOVI 16235 (1) specimen, ♀ (774 mm TL)
South Atlantic, Brazil, SC, 28°25'S, 45°20'W, 20–50 m, FV “Macedo I”, longline
E.B. Miranda *leg.*, 24.viii.2000, E.B. Miranda *don.*, 04.ix.2000, J.M.R. Soto *det.*, 04.ix.2000
- MOVI 17274 (1) specimen, ♂ mat. (TLU)
South Atlantic, Brazil, RS, 32°36.313'S, 50°19.545'W–32°26.802'S, 50°14.949'W, 370 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 30.v.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001
- MOVI 19084 (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, RJ, coast of Cabo Frio, hand line
C.T.L. Matos *leg.*, 2000, C.T.L. Matos *don.*, 13.ix.2001, J.M.R. Soto *det.*, 13.ix.2001
- MOVI 19085 (1) jaws, SU immat. (TLU)
South Atlantic, Brazil, RS, coast of Tramandaí, 450 m, FV “Antoxo”, bottom gillnet
anonymous *leg.*, vii.2001, R.C. Mazzoleni *don.*, 13.ix.2001, J.M.R. Soto *det.*, 13.ix.2001
- MOVI 20325 (1) specimen, ♀ (801 mm TL)
South Atlantic, Brazil, RS, 34°25'S, 50°25'W, 30–60 m, FV “Yamaya III”, longline
R.C. Mazzoleni *leg.*, 02.vii.2001, R.C. Mazzoleni *don.*, 11.vii.2001, J.M.R. Soto *det.*, 06.iii.2002
- MOVI 27454–27455 (2) specimens, 1 ♂ immat. (987 mm TL) and 1 ♀ immat. (829 mm TL)
South Atlantic, Rio Grande Rise, 32°47'S, 29°19'W–32°49'S, 28°33'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 19.xi.2002, R.R.M. Souza *don.*, 05.xii.2002, J.M.R. Soto *det.*, 18.xii.2002
- MOVI 27456–27457 (2) specimens, ♂ immat. (823–924 mm TL)
South Atlantic, Rio Grande Rise, 33°01'S, 30°10'W–33°38'S, 30°04'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 22.xi.2002, R.R.M. Souza *don.*, 05.xii.2002, J.M.R. Soto *det.*, 18.xii.2002
- MOVI 27458 (1) specimen, ♀ immat. (874 mm TL)
South Atlantic, Rio Grande Rise, 33°51'S, 30°15'W–34°10'S, 29°34'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 23.xi.2002, R.R.M. Souza *don.*, 05.xii.2002, J.M.R. Soto *det.*, 18.xii.2002
- MOVI 27459–27462 (4) specimens, 3 ♂ immat. (814–871 mm TL) and 1 ♀ immat. (802 mm TL)
South Atlantic, Rio Grande Rise, 33°51'S, 30°30'W–34°05'S, 29°47'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 24.xi.2002, R.R.M. Souza *don.*, 05.xii.2002, J.M.R. Soto *det.*, 18.xii.2002
- MOVI 27463 (1) specimen, ♂ immat. (776 mm TL)
South Atlantic, Rio Grande Rise, 33°51'S, 30°14'W–34°06'S, 30°04'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 25.xi.2002, R.R.M. Souza *don.*, 05.xii.2002, J.M.R. Soto *det.*, 18.xii.2002
- MOVI 29103 (1) specimen, ♀ immat. (857 mm TL)
South Atlantic, Brazil, RS, 33°29.212'S, 50°11.698'W–33°54.741'S, 50°44.422'W, 30–60 m, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 18.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 01.ix.2003
- MOVI 30398 (1) specimen, ♂ immat. (795 mm TL)
South Atlantic, Brazil, RS, 31°15'S, 40°53'W–31°17'S, 40°14'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 03.x.2003, R.R.M. Souza *don.*, 18.x.2003, J.M.R. Soto *det.*, 18.x.2003
- MOVI 30399 (1) specimen, ♀ immat. (740 mm TL)
South Atlantic, Brazil, RS, 32°03'S, 40°25'W–31°45'S, 40°03'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 04.x.2003, R.R.M. Souza *don.*, 18.x.2003, J.M.R. Soto *det.*, 18.x.2003

- MOVI 30400 (1) specimen, ♂ immat. (805 mm TL)
South Atlantic, Brazil, RS, 30°56'S, 41°20'W–31°17'S, 40°42'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 05.x.2003, R.R.M. Souza *don.*, 18.x.2003, J.M.R. Soto *det.*, 18.x.2003
- MOVI 31083 (1) head, SU (TLU)
South Atlantic, 34°54'S, 29°21'W–34°27'S, 29°37'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 08.xii.2003, R.R.M. Souza *don.*, 16.xii.2003, R.D. Neves *det.*, 16.xii.2003
- MOVI 31084 (1) specimen, ♀ (822 mm TL)
South Atlantic, 34°54'S, 29°21'W–34°27'S, 29°37'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 08.xii.2003, R.R.M. Souza *don.*, 16.xii.2003, R.D. Neves *det.*, 16.xii.2003
- MOVI 31086 (1) specimen, ♀ (831 mm TL)
South Atlantic, 34°29'S, 28°42'W–34°21'S, 29°33'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 12.xii.2003, R.R.M. Souza *don.*, 16.xii.2003, R.D. Neves *det.*, 16.xii.2003
- MOVI 37583 (1) specimen, ♂ (750 mm TL)
South Atlantic, Brazil, 31°11'S, 47°53'W, 30–60 m, FV “Yamaya III”, longline
S. Montealegre Q. *leg.*, 04.ix.2004, S. Montealegre Q. *don.*, 24.ix.2004, S. Montealegre Q. *det.*, 04.ix.2004
- MOVI 37594 (1) head, ♂ (TLU)
South Atlantic, Brazil, 32°05'S, 49°03'W–32°46'S, 49°13'W, 30–60 m, FV “Yamaya III”, longline
S. Montealegre Q. *leg.*, 10.ix.2004, S. Montealegre Q. *don.*, 24.ix.2004, S. Montealegre Q. *det.*, 10.ix.2004
- MOVI 37601 (1) specimen, ♀ (2130 mm TL)
South Atlantic, Brazil, 29°42.262'S, 43°20.104'W–29°13.914'S, 43°35.489'W, 30–60 m, FV “Yamaya III”, longline
C.E.N. Consulim *leg.*, 05.ix.2004, C.E.N. Consulim *don.*, 15.ix.2004, J.M.R. Soto *det.*, 15.ix.2004
- Family CETORHINIDAE
- Cetorhinus maximus* (Gunnerus, 1765)**
- MOVI 10183 (1) photographs, ♀ (4380 mm TL)
South Atlantic, Brazil, SP, around Alcatrazes Island, 24°00'S, 45°35'W–24°10'S, 45°45'W, 35–50 m, bottom trawl
J.L. Figueiredo *leg.*, 19.xi.1970, J.L. Figueiredo *don.*, 01.vi.1998, J.M.R. Soto *det.*, 03.xii.1998
- MOVI 10207 (1) photographs, ♀ (6,2 m TL)
South Atlantic, Brazil, RS, Florianópolis, Pântano do Sul beach, 27°46'47"S, 48°30'56"W, 6 m, gillnet
M. Mariano *leg.*, 05.viii.1990, M. Mariano *don.*, 06.iii.1999, J.M.R. Soto *det.*, 06.iii.1999
- MOVI 16089 (formerly LEAM 34) (1) head, sample of the epidermis and brachial arches, SU immat. (approx. 3 m TL, 165 kg)
South Atlantic, Brazil, RS, off southern Rio Grande do Sul State, FV “Vânia Lúcia”, bottom trawl
anonymous *leg.*, 25.viii.1986, C.M. Vooren *don.*, 18.ix.2002, C.M. Vooren *det.*, 03.xi.1999
- MOVI 16144 (formerly MCTA) (1) vertebra, SU (TLU)
Mediterranean Sea, Spain, Catalunya, longline
anonymous *leg.*, 1990's, J. Ribé-L. *don.*, 08.iv.2000, J. Ribé-L. *det.*, 08.iv.2000

Family ALOPIIDAE

***Alopias superciliosus* (Lowe, 1839)**

- MOVI 00078 (formerly MCNC) (1) jaws, SU (TLU)
South Atlantic, Brazil, RS, 31°20'–32°00'S, 49°50'–50°00'W, 140–170 m, FV “Itau Costa”, trawl
J.M.R. Soto *leg.*, 11–15.ii.1989, J.M.R. Soto *don.*, 15.ii.1989, J.M.R. Soto *det.*, 14.vi.1991
- MOVI 16232–16233 (2) specimens, ♂ embr. (622–624 mm TL)
South Atlantic, Brazil, SC, 28°25'S, 45°20'W, 50 m, FV “Macedo I”, longline
E.B. Miranda *leg.*, 24.viii.2000, E.B. Miranda *don.*, 04.ix.2000, J.M.R. Soto *det.*, 04.ix.2000
Remarks: taken from a 3690 mm TL female.
- MOVI 16519–16520 (2) specimens, ♂ embr. (1178–1210 mm TL)
South Atlantic, Brazil, RS, 30°40'S, 47°12'W, 30–60 m, FV “Macedo I”, longline

E.B. Miranda *leg.*, 16.xi.2000, E.B. Miranda *don.*, 05.xii.2000, M.M. Mincarone *det.*, 05.xii.2000
Remarks: taken from a 4380 mm TL female.

MOVI 17309 (1) head, SU (TLU)

South Atlantic, Brazil, RS, 32°56.46'S, 50°15.96'W, 30–60 m, FV “Yamaya III”, longline
R.S. Riva *leg.*, 16.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

MOVI 17317 (1) specimen, ♂ (3270 mm TL)

South Atlantic, Brazil, RS, 30°26.30'S, 47°32.24'W, 30–60 m, FV “Yamaya III”, longline
R.S. Riva *leg.*, 11.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

MOVI 17447 (1) chondrocranium, SU (TLU)

South Atlantic, Brazil, RS, 32°41.602'S, 50°21.999'W, 300–340 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 31.v.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 05.vi.2001

MOVI 22568 (1) head, SU (TLU)

South Atlantic, Brazil, SC, 27°41'S, 45°58'W, 30–60, FV “Yamaya III”, longline
A.T. Lima *leg.*, 14.v.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 28.v.2002

MOVI 25763 (1) head, SU (TLU)

South Atlantic, Brazil, RS, 32°02.986'S, 50°03.717'W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, R.D. Neves *det.*, 15.x.2002

MOVI 28131 (1) specimen, ♂ (3770 mm TL)

South Atlantic, 33°38.938'S, 30°30.549'W–33°28.483'S, 31°15.161'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 07.ii.2003, R.S. Riva *don.*, 25.ii.2003, M.M. Mincarone *det.*, 01.iv.2003

MOVI 28132 (1) specimen, ♂ (3050 mm TL)

South Atlantic, 33°38.938'S, 30°30.549'–33°28.483', 31°15.161', 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 07.ii.2003, R.S. Riva *don.*, 25.ii.2003, M.M. Mincarone *det.*, 01.iv.2003

MOVI 30450 (1) specimen, ♂ mat. (3140 mm TL)

South Atlantic, Brazil, 33°08.227'S, 49°22.785'W–32°54.311'S, 49°48.429'W, 30–60 m, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 14.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 28.vii.2003

MOVI 30451 (1) specimen, ♂ mat. (3040 mm TL)

South Atlantic, Brazil, 27°35.403'S, 46°12.387'W–27°04.604'S, 45°46.698'W, 30–60 m, 06:30–13:35, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 05.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 28.vii.2003

MOVI 31302 (1) photographs, SU (TLU)

South Atlantic, Brazil, RS, 32°05'S, 50°07'W–32°51'S, 50°25'W, 150–400 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 27.v–04.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

***Alopias vulpinus* (Bonnaterre, 1788)**

MOVI 00085 (formerly MCNC) (1) jaws and photographs, ♀ immat. (2160 mm TL)

South Atlantic, Brazil, RS, 3 km off Tramandaí, 6 m, FV “Lareano V”, gillnet
J.M.R. Soto *leg.*, 10.i.1990, J.M.R. Soto *don.*, 10.i.1990, J.M.R. Soto *det.*, 15.vi.1991

MOVI 00105 (formerly MCNC) (1) chondrocranium and jaws, ♀ immat. (1150 mm TL)

South Atlantic, Brazil, RS, off Rio Grande
anonymous *leg.*, i.1986, J.M.R. Soto *don.*, 29.i.1987, J.M.R. Soto *det.*, 20.vi.1991

MOVI 01973 (1) specimen, ♂ immat. (1188 mm TL)

South Atlantic, Brazil, SC, coast of Barra Velha, gillnet
C.A. Harmel *leg.*, 11.xii.1993, R.C. Mazzoleni *don.*, 11.xii.1993, J.M.R. Soto *det.*, 11.xii.1993

MOVI 03949 (1) head and caudal fin, SU (approx. 2.3 m TL)

South Atlantic, Brazil, RS, off Torres, 80–100 m
anonymous *leg.*, 21.vii.1994, R.C. Mazzoleni *et al. don.*, 26.vii.1994, J.M.R. Soto *det.*, 07.iii.1995

MOVI 05257 (1) specimen, ♀ immat. (2390 mm TL)

South Atlantic, Brazil, RS, 30°52'38"S, 49°40'21"W

V.M. Inêz *leg.*, 25.vii.1995, V.M. Inêz *don.*, 04.viii.1995, J.M.R. Soto *det.*, 04.viii.1995

MOVI 16607 (1) specimen, ♂ (2490 mm TL)
South Atlantic, Brazil, SC, 28°36'S, 45°18'W, 20–50 m, FV “Macedo I”, longline
E.B. Miranda *leg.*, 23.viii.2000, E.B. Miranda *don.*, 19.ix.2000, J.M.R. Soto *det.*, 19.ix.2000

MOVI 17261 (1) specimen, ♀ (2670 mm TL)
South Atlantic, Brazil, RS, 32°29.429'S, 50°16.588'W, 370 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 02.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

Order CARCHARHINIFORMES

Family SCYLORHINIDAE

***Apristurus brunneus* (Gilbert, 1892)**

MOVI 31032–31033 (formerly CAS 40525) (2) specimens, ♂ (220–270 mm TL)
North America, USA, California, 7.4 miles SSW of Pt. Piedras Blancas, 35°32'42"N, 121°20'00"W–35°33'48"N,
121°21'30"W, 441–457 m, MV “Commando”, otter trawl
T. Iwamoto *leg.*, 19.vii.1977, T. Iwamoto *don.*, 02.xii.2003, K. Nakaya *det.*, 1998

***Atelomycterus marmoratus* (Bennett, 1830)**

MOVI 16717 (1) specimen, ♂ mat. (489 mm TL)
Indo-Pacific, Indonesia
anonymous *leg.*, x.2000, J. Ribé-L. *don.*, 21.v.2001, J. Ribé-L. *det.*, 21.v.2001

MOVI 25284–25285 (2) specimens, 1 ♂ (563 mm TL) and 1 ♀ (537 mm TL)
Indo-Pacific, Indonesia
anonymous *leg.*, 1999, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Bythaelurus canescens* (Günther, 1878)**

MOVI 05937 (1) specimen, ♀ mat. (615 mm TL) with egg capsules (66–67 mm TL)
South Pacific, Chile, San Antonio, 16 miles off Punta Toro, 33°46'S, 900 m, bottom longline
J.L. Brito M. *leg.*, 14.iii.1994, J.L. Brito M. *don.*, xi.1996, J.L. Brito M. *det.*, xi.1996

***Galeus arae* Springer, 1966**

MOVI 31048 (formerly CAS 218666) (1) specimen, ♂ (272 mm TL)
North Atlantic, Gulf of Mexico, 24°28'N, 83°29'W, 210 fm [384 m], MV “Oregon”, shrimp trawl
anonymous *leg.* (U.S. Fish & Wildlife Service), 29.vii.1963, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

MOVI 36931–36932 (formerly USNM 221348) (2) specimens, 1 ♂ (201 mm TL) and 1 ♀ (151 mm TL)
North Atlantic, Nicaragua, Caribbean Nicaragua, 12°24'N, 82°24'W, 613 m, “Oregon II”
anonymous *leg.*, 22.xi.1968, J.T. Williams *don.*, 12.v.2004
Remarks: original lot with 3 specimens.

***Galeus melastomus* Rafinesque, 1810**

MOVI 16006 (1) specimen, ♂ (537 mm TL)
Mediterranean Sea, Spain, Barcelona, coast of Serola, 600–800 m, FV “Maireta II”, bottom trawl
J. Martin-Reyes *leg.*, 1996, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000

MOVI 16039 (1) jaws, ♀ (475 mm TL)
Mediterranean Sea, Spain, Barcelona, Vilanova, Illa Gertru
anonymous *leg.*, 1986, J. Ribé-L. *don.*, 08.iv.2000, J. Ribé-L. *det.*, 08.iv.2000

MOVI 25300–25301 (2) specimens, ♂ (254–475 mm TL)
Mediterranean Sea, Spain, Serola, 41°11'30"N, 02°29'15"W–41°09'15"N, 02°15'48"W, FV “Maireta II”, bottom trawl
anonymous *leg.*, i.2001, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

MOVI 25310 (1) specimen, ♂ immat. (300 mm TL)
Mediterranean Sea, Spain, Serola, 41°11'30"N, 02°29'15"W–41°09'15"N, 02°15'48"W, FV “Maireta II”, bottom trawl

anonymous *leg.*, 2002, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Galeus mincaronei* Soto, 2001**

MOVI 00090, 00091, 00146 [PARATYPES] (formerly MCNC) (3), specimens, 1 ♀ mat. (386 mm TL) with egg capsule (57 mm TL), 1 ♂ immat. (237 mm TL) and 1 ♀ mat. (488 mm TL) with egg capsule (57 mm TL)
South Atlantic, Brazil, RS, 30°14'51"S, 48°03'03"W, 430 m, FV "Icanhema", trap
J.M.R. Soto *leg.*, 04.iv.1988, J.M.R. Soto *don.*, i.1990, J.M.R. Soto *det.*, 17.i.2001

MOVI 00147 [HOLOTYPE] (formerly MCNC) (1), specimen, ♂ mat. (404 mm TL)
South Atlantic, Brazil, RS, 30°14'51"S, 48°03'03"W, 430 m, FV "Icanhema", trap
J.M.R. Soto *leg.*, 04.iv.1988, J.M.R. Soto *don.*, i.1990, J.M.R. Soto *det.*, 17.i.2001

MOVI 24979 (1) specimen, ♀ immat. (292 mm TL)
South Atlantic, Brazil, SC, trawl
anonymous *leg.*, ix.2002, R.R.M. Souza *don.*, 04.x.2002, M.M. Mincarone *det.*, 04.x.2002

MOVI 31288 (1) photograph, SU (TLU)
South Atlantic, Brazil, SC, 40 miles off Florianópolis, 300–600 m, RV "Soloncy Moura", bottom trawl
J.J. Santos *leg.*, ii.2002, J.J. Santos *don.*, 22.ii.2002, J.M.R. Soto *det.*, 22.ii.2002

***Galeus polli* Cadenat, 1959**

MOVI 37385–37387 (formerly IIPB 540/1981, 541/1981, 542/1981) (3) specimens, ♀ (361–377 mm TL)
South Atlantic, Namibia, 22°18'S, 13°07'E, 240 m, bottom trawl
anonymous *leg.*, 10.xi.1979, D. Lloris *don.*, 20.vii.2004, D. Lloris *det.*, 20.vii.2004

***Haploblepharus edwardsii* (Woigt, 1832)**

MOVI 01383 (formerly MCNC) (1) specimen, ♀ immat. (107 mm TL)
South Atlantic, South Africa, coast of Durban
A. Montaldo *leg.*, x.1942, J.M.R. Soto *don.*, 29.i.1987, J.M.R. Soto *det.*, 13.x.1992

***Holohalaelurus regani* (Gilchrist, 1922)**

MOVI 37388 (formerly IIPB 94/1990) (1) specimen, ♂ (506 mm TL)
South Atlantic, Namibia, 27°56'S, 14°57'E, 190 m, bottom trawl
anonymous *leg.*, 03.iii.1986, D. Lloris *don.*, 20.vii.2004, D. Lloris *det.*, 20.vii.2004

MOVI 37389 (formerly IIPB 382/1981) (1) specimen, ♂ (475 mm TL)
South Atlantic, Namibia, 20°10'S, 14°31'E, 434–439 m, bottom trawl
anonymous *leg.*, 26.iv.1981, D. Lloris *don.*, 20.vii.2004, D. Lloris *det.*, 20.vii.2004

MOVI 37390 (formerly IIPB 52/1990) (1) specimen, ♂ (427 mm TL)
South Atlantic, Namibia, 27°02'S, 14°35'E, 293 m, bottom trawl
anonymous *leg.*, 02.ii.1986, D. Lloris *don.*, 20.vii.2004, D. Lloris *det.*, 20.vii.2004

***Parmaturus xaniurus* (Gilbert, 1892)**

MOVI 31036 (formerly CAS 38904) (1) specimen, ♂ (213 mm TL)
North Pacific, USA, California, Santa Barbara Channel, 34°14'N, 120°08'W, Isaacs-Kidd midwater trawl
G.M. Cailliet *et al. leg.*, 21.viii.1964, T. Iwamoto *don.*, 02.xii.2003, G.M. Cailliet *det.*, date unknown

MOVI 31037 (formerly CAS 38915) (1) specimen, ♀ (230 mm TL)
North Pacific, USA, California, Santa Barbara Channel, 34°14'N, 120°57'W, 287–539 m, Isaacs-Kidd midwater trawl
G.M. Cailliet *et al. leg.*, 31.vii.1967, T. Iwamoto *don.*, 02.xii.2003, G.M. Cailliet *det.*, date unknown

***Schroederichthys bivius* (Smith, 1838)**

MOVI 00116 (formerly MCNC) (1) specimen, ♂ mat. (702 mm TL)
South Atlantic, Brazil, RS, Santa Vitória do Palmar, 33°10'S, 51°55'W, 56 m, FV "Redentor", trawl
J.M.R. Soto *leg.*, 8–11.vii.1988, J.M.R. Soto *don.*, viii.1988, J.M.R. Soto *det.*, 20.vi.1991

MOVI 01384 (1) specimen, ♀ mat. (539 mm TL)
South Atlantic, Argentina, Buenos Aires, 10 km off Mar del Plata
anonymous leg., 08.viii.1982, G. Piacentino *don.*, 31.ix.1992, J.M.R. Soto *det.*, 13.x.1992

MOVI 01385–01387 (formerly MCNC) (3) egg capsules (62–64 mm TL)
South Atlantic, Argentina, Santa Cruz, Puerto Deseado
anonymous leg., 1986, J.M.R. Soto *don.*, 29.i.1987, J.M.R. Soto *det.*, 13.x.1992

MOVI 03597 (1) specimen, ♂ immat. (14,0 cm TL)
South Atlantic, Argentina, Chubut, Playa de Puerto Madryn, Golfo Nuevo
J.M.R. Soto *et al. leg.*, 24.i.1995, J.M.R. Soto *et al. don.*, ii.1995, J.M.R. Soto *det.*, 05.vi.1997

***Schroederichthys chilensis* (Guichenot, 1848)**

MOVI 03942–03943 (formerly MMSA) (2) specimens, 1 ♂ mat. (533 mm TL) and 1 ♀ mat. (518 mm TL) with egg capsules (53–53 mm TL)
South Pacific, Chile, 1 mile off San Antonio, 33°35'S, rod
J.L. Brito M. *leg.*, 07.xi.1991, J.L. Brito M. *don.*, 27.ii.1994, J.L. Brito M. *det.*, 07.xi.1991

***Schroederichthys maculatus* Springer, 1966**

MOVI 16661–16662 (formerly USNM 187684) (2) specimens, 1 ♂ mat. (292 mm TL) and 1 ♀ mat. (296 mm TL) with egg capsules (35–35 mm TL)
North Atlantic, Honduras, Rosalind Bank, Western Caribbean Sea, 16°01'N, 81°08'W, 274 m, MV “Oregon”
anonymous leg., date unknown, S. Jewett *don.*, 09.iii.2001, J.M.R. Soto *det.*, 02.iv.2001
Remarks: original lot with 33 specimens.

***Schroederichthys saurisqualus* Soto, 2001**

MOVI 00094, 00095, 00098, 00099 [PARATYPES] (formerly MCNC) (4), specimens, 1 ♂ (404 mm TL) 1 ♂ immat. (352 mm TL), 1 ♂ embr. (96 mm TL) and 1 ♀ embr. (92 mm TL) with egg capsules (63 mm TL)
South Atlantic, Brazil, RS, 30°14'51”S, 48°03'03”W, 430 m, FV “Icanhema”, trap
J.M.R. Soto *leg.*, 04.iv.1988, J.M.R. Soto *don.*, i.1990, J.M.R. Soto *det.*, 19.iii.2001

MOVI 00096 [PARATYPE] (formerly MCNC) (1), specimen, ♂ immat. (326 mm TL)
South Atlantic, Brazil, RS, 30°33'02”S, 48°23'57”W, 350 m, FV “Icanhema”, trap
J.M.R. Soto *leg.*, 05.iv.1988, J.M. R. Soto *don.*, i.1990, J.M.R. Soto *det.*, 19.iii.2001

MOVI 00160 [PARATYPE] (formerly MCNC) (1), specimen, ♂ immat. (328 mm TL)
South Atlantic, Brazil, RS, 30°00'43”S, 48°03'58”W, 370 m, FV “Icanhema”, trap
J.M.R. Soto *leg.*, 03.iv.1988, J.M.R. Soto *don.*, i.1990, J.M.R. Soto *det.*, 19.iii.2001

MOVI 04907–04908 (2) egg capsules (57–64 mm TL)
South Atlantic, Brazil, RS, 30°06'26”S, 47°53'35”W, 425–435 m, FV “Iporanga”, trap
V.M. Inêz *leg.*, 21.iv.1995, V.M. Inêz *don.*, 02.v.1995, J.M.R. Soto *det.*, 19.iii.2001
Remarks: one egg capsule contains an embryo (36 mm TL).

MOVI 05949 [HOLOTYPE] (1), specimen, ♂ mat. (582 mm TL)
South Atlantic, Brazil, SC, 27°30'16”S, 47°36'03”W, 122–130 m, RV “Diadorim”, trap
anonymous leg., 15.xi.1996, M.A.C. Souza-Filho *don.*, 25.xi.1996, J.M.R. Soto *det.*, 19.iii.2001
Remarks: additional paratypes are catalogued as MCP 21788 (1) and MZUSP 52903 (1).

MOVI 06246–06247 (2) photograph, ♂ mat. (578–588 mm TL)
South Atlantic, Brazil, PR, coast of Paraná State
O.B.F. Gadig *leg.*, 1996, O.B.F. Gadig *don.*, ii.1997, J.M.R. Soto *det.*, 19.iii.2001

MOVI 10163 (1) egg capsule (65 mm TL)
South Atlantic, Brazil, RS, 30°57'26”S, 49°16'42”W, 280–300 m, FV “Master Fish”, bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 27.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 19.iii.2001

MOVI 10164 (1) egg capsule (56 mm TL)
South Atlantic, Brazil, RS, 31°03'57”S, 49°24'37”W, 300–320 m, FV “Master Fish”, bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 22.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 19.iii.2001

MOVI 10199 [PARATYPE] (1), specimen, ♀ mat. (69,2 cm TL) with egg capsules (69–70 mm TL)
South Atlantic, Brazil, RS, 33°43'20"S, 51°26'40"W, 280 m, FV "Margus II", gillnet
C.M. Vooren *leg.*, 27.viii.1994, M.A. Bemvenuti *don.*, 23.x.1998, J.M.R. Soto *det.*, 19.iii.2001

MOVI 23197 (1) specimen, ♂ immat. (384 mm TL)
South Atlantic, Brazil, SC, trawl
anonymous *leg.*, v.2002, R.R.M. Souza *don.*, 19.vi.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 24973–24974 (2) specimens, 1 ♂ immat. (368 mm TL) and 1 ♀ mat. (526 mm TL)
South Atlantic, Brazil, SC, trawl
anonymous *leg.*, ix.2002, R.R.M. Souza *don.*, 04.x.2002, M.M. Mincarone *det.*, 04.x.2002

MOVI 25761–25762 (2) specimens, ♀ (221–329 mm TL)
South Atlantic, Brazil, SC, trawl
anonymous *leg.*, vi.2002, R.R.M. Souza *don.*, 15.viii.2002, J.M.R. Soto *det.*, 15.viii.2002

MOVI 31259 (1) specimen, ♀ immat. (331 mm TL)
South Atlantic, Brazil, SC, north coast of Santa Catarina State
anonymous *leg.*, v-vi.2003, R.R.M. Souza *don.*, vii.2003, J.M.R. Soto *det.*, 28.vii.2003

MOVI 31293 (1) photographs, SU (TLU)
South Atlantic, Brazil, RS, off Rio Grande do Sul State
G. Rincón-Filho *leg.*, 23.iii.1996, G. Rincón-Filho *don.*, 2001, J.M.R. Soto *det.*, 02.xi.2001

***Scyliorhinus canicula* (Linnaeus, 1758)**

MOVI 15994–15996 (formerly MCTA) (3) specimens ♀ (391–436 mm TL)
Mediterranean Sea, Spain, Barcelona, coast of Serola, 600–800 m, FV "Maireta II", bottom trawl
J. Martín-Reyes *leg.*, iii.1998, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000

MOVI 16018–16026 (formerly MCTA) (9) egg capsules (46–50 mm TL)
Mediterranean Sea, Spain, Barcelona, Palamos beach, Girona, bottom trawl
J. Ribé-L. *leg.*, ix.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000

MOVI 16027–16033 (7) specimens, 4 ♂ (404–441 mm TL) and 3 ♀ (36,8–37,9 cm TL)
Mediterranean Sea, Spain, Barcelona, Palamos beach, Girona, bottom trawl
anonymous *leg.*, 14.iv.2000, J.M.R. Soto *don.*, 14.iv.2000, J.M.R. Soto *det.*, 14.iv.2000

MOVI 16037–16038 (formerly MCTA) (2) jaws, 1 ♂ (TLU) and 1 ♀ (TLU)
Mediterranean Sea, Spain, Barcelona, bottom trawl
anonymous *leg.*, 1998, J. Ribé-L. *don.*, 08.iv.2000, J. Ribé-L. *det.*, 08.iv.2000

MOVI 25287 (1) specimen, ♂ immat. (495 mm TL)
Mediterranean Sea, Spain, Serola, 41°11'30"N, 02°29'15"W–41°09'15"N, 02°15'48"W, FV "Maireta II", bottom trawl
anonymous *leg.*, 23.ii.2000, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Scyliorhinus haeckelii* (Miranda Ribeiro, 1907)**

MOVI 00092–00093 (formerly MCNC) (2) specimens, ♀ immat. (274–393 mm TL)
South Atlantic, Brazil, SC, 28°31'30"S, 47°23'30"W, 206 m, FV "Icanhema", trap
anonymous *leg.*, 10.xii.1987, J.M.R. Soto *don.*, iii.1989, J.M.R. Soto *det.*, 15.vi.1991

MOVI 00157 (formerly MCNC) (1) specimen, ♀ (386 mm TL)
South Atlantic, Brazil, RS, 30°19'25"S, 48°25'34"W, 270 m, FV "Icanhema", trap
J.M.R. Soto *leg.*, 05.iv.1988, J.M.R. Soto *don.*, iii.1989, J.M.R. Soto *det.*, 08.vii.1991

MOVI 00158–00159 (formerly MCNC) (2) specimens, ♀ immat. (207–221 mm TL)
South Atlantic, Brazil, RS, 31°21'23"S, 49°57'41"W, 140 m, FV "Itau Costa", trawl
J.M.R. Soto *leg.*, 12.ii.1989, J.M.R. Soto *don.*, iii.1989, J.M.R. Soto *det.*, 08.vii.1991

MOVI 01155 (formerly MCNC) (1) specimen, ♀ mat. (454 mm TL)
South Atlantic, Brazil, RS, 31°56'32"S, 50°04'53"W, 170 m, FV "Itau Costa", trawl
J.M.R. Soto *leg.*, 12.ii.1989, J.M.R. Soto *don.*, iii.1989, J.M.R. Soto *det.*, 16.vii.1992

- MOVI 03594–03596 (formerly MCNC) (3) egg capsules (55 mm TL)
South Atlantic, Brazil, RS, 30°19'03"S, 48°23'52"W, 290 m, FV "Icanhema", trap
J.M.R. Soto *leg.*, 05.iv.1988, J.M.R. Soto *don.*, iii.1989, J.M.R. Soto *det.*, 08.vii.1991
- MOVI 04892 (1) specimen, ♀ mat. (480 mm TL)
South Atlantic, Brazil, RS, 30°03'29"S, 47°54'09"W, 425 m, FV "Iporanga"
V.M. Inêz *leg.*, 20.iv.1995, V.M. Inêz *don.*, 02.v.1995, J.M.R. Soto & R.C. Mazzoleni *det.*, 04.v.1995
- MOVI 05043–05044 (2) photographs, ♂ mat. (450–481 mm TL)
South Atlantic, Brazil, PR, 25°30'S, 47°30'W–26°00'S, 48°10'W, 35–55 m
J.E. Kotas *leg.*, vi.1986, J.E. Kotas *don.*, 19.v.1995, J.M.R. Soto *det.*, 22.v.1995
- MOVI 05281–05284 (4) specimens, 3 ♂ mat. (455–469 mm TL) and 1 ♀ mat. (432 mm TL)
South Atlantic, Brazil, RS, 34°22'35"S, 51°59'26"W, 70–85 m, FV "Iporanga"
V.M. Inêz *leg.*, 06.vii.1995, V.M. Inêz *don.*, 04.viii.1995, J.M.R. Soto *det.*, 28.ix.1995
- MOVI 05285–05288 (4) specimens, 3 ♂ mat. (456–526 mm TL) and 1 ♀ mat. (438 mm TL)
South Atlantic, Brazil, RS, 31°17'45"S, 49°48'48"W, 150 m, FV "Iporanga"
V.M. Inêz *leg.*, 18.vii.1995, V.M. Inêz *don.*, 04.viii.1995, J.M.R. Soto *det.*, 28.ix.1995
Remarks: specimen 05287 donated to MCTA; specimen 05288 donated to USNM.
- MOVI 05289 (1) specimen, ♀ mat. (422 mm TL)
South Atlantic, Brazil, RS, 31°19'58"S, 49°46'09"W, 150 m, FV "Iporanga"
V.M. Inêz *leg.*, 22.vii.1995, V.M. Inêz *don.*, 04.viii.1995, J.M.R. Soto *det.*, 28.ix.1995
Remarks: specimen donated to USNM.
- MOVI 06248–06249 (2) specimens, ♀ mat. (437–443 mm TL)
South Atlantic, Brazil, RS, 31°05'44"S, 49°32'32"W, 164 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 17.iii.1997, P.C. Rodrigues *don.*, 20.iii.1997, J.M.R. Soto *det.*, 27.iii.1997
- MOVI 06250–06254 (5) specimens, 3 ♂ (397–515 mm TL) and 2 ♀ (445–450 mm TL)
South Atlantic, Brazil, RS, 32°10'32"S, 50°08'44"W, 190 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 03.iv.1997, P.C. Rodrigues *don.*, 15.iv.1997, J.M.R. Soto *det.*, 16.iv.1997
Remarks: specimen 06252 donated to USNM; specimen 06253 donated to MCTA.
- MOVI 08742–08801 (60) specimens, 35 ♂ (370–647 mm TL) and 25 ♀ (391–569 mm TL)
South Atlantic, Brazil, RS, 29°44'49"S, 47°49'57"W–29°49'09"S, 48°03'49"W, 370–495 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 30–31.v.1997, P.C. Rodrigues *don.*, 06.vi.1997, J.M.R. Soto *det.*, 15.vii.1997
Remarks: specimens 08743 and 08770 donated to RUSI; specimens 08744 and 08769 donated to MPEG.
- MOVI 08738–08741 (4) specimens, 2 ♂ mat. (466 mm TL) and 2 ♀ (444–445 mm TL)
South Atlantic, Brazil, RS, 32°06'56"S, 50°07'02"W–32°10'47"S, 50°08'08"W, 200 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 26–28.vii.1997, P.C. Rodrigues *don.*, 07.viii.1997, J.M.R. Soto *det.*, 07.viii.1997
- MOVI 08823–08841 (19) specimens, 6 ♂ mat. (464–561 mm TL) and 13 ♀ mat. (433–546 mm TL)
South Atlantic, Brazil, RS, 29°23'10"S, 48°21'20"W–31°03'57"S, 49°24'38"W, 160–320 m, FV "Master Fish", bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 17–22.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10088–10093 (6) specimens, 3 ♂ mat. (484–537 mm TL) and 3 ♀ mat. (485–548 mm TL)
South Atlantic, Brazil, RS, 32°12'48"S, 50°08'31"W, 240 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 29.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10161 (1) egg capsule (59 mm TL)
South Atlantic, Brazil, RS, 31°00'50"S, 49°20'35"W, 300 m, FV "Master Fish", bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 21.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 09.iv.1998
- MOVI 10162 (1) egg capsule (55 mm TL)
South Atlantic, Brazil, RS, 31°03'57"S, 49°24'37"W, 300–320 m, FV "Master Fish", bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 22.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 09.iv.1998
- MOVI 17270–17273 (4) specimens, ♂ (424–617 mm TL)
South Atlantic, Brazil, RS, 32°05'S, 50°07'W–32°51'S, 50°25'W, 150–400 m, FV "Saga de Thor", bottom trawl
M.V. Kitahara *leg.*, 27.v–04.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

- MOVI 17276–17278 (3) specimens, ♂ (413–486 mm TL)
South Atlantic, Brazil, RS, 32°40.575'S, 50°22.145'W–32°30.830'S, 50°17.365'W, 300 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 02.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001
- MOVI 17389–17391 (3) specimens, 2 ♂ (467–541 mm TL) and 1 ♀ (462 mm TL)
South Atlantic, Brazil, RS, 32°19'S, 50°11'W–32°29'S, 50°16'W, 349–400 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 27.v.2001, M.V. Kitahara *don.*, 05.vi.2001, M.M. Mincarone *det.*, 06.viii.2001
- MOVI 17393–17394 (2) specimens, ♂ (470–512 mm TL)
South Atlantic, Brazil, RS, 32°29.820'S, 50°16.753'W–32°19.528'S, 50°11.481'W, 330–370 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 27.v.2001, M.V. Kitahara *don.*, 05.vi.2001, M.M. Mincarone *det.*, 06.viii.2001
- MOVI 17399–17405 (7) specimens, 5 ♂ (433–600 mm TL) and 2 ♀ (381–390 mm TL)
South Atlantic, Brazil, RS, 32°26.664'S, 50°16.897'W, 32°38.378'S, 50°21.078'W, 280 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 27.v.2001, M.V. Kitahara *don.*, 05.vi.2001, M.M. Mincarone *det.*, 06.viii.2001
- MOVI 17406–17410 (5) specimens, 3 ♂ (320–583 mm TL) and 2 ♀ (340–370 mm TL)
South Atlantic, Brazil, RS, 32°38.222'S, 50°20.900'W–32°28.984'S, 50°16.627'W, 300–340 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 28.v.2001, M.V. Kitahara *don.*, 05.vi.2001, M.M. Mincarone *det.*, 06.viii.2001
- MOVI 17411–17416 (6) specimens, 3 ♂ (347–396 mm TL) and 3 ♀ (310–388 mm TL)
South Atlantic, Brazil, RS, 32°31'S, 50°17'W–32°41'S, 50°22'W, 300–340 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 31.v.2001, M.V. Kitahara *don.*, 05.vi.2001, M.M. Mincarone *det.*, 06.viii.2001
- MOVI 17432–17434 (3) specimens, 2 ♂ (226–270 mm TL) and 1 ♀ (279 mm TL)
South Atlantic, Brazil, RS, 32°19.847'S, 50°11.609'W–32°27.406'S, 50°15.424'W, 300 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 01.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, M.M. Mincarone *det.*, 06.viii.2001
- MOVI 20279–20283 (5) specimens, 3 ♂ (497–529 mm TL) and 2 ♀ (465–498 mm TL)
South Atlantic, Brazil, RS, 33°22.615'S, 50°54.150'W–33°26.828'S, 50°56.153'W, 130–132 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 12.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, M.M. Mincarone *det.*, 04.iii.2002
- MOVI 20289–20295 (7) specimens, 5 ♂ (423–510 mm TL) and 2 ♀ (413–456 mm TL)
South Atlantic, Brazil, RS, 33°26.248'S, 50°54.072'W–33°22.500'S, 50°47.493'W, 134–138 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 12.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, M.M. Mincarone *det.*, 04.iii.2002
- MOVI 21020 (1) egg capsule (55 mm TL)
South Atlantic, Brazil, PR, 25°55.54'S, 45°37.79'W, 318 m, FV “Slebech”, bottom gillnet
F.D. Rosa *leg.*, 06.ii.2002, F.D. Rosa *don.*, 23.ii.2002, J.M.R. Soto *det.*, 23.ii.2002
- MOVI 22720 (1) specimen, ♀ (399 mm TL)
South Atlantic, Brazil, RS, 32°18.089'S, 50°11.100'W–32°28.352'S, 50°15.945'W, 360–360 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 06.v.2002, C.E.N. Consulim *don.*, 23.v.2002, M.M. Mincarone *det.*, 14.vi.2002
- MOVI 22729 (1) specimen, ♂ (554 mm TL)
South Atlantic, Brazil, RS, 32°54.468'S, 50°25.279'W–32°41.645'S, 50°21.429'W, 410–450 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 07.v.2002, C.E.N. Consulim *don.*, 23.v.2002, M.M. Mincarone *det.*, 14.vi.2002
- MOVI 22747 (1) specimen, ♂ (577 mm TL)
South Atlantic, Brazil, RS, 32°43.215'S, 50°23.904'W–32°56.376'S, 50°25.317'W, 400 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 09.v.2002, C.E.N. Consulim *don.*, 23.v.2002, M.M. Mincarone *det.*, 18.vi.2002
- MOVI 22748 (1) specimen, ♂ (483 mm TL)
South Atlantic, Brazil, RS, 32°49.123'S, 50°23.450'W–32°51.185'S, 50°24.879'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 10.v.2002, C.E.N. Consulim *don.*, 23.v.2002, M.M. Mincarone *det.*, 18.vi.2002
- MOVI 22749 (1) specimen, ♀ (417 mm TL)
South Atlantic, Brazil, RS, 32°55.718'S, 50°25.690'W–32°53.835'S, 50°25.452'W, 380–400 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 11.v.2002, C.E.N. Consulim *don.*, 23.v.2002, M.M. Mincarone *det.*, 18.vi.2002
- MOVI 22757 (1) specimen, ♀ (521 mm TL)
South Atlantic, Brazil, RS, 32°17.476'S, 50°10.810'W–32°30.765'S, 50°17.184'W, 360–360 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, M.M. Mincarone *det.*, 18.vi.2002

- MOVI 22793 (1) specimen, ♀ (449 mm TL)
South Atlantic, Brazil, RS, 32°27.265'S, 50°15.348'W–32°38.097'S, 50°20.283'W, 380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 09.v.2002, C.E.N. Consulim *don.*, 23.v.2002, M.M. Mincarone *det.*, 20.vi.2002
- MOVI 23045–23051 (7) specimens, 6 ♂ (502–600 mm TL) and 1 ♀ (540 mm TL)
South Atlantic, Brazil, RS, 32°55.954'S, 50°25.020'W–32°46.000'S, 50°23.844'W, 350–420 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 09.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 03.vii.2002
- MOVI 23052–23054 (3) specimens, 1 ♂ (541 mm TL) and 2 ♀ (478–495 mm TL)
South Atlantic, Brazil, RS, 32°47.500'S, 50°23.926'W–32°50.797'S, 50°24.845'W, 370–400 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 10.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 03.vii.2002
- MOVI 23055–23058 (4) specimens, 2 ♂ (501–545 mm TL) and 2 ♀ (531–539 mm TL)
South Atlantic, Brazil, RS, 32°49.123'S, 50°23.450'W–32°51.185'S, 50°24.879'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 10.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002
- MOVI 23059–23061 (3) specimens, ♀ (483–543 mm TL)
South Atlantic, Brazil, RS, 32°55.718'S, 50°25.690'W–32°53.835'S, 50°25.452'W, 380–400 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 11.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23063–23065 (3) specimens, 2 ♂ (336–405 mm TL) and 1 ♀ (557 mm TL)
South Atlantic, Brazil, RS, 32°51.945'S, 50°24.710'W–32°37.075'S, 50°20.067'W, 360–390 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 12.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23067–23069 (3) specimens, ♀ (350–515 mm TL)
South Atlantic, Brazil, RS, 32°34.720'S, 50°18.975'W–32°51.881'S, 50°25.117'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 12.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23079–23085 (7) specimens, 4 ♂ (360–555 mm TL) and 3 ♀ (398–546 mm TL)
South Atlantic, Brazil, RS, 32°34.464'S, 50°19.084'W–32°55.016'S, 50°25.638'W, 370–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 13.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23100 (1) specimen, ♀ (500 mm TL)
South Atlantic, Brazil, RS, 32°22.572'S, 50°12.817'W–32°35.976'S, 50°19.567'W, 380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 20.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23124–23127 (4) specimens, 3 ♂ (490–579 mm TL) and 1 ♀ (442 mm TL)
South Atlantic, Brazil, RS, 32°00.449'S, 50°10.677'W–31°48.070'S, 50°08.641'W, 160 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23132–23134 (3) specimens, 1 ♂ (497 mm TL) and 2 ♀ (459–503 mm TL)
South Atlantic, Brazil, RS, 31°47.648'S, 50°08.506'W–31°35.113'S, 50°08.175'W, 140–150 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23135–23137 (3) specimens, ♀ (347–500 mm TL)
South Atlantic, Brazil, RS, 32°41.006'S, 50°21.580'W–32°54.921'S, 50°25.660'W, 370–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 19.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23140–23142 (3) specimens, 1 ♂ (525 mm TL) and 2 ♀ (437–480 mm TL)
South Atlantic, Brazil, RS, 31°35.113'S, 50°08.175'W–32°56.376'S, 50°25.745'W, 140–450 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 04–23.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 24428–24437 (10) specimens, 5 ♂ (414–555 mm TL) and 5 ♀ (350–522 mm TL)
South Atlantic, Brazil, RS, 32°59.230'S, 50°24.996'W–32°47.738'S, 50°23.878'W, 370–392 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 29.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24438–24444 (7) specimens, 1 ♂ (290 mm TL) and 6 ♀ (333–495 mm TL)
South Atlantic, Brazil, RS, 32°46.560'S, 50°23.532'W–32°59.735'S, 50°25.943'W, 373–389 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 29.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24445–24448 (4) specimens, 1 ♂ (475 mm TL) and 3 ♀ (356–516 mm TL)
South Atlantic, Brazil, RS, 32°53.536'S, 50°25.266'W–32°41.175'S, 50°21.394'W, 370–387 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 31.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

- MOVI 24449–24455 (7) specimens, 2 ♂ (408–569 mm TL) and 5 ♀ (410–527 mm TL)
South Atlantic, Brazil, RS, 32°58.918'S, 50°25.410'W–32°46.648'S, 50°24.011'W, 350–375 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 03.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24456–24457 (2) specimens, ♀ (459–472 mm TL)
South Atlantic, Brazil, RS, 32°58.758'S, 50°25.781'W–32°46.539'S, 50°23.572'W, 383–388 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 29.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24458 (1) specimen, ♀ (485 mm TL)
South Atlantic, Brazil, RS, 32°47.688'S, 50°24.192'W–33°00.214'S, 50°25.485'W, 366–386 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 04.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24459 (1) specimen, ♀ (388 mm TL)
South Atlantic, Brazil, RS, 32°19.630'S, 50°11.258'W–33°47.626'S, 50°49.912'W, 82–470 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 24.vii–08.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24585 (formerly LEAM) (1) specimen, ♂ immat. (326 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002
- MOVI 25516 (1) specimen, ♂ (552 mm TL)
South Atlantic, Brazil, RS, 34°02.53'S, 51°43.97'W–34°06.53'S, 51°48.90'W, 561–585 m, FV “Kinpo Maru 58”, trap
C.M. Lima-Silva *leg.*, 21.viii.2002, C.M. Lima-Silva *don.*, ix.2002, J.M.R. Soto *det.*, 01.xi.2002

***Scyliorhinus stellaris* (Linnaeus, 1758)**

- MOVI 16016 (formerly MCTA) (1) egg capsule (114 mm TL)
Mediterranean Sea, Spain, Barcelona, Palamos beach, Girona, bottom trawl
J. Ribé-L. *leg.*, ix.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000
- MOVI 16715 (formerly MCTA) (1) specimen, ♀ mat. (622 mm TL)
North Atlantic, off southern Ireland, Great Sole Bank, 50°N, 10°W
anonymous *leg.*, v.2000, J. Ribé-L. *don.*, 21.v.2001, J. Ribé-L. *det.*, i.2000
- MOVI 25288 (1) specimen, ♀ immat. (572 mm TL)
North Atlantic, off southern Ireland, Great Sole Bank, 50°N, 10°W
anonymous *leg.*, vi.2000, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002
- MOVI 25308–25309 (2) egg capsules (98–105 mm TL)
North Atlantic, Spain, Andalucia, Cádiz, Strait of Gibraltar, bottom trawl
anonymous *leg.*, 2000, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Scyliorhinus retifer* (Garman, 1881)**

- MOVI 19535–19537 (formerly USNM 158065) (3) specimens, 1 ♂ (279 mm TL) and 2 ♀ (254–498 mm TL)
North Atlantic, SW of Dry Tortugas, 24°29'N, 83°27'W–24°25'N, 83°23'W, 215 m, MV “Oregon”
anonymous *leg.*, date unknown, S.L. Jewett *don.*, 14.xi.2001, J.M.R. Soto *det.*, 03.xii.2001
Remarks: original lot with 44 specimens.
- MOVI 31038 (formerly CAS 218664) (1) specimen, ♀ (278 mm TL)
North Atlantic, USA, Mississippi, Gulf of Mexico, 29°30'N, 87°10'W, 207 fm [379 m], MV “Oregon”, flat trawl
anonymous *leg.* (U.S. Fish & Wildlife Service), 01.xii.1962, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Scyliorhinus* sp. A**

- MOVI 10200–10201 (2), specimens, ♂ mat. (384–388 mm TL)
South Atlantic, Brazil, SC, 29°44'49”S, 47°49'57”W, 430 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 30.v.1997, P.C. Rodrigues *don.*, 06.vi.1997, J.M.R. Soto *det.*, 02.iv.2001
- MOVI 10205 (1), specimen, ♀ mat. (490 mm TL, 500 g)
South Atlantic, Brazil, SC, 30°36'20”S, 48°34'12”W, 510 m, FV “Iporanga”, bottom longline
anonymous *leg.*, xii.1998, V.M. Inêz *don.*, 18.ii.1999, J.M.R. Soto *det.*, 02.iv.2001

***Scyliorhinus* sp. B**

MOVI 16421 (1) specimen, ♂ mat. (488 mm TL)
South Atlantic, Brazil, PE, 10°59'06"S, 36°42'03"W, 300 m, RV "Prof. Martins Filho", bottom longline
G. Rincón-Filho *leg.*, xi.1997, G. Rincón-Filho *don.*, 03.xi.2000
Remarks: this species has been described by other authors.

Family PROSCYLLIIDAE

***Eridacnis radcliffei* Smith, 1913**

MOVI 31030–31031 (formerly CAS 33796) (2) specimens, ♂ (216 mm TL) and ♀ (235 mm TL)
Indo-Pacific, Philippines, Marinduque Island, N of Silangan Point, 90–107 fm [165–196 m]
J.E. Norton *leg.*, 13.ix.1966, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, 06.iii.1976

Family PSEUDOTRIAKIDAE

***Pseudotriakis microdon* Brito Capello, 1867**

MOVI 19659 (1) photographs, ♀ (2670 mm TL, 85.5 kg)
South Atlantic, Brazil, 07°24'S, 34°27'W, 450 m
G. Rincón-Filho *leg.*, 03.xii.1998, G. Rincón-Filho *don.*, xi.2000, G. Rincón-Filho *det.*, xii.1998

Family TRIAKIDAE

***Galeorhinus galeus* (Linnaeus, 1758)**

MOVI 00081 (formerly MCNC) (1) jaws, SU (TLU)
South Atlantic, Brazil, RS, 5 km off Imbé, 6–8 m, FV "Capitão Rodrigo", gillnet
J.M.R. Soto *leg.*, 28.vii.1990, J.M.R. Soto *don.*, 28.vii.1990, J.M.R. Soto *det.*, 14.vi.1991

MOVI 00141 (formerly MCNC) (1) specimen, ♂ embr. (207 mm TL)
South Atlantic, Brazil, RS, 25 km off Tramandaí, 18 m, FV "Laureano IV", bottom gillnet
J.M.R. Soto *leg.*, i.1990, J.M.R. Soto *don.*, i.1990, J.M.R. Soto *det.*, 01.vii.1991

MOVI 00639–00640 (formerly MCNC) (2) specimens, 1 ♂ immat. (507 mm TL) and 1 ♀ immat. (500 mm TL)
South Atlantic, Brazil, RS, 8 km off Pinhal, 10–12 m, FV "Laureano IV", gillnet
J.M.R. Soto & C.J.C. Sanchez *leg.*, 03.ii.1991, J.M.R. Soto & C.J.C. Sanchez *don.*, 07.ii.1991, J.M.R. Soto *det.*, 16.iii.1992

MOVI 01160 (formerly MCNC) (1) specimen, ♂ immat. (723 mm TL)
South Atlantic, Brazil, RS, 3 km off Pinhal, 6 m, FV "Laureano IV", gillnet
J.M.R. Soto & E.L. Becker *leg.*, 16.ii.1992, J.M.R. Soto & E.L. Becker *don.*, 16.ii.1992, J.M.R. Soto *det.*, 16.vii.1992

MOVI 08802 (1) specimen, ♂ mat. (1245 mm TL)
South Atlantic, Brazil, RS, 32°06'56"S, 50°07'02"W, 200 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 26.vii.1997, P.C. Rodrigues *don.*, 07.viii.1997, J.M.R. Soto *det.*, 07.viii.1997

MOVI 08851 (1) specimen, ♂ mat. (1252 mm TL)
South Atlantic, Brazil, RS, 32°02'08"S, 50°04'37"W, 200 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 28.ix.1997, P.C. Rodrigues *don.*, 08.x.1997, J.M.R. Soto *det.*, 06.xii.1997

MOVI 08822 (1) head, SU mat. (TLU)
South Atlantic, Brazil, RS, 31°03'57"S, 49°24'38"W, 320 m, FV "Master Fish", bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 22.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 26.iii.1998

MOVI 15987 (1) head, SU (TLU)
South Atlantic, Brazil, SC, north coast of Santa Catarina State
M. Hostim-Silva *leg.*, 1994–1998, M. Hostim-Silva *don.*, vii.1999, J.M.R. Soto *det.*, vii.1999

MOVI 23036 (1) head, SU mat. (TLU)
South Atlantic, Brazil, RS, 32°51.945'S, 50°24.710'W–32°37.075'S, 50°20.067'W, 360–390 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 12.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

- MOVI 24310 (1) head, SU mat. (TLU)
South Atlantic, Brazil, RS, 32°46.560'S, 50°23.532'W–32°59.735'S, 50°25.943'W, 373–389 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 29.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24664 (formerly LEAM 47) (1) specimen, ♂ mat. (1305 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24665 (formerly LEAM 53) (1) specimen, ♂ mat. (1275 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24666–24667 (formerly LEAM) (2) heads, SU mat. (TLU)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24679 (formerly LEAM 131) (1) specimen, ♀ immat. (564 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, 50 m, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 25415 (formerly LEAM) (1) specimen, ♀ (481 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 14.xi.1980, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25416 (formerly LEAM) (1) specimen, ♀ (768 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, 68 m, RV “Atlântico Sul”
C.M. Vooren *leg.*, 18.vi.1980, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25766–25776 (11) heads, SU (TLU)
South Atlantic, Brazil, RS, 32°02.348'S, 50°03.545'W–32°02.986'S, 50°03.717'W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, J.M.R. Soto *det.*, 07.xi.2002
- MOVI 25831 (formerly LEAM) (1) specimen, ♂ embr. (184 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 12.xi.2002
- MOVI 25832–25835 (formerly LEAM) (4) specimens, ♂ embr. (79–88 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 12.xi.2002

***Mustelus asterias* Cloquet, 1821**

- MOVI 15998 (formerly MCTA) (1) specimen, ♀ (792 mm TL)
Mediterranean Sea, Spain, Barcelona, Palamos beach, Girona
J. Ribé-L. *leg.*, ix.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000
- MOVI 16044 (formerly MCTA) (1) jaws, SU (TLU)
Mediterranean Sea, Spain, Barcelona, Vilanova, Ila Gertru
anonymous *leg.*, vi.1990, J. Ribé-L. *don.*, 08.iv.2000, J. Ribé-L. *det.*, 08.iv.2000

***Mustelus californicus* Gill, 1864**

- MOVI 31023–31024 (formerly CAS 13158) (2) specimens, ♂ (183 mm TL) and ♀ (199 mm TL)
North Pacific, USA, California, Monterey Bay
W.M. Morton *leg.*, 28.i.1944, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, 1977

***Mustelus canis* (Mitchill, 1815)**

- MOVI 00155 (formerly MCNC) (1) specimen, ♀ (899 mm TL)
South Atlantic, Brazil, RS, 40 km off Tramandaí, 46 m, FV “Capitão Rodrigo”, gillnet
J.M.R. Soto & M.A. Dias *leg.*, 26.vii.1990, J.M.R. Soto & M.A. Dias *don.*, 26.vii.1990, J.M.R. Soto *det.*, 02.vii.1991
- MOVI 00618–00630 (formerly MCNC) (13) specimens, 7 ♂ embr. (181–195 mm TL) and 6 ♀ embr. (186–206 mm TL)

South Atlantic, Brazil, RS, 3 km off Tramandaí, 6 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, 03.x.1991, J.M.R. Soto & S.S. Vega *don.*, 07.x.1991, J.M.R. Soto *det.*, 16.iii.1992

MOVI 01560–01568 (formerly MCNC) (9) specimens, 5 ♂ embr. (180–190 mm TL) and 4 ♀ embr. (175–191 mm TL)
South Atlantic, Brazil, RS, 50 km off Mostardas, 50 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, 29.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 02.xi.1992, J.M.R. Soto *det.*, 11.xi.1992

MOVI 01569–01576 (formerly MCNC) (8) specimens, 6 ♂ embr. (194–214 mm TL) and 2 ♀ embr. (211–212 mm TL)
South Atlantic, Brazil, RS, 50 km off Mostardas, 50 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, 29.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 02.xi.1992, J.M.R. Soto *det.*, 11.xi.1992

MOVI 01577–01590 (formerly MCNC) (14) specimens, 8 ♂ embr. (189–199 mm TL) and 6 ♀ embr. (189–205 mm TL)
South Atlantic, Brazil, RS, 50 km off Mostardas, 50 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, 29.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 02.xi.1992, J.M.R. Soto *det.*, 11.xi.1992

MOVI 01591–01599 (formerly MCNC) (9) specimens, 5 ♂ embr. (170–179 mm TL), 4 ♀ embr. (170–176 mm TL)
South Atlantic, Brazil, RS, 50 km off Mostardas, 50 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, 29.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 02.xi.1992, J.M.R. Soto *det.*, 11.xi.1992

MOVI 01600–01605 (formerly MCNC) (6) specimens, 1 ♂ embr. (219 mm TL) and 5 ♀ embr. (217–220 mm TL)
South Atlantic, Brazil, RS, 50 km off Mostardas, 50 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, 29.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 02.xi.1992, J.M.R. Soto *det.*, 11.xi.1992

MOVI 01606–01612 (formerly MCNC) (7) specimens, 4 ♂ embr. (209–220 mm TL) and 3 ♀ embr. (216–223 mm TL)
South Atlantic, Brazil, RS, 50 km off Mostardas, 50 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, 29.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 02.xi.1992, J.M.R. Soto *det.*, 11.xi.1992

MOVI 01613–01618 (formerly MCNC) (6) specimens, 5 ♂ embr. (172–177 mm TL) and 1 ♀ embr. (175 mm TL)
South Atlantic, Brazil, RS, 50 km off Mostardas, 50 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, 29.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 02.xi.1992, J.M.R. Soto *det.*, 11.xi.1992

MOVI 04890 (1) specimen, ♂ mat. (868 mm TL)
South Atlantic, Brazil, SC, 28°52'33"S, 48°36'04"W, 80 m
J.E. Kotas *leg.*, 16.iv.1995, J.E. Kotas *don.*, 20.iv.1995, J.M.R. Soto *det.*, 26.iii.1998

MOVI 08438–08488 (51) specimens, 38 ♂ (565–920 mm TL) and 13 ♀ (560–775 mm TL)
South Atlantic, Brazil, RS, 31°05'25"S, 49°32'19"W–31°12'19"S, 49°48'11"W, 130–164 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 13–15.iii.1997, P.C. Rodrigues *don.*, 20.iii.1997, J.M.R. Soto *det.*, 27.iii.1997
Remarks: specimen 08466 donated to MCTA; specimen 08448 and 08465 donated to MPEG.

MOVI 08693 (1) specimen, ♀ immat. (509 mm TL)
South Atlantic, Brazil, RS, 29°58'12"S, 48°34'47"W, 140 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 29.vi.1997, P.C. Rodrigues *don.*, 11.vii.1997, J.M.R. Soto *det.*, 15.vii.1997

MOVI 08849 (1) specimen, ♀ mat. (1100 mm TL)
South Atlantic, Brazil, RS, 32°12'48"S, 50°08'31"W, 240 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 29.ix.1997, P.C. Rodrigues *don.*, 08.x.1997, J.M.R. Soto *det.*, 06.xii.1997

MOVI 10124 (1) specimen, ♂ mat. (876 mm TL)
South Atlantic, Brazil, RS, 29°55'15"S, 48°31'42"W, 315 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 17.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 26.iii.1998

MOVI 24700 (formerly LEAM) (1) head, SU mat. (TLU)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

***Mustelus fasciatus* (Garman, 1913)**

MOVI 00120 (formerly MCNC) (1) specimen, ♀ immat. (488 mm TL)
South Atlantic, Brazil, RS, 7 km off Torres, 10 m
anonymous *leg.*, ii.1986, J.M.R. Soto *don.*, 29.i.1987, J.M.R. Soto *det.*, 20.vi.1991

MOVI 00143–00144 (formerly MCNC) (2) specimens, ♂ embr. (188 mm TL) and ♀ embr. (184 mm TL)

- South Atlantic, Brazil, RS, 25 km off Mostardas, 20–30 m, FV “Laureano IV”, bottom gillnet
J.M.R. Soto *leg.*, 17–18.i.1990, J.M.R. Soto *don.*, 18.i.1990, J.M.R. Soto *det.*, 01.vii.1991
- MOVI 01149–01150 (formerly MCNC) (2) specimens, ♀ immat. (573–578 mm TL)
South Atlantic, Brazil, RS, 6 km off Tramandaí, 8–9 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, iii.1992, J.M.R. Soto *don.*, iii.1992, J.M.R. Soto *det.*, 16.vii.1992
- MOVI 05442–05448 (7) specimens, 6 ♂ immat. (369–416 mm TL) and 1 ♀ immat. (352 mm TL)
South Atlantic, Brazil, RS, coast of Santa Vitória do Palmar, 2–3 m, gillnet
J.M.R. Soto *et al. leg.*, 03.xi.1995, J.M.R. Soto *et al. don.*, 06.xi.1995, J.M.R. Soto *det.*, 03.xi.1995
Remarks: specimen 05443 donated to IPSP; specimen 05446 donated to MCTA; specimen 05448 donated to USNM.
- MOVI 08436–08437 (2) head, 1 SU mat. (TLU) and specimen, 1 ♀ immat. (394 mm TL)
South Atlantic, Brazil, RS, coast of Tavares, gillnet
M.A.C. Souza-Filho *et al. leg.*, 05.xii.1996, M.A.C. Souza-Filho *et al. don.* 07.xii.1996, J.M.R. Soto *det.*, 15.vii.1997
- MOVI 08804 (1) specimen, ♂ mat. (1350 mm TL)
South Atlantic, Brazil, RS, 32°10'47"S, 50°08'08"W, 200 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 28.vii.1997, P.C. Rodrigues *don.*, 07.viii.1997, J.M.R. Soto *det.*, 07.viii.1997
- MOVI 10139 (formerly MCNC) (1) photograph, ♂ mat. (1250 mm TL)
South Atlantic, Brazil, RS, 40 km off Tramandaí, 42 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, iii.1992, W. Nisa-Castro-Neto *don.*, iii.1992, J.M.R. Soto *det.*, iii.1992
- MOVI 24661 (formerly LEAM 38) (1) specimen, ♀ mat. (1485 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24668 (formerly LEAM 81) (1) specimen, ♂ immat. (1025 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24669 (formerly LEAM) (1) specimen, ♀ immat. (762 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24670 (formerly LEAM) (1) specimen, ♂ immat. (644 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24671 (formerly LEAM 107) (1) specimen, ♂ immat. (553 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24672–24673 (formerly LEAM 99) (2) specimens, 1 ♂ (414 mm TL) and 1 ♀ (305 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 05.xi.1986, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24674 (formerly LEAM 55) (1) specimen, ♂ immat. (561 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24675–24677 (formerly LEAM) (3) specimens, 2 ♂ immat. (483–487 mm TL) and 1 ♀ immat. (496 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24678 (formerly LEAM) (1) specimen, ♀ immat. (502 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 29.iii.1980, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24711 (formerly LEAM) (1) specimen, ♀ immat. (452 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24886 (formerly LEAM) (1) specimen, ♀ embr. (342 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

***Mustelus henlei* (Gill, 1863)**

MOVI 31034–31035 (formerly CAS 40629) (2) specimens, ♂ (190 mm TL) and ♀ (191 mm TL)
North America, USA, California, Elkhorn slough
W.W. Schreebeli *leg.*, 21.vi.1959, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, 24.xii.1977

***Mustelus higmani* Springer & Lowe, 1963**

MOVI 24132 (1) specimen, ♂ mat. (478 mm TL)
South Atlantic, Brazil, BA, Belmonte
C.L.S. Sampaio & F. Dortas *leg.*, 20.xii.2001, C.L.S. Sampaio *don.*, 24.vii.2002, C.L.S. Sampaio *det.*, 24.vii.2002

MOVI 24697–24699 (formerly LEAM 138) (3) specimens, ♀ (224–315 mm TL)
North Atlantic, Brazil, AP, coast of Amapá State, 50 m
anonymous *leg.*, i–ii.1981, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

***Mustelus norrisi* Springer, 1940**

MOVI 24701–24703 (formerly LEAM 138) (3) specimens, 2 ♂ (305–310 mm TL) and 1 ♀ (346 mm TL)
North Atlantic, Brazil, AP, coast of Amapá State, 50 m
anonymous *leg.*, i–ii.1981, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24887–24900 (formerly LEAM) (14) specimens, 7 ♂ embr. (227–249 mm TL) and 7 ♀ embr. (230–254 mm TL)
North Atlantic, Brazil, AP, coast of Amapá State, 50 m
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 25260–25276 (formerly LEAM 113) (17) specimens, 9 ♂ (331–534 mm TL) and 8 ♀ (350–385 mm TL)
North Atlantic, Brazil, AP, coast of Amapá State, 50 m
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 16.x.2002

***Mustelus schmitti* Springer, 1939**

MOVI 00128 (formerly MCNC) (1) specimen, ♂ immat. (467 mm TL)
South Atlantic, Brazil, RS, 5 km off Tramandaí, 8 m
anonymous *leg.*, ii.1988, J.M.R. Soto *don.*, iii.1988, J.M.R. Soto *det.*, 20.vi.1991
Remarks: specimen donated to USNM.

MOVI 00129 (formerly MCNC) (1) specimen, ♂ immat. (471 mm TL)
South Atlantic, Brazil, RS, 5 km off Tramandaí, 8 m, FV “Laureano V”, gillnet
J.M.R. Soto *leg.*, 22–23.ii.1988, J.M.R. Soto *don.*, 23.ii.1988, J.M.R. Soto *det.*, 20.vi.1991

MOVI 00634 (formerly MCNC) (1) specimen, ♀ immat. (487 mm TL)
South Atlantic, Brazil, RS, 8 km off Imbé, 12 m, FV “Laureano V”, gillnet
R.S. Bacelar *leg.*, 02.x.1991, J.M.R. Soto & S.S. Vega *don.*, 07.x.1991, J.M.R. Soto *det.*, 16.iii.1992

MOVI 00635 (formerly MCNC) (1) specimen, ♂ mat. (642 mm TL)
South Atlantic, Brazil, RS, 8 km off Imbé, 12 m, FV “Laureano V”, gillnet
R.S. Bacelar *leg.*, 02.x.1991, J.M.R. Soto & S.S. Vega *don.*, 07.x.1991, J.M.R. Soto *det.*, 16.iii.1992

MOVI 01154 (formerly MCNC) (1) specimen, ♀ immat. (505 mm TL)
South Atlantic, Brazil, RS, 20 km off Pinhal, 22 m, FV “Laureano V”, baited gillnet
J.M.R. Soto *leg.*, 11.ii.1990, J.M.R. Soto *don.*, 11.ii.1990, J.M.R. Soto *det.*, 16.vii.1992

MOVI 05449–05451 (3) specimens, ♂ (471–657 mm cm TL)
South Atlantic, Brazil, RS, coast of Santa Vitória do Palmar, 2–3 m
J.M.R. Soto *et al. leg.*, 03.xi.1995, J.M.R. Soto *et al. don.*, 06.xi.1995, J.M.R. Soto *det.*, 03.xi.1995
Remarks: specimen 05450 donated to IPSP.

MOVI 08694 (1) specimen, ♂ immat. (436 mm TL)

- South Atlantic, Brazil, RS, 29°58'12"S, 48°34'47"W, 140 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 29.vi.1997, P.C. Rodrigues *don.*, 11.vii.1997, J.M.R. Soto *det.*, 15.vii.1997
- MOVI 10121 (1) specimen, ♀ mat. (742 mm TL)
South Atlantic, Brazil, SC, 27°35'49"S, 48°01'02"W, 90 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 06.x.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10171 (1) specimen, ♂ embr. (208 mm TL)
South Atlantic, Brazil, SC, coast of Laguna, 35 m
C.M. Queiróz *leg.*, xi.1997, R.C. Mazzoleni *don.*, 24.iv.1998, J.M.R. Soto *det.*, 01.v.1998
- MOVI 16085–16088 (4) heads, 3 ♂ (640–660 mm TL) and 1 ♀ (650 cm TL)
South Atlantic, Brazil, RS, 50 km off Torres, 30 m, gillnet
J. Ramos *leg.*, 17.ix.1997, W. Nisa-Castro-Neto *don.*, ii.1998, J.M.R. Soto *det.*, 10.v.2000
- MOVI 23123 (1) specimen, ♂ (680 mm TL)
South Atlantic, Brazil, RS, 32°00.449'S, 50°10.677'W–31°48.070'S, 50°08.641'W, 160 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 24680 (formerly LEAM 58) (1) specimen, ♀ immat. (560 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24681 (formerly LEAM) (1) specimen, ♀ (725 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24682 (formerly LEAM) (1) specimen, ♂ immat. (628 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24683 (formerly LEAM) (1) specimen, ♂ immat. (495 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24684 (formerly LEAM 98) (1) specimen, ♀ immat. (665 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24685 (formerly LEAM) (1) specimen, ♀ immat. (544 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24686 (formerly LEAM) (1) specimen, ♀ immat. (581 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24687 (formerly LEAM 12) (1) specimen, ♂ immat. (434 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24688 (formerly LEAM 19) (1) specimen, ♀ mat. (712 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24689–24694 (formerly LEAM 21) (6) specimens, 1 ♀ mat. (821 mm TL), 2 ♂ embr. (235–247 mm TL) and 3 ♀ embr. (240–242 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 25412 (formerly LEAM) (1) specimen, ♂ (771 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002

MOVI 25413 (formerly LEAM) (1) specimen, ♀ (781 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002

MOVI 25528–25535 (formerly LEAM) (8) specimens, 1 ♀ mat. (787 mm TL), 2 ♂ embr. (226–227 mm TL) and 5 ♀ embr. (223–240 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

***Triakis scyllium* Müller & Henle, 1839**

MOVI 31042–31043 (formerly SU 7257) (2) specimens, ♂ (270 mm TL) and ♀ (265 mm TL)

North Pacific, Japan, Hiroshima Pref., Honshu Island, Inland Sea, Onomichi

D.S. Jordan & J.O. Snyder *leg.*, 1900, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

Family CARCHARHINIDAE

***Carcharhinus brachyurus* (Günther, 1870)**

MOVI 00075 (formerly MCNC) (1) jaws and photographs, ♂ mat. (2310 mm TL)

South Atlantic, Brazil, RS, 25 km off Mostardas, 23 m, FV “Laureano IV”, bottom gillnet

J.M.R. Soto *leg.*, 12–13.i.1990, J.M.R. Soto *don.*, 13.i.1990, J.M.R. Soto *det.*, 14.vi.1991

MOVI 08807 (1) specimen, ♂ mat. (2290 mm TL)

South Atlantic, Brazil, RS, 29°37’33”S, 48°36’02”W, 145 m, FV “Master Fish”, bottom longline

P.C. Rodrigues *leg.*, 30.v.1997, P.C. Rodrigues *don.*, 06.vi.1997, J.M.R. Soto *det.*, 26.iii.1998

MOVI 24642 (formerly LEAM 7) (1) specimen, ♀ immat. (970 mm TL)

South Atlantic, Brazil, RS, Conceição, 47 m

anonymous *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24643 (formerly LEAM 41) (1) specimen, ♂ immat. (822 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24644 (formerly LEAM 83) (1) specimen, ♂ immat. (934 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, 58 m, RV “Atlântico Sul”

C.M. Vooren *leg.*, 21.vi.1985, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24645 (formerly LEAM 95) (1) specimen, ♀ immat. (832 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24646 (formerly LEAM 5) (1) specimen, ♀ immat. (839 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren , 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24647 (formerly LEAM 84) (1) specimen, ♀ immat. (1110 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24648 (formerly LEAM) (1) specimen, ♂ immat. (701 mm TL)

South Atlantic, Brazil, RS, in front of Albardão Lighthouse, 38 m

C.M. Vooren *leg.*, 24.vi.1985, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

Remarks: specimen donated to MCTA.

MOVI 24652 (formerly LEAM 29) (1) head and fins, SU immat. (TLU)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 30446 (1) head, F (TLU)

South Atlantic, Brazil, 33°29.212’S, 50°11.698’W–33°54.741’S, 50°44.422’W, 30–60 m, FV “Macedo IV”, longline

J.B. Larré-Neto *leg.*, 18.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 28.vii.2003

MOVI 30447 (1) head, SU (TLU)

South Atlantic, Brazil, 33°34.980'S, 49°48.242'W–33°57.789'S, 50°22.003'W, 30–60 m, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 17.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 28.vii.2003

***Carcharhinus brevipinna* (Müller & Henle, 1839)**

MOVI 00080 (formerly MCNC) (1) jaws, SU (TLU)

South Atlantic, Brazil, RS, 50 km off Tramandaí, 50 m, FV “Capitão Rodrigo”, gillnet
J.M.R. Soto *leg.*, 15–16.vii.1990, J.M.R. Soto *don.*, 16.vii.1990, J.M.R. Soto *det.*, 14.vi.1991

MOVI 00104 (formerly MCNC) (1) specimen, ♂ immat. (1220 mm TL)

South Atlantic, Brazil, RS, 30 km off Tramandaí, 23 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, ii.1991, J.M.R. Soto & S.S. Vega *don.*, iii.1991, J.M.R. Soto *det.*, 20.vi.1991

MOVI 01978–01979 (2) specimens, ♂ immat. (655–775 mm TL)

South Atlantic, Brazil, SC, Penha, Armação de Itapocoroy beach
R.C. Mazzoleni & A.H. Roman *leg.*, xii.1993, R.C. Mazzoleni & A.H. Roman *don.*, xii.1993, R.C. Mazzoleni *det.*, 16.x.1994
Remarks: specimen 01978 donated to MMSA.

MOVI 08432–08435 (4) head and specimens, ♀ mat. (TLU), 2 ♂ embr. (630–640 mm TL) and 1 ♀ embr. (635 mm TL)

South Atlantic, Brazil, RS, coast of Tavares
M.A.C. Souza-Filho *et al. leg.*, 05.xii.1996, M.A.C. Souza-Filho *et al. don.*, 07.xii.1996, J.M.R. Soto *det.*, 15.vii.1997

MOVI 10141 (formerly MCNC) (1) photograph, ♂ immat. (TLU)

South Atlantic, Brazil, RS, 30 km off Nova Tramandaí, 28–35 m, FV “Laureano IV”, bottom gillnet
J.M.R. Soto *leg.*, 26–27.i.1992, J.M.R. Soto *don.*, 27.i.1992, J.M.R. Soto *det.*, iii.1992

MOVI 24627 (formerly LEAM 50) (1) head and fins, SU mat. (TLU)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24628 (formerly LEAM 102) (1) head, SU immat. (TLU)

South Atlantic, Brazil, RJ, Restinga de Marambaia beach, Barra de Guaratiba
A. Tomás & U.L. Gomes *leg.*, v.1982, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24629 (formerly LEAM 37) (1) head and fins, ♂ immat. (TLU)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24630 (formerly LEAM) (1) head and fins, ♀ immat. (TLU)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24631 (formerly LEAM 44) (1) specimen, ♂ immat. (1181 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24632–24633 (formerly LEAM 62) (2) specimens, 1 ♂ embr. (623 mm TL) and 1 ♀ embr. (625 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 05.xi.1986, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24663 (formerly LEAM) (1) specimen, ♀ immat. (593 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

***Carcharhinus falciformis* (Müller & Henle, 1839)**

MOVI 00076 (formerly MCNC) (1) jaws, ♂ (approx. 1 m TL)

South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, hand line
J.M.R. Soto *leg.*, 18.vi.1989, J.M.R. Soto *don.*, 02.vii.1990, J.M.R. Soto *det.*, 14.vi.1991

MOVI 00097 (formerly MCNC) (1) specimen, ♂ embr. (332 mm TL)

South Atlantic, Brazil, RS, 30 km off Imbé, 25 m, FV “Laureano V”, bottom gillnet

J.M.R. Soto *leg.*, 15.i.1989, J.M.R. Soto *don.*, 15.i.1989, J.M.R. Soto *det.*, 18.iii.1998

MOVI 03947 (1) specimen, ♂ embr. (455 mm TL)

South Atlantic, Brazil, RS, 30 km off Rio Grande do Sul State, 31°S

anonymous *leg.*, ix.1994, F.J.C. Silveira *don.*, 04.x.1994, J.M.R. Soto *det.*, 26.iii.1998

MOVI 05437–05441 (5) specimens, 2 ♂ embr. (490–505 mm TL) and 3 ♀ embr. (475–519 mm TL)

South Atlantic, Brazil, RS, 30°52'38"S, 49°40'21"W, FV "Iporanga"

V.M. Inêz *leg.*, 25.vii.1995, V.M. Inêz *don.*, 04.viii.1995, J.M.R. Soto *det.*, 04.viii.1995

MOVI 08510 (1) jaws, SU immat. (TLU)

North Atlantic, European coast

anonymous *leg.*, 1980's, A. Matamoros *don.*, 29.iv.1997, J.M.R. Soto *det.*, 15.vii.1997

MOVI 10126 (formerly MCNC) (1) photographs, ♀ mat. (2050 mm TL)

South Atlantic, Brazil, RS, Tramandaí, 50 km off Tramandaí, 45–50 m, FV "Laureano IV", bottom gillnet

J.M.R. Soto *leg.*, 14.i.1989, J.M.R. Soto *don.*, 18.i.1989, J.M.R. Soto *det.*, 01.iv.1998

MOVI 19401 (1) photograph, SU (TLU)

South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Pico do Frade, hand line

L.B. Veras *leg.*, i–ii.1997, J.M.R. Soto *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000

MOVI 24653 (formerly LEAM 104) (1) specimen, ♂ immat. (855 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24654 (formerly LEAM 97) (1) specimen, ♂ immat. (794 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24655 (formerly LEAM 82) (1) specimen, ♀ immat. (1130 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24656 (formerly LEAM 46) (1) specimen, ♀ immat. (560 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul", trawl

C.M. Vooren *leg.*, 20.xii.1982, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24657 (formerly LEAM) (1) specimen, ♂ immat. (443 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24658 (formerly LEAM 36) (1) head, SU mat. (TLU)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24659 (formerly LEAM) (1) head, SU immat. (TLU)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24660 (formerly LEAM 26) (1) head, SU immat. (TLU)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 37582 (1) specimen, ♀ (760 mm TL)

South Atlantic, Brazil, 29°30'S, 46°32'W–29°03'S, 46°07'W, 30–60 m, FV "Yamaya III", longline

S. Montealegre Q. *leg.*, 11.vi.2004, S. Montealegre Q. *don.*, 23.vi.2004, J.M.R. Soto *det.*, 23.vi.2004

***Carcharhinus galapagensis* (Snodgrass & Heller, 1905)**

MOVI 10182 (formerly MCNC) (1) photograph, SU (approx. 1.5 m TL)

North Atlantic, Brazil, São Pedro and São Paulo Archipelago, 0°55'10"N, 29°20'33"W

A.J. Edwards & H.R. Lubbock *leg.*, ix.1979, A.J. Edwards *don.*, 1991, A.J. Edwards & H.R. Lubbock *det.*, 1982

***Carcharhinus leucas* (Valenciennes, 1839)**

MOVI 00073 (formerly MCNC) (1) jaws, ♀ mat. (2800 mm TL)
South Atlantic, Brazil, RS, Imbé, 30 km off Imbé, 25–31 m, FV “Laureano V”, bottom gillnet
J.M.R. Soto *leg.*, 15.i.1989, J.M.R. Soto *don.*, 15.i.1989, J.M.R. Soto *det.*, 14.vi.1991

MOVI 10179 (1) photographs, ♀ mat. (approx. 2.3 m TL, 118 kg)
South Atlantic, Brazil, AM, Iranduba, Solimões river, 30 km from Manaus, 03°15’S, 60°20’W
W. Damasceno *leg.*, 17.i.1994, J.M.R. Soto *don.*, 20.iv.1998, J.M.R. Soto *det.*, 20.iv.1998

***Carcharhinus limbatus* (Valenciennes, 1839)**

MOVI 10160 (1) jaws, SU (TLU)
North Atlantic, Venezuela, Margarita Island
anonymous *leg.*, xii.1997, J.M.R. Soto *don.*, 23.xii.1997, J.M.R. Soto *det.*, 09.iv.1998

MOVI 24133 (1) specimen, 6 immat. (621 mm TL)
South Atlantic, Brazil, BA, Belmonte
C.L.S. Sampaio & F. Dortas *leg.*, 20.xii.2001, C.L.S. Sampaio *don.*, 24.vii.2002, C.L.S. Sampaio *det.*, 24.vii.2002

***Carcharhinus longimanus* (Poey, 1861)**

MOVI 05586 (1) specimen, ♀ embr. (558 mm TL)
South Atlantic, Brazil, 24°S–34°S
A.F. Amorim *leg.*, 1990, A.F. Amorim *don.*, ii.1996, J.M.R. Soto *det.*, 07.iii.1996

MOVI 16234 (1) specimen, ♂ (757 mm TL)
South Atlantic, Brazil, SC, 28°25’S, 45°20’W, 20–50 m, FV “Macedo I”, longline
E.B. Miranda *leg.*, 24.viii.2000, E.B. Miranda *don.*, 04.ix.2000, J.M.R. Soto *det.*, 04.ix.2000

MOVI 36559 (1) specimen, ♂ immat. (690 mm TL)
South Atlantic, 21°26’S, 25°02’W–21°27’S, 25°41’W, 30–60 m, FV “Yamaya III”, longline
J.C. Dias *leg.*, 29.iii.2004, J.C. Dias *don.*, 15.iv.2004, J.M.R. Soto *det.*, 07.v.2004

***Carcharhinus melanopterus* (Quoy & Gaimard, 1824)**

MOVI 10127 (formerly MCNC) (1) photographs, ♀ (approx. 1.5 m TL)
South Pacific, French Polynesian
S. Widholzer *leg.*, vii.1989, S. Widholzer *don.*, 16.v.1990, J.M.R. Soto *det.*, 01.iv.1998

MOVI 15997 (1) caudal fin, SU (TLU)
South Pacific, French Polynesian, Tahiti, Papeete, Isle Tahiti
anonymous *leg.*, 1995, P.N. França *don.*, 13.iv.2000, J.M.R. Soto *det.*, 13.iv.2000

***Carcharhinus obscurus* (LeSueur, 1818)**

MOVI 00108 (formerly MCNC) (1) specimen, ♂ embr. (615 mm TL)
South Atlantic, Brazil, RS, 50 km off Tramandaí, 47 m, FV “Laureano V”, bottom gillnet
J.M.R. Soto *leg.*, 15–16.ii.1990, J.M.R. Soto *don.*, 16.ii.1990, J.M.R. Soto *det.*, 18.iii.1998

MOVI 00121 (formerly MCNC) (1) specimen, ♂ embr. (533 mm TL)
South Atlantic, Brazil, RS, 20 km off Pinhal, 23 m, FV “Laureano V”, baited gillnet
J.M.R. Soto *leg.*, 17.i.1989, J.M.R. Soto *don.*, 17.i.1989, J.M.R. Soto *det.*, 20.vi.1991

MOVI 01381 (formerly MCNC) (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, RS, 45 km off Imbé, 50 m, gillnet
R.S. Bacelar *leg.*, xii.1991, J.M.R. Soto *don.*, i.1992, J.M.R. Soto *det.*, 09.ix.1992

MOVI 01969 (1) head, ♂ immat. (1200 mm TL)
South Atlantic, Brazil, SC, Barra Velha, gillnet
R.C. Mazzoleni & A.H. Roman *leg.*, 28.xi.1993, R.C. Mazzoleni & A.H. Roman *don.*, 28.xi.1993, J.M.R. Soto *det.*, 26.iii.1998

MOVI 03946 (1) specimen, ♂ newborn (880 mm TL)

South Atlantic, Brazil, SC, coast of Barra Velha, gillnet
R.C. Mazzoleni *leg.*, 11.ix.1994, R.C. Mazzoleni *don.*, 12.ix.1994, J.M.R. Soto *det.*, 26.iii.1998

MOVI 04446 (1) jaws, SU (TLU)
South Atlantic, Brazil, SC, 35 km off Barra Velha, gillnet
anonymous *leg.*, 27.xii.1994, R.C. Mazzoleni *don.*, 08.i.1995, R.C. Mazzoleni *det.*, 08.i.1995

MOVI 04726–04730 (5) specimens, ♂ embr. (474–672 mm TL)
South Atlantic, Brazil, SC, 28°45'48"S, 48°38'00"W, 70 m
J.E. Kotas *leg.*, 17.iv.1995, J.E. Kotas *don.*, 20.iv.1995, R.C. Mazzoleni *det.*, 20.iv.1995

MOVI 08511 (1) palatoquadrato, SU immat. (TLU)
South Atlantic, Brazil, SC, off northern Santa Catarina State
T.F. Mathias *leg.*, 1994, M.A.C. Souza-Filho *don.*, 19.xi.1995, J.M.R. Soto *det.*, 15.vii.1997

MOVI 05921 (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, SC, coast of Barra Velha, gillnet
C.T. Pereira *leg.*, 1992, A.P. Ferreira *don.*, 12.vi.1994, J.M.R. Soto *det.*, 26.iii.1998

MOVI 11257 (1) head, SU mat. (TLU)
South Atlantic, Brazil, RS, 29°54'13"S, 48°32'44"W, 140 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 08.xii.1997, P.C. Rodrigues *don.*, 19.xii.1997, J.M.R. Soto *det.*, 26.iii.1998

MOVI 10142 (1) photographs, 2 SU newborn siamese twins (TLU)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State
W. Nisa-Castro-Neto *leg.*, xii.1997, W.Nisa-Castro-Neto *don.*, xii.1997, W. Nisa-Castro-Neto *det.*, 13.xii.1997

MOVI 24625 (formerly LEAM 10) (1) specimen, ♀ immat. (1435 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 31298 (1) photograph, SU (TLU)
South Atlantic, Brazil, off northeastern Brazil
L.B. Veras *leg.*, 1997, L.B. Veras *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000

***Carcharhinus perezi* (Poey, 1876)**

MOVI 00086 (formerly MCNC) (1) jaws, SU (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, hand line
J.M.R. Soto *leg.*, vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 15.vi.1991

MOVI 05576 (formerly MCNC) (1) photographs, SU (approx. 2 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ponta da Sapata
J.M.R. Soto *leg.*, 16.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 18.iv.1996

MOVI 05577 (formerly MCNC) (1) photograph, SU immat. (approx. 80 cm TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel
J.M.R. Soto *leg.*, 21.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 18.iv.1996

MOVI 05578 (formerly MCNC) (1) photograph, SU (approx. 1.5 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel
J.M.R. Soto *leg.*, 21.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 18.iv.1996

MOVI 10134 (formerly MCNC) (1) photograph, SU (TLU)
South Atlantic, Brazil, RG, Rocas Atoll
E. Marcovaldi *leg.*, i.1990, J.M.R. Soto, 03.ix.1990, J.M.R. Soto *det.*, 03.ix.1990

MOVI 10135 (formerly MCNC) (1) photograph, SU (TLU)
South Atlantic, Brazil, RG, Rocas Atoll
E. Marcovaldi *leg.*, i.1990, J.M.R. Soto *don.*, 03.ix.1990, J.M.R. Soto *det.*, 03.ix.1990

MOVI 10144 (formerly MCNC) (1) photograph, SU (approx. 0.5 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel

J.M.R. Soto *leg.*, 17.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 05.vii.1989

MOVI 10145 (formerly MCNC) (1) photographs, SU (approx. 1.5 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Dois Irmãos Islands
J.M.R. Soto *leg.*, 16.viii.1990, J.M.R. Soto *don.*, 03.ix.1990, J.M.R. Soto *det.*, 03.ix.1990

MOVI 10146 (formerly MCNC) (1) photograph, SU (approx. 1.5 m TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Dois Irmãos Reef
J.M.R. Soto *leg.*, 16.viii.1990, J.M.R. Soto *don.*, 03.ix.1990, J.M.R. Soto *det.*, 03.ix.1990

MOVI 16299 (1) specimen, ♀ embr. (340 mm TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Mar de Dentro
J.R. Silva *leg.*, 03.iii.1992, J.R. Silva *don.*, 30.ix.2000, J.M.R. Soto *det.*, 03.x.2000

MOVI 16335 (1) caudal fin, SU immat. (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago
L.B. Veras *leg.*, 1996, L.B. Veras & R.C. Garla *don.*, 29.ix.2000, J.M.R. Soto *det.*, 29.ix.2000

MOVI 16336 (1) caudal fin, SU immat. (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago
L.B. Veras *leg.*, 1996, L.B. Veras & R.C. Garla *don.*, 29.ix.2000, J.M.R. Soto *det.*, 29.ix.2000

MOVI 31301 (1) photograph, SU (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ponta do Capim-Açú
L.B. Veras *leg.*, x.1994, L.B. Veras *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000

MOVI 31303 (1) photograph, ♂ mat. (approx. 2.2 m TL)
South Atlantic, Brazil, 100 m off Trindade Island, 15–20 m
H. Bulhões *leg.*, ii–iii.1986, A. Filippini *don.*, viii.2000, J.M.R. Soto *det.*, viii.2000

MOVI 31316 (1) photograph, SU (TLU)
South Atlantic, Brazil, Rocas Atoll
E. Marcovaldi *leg.*, ii.1990, A. Filippini *don.*, 20.iii.1997, J.M.R. Soto *det.*, 20.iii.1997

***Carcharhinus plumbeus* (Nardo, 1827)**

MOVI 00074 (formerly MCNC) (1) jaws and photographs, ♀ mat. (2100 mm TL)
South Atlantic, Brazil, RS, 25 km off Imbé, 26 m, FV “Laureano V”, bottom gillnet
J.M.R. Soto *leg.*, 19–20.i.1989, J.M.R. Soto *don.*, 20.i.1989, J.M.R. Soto *det.*, 14.vi.1989

MOVI 01151–01153 (formerly MCNC) (3) specimens, ♂ immat. (598–660 mm TL)
South Atlantic, Brazil, RS, 20 km off Pinhal, 22 m, FV “Laureano V”, baited gillnet
J.M.R. Soto *leg.*, 11.ii.1990, J.M.R. Soto *don.*, 11.ii.1990, J.M.R. Soto *det.*, 16.vii.1992

MOVI 04731 (1) head, ♀ mat. (TLU)
South Atlantic, Brazil, SC, 28°45'48"S, 48°38'18"W, 70 m
J.E. Kotas *leg.*, 17.iv.1995, J.E. Kotas *don.*, 20.iv.1995, R.C. Mazzoleni *det.*, 20.iv.1995

MOVI 04906 (1) specimen, ♂ immat. (442 mm TL)
South Atlantic, Brazil, SC, 28°50'58"S, 49°09'21"W, 31 m
J.E. Kotas *leg.*, 16.iv.1995, J.E. Kotas *don.*, 20.iv.1995, R.C. Mazzoleni *det.*, 20.iv.1995

MOVI 10165 (1) tip of tooth, SU (TLU)
South Atlantic, Brazil, SC, Piçarras, Piçarras beach
J.M.R. Soto *et al. leg.*, 11.xi.1993, J.M.R. Soto *don.*, 20.xi.1993, J.M.R. Soto *det.*, 10.ix.1994
Remarks: taken from the caudal vertebrae of a newborn female humpback whale *Megaptera novaeangliae* (MOVI 01951).

MOVI 19402 (1) photograph, SU (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, off Baía dos Golfinhos
L.B. Veras *leg.*, i–ii.1997, J.M.R. Soto *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000

MOVI 23427 (1) specimen, ♂ embr. (211 mm TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, hand line

anonymous *leg.*, vi.1989, anonymous *don.*, vi.1989, J.M.R. Soto *det.*, 25.vii.2002

MOVI 24620 (formerly LEAM) (1) specimen, ♂ immat. (1435 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24621 (formerly LEAM 39) (1) specimen, ♂ immat. (1285 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24622 (formerly LEAM) (1) specimen, ♂ immat. (1072 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24623 (formerly LEAM 63) (1) specimen, ♀ immat. (644 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”, trawl
C.M. Vooren *leg.*, 10.xii.1982, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24624 (formerly LEAM 96) (1) specimen, ♀ immat. (662 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24649 (formerly LEAM 103) (1) specimen, ♀ immat. (643 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24650 (formerly LEAM) (1) specimen, ♀ immat. (606 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
Remarks: specimens donated to MCTA.

MOVI 24651 (formerly LEAM 110) (1) specimen, ♂ immat. (695 mm TL)
South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 31261 (1) jaws, SU (TLU)
South Atlantic, Brazil, 27°35.000’S, 28°49.962’W–34°14.877’S, 47°52.000’W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 14.xi.2003

MOVI 31267 (formerly CCNG 00240) (1) jaws, SU (TLU)
South Atlantic, Brazil, SC, Florianópolis, Canasvieiras beach
C.N. Gofferjé *leg.*, 1940’s, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003

***Carcharhinus porosus* (Ranzani, 1840)**

MOVI 19678 (formerly MPEG 3492) (1) specimen, ♂ embr. (124 mm TL)
Brazil, PA, Amazonas river, 02°12.67’N, 48°45.54’W, FV “Crustamar V”, trawl
M. Torres *leg.*, 03.iv.1997, H. Higuchi *don.*, 14.ii.2002, J.M.R. Soto *det.*, 21.ii.2002

MOVI 19679–19680 (formerly MPEG 1296) (2) specimens, 1 ♂ newborn (362 mm TL) and 1 ♀ newborn (411 mm TL)
South Atlantic, Brazil, PA, mouth of the Pará river, Cape Maguari, Marajó bay
R. Barthem *leg.*, 20–2.x.1982, H. Higuchi *don.*, 14.ii.2002, J.M.R. Soto *det.*, 21.ii.2002

MOVI 24131 (1) specimen, ♀ immat. (384 mm TL)
South Atlantic, Brazil, BA, Belmonte
C.L.S. Sampaio & F. Dortas *leg.*, 20.xii.2001, C.L.S. Sampaio *don.*, 24.vii.2002, C.L.S. Sampaio *det.*, 24.vii.2002

MOVI 31297 (1) photograph, SU (TLU)
South Atlantic, Brazil, off northeastern Brazil
L.B. Veras *leg.*, 1997, L.B. Veras *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000

***Carcharhinus signatus* (Poey, 1868)**

- MOVI 00107 (formerly MCNC) (1) specimen, ♀ immat. (804 mm TL)
South Atlantic, Brazil, RS, 7 km off Imbé, 10 m, FV “Laureano V”, gillnet
J.M.R. Soto *leg.*, 05.i.1990, J.M.R. Soto *don.*, 05.i.1990, J.M.R. Soto *det.*, 20.vi.1991
- MOVI 00641–00642 (formerly MCNC) (2) specimens, ♀ immat. (576–577 mm TL)
South Atlantic, Brazil, RS, 50 km off Tramandai, 48 m, FV “Laureano IV”, gillnet
R.S. Bacelar *leg.*, 31.i.1992, J.M.R. Soto *don.*, 01.iii.1992, J.M.R. Soto *det.*, 16.iii.1992
- MOVI 08430–08431 (2) specimens, ♂ immat. (895–935 mm TL)
South Atlantic, Brazil, RS, 30°02′00″S, 48°35′56″W, 140 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 08.iii.1997, P.C. Rodrigues *don.*, 20.iii.1997, J.M.R. Soto *det.*, 27.iii.1997
- MOVI 08492–08493 (2) specimen, 1 ♂ immat. (1130 mm TL) and head, 1 SU immat. (TLU)
South Atlantic, Brazil, RS, 32°14′00″S, 50°09′43″W, 238 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 01.iv.1997, P.C. Rodrigues *don.*, 15.iv.1997, J.M.R. Soto *det.*, 15.vii.1997
- MOVI 10117–10120 (4) specimens, 2 ♂ immat. (753–805 mm TL) and 2 ♀ immat. (727–773 mm TL)
South Atlantic, Brazil, RS, 32°02′08″S, 50°04′37″W, 200 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 28.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10123 (1) specimen, ♂ immat. (800 mm TL)
South Atlantic, Brazil, RS, 29°55′15″S, 48°31′42″W, 315 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 17.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10271–10273 (3) specimens, ♂ immat. (714–742 mm TL)
South Atlantic, Brazil, SC, 27°35′49″S, 48°01′02″W, 90 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 06.x.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 11234–11246 (13) specimens, 9 ♂ (551–571 mm TL) and 4 ♀ (542–577 mm TL)
South Atlantic, Uruguay, 35°14′S, 54°23′W
I.B. Costa *leg.*, 19.xii.1997, I.B. Costa *don.*, 29.xii.1997, J.M.R. Soto *det.*, 26.iii.1998
Remarks: specimens 11239 and 11241 donated to USNM; specimen 11236 donated to MCTA; specimen 11242 donated to AVG.
- MOVI 16604 (1) specimen, ♂ immat. (793 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, FV “Ferreira XVII”
F. Veloso, 25.i.2001, F. Veloso *don.*, 30.i.2001, J.M.R. Soto *det.*, 13.ii.2001
- MOVI 17307 (1) specimen, ♂ (1450 mm TL)
South Atlantic, Brazil, RS, 32°43.07′S, 50°16.27′W, 30–60 m, FV “Yamaya III”, longline
R.S. Riva *leg.*, 15.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001
- MOVI 17314 (1) head, SU (TLU)
South Atlantic, Brazil, RS, 31°25.99′S, 49°41.91′W, 30–60 m, FV “Yamaya III”, longline
R.S. Riva *leg.*, 13.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001
- MOVI 17315 (1) head, SU (TLU)
South Atlantic, Brazil, SC, 27°44.27′S, 46°19.53′W, 30–60 m, FV “Yamaya III”, longline
R.S. Riva *leg.*, 24.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 17.vii.2001
- MOVI 21316 (1) jaws, SU (TLU)
South Atlantic, Brazil, 25°05′S, 45°37′W–27°26′S, 46°53′W, 310–390 m, FV “Slebech”, bottom gillnet
F.D. Rosa *leg.*, 04.i–21.ii.2002, F.D. Rosa *don.*, 08.iv.2002, J.M.R. Soto *det.*, 11.iv.2002
- MOVI 21317 (1) jaws, SU (TLU)
South Atlantic, Brazil, 25°05′S, 45°37′W–27°26′S, 46°53′W, 310–390 m, FV “Slebech”, bottom gillnet
F.D. Rosa *leg.*, 04.i–21.ii.2002, F.D. Rosa *don.*, 08.iv.2002, J.M.R. Soto *det.*, 11.iv.2002
- MOVI 21318 (1) jaws, SU (TLU)
South Atlantic, Brazil, 25°05′S, 45°37′W–27°26′S, 46°53′W, 310–390 m, FV “Slebech”, bottom gillnet
F.D. Rosa *leg.*, 04.i–21.ii.2002, F.D. Rosa *don.*, 08.iv.2002, J.M.R. Soto *det.*, 11.iv.2002

- MOVI 23023 (1) specimen, ♂ (TLU)
South Atlantic, Brazil, SC, 28°11'S, 46°49'W–27°59'S, 46°58'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 16.v.2002, A.T. Lima *don.*, 20.v.2002, J.M.R. Soto *det.*, 10.vii.2002
- MOVI 23342–23352 (11) specimens, 4 ♂ embr. (276–285 mm TL) and 7 ♀ embr. (254–290 mm TL)
South Atlantic, Brazil, SC, 27°56'S, 46°12'W–27°40'S, 46°43'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 17.iv.2002, A.T. Lima *don.*, 20.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23353–23362 (10) jaws, 1 ♀ mat. (TLU), specimens, 6 ♂ embr. (294–310 mm TL) and 3 ♀ embr. (284–305 mm TL)
South Atlantic, Brazil, SC, 28°11'S, 46°49'W–27°59'S, 46°58'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 16.v.2002, A.T. Lima *don.*, 20.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 24634 (formerly LEAM 52) (1) specimen, ♂ immat. (931 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24635 (formerly LEAM 42) (1) specimen, ♀ immat. (1002 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24636 (formerly LEAM 09) (1) specimen, ♀ immat. (1070 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24637 (formerly LEAM) (1) specimen, ♂ immat. (906 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24638 (formerly LEAM) (1) specimen, ♀ immat. (907 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24639 (formerly LEAM 22) (1) specimen, ♀ immat. (703 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24640 (formerly LEAM) (1) specimen, ♂ immat. (760 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24641 (formerly LEAM 75) (1) specimen, ♀ immat. (817 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 25408 (formerly LEAM) (1) specimen, ♀ (774 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25409 (formerly LEAM) (1) specimen, ♂ (673 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25410 (formerly LEAM) (1) specimen, ♀ (914 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25765 (1) head, SU (TLU)
South Atlantic, Brazil, RS, 32°02.348'S, 50°03.545'W–32°02.986'S, 50°03.717'W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, J.M.R. Soto *det.*, 07.xi.2002
- MOVI 26896–26897 (2) specimens, ♀ embr. (558–567 mm TL)
South Atlantic, 28°17'S, 46°38'W–39°42'S, 49°52'W, 30–60 m, FV “Yamaya III”, longline
P.N. França *leg.*, x.2002, P.N. França *don.*, viii.2002, J.M.R. Soto *det.*, 02.xii.2002

- MOVI 28838 (1) specimen, ♀ (490 mm TL)
South Atlantic, Brazil, RS, 34°S, 50°W, 30–60 m, FV “Basco”, longline
T.D. Ingletto *leg.*, 19.ii.2003, T.D. Ingletto *don.*, 17.iii.2003, R.D. Neves *det.*, 17.iii.2003
- MOVI 37589 (1) head, ♂ (2250 mm TL)
South Atlantic, Brazil, 29°30'S, 46°32'W–29°03'S, 46°07'W, 30–60 m, FV “Yamaya III”, longline
S. Montealegre Q. *leg.*, 11.vi.2004, S. Montealegre Q. *don.*, 23.vi.2004, J.M.R. Soto *det.*, 23.vi.2004
- MOVI 37592 (1) head, SU (TLU)
South Atlantic, Brazil, 28°59.447'S, 45°19.834'W–28°37.403'S, 45°55.600'W, 30–60 m, FV “Yamaya III”, longline
C.E.N. Consulim *leg.*, 09.ix.2004, C.E.N. Consulim *don.*, 15.ix.2004, J.M.R. Soto *det.*, 15.ix.2004
- Galeocерdo cuvier* (Peron & LeSueur, 1822)**
- MOVI 00142 (formerly MCNC) (1) specimen, ♀ embr. (207 mm TL)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, hand line
A. Filippini *leg.*, iii.1990, A. Filippini *don.*, viii.1990, J.M.R. Soto *det.*, 01.vii.1991
- MOVI 01977 (1) specimen, ♂ immat. (985 mm TL)
South Atlantic, Brazil, SC, Barra Velha, 15 m, gillnet
R.C. Mazzoleni *leg.*, 25.i.1994, R.C. Mazzoleni *don.*, 25.i.1994, R.C. Mazzoleni *det.*, 25.i.1994
- MOVI 05259 (1) jaws, SU immat. (990 mm TL)
South Atlantic, Brazil, SC, 40 km off Barra Velha, gillnet
J. Maneco *leg.*, i.1995, R.C. Mazzoleni *don.*, 06.viii.1995, R.C. Mazzoleni *det.*, 06.viii.1995
- MOVI 05579 (formerly MCNC) (1) photographs, SU (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Mar de Dentro, hand line
anonymous *leg.*, ii.1990, J.M.R. Soto *don.*, 11.viii.1990, J.M.R. Soto *det.*, 11.viii.1990
- MOVI 08506 (1) head, ♂ immat. (1010 mm TL)
South Atlantic, Brazil, SC, Barra Velha, Barra Velha beach, gillnet
R.C. Mazzoleni *leg.*, 12.i.1996, R.C. Mazzoleni *don.*, 12.i.1996, J.M.R. Soto *det.*, 15.vii.1997
- MOVI 10130 (formerly MCNC) (1) photographs, ♂ mat. (TLU)
South Atlantic, Brazil, BA, Praia do Forte, hand line
E. Paes e Lima *leg.*, 25.viii.1990, J.M.R. Soto *don.*, 03.ix.1990, J.M.R. Soto *det.*, 03.ix.1990
- MOVI 10131 (formerly MCNC) (1) photographs, ♀ immat. (TLU)
South Atlantic, Brazil, BA, Praia do Forte, hand line
E. Paes e Lima *leg.*, 25.viii.1990, J.M.R. Soto *don.*, 03.ix.1990, J.M.R. Soto *det.*, 03.ix.1990
- MOVI 10196 (formerly MCNC) (1) photographs, SU mat. (TLU)
South Atlantic, Brazil, BA, Praia do Forte, hand line
G.G. Marcovaldi *leg.*, 1985, J.M.R. Soto & A. Filippini *don.*, viii.1989, J.M.R. Soto *det.*, 05.ix.1989
- MOVI 24081 (1) specimen, 6 immat. (1920 mm TL)
South Atlantic, Brazil, BA, Praia do Forte, hand line
J.P. Santos *leg.*, viii.2001, R.S. Riva *don.*, 24.vii.2002, J.M.R. Soto *det.*, 25.vii.2002
- MOVI 24662 (formerly LEAM) (1) specimen, 6 immat. (1455 mm TL)
South Atlantic, Brazil, RS, in front of Verga Lighthouse, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 31088 (1) specimen, 6 (1645 mm TL)
South Atlantic, Brazil, 30°47'S, 47°27'W–30°23'S, 47°18'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 05.xi.2003, R.R.M. Souza *don.*, 17.xi.2003, R.D. Neves *det.*, 17.xi.2003
- MOVI 31295 (1) photographs, 6 (TLU)
South Atlantic, Brazil, BA, 1 mile off north coast of Bahia State, longline
anonymous *leg.*, xi.2001, G.A. Maurutto *don.*, xi.2001, J.M.R. Soto *det.*, xi.2001
- MOVI 31300 (1) photograph, SU (TLU)

South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Pico com Frade, hand line
L.B. Veras *leg.*, x.1994, L.B. Veras *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000

***Isogomphodon oxyrhynchus* (Müller & Henle, 1839)**

MOVI 19681 (formerly MPEG 1297) (1) specimen, ♂ embr. (386 mm TL)
Brazil, PA, Amazonas river, Marajó bay, Cape Maguari, gillnet
R.B. Bartem *leg.*, 22.x.1982, H. Higuchi *don.*, 14.ii.2002, J.M.R. Soto *det.*, 21.ii.2002

MOVI 19682 (formerly MPEG 2320) (1) specimen, ♂ immat. (770 mm TL)
Brazil, PA, mouth of the Pará river, Marajó bay, Cape Maguari
R.B. Barthem *leg.*, 22.x.1982, H. Higuchi *don.*, 14.ii.2002, J.M.R. Soto *det.*, 21.ii.2002

***Negaprion brevirostris* (Poey, 1868)**

MOVI 10132 (formerly MCNC) (1) photograph, ♀ immat. (TLU)
South Atlantic, Brazil, RG, Rocas Atoll
E. Marcovaldi *leg.*, i.1990, J.M.R. Soto *don.*, 03.ix.1990, J.M.R. Soto *det.*, 03.ix.1990

MOVI 10133 (formerly MCNC) (1) photograph, ♂ immat. (TLU)
South Atlantic, Brazil, RG, Rocas Atoll
E. Marcovaldi *leg.*, i.1990, J.M.R. Soto *don.*, 03.ix.1990, J.M.R. Soto *det.*, 03.ix.1990

MOVI 16337 (1) pectoral and anal fins, SU (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, hand line
L.B. Veras *leg.*, 1996, L.B. Veras & R.C. Garla *don.*, 29.ix.2000, J.M.R. Soto *det.*, 29.ix.2000

MOVI 31304 (1) photograph, SU (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Alagado da Raquel, hand line
L.B. Veras *leg.*, 1995–1996, L.B. Veras *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000

MOVI 31308 (formerly MCNC) (1) photographs, SU (TLU)
South Atlantic, Brazil, Rocas Atoll
A. Filippini *leg.*, ii.1990, A. Filippini *don.*, 20.iii.1997, J.M.R. Soto *det.*, 20.iii.1997

MOVI 31314 (formerly MCNC) (1) photograph, SU (TLU)
South Atlantic, Brazil, Rocas Atoll
E. Marcovaldi *leg.*, ii.1990, A. Filippini *don.*, 20.iii.1997, J.M.R. Soto *det.*, 20.iii.1997

***Prionace glauca* (Linnaeus, 1758)**

MOVI 00077 (formerly MCNC) (1) jaws, SU immat. (TLU)
South Atlantic, Brazil, RS, 60 km off Rio Grande, hand line
J.M.R. Soto *leg.*, ii.1989, J.M.R. Soto *don.*, iii.1989, J.M.R. Soto *det.*, 14.vi.1991

MOVI 00115 (formerly MCNC) (1) specimen, ♂ immat. (1026 mm TL)
South Atlantic, Brazil, RS, 70 km off Rio Grande, hand line
J.M.R. Soto *leg.*, ii.1988, J.M.R. Soto *don.*, iii.1988, J.M.R. Soto *det.*, 20.vi.1991

MOVI 08847–08848 (2) specimens, ♀ immat. (920–1095 mm TL)
South Atlantic, Uruguay
I.B. Costa *leg.*, 28.ix.1997, I.B. Costa *don.*, 09.x.1997, J.M.R. Soto *det.*, 06.xii.1997

MOVI 08508 (1) specimen, ♂ embr. (397 mm TL)
South Atlantic, Spain, Canárias Islands, NW of Africa
anonymous *leg.*, 1981, A. Matamoros *don.*, 29.iv.1997, J.M.R. Soto *det.*, 15.vii.1997

MOVI 10358–10360 (3) specimens, 2 ♂ immat. (1090–1200 mm TL) and 1 ♀ immat. (900 mm TL)
South Atlantic, Brazil, RS, 33°51'07"S, 50°24'23"W
I.B. Costa *leg.*, 04.xi.1997, I.B. Costa *don.*, 25.xi.1997, J.M.R. Soto *det.*, 06.xii.1997

MOVI 10125 (1) photographs, ♀ mat. (TLU)
South Atlantic, Brazil, RS, Pinhal, Quintão beach

anonymous *leg.*, 05.v.1997, W. Nisa-Castro-Neto *don.*, v.1997, J.M.R. Soto *det.*, 01.iv.1998

MOVI 16300 (1) teeth, SU (TLU)

North Atlantic, Brazil, RG, São Pedro and São Paulo Archipelago

L.B. Almeida *leg.*, 1999, L.B. Almeida *don.*, 29.ix.2000, J.M.R. Soto *det.*, 29.ix.2000

MOVI 16236–16293 (58) specimens, 26 ♂ embr. (454–522 mm TL) and 32 ♀ embr. (438–517 mm TL)

South Atlantic, Brazil, SC, 28°25'S, 45°20'W, 20–50 m, FV “Macedo I”, longline

E.B. Miranda *leg.*, 24.viii.2000, E.B. Miranda *don.*, 04.ix.2000, J.M.R. Soto *det.*, 04.ix.2000

Remarks: taken from a 2797 mm TL female.

MOVI 16656 (1) jaws, SU immat. (TLU)

South Atlantic, Brazil, RS, 30°26'32"S, 48°22'11"W, 400 m, FV “Iporanga”,

anonymous *leg.*, iii.2001, anonymous *don.*, 04.iv.2001, J.M.R. Soto *det.*, 04.iv.2001

MOVI 17311 (1) head, ♀ mat. (2700 mm TL)

South Atlantic, Brazil, SC, 27°50.12'S, 46°22.26'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 24.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

MOVI 17313 (1) head, ♀ mat. (2750 mm TL)

South Atlantic, Brazil, SC, 27°55.77'S, 46°24.34'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 24.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

MOVI 17456–17489 (34) specimens, 15 ♂ embr. (170–191 mm TL) and 19 ♀ embr. (176–195 mm TL)

South Atlantic, Brazil, SC, 28°39.03'S, 46°47.15'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 08.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

MOVI 17490–17527 (38) specimens, 13 ♂ embr. (256–317 mm TL) and 25 ♀ embr. (282–315 mm TL)

South Atlantic, Brazil, SC, 28°39.40'S, 46°50.90'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 09.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

Remarks: taken from a 2580 mm TL female.

MOVI 17528–17580 (53) specimens, 25 ♂ embr. (250–329 mm TL) and 28 ♀ embr. (236–314 mm TL)

South Atlantic, Brazil, SC, 28°43.29'S, 46°43.92'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 09.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

MOVI 17581–17619 (39) specimens, 21 ♂ embr. (311–387 mm TL) and 18 ♀ embr. (330–403 mm TL)

South Atlantic, Brazil, SC, 27°50.12'S, 46°22.26'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 24.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

Remarks: taken from a 2700 mm TL female (MOVI 17311).

MOVI 17620–17679 (60) specimens, 23 ♂ embr. (265–317 mm TL) and 37 ♀ embr. (212–306 mm TL)

South Atlantic, Brazil, SC, 27°38.64'S, 46°17.14'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 24.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

Remarks: taken from a 2500 mm TL female.

MOVI 17680–17718 (39) specimens, 20 ♂ embr. (181–215 mm TL) and 19 ♀ embr. (178–219 mm TL)

South Atlantic, Brazil, SC, 27°50.12'S, 46°22.26'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 24.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

Remarks: taken from a 2630 mm TL female.

MOVI 17719–17762 (44) specimens, 22 ♂ embr. (210–256 mm TL) and 22 ♀ embr. (215–256 mm TL)

South Atlantic, Brazil, SC, 27°50.12'S, 46°22.26'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 24.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

Remarks: taken from a 2440 mm TL female.

MOVI 17763–17811 (49) specimens, 27 ♂ embr. (267–307 mm TL) and 22 ♀ embr. (244–309 mm TL)

South Atlantic, Brazil, SC, 27°55.77'S, 46°24.34'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 24.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

Remarks: taken from a 2750 mm TL female (MOVI 17313).

MOVI 17812–17875 (64) specimens, 30 ♂ embr. (206–265 mm TL) and 34 ♀ embr. (218–271 mm TL)

South Atlantic, Brazil, SC, 28°35.82'S, 46°40.30'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 08.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001

MOVI 21804 (1) head, SU mat. (2430 mm TL)

South Atlantic, 34°19'S, 31°21'W–34°05'S, 30°39'W, 30–60 m, FV “Yamaya III”, longline

A.T. Lima *leg.*, 13.i.2002, A.T. Lima *don.*, 30.i.2002, J.M.R. Soto *det.*, 30.i.2002

MOVI 23228–23263 (36) specimens, 15 ♂ embr. (213–255 mm TL) and 21 ♀ embr. (197–248 mm TL)

South Atlantic, Brazil, SC, 29°09'S, 46°01'W–28°36'S, 46°12'W, 30–60 m, FV “Yamaya III”, longline

A.T. Lima *leg.*, 29.iv.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002

MOVI 23279–23285 (8) specimens, 2 ♂ embr. (89–99 mm TL) and 6 ♀ embr. (85–94 mm TL)

South Atlantic, Brazil, SC, 28°11'S, 46°49'W–27°59'S, 46°58'W, 30–60 m, FV “Yamaya III”, longline

A.T. Lima *leg.*, 16.v.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002

MOVI 23442–23470 (29) specimens, 15 ♂ embr. (114–148 mm TL) and 14 ♀ embr. (124–146 mm TL)

South Atlantic, Brazil, SC, 28°15'S, 46°54'W–27°43'S, 47°04'W, 30–60 m, FV “Yamaya III”, longline

A.T. Lima *leg.*, 11.v.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002

MOVI 23471–23525 (55) specimens, 24 ♂ embr. (92–127 mm TL) and 31 ♀ embr. (99–133 mm TL)

South Atlantic, Brazil, RS, 33°07'S, 48°53'W–32°32'S, 48°59'W, 30–60 m, FV “Yamaya III”, longline

A.T. Lima *leg.*, 02.v.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002

MOVI 23526–23559 (34) specimens, 16 ♂ embr. (75–97 mm TL) and 18 ♀ embr. (72–92 mm TL)

South Atlantic, Brazil, SC, 29°09'S, 46°01'W–28°36'S, 46°12'W, 30–60 m, FV “Yamaya III”, longline

A.T. Lima *leg.*, 29.iv.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002

MOVI 23682 (1) jaws, SU immat. (TLU)

South Atlantic, Brazil, SC, 29°05.43'S, 47°54.92'W–28°53.31'S, 47°45.29'W, 267–271 m, FV “Titan”, bottom gillnet

F.D. Rosa *leg.*, 03.vi.2002, F.D. Rosa *don.*, 10.vi.2002, J.M.R. Soto *det.*, 03.vii.2002

MOVI 24134–24160 (27) specimens, 12 ♂ embr. (326–362 mm TL) and 15 ♀ embr. (313–367 mm TL)

South Atlantic, Brazil, RS, coast of the Rio Grande do Sul State, 30–60 m, FV “Yamaya III”, longline

anonymous *leg.*, vii.2002, anonymous, 13.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24161–24172 (12) specimens, 3 ♂ embr. (330–401 mm TL) and 9 ♀ embr. (321–386 mm TL)

South Atlantic, Brazil, RS, coast of the Rio Grande do Sul State, 30–60 m, FV “Yamaya III”, longline

anonymous *leg.*, vii.2002, anonymous *don.*, 13.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24173–24206 (34) specimens, 20 ♂ embr. (310–392 mm TL) and 14 ♀ embr. (323–394 mm TL)

South Atlantic, Brazil, RS, coast of the Rio Grande do Sul State, 30–60 m, FV “Yamaya III”, longline

anonymous *leg.*, vii.2002, anonymous *don.*, 13.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24207–24250 (44) specimens, 23 ♂ embr. (207–252 mm TL) and 21 ♀ embr. (194–299 mm TL)

South Atlantic, Brazil, RS, coast of the Rio Grande do Sul State, 30–60 m, FV “Yamaya III”, longline

anonymous *leg.*, vii.2002, anonymous *don.*, 13.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24251–24290 (40) specimens, 24 ♂ embr. (90–128 mm TL) and 16 ♀ embr. (97–131 mm TL)

South Atlantic, Brazil, SC, 28°42.98'S, 46°22.10'W, 30–60 m, FV “Yamaya III”, longline

R.S. Riva *leg.*, 09.vi.2001, R.S. Riva *don.*, 28.vi.2001, J.M.R. Soto *det.*, 16.viii.2002

Remarks: taken from a 2450 mm TL female.

MOVI 24626 (formerly LEAM) (1) head, SU mat. (TLU)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 27061 (1) teeth, SU (TLU)

South Atlantic, Brazil, RS, 31°01'S, 29°58'W–34°54'S, 35°10'W, 30–60 m, FV “Yamaya III”, longline

A.T. Lima *leg.*, 04–30.i.2002, A.T. Lima *don.*, 30.i.2002, J.M.R. Soto *det.*, 05.xii.2002

MOVI 27162–27175 (14) specimens, 8 ♂ embr. (339–384 mm TL) and 6 ♀ embr. (349–399 mm TL)

South Atlantic, 28°17'S, 46°38'W–39°42'S, 49°52'W, 30–60 m, FV “Yamaya III”, longline

P.N. França *leg.*, x.2002, P.N. França *don.*, viii.2002, J.M.R. Soto *det.*, 02.xii.2002

- MOVI 27541–27569 (30) specimens, 16 ♂ embr. (174–197 mm TL) and 14 ♀ embr. (175–202 mm TL)
South Atlantic, Brazil, SC, 28°05'S, 45°27'W–28°20'S, 46°04'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 28.iv.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002
- MOVI 27570–27607 (38) specimens, 19 ♂ embr. (237–257 mm TL) and 19 ♀ embr. (219–259 mm TL)
South Atlantic, Brazil, RS, 30°43'S, 46°10'W–31°10'S, 46°37'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 08.v.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002
- MOVI 27608–27675 (68) specimens, 34 ♂ embr. (139–214 mm TL) and 34 ♀ embr. (130–215 mm TL)
South Atlantic, Brazil, SC, 29°09'S, 46°01'W–28°36'S, 46°12'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 29.iv.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002
- MOVI 27676–27704 (29) specimens, 15 ♂ embr. (90–209 mm TL) and 14 ♀ embr. (107–205 mm TL)
South Atlantic, Brazil, SC, 28°05'S, 45°27'W–28°20'S, 46°04'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 28.iv.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002
- MOVI 27705–27736 (32) specimens, 11 ♂ embr. (114–135 mm TL) and 21 ♀ embr. (107–134 mm TL)
South Atlantic, Brazil, SC, 28°05'S, 45°27'W–28°20'S, 46°04'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 28.iv.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002
- MOVI 27737–27761 (25) specimens, 14 ♂ embr. (185–218 mm TL) and 11 ♀ embr. (183–206 mm TL)
South Atlantic, Brazil, SC, 28°05'S, 45°27'W–28°20'S, 46°04'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 28.iv.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002
- MOVI 27873–27921 (49) specimens, 26 ♂ embr. (339–385 mm TL) and 23 ♀ embr. (321–366 mm TL)
South Atlantic, Brazil, RS, 33°07'S, 48°53'W–32°32'S, 48°59'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 02.v.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 20.v.2002
- MOVI 28133 (1) specimen, ♀ (210 cm TL)
South Atlantic, 27°35'S, 47°52'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 23.ii.2003, R.S. Riva *don.*, 25.ii.2003, M.M. Mincarone *det.*, 01.iv.2003
- MOVI 28151 (1) head, SU (TLU)
South Atlantic, Brazil, SP, 25°24.564'S, 42°29.158'W–25°25.550'S, 42°36.920'W, 30–60 m, RV “Soloncy Moura”, longline
C.E.N. Consulim *leg.*, 20.iii.2003, C.E.N. Consulim *don.*, 25.iii.2003, C.E.N. Consulim *det.*, 20.iii.2003
- MOVI 28152–28153 (2) heads, SU (TLU)
South Atlantic, Brazil, 25°29.013'S, 41°31.284'W–25°21.629'S, 41°31.401'W, 30–60 m, RV “Soloncy Moura”, longline
C.E.N. Consulim *leg.*, 21.iii.2003, C.E.N. Consulim *don.*, 25.iii.2003, C.E.N. Consulim *det.*, 21.iii.2003
- MOVI 28835–28836 (2) jaws, SU (TLU)
South Atlantic, 31°41.107'S, 38°08.747'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 15.ii.2003, R.S. Riva *don.*, 25.ii.2003, R.S. Riva *det.*, 15.ii.2003
- MOVI 31085 (1) head, SU (TLU)
South Atlantic, 34°59'S, 29°11'W–34°28'S, 29°29'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 09.xii.2003, R.R.M. Souza *don.*, 16.xii.2003, R.D. Neves *det.*, 16.xii.2003
- MOVI 31096–31113 (14) specimens, 6 ♂ embr. (396–487 mm TL) and 8 ♀ embr. (426–485 mm TL)
South Atlantic, 31°01'S, 47°39'W–30°43'S, 47°05'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 06.xi.2003, R.R.M. Souza *don.*, 17.xi.2003, R.D. Neves *det.*, 17.xi.2003
- MOVI 31114–31127 (14) specimens, 6 ♂ embr. (456–496 mm TL) and 8 ♀ embr. (473–484 mm TL)
South Atlantic, Brazil, 30°47'S, 47°27'W–30°23'S, 47°18'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 05.xi.2003, R.R.M. Souza *don.*, 17.xi.2003, R.D. Neves *det.*, 17.xi.2003
- MOVI 37384 (1) chondrocranium and jaws, SU (2900 mm TL)
South Atlantic, 31°10'S, 31°10'W–30°46'S, 30°45'W, 30–60 m, FV “Macedo IV”, longline
S. Montealegre Q. *leg.*, 19.ii.2004, S. Montealegre Q. *don.*, 06.iii.2004, S. Montealegre Q. *det.*, 19.ii.2004
- MOVI 37415–37427 (13) specimens, ♂ (6) (321–346 mm TL) and ♀ (7) (324–348 mm TL); 4 eggs
South Atlantic, Brazil, 30°57'S, 47°29'W–30°42'S, 47°50'W, 30–60 m, FV “Macedo IV”, longline
S. Montealegre Q. *leg.*, 15.ix.2004, S. Montealegre Q. *don.*, 24.ix.2004, S. Montealegre Q. *det.*, 15.ix.2004

MOVI 37428–37466 (39) specimens, ♂ (21) (330–385 mm TL) and ♀ (18) (355–387 mm TL)
South Atlantic, Brazil, 30°26'S, 47°31'W–30°31'S, 47°10'W, 30–60 m, FV “Macedo IV”, longline
S. Montealegre Q. leg., 17.ix.2004, S. Montealegre Q. don., 24.ix.2004, S. Montealegre Q. det., 17.ix.2004

MOVI 37491–37510 (20) specimens, ♂ (11) (240–276 mm TL) and ♀ (9) (237–278 mm TL)
South Atlantic, Brazil, 28°57'S, 46°17'W–29°35'S, 46°12'W, 30–60 m, FV “Macedo IV”, longline
S. Montealegre Q. leg., 01.ix.2004, S. Montealegre Q. don., 24.ix.2004, S. Montealegre Q. det., 01.ix.2004

MOVI 37586 (1) specimen, ♂ (1070 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, 30–60 m, FV “Yamaya III”, longline
S. Montealegre Q. leg., ix.2004, S. Montealegre Q. don., 24.ix.2004, J.M.R. Soto det., 24.ix.2004

MOVI 37587 (1) head, SU (TLU)
South Atlantic, Brazil, 32°31'S, 48°42'W–32°58'S, 49°13'W, 30–60 m, FV “Yamaya III”, longline
S. Montealegre Q. leg., 11.ix.2004, S. Montealegre Q. don., 24.ix.2004, S. Montealegre Q. det., 11.ix.2004

***Rhizoprionodon acutus* (Rüppell, 1837)**

MOVI 31052 (formerly CAS 56606) (1) specimen, ♂ (369 mm TL)
Indo-Pacific, Philippines, Negros Occidental Prov., water north of Cadiz town, 11°05'N, 123°20'E, 10–20 fm [18–37 m], net
anonymous leg., 03.iii.1961, T. Iwamoto don., 02.xii.2003, L.J.V. Compagno det., 1972

***Rhizoprionodon lalandii* (Müller & Henle, 1839)**

MOVI 00088 (formerly MCNC) (1) specimen, ♀ embr. (280 mm TL)
South Atlantic, Brazil, RS, 50 km off Tramandaí, 45–50 m, FV “Laureano V”, bottom gillnet
J.M.R. Soto leg., 13–14.i.1989, J.M.R. Soto don., 14.i.1989, J.M.R. Soto det., 15.vi.1991

MOVI 00109 (formerly MCNC) (1) specimen, ♂ immat. (340 mm TL)
South Atlantic, Brazil, RS, 20 km off Pinhal, 22 m, FV “Laureano V”, gillnet
J.M.R. Soto leg., 11.ii.1990, J.M.R. Soto don., 11.ii.1990, J.M.R. Soto det., 20.vi.1991

MOVI 00127 (formerly MCNC) (1) specimen, ♀ immat. (560 mm TL)
South Atlantic, Brazil, RS, 5–7 km off Tramandaí, 8–11 m, FV “Laureano V”, gillnet
J.M.R. Soto leg., 22–23.i.1989, J.M.R. Soto don., 23.i.1989, J.M.R. Soto det., 20.vi.1991

MOVI 01556–01559 (formerly MCNC) (4) specimens, 3 ♂ embr. (321–328 mm TL) and 1 ♀ embr. (330 mm TL)
South Atlantic, Brazil, RS, 50 km off Mostardas, 50 m
R.S. Bacelar leg., 29.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto don., 02.xi.1992, J.M.R. Soto det., 10.xi.1992
Remarks: specimen 01557 donated to MCTA.

MOVI 01975 (1) specimen, ♂ (425 mm TL)
South Atlantic, Brazil, SC, Barra Velha, gillnet
R.C. Mazzoleni leg., 02.i.1994, R.C. Mazzoleni don., 02.i.1994, R.C. Mazzoleni det., 02.i.1994
Remarks: specimen donated to MMSA.

MOVI 01976 (1) specimen, ♀ immat. (390 mm TL)
South Atlantic, Brazil, SC, Barra Velha, gillnet
R.C. Mazzoleni leg., 05.i.1994, R.C. Mazzoleni don., 05.i.1994, R.C. Mazzoleni det., 05.i.1994

MOVI 04447–04451 (5) specimens, 3 ♂ embr. (134–140 mm TL) and 2 ♀ embr. (135–145 mm TL)
South Atlantic, Brazil, SC, coast of Barra Velha, gillnet
R.C. Mazzoleni leg., 05.iii.1995, R.C. Mazzoleni don., iii.1995, R.C. Mazzoleni det., 07.iv.1995

MOVI 05922 (1) specimen, ♂ immat. (435 mm TL)
South Atlantic, Brazil, SC, coast of Bombinhas
anonymous leg., ii.1996, A. Bugowicz don., 07.iii.1996, J.M.R. Soto det., 26.iii.1998

MOVI 10170 (1) specimen, ♀ newborn (330 mm TL)
South Atlantic, Brazil, SC, Florianópolis, E. of Santa Catarina Island, 45 m
C. P. Madureira leg., 20.xii.1997, R. C. Mazzoleni don., 24.iv.1998, J.M.R. Soto det., 01.v.1998

MOVI 24818–24820 (formerly LEAM) (3) specimens, ♂ mat. (617–653 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24821–24822 (formerly LEAM 87) (2) specimens, ♂ mat. (605–644 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24823 (formerly LEAM 64) (1) specimen, ♂ mat. (1021 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24824 (formerly LEAM 105) (1) specimen, ♂ mat. (608 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24825 (formerly LEAM) (1) specimen, ♂ mat. (647 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24826 (formerly LEAM 146) (1) specimen, ♂ immat. (447 mm TL)
North Atlantic, Brazil, AP, off Amapá State, 50 m
anonymous *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24827 (formerly LEAM) (1) specimen, ♂ mat. (632 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24828 (formerly LEAM 18) (1) specimen, ♀ immat. (575 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24829 (formerly LEAM) (1) specimen, ♂ immat. (584 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24830 (formerly LEAM) (1) specimen, ♂ immat. (506 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24831 (formerly LEAM) (1) specimen, ♂ immat. (500 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 25411 (formerly LEAM) (1) specimen, ♂ (641 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, 88 m, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002

***Rhizoprionodon longurio* (Jordan & Gilbert, 1882)**

MOVI 31057–31058 (formerly CAS 30814) (2) specimens, ♂ (326 mm TL) and ♀ (311 mm TL)
North Pacific, Mexico, Sonora, Gulf of California, at Guaymas, from fish meal plant near causeway to Empalme
L.J.V. Compagno & B. Welton *leg.*, 22.v.1974, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, 1974

***Rhizoprionodon porosus* (Poey, 1861)**

MOVI 00156 (formerly MCNC) (1) specimen, ♀ (1050 mm TL)
South Atlantic, Brazil, RS, 25 km off Mostardas, 20–30 m, FV “Laureano IV”, bottom gillnet
J.M.R. Soto & W. Nisa-Castro-Neto *leg.*, iv.1990, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, iv.1990, J.M.R. Soto *det.*, 02.vii.1991

MOVI 01929 (1) jaws, ♂ mat. (825 mm TL)
South Atlantic, Brazil, SC, 2 km off Barra Velha, gillnet
R.C. Mazzoleni & A.H. Roman *leg.*, 28.xi.1993, R.C. Mazzoleni & A.H. Roman *don.*, xi.1993, R.C. Mazzoleni *det.*, 25.ix.1994

- MOVI 03952 (1) head, SU mat. (TLU)
South Atlantic, Brazil, RS, coast of Torres
anonymous *leg.*, 21.vii.1994, R.C. Mazzoleni *et al. don.*, 26.vii.1994, J.M.R. Soto *det.*, 07.iii.1995
- MOVI 04889 (1) specimen, ♂ mat. (944 mm TL)
South Atlantic, Brazil, SC, 28°55'14"S, 48°34'50"W, 88 m
J.E. Kotas *leg.*, 16.iv.1995, J.E. Kotas *don.*, 20.iv.1995, R.C. Mazzoleni *det.*, 20.iv.1995
- MOVI 10140 (1) photograph, ♀ (TLU)
South Atlantic, Brazil, RS, 48 km off Tramandaí, 50 m, FV "Laureano IV", bottom gillnet
J.M.R. Soto & W. Nisa-Castro-Neto *leg.*, 07–08.iii.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 08.iii.1992, J.M.R. Soto *det.*, iii.1992
- MOVI 20311 (1) specimen, ♂ (693 mm TL)
South Atlantic, Brazil, BA, Lauro de Freitas, Buraquinho beach, 38 m, gillnet
anonymous *leg.*, 14.ii.2002, T.Z. Serafini *don.*, 03.iii.2002, J.M.R. Soto *det.*, 03.iii.2002
- MOVI 20312 (1) specimen, ♂ (728 mm TL)
South Atlantic, Brazil, BA, Lauro de Freitas, Buraquinho beach, 38 m, gillnet
anonymous *leg.*, 14.ii.2002, T.Z. Serafini *don.*, 03.iii.2002, J.M.R. Soto *det.*, 03.iii.2002
- MOVI 20313 (1) specimen, ♀ (866 mm TL)
South Atlantic, Brazil, BA, Lauro de Freitas, Buraquinho beach, 38 m, gillnet
anonymous *leg.*, 14.ii.2002, T.Z. Serafini *don.*, 03.iii.2002, J.M.R. Soto *det.*, 03.iii.2002
- MOVI 20314 (1) specimen, ♂ (690 mm TL)
South Atlantic, Brazil, BA, Lauro de Freitas, Buraquinho beach, 38 m, gillnet
anonymous *leg.*, 14.ii.2002, T.Z. Serafini *don.*, 03.iii.2002, J.M.R. Soto *det.*, 03.iii.2002
- MOVI 20315 (1) specimen, ♂ (679 mm TL)
South Atlantic, Brazil, BA, Lauro de Freitas, Buraquinho beach, 38 m, gillnet
anonymous *leg.*, 20.ii.2002, T.Z. Serafini *don.*, 03.iii.2002, J.M.R. Soto *det.*, 03.iii.2002
- MOVI 20316 (1) specimen, ♀ (630 mm TL)
South Atlantic, Brazil, BA, Lauro de Freitas, Buraquinho beach, 38 m, gillnet
anonymous *leg.*, 20.ii.2002, T.Z. Serafini *don.*, 03.iii.2002, J.M.R. Soto *det.*, 03.iii.2002
- MOVI 24083 (1) head, ♀ (TLU)
South Atlantic, Brazil, BA, Entre Rios, Itariri beach, FV "Triton", bottom gillnet
R.S. Riva *leg.*, 10–11.iv.2002, R.S. Riva *don.*, 24.vii.2002, J.M.R. Soto *det.*, 25.vii.2002
- MOVI 24084–24085 (2) specimens, ♀ embr. (328–337 mm TL)
South Atlantic, Brazil, BA, Entre Rios, Itariri beach, FV "Triton", bottom gillnet
R.S. Riva *leg.*, 10–11.iv.2002, R.S. Riva *don.*, 24.vii.2002, J.M.R. Soto *det.*, 25.vii.2002
- MOVI 24086–24087 (2) specimens, 1 ♂ embr. (293 mm TL) and 1 ♀ embr. (305 mm TL)
South Atlantic, Brazil, BA, Entre Rios, Itariri beach, FV "Triton", bottom gillnet
R.S. Riva *leg.*, 10–11.iv.2002, R.S. Riva *don.*, 24.vii.2002, J.M.R. Soto *det.*, 25.vii.2002
- MOVI 24088–24090 (3) specimens, 2 ♂ embr. (317–330 mm TL) and 1 ♀ embr. (323 mm TL)
South Atlantic, Brazil, BA, Entre Rios, Itariri beach, FV "Triton", bottom gillnet
R.S. Riva *leg.*, 10–11.iv.2002, R.S. Riva *don.*, 24.vii.2002, J.M.R. Soto *det.*, 25.vii.2002
- MOVI 24091–24094 (4) specimens, 2 ♂ embr. (237–255 mm TL) and 2 ♀ embr. (224–235 mm TL)
South Atlantic, Brazil, BA, Entre Rios, Itariri beach, FV "Triton", bottom gillnet
R.S. Riva *leg.*, 10–11.iv.2002, R.S. Riva *don.*, 24.vii.2002, J.M.R. Soto *det.*, 25.vii.2002
- MOVI 24095–24099 (5) specimens, 2 ♂ embr. (304–318 mm TL) and 3 ♀ embr. (317–334 mm TL)
South Atlantic, Brazil, BA, Entre Rios, Itariri beach, FV "Triton", bottom gillnet
R.S. Riva *leg.*, 10–11.iv.2002, R.S. Riva *don.*, 24.vii.2002, J.M.R. Soto *det.*, 25.vii.2002
- MOVI 25254–25259 (formerly LEAM 136) (6) specimens, 3 ♂ (280–294 mm TL) and 3 ♀ (281–286 mm TL)
North Atlantic, Brazil, AP, off Amapá State, 50 m
anonymous *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 16.x.2002

***Scoliodon laticaudus* Müller & Henle, 1838**

MOVI 31053 (formerly SU 32434) (1) specimen, ♀ (322 mm TL)
North Pacific, China, Zhejiang Prov., Chusan Island, Zhoushan (Ting-hai)
A.W. Herre *leg.*, 12.x.1937, T. Iwamoto *don.*, 02.xii.2003, C. Gilbert *det.*, 1962

***Triaenodon obesus* (Rüppell, 1837)**

MOVI 25286 (1) specimen, ♂ immat. (764 mm TL)
Indo-Pacific, Indonesia
anonymous *leg.*, 2001, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

Family SPHYRNIDAE

***Sphyrna lewini* (Griffith & Smith, 1834)**

MOVI 00083 (formerly MCNC) (1) jaws, SU immat. (TLU)
South Atlantic, Brazil, RS, 25 km off Mostardas, 23 m, FV “Laureano IV”, bottom gillnet
J.M.R. Soto *leg.*, 12–13.i.1990, J.M.R. Soto *don.*, 13.i.1990, J.M.R. Soto *det.*, 15.vi.1991

MOVI 00087 (formerly MCNC) (1) jaws, SU newborn (TLU)
South Atlantic, Brazil, RS, off Imbé, gillnet
J.M.R. Soto *leg.*, ii.1987, J.M.R. Soto *don.*, iii.1987, J.M.R. Soto *det.*, 15.vi.1991

MOVI 00117 (formerly MCNC) (1) specimen, ♂ newborn (478 mm TL)
South Atlantic, Brazil, RS, Imbé, Imbé beach, gillnet
J.M.R. Soto *leg.*, iv.1986, J.M.R. Soto *don.*, 29.i.1987, J.M.R. Soto *det.*, 20.vi.1991

MOVI 00126 (formerly MCNC) (1) head, SU immat. (TLU)
South Atlantic, Brazil, RS, 45 km off Imbé, 42 m, FV “Laureano VI”, bottom gillnet
J.M.R. Soto *leg.*, 21.ii.1990, J.M.R. Soto *don.*, 21.ii.1990, J.M.R. Soto *det.*, 20.vi.1991

MOVI 00632 (formerly MCNC) (1) specimen, ♀ immat. (475 mm TL)
South Atlantic, Brazil, RS, 8 km off Imbé, 10 m
R.S. Bacelar *leg.*, 02.x.1991, J.M.R. Soto & S.S. Vega *don.*, 07.x.1991, J.M.R. Soto *det.*, 16.iii.1992

MOVI 01159 (formerly MCNC) (1) specimen, ♀ immat. (607 mm TL)
South Atlantic, Brazil, RS, 30 km off Nova Tramandaí, 28–35 m, FV “Laureano IV”, bottom gillnet
J.M.R. Soto *leg.*, 26–27.i.1992, J.M.R. Soto *don.*, 27.i.1992, J.M.R. Soto *det.*, 16.vii.1992

MOVI 01970–01971 (2) specimens, 1 ♂ immat. (550 mm TL) and 1 ♀ newborn (500 mm TL)
South Atlantic, Brazil, SC, Barra Velha, gillnet
R.C. Mazzoleni *leg.*, 30.xii.1993, R.C. Mazzoleni *don.*, 30.xii.1993, R.C. Mazzoleni *det.*, 16.x.1994
Remarks: specimen 01970 donated to AVG.

MOVI 01972 (1) specimen, ♂ immat. (525 mm TL)
South Atlantic, Brazil, SC, Barra Velha, gillnet
W. Nisa-Castro-Neto *et al. leg.*, 11.xii.1993, W. Nisa-Castro-Neto *et al. don.*, 11.xii.1993, W. Nisa-Castro-Neto *det.*, 11.xii.1993
Remarks: specimen donated to MMSA.

MOVI 01974 (1) head, ♀ immat. (1460 mm TL)
South Atlantic, Brazil, SC, Barra Velha, gillnet
R.C. Mazzoleni *leg.*, 02.i.1994, R.C. Mazzoleni *don.*, 02.i.1994, R.C. Mazzoleni *det.*, 02.i.1994

MOVI 03950–03951 (2) heads, ♂ immat. (1090–1220 mm TL)
South Atlantic, Brazil, SC, coast of Barra Velha, gillnet
R.C. Mazzoleni *leg.*, 30.xii.1993, R.C. Mazzoleni *don.*, 05.i.1994, R.C. Mazzoleni *det.*, 30.xii.1993

MOVI 08491 (1) specimen, ♂ immat. (1325 mm TL)
South Atlantic, Brazil, RS, 32°14'00"S, 50°09'43"W, 238 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 01.iv.1997, P.C. Rodrigues *don.*, 15.iv.1997, J.M.R. Soto *det.*, 15.vii.1997

MOVI 08850 (1) specimen, ♀ immat. (1226 mm TL)

- South Atlantic, Brazil, RS, 32°12'48"S, 50°08'31"W, 240 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 29.ix.1997, P.C. Rodrigues *don.*, 08.x.1997, J.M.R. Soto *det.*, 06.xii.1997
- MOVI 08819–08821 (3) heads, SU (TLU)
South Atlantic, Brazil, RS, 29°23'10"S, 48°21'40"W, 300 m, FV "Master Fish", bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 17.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10138 (formerly MCNC) (1) photograph, ♀ immat. (1400 mm TL)
South Atlantic, Brazil, RS, 40 km off Tramandaí, 40–50 m
R.S. Bacelar *leg.*, iii.1992, W. Nisa-Castro-Neto *don.*, iii.1992, J.M.R. Soto *det.*, iii.1992
- MOVI 10169 (1) specimen, ♀ newborn (460 mm TL)
South Atlantic, Brazil, RS, coast of Mostardas, 32 m
anonymous *leg.*, 19.iii.1998, R.C. Mazzoleni *don.*, 24.iv.1998, J.M.R. Soto *det.*, 01.v.1998
- MOVI 10367–10368 (2) heads, SU (TLU)
South Atlantic, Brazil, RS, 29°23'10"S, 48°21'40"W, 300 m, FV "Master Fish", bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 17.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 30.viii.1997, J.M.R. Soto *det.*, 06.xii.1997
- MOVI 17310 (1) head, SU (TLU)
South Atlantic, Brazil, SC, 27°48.41'S, 46°10.52'W, 30–60 m, FV "Yamaya III", longline
R.S. Riva *leg.*, 23.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 19.vii.2001
- MOVI 21312 (1) jaws, SU immat. (TLU)
South Atlantic, Brazil, 25°05'S, 45°37'W–27°26'S, 46°53'W, 310–390 m, FV "Slebech", bottom gillnet
F.D. Rosa *leg.*, 04.i–21.ii.2002, F.D. Rosa *don.*, 08.iv.2002, J.M.R. Soto *det.*, 11.iv.2002
- MOVI 21313 (1) jaws, SU (TLU)
South Atlantic, Brazil, 25°05'S, 45°37'W–27°26'S, 46°53'W, 310–390 m, FV "Slebech", bottom gillnet
F.D. Rosa *leg.*, 04.i–21.ii.2002, F.D. Rosa *don.*, 08.iv.2002, J.M.R. Soto *det.*, 11.iv.2002
- MOVI 21314 (1) jaws, SU (TLU)
South Atlantic, Brazil, 25°05'S, 45°37'W–27°26'S, 46°53'W, 310–390 m, FV "Slebech", bottom gillnet
F.D. Rosa *leg.*, 04.i–21.ii.2002, F.D. Rosa *don.*, 08.iv.2002, J.M.R. Soto *det.*, 11.iv.2002
- MOVI 21315 (1) jaws, SU (TLU)
South Atlantic, Brazil, 25°05'S, 45°37'W–27°26'S, 46°53'W, 310–390 m, FV "Slebech", bottom gillnet
F.D. Rosa *leg.*, 04.i–21.ii.2002, F.D. Rosa *don.*, 08.iv.2002, J.M.R. Soto *det.*, 11.iv.2002
- MOVI 23402–23406 (5) specimens, 2 ♂ embr. (355–365 mm TL) and 3 ♀ embr. (326–359 mm TL)
South Atlantic, Brazil, SC, 28°54.19'S, 47°45.42'W–28°44.51'S, 47°32.09'W, 298–309 m, FV "Titan", bottom gillnet
F.D. Rosa *leg.*, 09.vi.2002, F.D. Rosa *don.*, 10.vi.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23577–23597 (21) specimens, 17 ♂ embr. (143–180 mm TL) and 4 ♀ embr. (165–186 mm TL)
South Atlantic, Brazil, RS, 30°43'S, 46°10'W–31°10'S, 46°37'W, 30–60 m, FV "Yamaya III", longline
A.T. Lima *leg.*, 08.v.2002, A.T. Lima *don.*, 20.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 24838 (formerly LEAM) (1) specimen, ♂ immat. (493 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24839 (formerly LEAM 61) (1) specimen, ♀ immat. (655 mm TL)
South Atlantic, Brazil, RJ, Barra de Guaratiba, Restinga da Marambaia
A. Tomás & U.L. Gomes *leg.*, viii.1981, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24840 (formerly LEAM) (1) specimen, ♀ immat. (450 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 14.xi.1980, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24841 (formerly LEAM 106) (1) head, SU (TLU)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

- MOVI 24842 (formerly LEAM 79) (1) specimen, ♂ immat. (1270 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24843 (formerly LEAM 32) (1) head, SU mat. (TLU)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”, trawl
C.M. Vooren *leg.*, 20.xii.1982, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24844 (formerly LEAM 145) (1) specimen, ♂ immat. (467 mm TL)
North Atlantic, Brazil, AP, off Amapá State
anonymous *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 37467–37490 (24) specimens, 15 ♂ (400–442 mm TL) and 9 ♀ (385–455 mm TL)
South Atlantic, Brazil, 30°34’S, 47°36’W–30°25’S, 46°56’W, 30–60 m, FV “Macedo IV”, longline
S. Montealegre Q. *leg.*, 18.ix.2004, S. Montealegre Q., *don.*, 24.ix.2004, S. Montealegre Q., *det.*, 18.ix.2004
- MOVI 37511–37531 (21) specimens, 8 ♂ (380–434 mm TL) and 13 ♀ (339–440 mm TL)
South Atlantic, Brazil, 30°34’S, 47°36’W–30°25’S, 46°56’W, 30–60 m, FV “Macedo IV”, longline
S. Montealegre Q. *leg.*, 18.ix.2004, S. Montealegre Q., *don.*, 24.ix.2004, S. Montealegre Q., *det.*, 18.ix.2004
- MOVI 37532–37552 (21) specimens, 15 ♂ (343–485 mm TL) and 6 ♀ (429–470 mm TL)
South Atlantic, Brazil, 30°34’S, 47°36’W–30°25’S, 46°56’W, 30–60 m, FV “Macedo IV”, longline
S. Montealegre Q. *leg.*, 18.ix.2004, S. Montealegre Q., *don.*, 24.ix.2004, S. Montealegre Q., *det.*, 18.ix.2004
- MOVI 37553–37567 (15) specimens, 9 ♂ (400–455 mm TL) and 6 ♀ (231–457 mm TL)
South Atlantic, Brazil, 30°34’S, 47°36’W–30°25’S, 46°56’W, 30–60 m, FV “Macedo IV”, longline
S. Montealegre Q. *leg.*, 18.ix.2004, S. Montealegre Q., *don.*, 24.ix.2004, S. Montealegre Q., *det.*, 18.ix.2004
- MOVI 37598–37600 (3) heads, SU (TLU)
South Atlantic, Brazil, 32°34’S, 47°36’W–30°25’S, 46°56’W, 30–60 m, FV “Yamaya III”, longline
S. Montealegre Q. *leg.*, 18.ix.2004, S. Montealegre Q. *don.*, 24.ix.2004, S. Montealegre Q. *det.*, 18.ix.2004

***Sphyrna media* Springer, 1940**

- MOVI 24563–24566 (formerly LEAM 139) (4) specimens, 2 ♂ (454–472 mm TL) and 2 ♀ (305–481 mm TL)
North Atlantic, Brazil, AP, off Amapá State, 50 m
anonymous *leg.*, i–ii.1981, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

***Sphyrna mokarran* (Rüppell, 1837)**

- MOVI 16297 (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Pontal do Norte, Rata Island
L.B. Veras *leg.*, i.1998, L.B. Veras *don.*, 29.ix.2000, J.M.R. Soto *det.*, 29.ix.2000

***Sphyrna tiburo* (Linnaeus, 1758)**

- MOVI 24587 (formerly LEAM 140) (1) head and caudal fin, SU (TLU)
North Atlantic, Brazil, AP, off Amapá State, 50 m
anonymous *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

***Sphyrna tudes* (Valenciennes, 1822)**

- MOVI 19675 (formerly MPEG 3493) (1) specimen, ♀ embr. (125 mm TL)
Brazil, PA, Amazonas river, 02°14.87’N, 48°42.3’W, FV “Crustamar V”, trawl
M. Torres *leg.*, 03.iv.1997, H. Higuchi *don.*, 14.ii.2002, J.M.R. Soto *det.*, 21.ii.2002
- MOVI 19676 (formerly MPEG 1298) (1) specimen, ♀ embr. (197 mm TL)
Brazil, PA, Amazonas river, Cape Maguari, Marajó bay, gillnet
R.B. Barthem *leg.*, 22.x.1982, H. Higuchi *don.*, 14.ii.2002, J.M.R. Soto *det.*, 21.ii.2002
- MOVI 19677 (formerly MPEG 2318) (1) specimen, ♂ immat. (585 mm TL)
Brazil, PA, mouth of the Pará river, Cape Maguari, Marajó bay
R.B. Barthem *leg.*, 22.x.1982, H. Higuchi *don.*, 14.ii.2002, J.M.R. Soto *det.*, 21.ii.2002

***Sphyrna zygaena* (Linnaeus, 1758)**

- MOVI 03960 (1) specimen, ♂ immat. (769 mm TL)
South Atlantic, Brazil, SC, coast of Navegantes
M. Hostim-Silva *leg.*, 27.x.1994, M. Hostim-Silva *don.*, 29.x.1994, J.M.R. Soto *det.*, 07.iii.1995
- MOVI 04888 (1) specimen, ♂ immat. (1025 mm TL)
South Atlantic, Brazil, SC, 28°55'48"S, 48°38'35"W, 80 m
J.E. Kotas *leg.*, 15.iv.1995, J.E. Kotas *don.*, 20.iv.1995, R.C. Mazzoleni *det.*, 20.iv.1995
- MOVI 08803 (1) specimen, ♂ immat. (1350 mm TL)
South Atlantic, Brazil, RS, 32°06'56"S, 50°07'02"W, 200 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 26.vii.1997, P.C. Rodrigues *don.*, 07.viii.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10366 (1) head, SU immat. (TLU)
South Atlantic, Brazil, RS, 29°23'10"S, 48°21'40"W, 300 m, FV "Master Fish", bottom longline
A.H. Roman & P.C. Rodrigues *leg.*, 17.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 30.viii.1997, J.M.R. Soto *det.*, 06.xii.1997
- MOVI 11247–11256 (10) specimens, 5 ♂ (555–586 mm TL) and 5 ♀ (545–586 mm TL)
South Atlantic, Uruguay, 35°14'S, 54°23'W
I.B. Costa *leg.*, 19.xii.1997, I.B. Costa *don.*, 29.xii.1997, J.M.R. Soto *det.*, 26.iii.1998
Remarks: specimen 11247 donated to MCTA.
- MOVI 16339–16370 (32) specimens, 18 ♂ embr. (470–525 mm TL) and 14 ♀ embr. (490–530 mm TL)
South Atlantic, Brazil, SC, 27°52'S, 46°22'W, 20–50, FV "Macedo I", longline
E.B. Miranda *leg.*, 08.x.2000, E.B. Miranda *don.*, 17.x.2000, J.M.R. Soto *det.*, 20.x.2000
- MOVI 16432–16471 (40) specimens, 19 ♂ embr. (520–580 mm TL) and 21 ♀ embr. (540–590 mm TL)
South Atlantic, Brazil, RS, 30°18'S, 47°14'W, 20–50 m, FV "Macedo I", longline
E.B. Miranda *leg.*, 07.xi.2000, E.B. Miranda *don.*, 09.xi.2000, J.M.R. Soto *det.*, 20.xi.2000
Remarks: taken from a 3120 mm TL female.
- MOVI 17306 (1) specimen, ♂ (1505 mm TL)
South Atlantic, Brazil, RS, 31°25.99'S, 46°41.91'W, 30–60 m, FV "Yamaya III", longline
R.S. Riva *leg.*, 13.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 28.vi.2001
- MOVI 23044 (1) head, SU (TLU)
South Atlantic, Brazil, RS, 32°29.164'S, 50°15.985'W–32°36.705'S, 50°19.127'W, 350–420 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 06.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 03.vii.2002
- MOVI 24312 (1) head, SU immat. (TLU)
South Atlantic, Brazil, RS, 32°54.226'S, 50°31.476'W, 125 m, FV "Saga de Viking", bottom trawl
M.B. Souza-Filho *leg.*, 31.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24832 (formerly LEAM 130) (1) specimen, ♂ immat. (638 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24833 (formerly LEAM) (1) specimen, ♂ immat. (875 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24834 (formerly LEAM 118) (1) specimen, ♂ immat. (663 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24835 (formerly LEAM 117) (1) specimen, ♂ immat. (480 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 19.iii.1980, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24836 (formerly LEAM) (1) head, SU immat. (TLU)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

- MOVI 24837 (formerly LEAM 67) (1) specimen, ♂ immat. (1396 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 30441 (1) head, SU (TLU)
South Atlantic, Brazil, 33°55.711'S, 51°21.149'W–33°44.187'S, 50°58.011'W, 30–60 m, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 19.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 28.vii.2003
- MOVI 30442 (1) head, SU (TLU)
South Atlantic, Brazil, 33°55.711'S, 51°21.149'W–33°44.187'S, 50°58.011'W, 30–60 m, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 19.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 28.vii.2003
- MOVI 30443 (1) head, SU (TLU)
South Atlantic, Brazil, 33°55.711'S, 51°21.149'W–33°44.187'S, 50°58.011'W, 30–60 m, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 19.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 28.vii.2003
- MOVI 30444 (1) head, SU (TLU)
South Atlantic, Brazil, 33°55.711'S, 51°21.149'W–33°44.187'S, 50°58.011'W, 30–60 m, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 19.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 28.vii.2003
- MOVI 30445 (1) head, ♀ (TLU)
South Atlantic, Brazil, 31°56.690'S, 48°41.122'W–32°10.313'S, 47°57.531'W, 30–60 m, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 23.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 28.vii.2003
- MOVI 31128–31143 (16) specimens, 12 ♂ embr. (427–458 mm TL) and 4 ♀ embr. (401–432 mm TL)
South Atlantic, 30°57'S, 43°48'W–31°11'S, 44°12'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 29.x.2003, R.R.M. Souza *don.*, 17.xi.2003, J.M.R. Soto *det.*, 17.xi.2003
- MOVI 31144–31160 (17) specimens, 14 ♂ embr. (480–532 mm TL) and 3 ♀ embr. (508–532 mm TL)
South Atlantic, 31°01'S, 47°39'W–30°43'S, 47°05'W, 30–60 m, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, 06.xi.2003, R.R.M. Souza *don.*, 17.xi.2003, J.M.R. Soto *det.*, 17.xi.2003
- MOVI 31299 (1) photograph, SU (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ponta do Lucena
L.B. Veras *leg.*, x.1994, L.B. Veras *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000
- MOVI 37383 (1) chondrocranium and jaws, ♂ (3060 mm TL)
South Atlantic, Brazil, 28°47'S, 39°41'W–28°37'S, 40°12'W, 30–60 m, FV “Macedo IV”, longline
S. Montealegre Q. *leg.*, 03.iii.2004, S. Montealegre Q. *don.*, 06.iii.2004, S. Montealegre Q. *det.*, 03.iii.2004
- Order SQUALIFORMES
Family DALATIIDAE
- Centroscyllium fabricii* (Reinhardt, 1825)**
- MOVI 37377 (formerly IIPB 127/1997) (1) specimen, ♀ (282 mm TL)
South Atlantic, Namibia, 24°05'S, 12°59'E, 1135 m
anonymous *leg.*, 15.ii.1986, D. Lloris *don.*, 07.vii.2004, D. Lloris *det.*, 07.vii.2004
- Centroscymnus coelolepis* Bocage & Capello, 1864**
- MOVI 25311–25314 (4) specimens, 3 ♂ (190–222 mm TL) and 1 ♀ (248 mm TL)
Mediterranean Sea, 40°38'N, 02°06'E, 1753–1771 m
J. Matallanas *leg.*, 04.vii.1988, J. Matallanas *don.*, 10.x.2002, J. Matallanas *det.*, 10.x.2002
- MOVI 37374 (1) jaws, ♀ (1100 mm TL)
North Atlantic, Western Ireland, 350–800 m, bottom trawl
H. Cappetta *leg.*, 1985–1986, H. Cappetta *don.*, 11.v.2004, H. Cappetta *det.*, 11.v.2004
- MOVI 37378 (formerly IIPB 648/1986) (1) specimen, ♂ (478 mm TL)
South Atlantic, Namibia, 28°12'S, 14°21'E, 404–440 m, bottom trawl
anonymous *leg.*, 26.v.1982, D. Lloris *don.*, 07.vii.2004, D. Lloris *det.*, 07.vii.2004

***Centroscymnus owstonii* Garman, 1906**

- MOVI 04664 (1) specimen, ♀ mat. (1080 mm TL, 6635 g)
South Atlantic, Brazil, SC, 26°10'52"S, 45°42'54"W, 700 m, FV "Iporanga", trap
V.M. Inêz *leg.*, 04.iv.1995, V.M. Inêz *don.*, 12.iv.1995, J.M.R. Soto *det.*, 18.ix.2002
- MOVI 24558 (formerly LEAM) (1) specimen, epidermis samples, dermal denticles and teeth, ♀ (1020 mm TL, 4450 g eviscerated)
South Atlantic, Brazil, RS, 33°36'S, 50°53'W, 260 m, FV "Seival", bottom gillnet
anonymous *leg.*, 21.vi.1994, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002
- MOVI 25830 (1) epidermis samples, ♂ mat. (797 mm TL)
South Atlantic, Brazil, SP, off São Paulo State
anonymous *leg.*, 25.iv.1995, U.L. Gomes *don.*, ii.2001, J.M.R. Soto *det.*, 18.ix.2002
Remarks: taken from the specimen UERJ 1634.

***Dalatias licha* (Bonnaterre, 1788)**

- MOVI 16034 (1) specimen, ♂ newborn (344 mm TL)
South Atlantic, Brazil, RS, 31°32'08"S, 47°58'19"W, surface, FV "Macedo IV", longline
J.V. Santos-Filho *leg.*, v.2000, E.B. Miranda *don.*, 12.v.2000, J.M.R. Soto & M.M. Mincarone *det.*, 12.v.2000
Remarks: specimen attached to net that involved one plastic buoy of the longline.
- MOVI 25298–25299 (2) specimens, ♂ immat. (356–378 mm TL)
Mediterranean Sea, Spain, Serola, 41°11'30"N, 02°29'15"W–41°09'15"N, 02°15'48"W, 740–805 m, FV "Maireta II", bottom trawl
anonymous *leg.*, 23.ii.2000, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Etmopterus bigelowi* Shirai & Tachikawa, 1993**

- MOVI 10202–10203 (2) specimens, 2 ♂ (327–387 mm TL, 70–165 g)
South Atlantic, Brazil, SC, 28°55'30"S, 47°52'30"W, 180 m, FV "Iporanga", bottom longline
anonymous *leg.*, 27.viii.1997, M. Hostim-Silva & V.M. Inêz *don.*, 18.ii.1999, J.M.R. Soto *det.*, 18.ii.1999
- MOVI 17279–17281 (3) specimens, 1 ♂ (383 mm TL) and 2 ♀ (477–345 mm TL)
South Atlantic, Brazil, RS, 32°40.575'S, 50°22.145'W–32°30.830'S, 50°17.365'W, 300 m, FV "Saga de Thor", bottom trawl
M.V. Kitahara *leg.*, 02.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001
- MOVI 17395–17398 (4) specimens, 3 ♂ (369–467 mm TL) and 1 ♀ (425 mm TL)
South Atlantic, Brazil, RS, 32°26.664'S, 50°16.897'W–32°38.378'S, 50°21.078'W, 280 m, FV "Saga de Thor", bottom trawl
M.V. Kitahara *leg.*, 27.v.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 06.vi.2001
- MOVI 17417–17431 (15) specimens, 10 ♂ (352–617 mm TL) and 5 ♀ (327–448 mm TL)
South Atlantic, Brazil, RS, 32°19.847'S, 50°11.609'W–32°27.406'S, 50°15.424'W, 300 m, FV "Saga de Thor", bottom trawl
M.V. Kitahara *leg.*, 01.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 06.vi.2001
Remarks: specimens 17423 and 17430 donated to MPEG; specimens 17420 and 17428 donated to MCTA.
- MOVI 19664 (1) specimen, ♀ (341 mm TL)
South Atlantic, Brazil, 32°30.141'S, 50°16.000'W–32°41.510'S, 50°21.550'W, 380 m, FV "Saga de Thor", bottom trawl
M.V. Kitahara *leg.*, 29.v.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 05.ii.2002
- MOVI 20284–20287 (4) specimens, 1 ♂ (253 mm TL) and 3 ♀ (339–572 mm TL)
South Atlantic, Brazil, RS, 32°34.357'S, 50°18.888'W–32°24.358'S, 50°16.367'W, 300–356 m, FV "Marília V", bottom trawl
M.V. Kitahara *leg.*, 17.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, M.M. Mincarone *det.*, 04.iii.2002
- MOVI 22523–22526 (4) specimens, 3 ♂ (184–240 mm TL) and 1 ♀ (250 mm TL)
South Atlantic, Brazil, off Rio Grande do Sul State, bottom trawl
anonymous *leg.*, 2002, anonymous *don.*, 2002, J.M.R. Soto *det.*, 2002
- MOVI 22662 (1) specimen, ♀ (436 mm TL)
South Atlantic, Brazil, RS, 32°26.391'S, 50°14.905'W–32°15.099'S, 50°09.915'W, 360–380 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 07.vi.2002
- MOVI 22730 (1) specimen, ♂ (249 mm TL)
South Atlantic, Brazil, RS, 32°18.089'S, 50°11.100'W–32°28.352'S, 50°15.945'W, 360–360 m, FV "Sambaqui III", bottom trawl

- C.E.N. Consulim *leg.*, 06.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 07.vi.2002
- MOVI 22732–22736 (5) specimens, 2 ♂ (377–398 mm TL) and 3 ♀ (415–422 mm TL)
South Atlantic, Brazil, RS, 32°26.391'S, 50°14.905'W–32°15.099'S, 50°09.915'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 07.vi.2002
- MOVI 22737–22745 (9) specimens, ♀ (TLU)
South Atlantic, Brazil, RS, 32°17.476'S, 50°10.810'W–32°30.765'S, 50°17.184'W, 360–360 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 07.vi.2002
- MOVI 22746 (1) specimen, ♀ (544 mm TL)
South Atlantic, Brazil, RS, 32°27.265'S, 50°15.348'W–32°38.097'S, 50°20.283'W, 380–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 09.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 07.vi.2002
- MOVI 22750–22752 (3) specimens, 1 ♂ (301 mm TL) and 2 ♀ (292–382 mm TL)
South Atlantic, Brazil, RS, 32°34.720'S, 50°18.975'W–32°51.881'S, 50°25.117'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 12.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 07.vi.2002
- MOVI 22753 (1) specimen, ♀ (355 mm TL)
South Atlantic, Brazil, RS, 32°26.278'S, 50°14.864'W–32°40.342'S, 50°21.403'W, 350–360 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 17.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 07.vi.2002
- MOVI 22762–22763 (2) specimens, 2 ♂ (229–262 mm TL)
South Atlantic, Brazil, RS, 32°27.265'S, 50°15.348'W–32°38.097'S, 50°20.283'W, 380–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 09.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 07.vi.2002
- MOVI 22764–22765 (2) specimens, 1 ♂ (278 mm TL) and 1 ♀ (223 mm TL)
South Atlantic, Brazil, RS, 32°39.519'S, 50°21.121'W–32°24.518'S, 50°13.986'W, 350–360 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 17.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 07.vi.2002
- MOVI 22770–22779 (10) specimens, 3 ♂ (237–248 mm TL) and 7 ♀ (174–370 mm TL)
South Atlantic, Brazil, RS, 32°26.391'S, 50°14.905'W–32°15.099'S, 50°09.915'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 07.vi.2002
Remarks: specimens 22771 and 22775 donated to USNM.
- MOVI 22780–22792 (13) specimens, 8 ♂ (293–367 mm TL) and 5 ♀ (330–377 mm TL)
South Atlantic, Brazil, RS, 32°17.476'S, 50°10.810'W–32°30.765'S, 50°17.184'W, 360 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 07.vi.2002
Remarks: specimens 22781 and 22789 donated to USNM.
- MOVI 23074 (1) specimen, ♂ (376 mm TL)
South Atlantic, Brazil, RS, 32°53.120'S, 50°25.745'W–32°34.726'S, 50°19.049'W, 360–400 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 13.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23086–23088 (3) specimens, 1 ♂ (432 mm TL) and 2 ♀ (440–545 mm TL)
South Atlantic, Brazil, RS, 32°28.330'S, 50°15.861'W–32°32.148'S, 50°17.817'W, 360 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 16.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23089–23093 (5) specimens, 2 ♂ (318–468 mm TL) and 3 ♀ (331–649 mm TL)
South Atlantic, Brazil, RS, 32°32.135'S, 50°17.978'W–32°26.187'S, 50°14.658'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 16.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23096–23099 (4) specimens, 1 ♂ (380 mm TL) and 3 ♀ (375–640 mm TL)
South Atlantic, Brazil, RS, 32°54.302'S, 50°24.632'W–32°38.579'S, 50°20.163'W, 420 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 19.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23101–23120 (20) specimens, 12 ♂ (293–520 mm TL) and 8 ♀ (263–611 mm TL)
South Atlantic, Brazil, RS, 32°22.572'S, 50°12.817'W–32°35.976'S, 50°19.567'W, 380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 20.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23121 (1) specimen, ♀ (446 mm TL)
South Atlantic, Brazil, RS, 32°00.449'S, 50°10.677'W–31°48.070'S, 50°08.641'W, 160 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

- MOVI 24306 (1) specimen, ♀ mat. (611 mm TL)
South Atlantic, Brazil, RJ, 23°47'10"S, 41°49'46"W, 518 m, FV "South Coast", bottom gillnet
N.P. Souza *leg.*, 16.ix.2001, R.C. Mazzoleni *don.*, 16.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24369–24427 (59) specimens, 25 ♂ (220–465 mm TL) and 34 ♀ (227–503 mm TL)
South Atlantic, Brazil, RS, 32°35.992'S, 50°19.799'W–32°25.840'S, 50°14.637'W, 330–353 m, FV "Saga de Viking", bottom trawl
M.B. Souza-Filho *leg.*, 02.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24477–24478 (2) specimens, 2 ♂ (252–402 mm TL)
South Atlantic, Brazil, RS, 32°49.068'S, 50°23.439'W–32°36.593'S, 50°19.246'W, 433–437 m, FV "Saga de Viking", bottom trawl
M.B. Souza-Filho *leg.*, 01.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24518–24526 (9) specimens, 5 ♂ (172–245 mm TL) and 4 ♀ (136–254 mm TL)
South Atlantic, Brazil, RS, 32°53.536'S, 50°25.266'W–32°41.175'S, 50°21.394'W, 370–387 m, FV "Saga de Viking", bottom trawl
M.B. Souza-Filho *leg.*, 31.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 25406 (form erly LEAM) (1) specimen, ♂ (437 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25407 (formerly LEAM) (1) specimen, ♀ (490 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002

***Etmopterus bullisi* Bigelow & Schroeder, 1957**

- MOVI 31027 (formerly SU 66819) (1) specimen, ♂ (181 mm TL)
North Atlantic, USA, Florida, Due east of St. Augustine, Blake Plateau, 29°58'N, 80°09'W, 180 fm [329 m], MV "Silver Bay", shrimp trawl
anonymous *leg.* (National Marine Fisheries Service), 20.ii.1962, T. Iwamoto *don.*, 02.xii.2003, S. Springer *det.*, date unknown

***Etmopterus gracilispinis* Krefft, 1968**

- MOVI 19547 (formerly USNM 220297) (1) specimen, ♂ (151 mm TL)
North Atlantic, USA, North Carolina, 35°47'N, 74°51'W, 93 fm [170 m], RV "Oregon II"
anonymous *leg.*, 26.vii.1969, S.L. Jewett *don.*, 14.xi.2001, J.M.R. Soto *det.* 03.xii.2001
Remarks: original lot with 7 specimens.
- MOVI 19663 (1) specimen, ♀ (138 mm TL)
South Atlantic, Brazil, 32°30.474'S, 50°17.597'W–32°36.542'S, 50°20.300'W, 293 m, FV "Saga de Thor", bottom trawl
M.V. Kitahara *leg.*, 28.v.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 05.ii.2002
- MOVI 22518–22522 (5) specimens, 3 ♂ (151–206 mm TL) and 2 ♀ (130–170 mm TL)
South Atlantic, Brazil, off Rio Grande do Sul State, bottom trawl
anonymous *leg.*, 2002, anonymous *don.*, 2002, J.M.R. Soto *det.*, 2002
- MOVI 22759 (1) specimen, ♀ (201 mm TL)
South Atlantic, Brazil, RS, 32°30.743'S, 50°17.185'W–32°26.145'S, 50°14.769'W, 360–380 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 18.vi.2002
- MOVI 24368 (1) specimen, ♀ (195 mm TL)
South Atlantic, Brazil, RS, 32°35.992'S, 50°19.799'W–32°25.840'S, 50°14.637'W, 330–353 m, FV "Saga de Viking", bottom trawl
M.B. Souza-Filho *leg.*, 02.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

***Etmopterus granulosus* (Günther, 1880)**

- MOVI 01926 (formerly MMSA) (1) specimen, ♂ embr. (142 mm TL)
South Pacific, Chile, coast of San Antonio, 33°35'S, 400 m, bottom longline
M. Guerra *leg.*, 01.ii.1985, J.L. Brito M. *don.*, ii.1994, J.L. Brito M. *det.*, 26.ii.1994
- MOVI 16065 (formerly MRSMB 7967) (1) stuffed specimen, ♀ mat. (approx. 600 mm TL)
South Pacific, Chile, Strait of Magellan, Punta Arenas
R. Paessler *leg.*, 1902, V. Lucchelli-Rolandi *don.*, 28.i.1998, J.M.R. Soto *det.*, 09.v.2000
Remarks: this specimen was not included in the checklist of Lönnberg (1907).

***Etmopterus hillianus* (Poey, 1861)**

MOVI 19542–19543 (formerly USNM 220325) (2) specimens, 1 ♂ (233 mm TL) and 1 ♀ (220 mm TL)
North Atlantic, off Anguilla, B.W.I., 17°14'N, 62°50'12"W, 300–320, MV “Oregon”
anonymous *leg.*, 19.v.1967, S.L. Jewett *don.*, 14.xi.2001, J.M.R. Soto *det.*, 03.xii.2001
Remarks: original lot with 22 specimens.

***Etmopterus lucifer* Jordan & Snyder, 1902**

MOVI 24559 (formerly LEAM) (1) specimen, ♀ (423 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1990's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 25337 (formerly NUPEC 575) (1) specimen, ♀ mat. (459 mm TL)
South Atlantic, Brazil, SP, off Santos
anonymous *leg.*, xi.1998, M.M. Gonzalez & C. M. Cunha *don.*, 26.viii.2002, J.M.R. Soto *det.*, 17.x.2002

MOVI 37379–37380 (formerly IIPB 651/1986, 653/1986) (2) specimens, 1 ♂ (307 mm TL) and 1 ♀ (273 mm TL)
South Atlantic, Namibia, 25°29'S, 06°07'E, 900–915 m
anonymous *leg.*, 21.v.1982, D. Lloris *don.*, 07.vii.2004, D. Lloris *det.*, 07.vii.2004

***Etmopterus pusillus* (Lowe, 1839)**

MOVI 17259 (1) specimen, ♂ (320 mm TL)
North Atlantic, 36°40.5'N, 07°50.8'W, 753–763 m, RV “Noruega”, bottom trawl
anonymous *leg.*, 01.ix.2000, A.M. Inácio *don.*, 28.v.2001, P.B. Machado *det.*, 01.ix.2000

MOVI 19540–19541 (formerly USNM 220344) (2) specimens, ♂ (249 mm TL) and ♀ (158 mm TL)
North Atlantic, Liberia, 06°08'N, 10°57'W, 400 m, “La Rafale”
anonymous *leg.*, 07.xi.1963, S.L. Jewett *don.*, 14.xi.2001, J.M.R. Soto *det.*, 03.xii.2001
Remarks: original lot with 17 specimens.

***Etmopterus schultzi* Bigelow, Schroeder & Springer, 1953**

MOVI 19545–19546 (formerly USNM 220388) (2) specimens, 1 ♂ (184 mm TL) and 1 ♀ (190 mm TL)
North Atlantic, USA, Gulf of Mexico, off Mississippi delta, 29°08'N, 88°17'W, 225 fm [412 m], MV “Oregon”
anonymous *leg.*, 22.viii.1962, S.L. Jewett *don.*, 14.xi.2001, J.M.R. Soto *det.*, 03.xii.2001
Remarks: original lot with 32 specimens.

***Etmopterus spinax* (Linnaeus, 1758)**

MOVI 16007–16008 (formerly MCTA) (2) specimens, 1 ♂ immat. (208 mm TL) and 1 ♀ immat. (194 mm TL)
Mediterranean Sea, Spain, Barcelona, off Serola, 600–800 m, FV “Maireta II”, bottom trawl
J. Martin-Reyes *leg.*, xii.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000

MOVI 16042 (formerly MCTA) (1) first dorsal fin and spine, SU (TLU)
Mediterranean Sea, Spain, Barcelona
anonymous *leg.*, 1990, J. Ribé-L. *don.*, 08.iv.2000, J. Ribé-L. *det.*, 08.iv.2000

MOVI 17337–17338 (2) specimens, 1 ♂ (355 mm TL) and 1 ♀ (255 mm TL)
North Atlantic, Portugal, 36°41.1'N, 08°21.8'W, 676 m, RV “Noruega”, bottom trawl
anonymous *leg.*, 23.vii.2000, A.M. Inácio *don.*, 17.vii.2001, A. Murta *det.*, 17.vii.2001

MOVI 25291–25294 (4) specimens, 1 ♂ (302 mm TL) and 3 ♀ (340–474 mm TL)
Mediterranean Sea, Spain, Serola, 41°11'30"N, 02°29'15"W–41°09'15"N, 02°15'48"W, 740–805 m, FV “Maireta II”, bottom trawl
anonymous *leg.*, 01.iii.2002, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

MOVI 25295–25297 (3) specimens, 2 ♂ (144–175 mm TL) and 1 ♀ (163 mm TL)
Mediterranean Sea, Spain, Serola, 41°11'30"N, 02°29'15"W–41°09'15"N, 02°15'48"W, 740–805 m, FV “Maireta II”, bottom trawl
anonymous *leg.*, 16.ii.2000, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

MOVI 25324–25334 (11) specimens, 5 ♂ (108–240 mm TL) and 6 ♀ (110–168 mm TL)
Western Mediterranean Sea, 650 m

anonymous *leg.*, v.1983, J. Matallanas *don.*, 10.x.2002, J. Matallanas *det.*, 10.x.2002

***Etmopterus virens* Bigelow, Schroeder & Springer, 1953**

MOVI 31044–31047 (formerly SU 66821) (4) specimens, 2 ♂ (198–212 mm TL) and 2 ♀ (220–237 mm TL)
North Atlantic, USA, Louisiana, off Mississippi delta, 28°56'30"N, 88°46'00"W, 220 fm [402 m], MV "Oregon", balloon trawl
anonymous *leg.* (U.S. Fish & Wildlife Service), 24.viii.1962, T. Iwamoto *don.*, 02.xii.2003, S. Springer *det.*, date unknown

***Isistius brasiliensis* (Quoy & Gaimard, 1824)**

MOVI 10129 (formerly MCNC) (1) photographs, ♂ immat. (280 mm TL)
South Atlantic, Brazil, RS, 1415 m, RV "Almirante Saldanha", bongo net
R. Barnett *leg.*, 21.xii.1968, J.M.R. Soto *don.*, 06.i.1990, J.M.R. Soto *det.*, 06.i.1990

MOVI 19352 (1) specimen, ♂ (398 mm TL)
South Atlantic, Brazil, SC, 28°57'S, 46°28'W, 20–50 m, FV "Macedo I", longline
E.B. Miranda *leg.*, 26.ix.2001, E.B. Miranda *don.*, 04.x.2001, J.M.R. Soto *det.*, 04.x.2001

MOVI 19661 (1) specimen, ♂ (approx. 210 mm TL)
South Atlantic, 34°42'S, 30°02'W–34°05'S, 29°58'W, 30–60 m, FV "Yamaya III", longline
A.T. Lima *leg.*, 10.i.2002, A.T. Lima *don.*, 30.i.2002, J.M.R. Soto *det.*, 30.i.2002
Remarks: collected in the stomach content of *Prionace glauca*.

MOVI 19685 (1) specimen, ♀ (465 mm TL)
South Atlantic, Brazil, RS, 33°55'S, 46°58'W
anonymous *leg.*, 21.iii.1994, A. Amorim *don.*, 09.ii.2002, J.M.R. Soto *det.*, 20.ii.2002
Remarks: specimen donated to MCTA.

MOVI 19686 (1) specimen, ♀ (439 mm TL)
South Atlantic, 26°30'S, 45°28'W
anonymous *leg.*, 03.vi.1993, A. Amorim *don.*, 09.ii.2002, J.M.R. Soto *det.*, 20.ii.2002

MOVI 21810 (1) specimen, ♀ (486 mm TL)
South Atlantic, Brazil, RS, 30°01'S, 46°01'W, 30–60 m, FV "Yamaya III", longline
anonymous *leg.*, 19.iv.2002, anonymous *don.*, 24.iv.2002, J.M.R. Soto *det.*, 24.iv.2002

MOVI 25339 (formerly NUPEC 1788) (1) specimen, ♂ mat. (401 mm TL)
South Atlantic, Brazil, RS, off Chuí, FV "Progressão", longline
anonymous *leg.*, v.2002, M.M. Gonzalez & C.M. Cunha *don.*, 26.viii.2002, J.M.R. Soto *det.*, 17.x.2002

MOVI 25340 (formerly NUPEC 1310) (1) specimen, ♀ mat. (406 mm TL)
South Atlantic, Brazil, SC, off Cabo de Santa Marta, FV "Akira", longline
anonymous *leg.*, viii.1999, M.M. Gonzalez & C.M. Cunha *don.*, 26.viii.2002, J.M.R. Soto *det.*, 17.x.2002

MOVI 25760 (1) specimen, ♀ (452 mm TL)
South Atlantic, Brazil, SC, 27°38'S, 46°43'W, 30–60 m, FV "Yamaya III", longline
R.R.M. Souza *leg.*, 21.vii–13.viii.2002, R.R.M. Souza *don.*, 15.viii.2002, J.M.R. Soto *det.*, 15.viii.2002
Remarks: collected in the stomach content of *Xiphias gladius*.

MOVI 31294 (1) photographs, ♀ (460 mm TL)
South Atlantic, Brazil, off southeastern Brazil
anonymous *leg.*, xi.1996, L.B. Veras *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000

***Isistius plutodus* Garrick & Springer, 1964**

MOVI 19660 (1) specimen, ♂ (approx. 310 mm TL)
South Atlantic, 34°50'S, 32°26'W–34°13'S, 32°21'W, 30–60 m, FV "Yamaya III", longline
A.T. Lima *leg.*, 17.ii.2002, A.T. Lima *don.*, 30.i.2002, J.M.R. Soto *det.*, 30.i.2002
Remarks: collected in the stomach content of *Prionace glauca*.

***Oxynotus centrina* (Linnaeus, 1758)**

MOVI 16011 (formerly MCTA 00500) (1) specimen, ♀ embr. (174 mm TL)

Mediterranean Sea, Spain, Barcelona, off Serola, 600–800 m, FV “Maireta II”, bottom trawl
J. Martin-Reyes *leg.*, iii.1998, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000
Remarks: taken from a 730 mm TL female.

MOVI 16713 (1) specimen, ♂ immat. (575 mm TL)
North Atlantic, Spain, Finisterre, Punta sur de la Marica, 43°01'30"N, 09°35'42"W, 568 m, FV “Mercedes III”
anonymous *leg.*, iii.2000, J. Ribé-L. *don.*, 21.v.2001, J.M.R. Soto *det.*, 21.v.2001

MOVI 16714 (formerly MCTA) (1) specimen, ♂ mat. (620 mm TL)
Mediterranean Sea, Spain, Serola, Barceloneta, 707 m, FV “Maireta II”, bottom trawl
anonymous *leg.*, i.2000, J. Ribé-L. *don.*, 21.v.2001, J. Ribé-L. *det.*, i.2000

MOVI 25279 (1) specimen, ♀ (673 mm TL)
Mediterranean Sea, Spain, Serola, 41°11'30"N, 02°29'15"W–41°09'15"N, 02°15'48"W, 740–805 m, FV “Maireta II”, bottom trawl
anonymous *leg.*, 19.i.2002, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Oxynotus paradoxus* Frade, 1929**

MOVI 25277–25278 (2) specimens, ♀ (599–682 mm TL)
North Atlantic, Spain, Cape Finisterre, 42°49'00"N, 09°35'54"W, 510 m, FV “Mercedes III”, bottom trawl
anonymous *leg.*, 06.vii.2001, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Scymnodon obscurus* (Vaillant, 1888)**

MOVI 19538–19539 (formerly USNM 220508) (2) specimens, 1 ♂ (372 mm TL) and 1 ♀ (313 mm TL)
North Atlantic, off Suriname, 07°51'N, 54°23'W, 425 fm [778 m], RV “Oregon II”
anonymous *leg.*, 15.v.1969, S.L. Jewett *don.*, 14.xi.2001, J.M.R. Soto *det.*, 03.xii.2001
Remarks: original lot with 9 specimens.

***Scymnodon ringens* Bocage & Capello, 1864**

MOVI 17257 (1) specimen, ♀ (360 mm TL)
North Atlantic, 36°50.08'N, 09°13.0'W, 657–679 m, RV “Noruega”, bottom trawl
anonymous *leg.*, 01.ix.2000, A.M. Inácio *don.*, 28.v.2001, P.B. Machado *det.*, 01.ix.2000

MOVI 37375 (1) jaws, ♀ (710 mm TL)
North Atlantic, Western Ireland, 350–800 m, bottom trawl
H. Cappetta *leg.*, 1985–1986, H. Cappetta *don.*, 11.v.2004, H. Cappetta *det.*, 11.v.2004

***Somniosus rostratus* (Risso, 1826)**

MOVI 16015 (formerly MCTA 00244) (1) specimen, ♂ embr. (103 mm TL)
Mediterranean Sea, Spain, Barcelona, off Serola, 600–800 m, FV “Maireta II”, bottom trawl
J. Martin-Reyes *leg.*, 20.xii.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000
Remarks: taken from an approx. 1 m TL female; original lot with 8 specimens.

***Somniosus* sp.**

MOVI 05273 (1) photograph, SU mat. (4,5–5,0 m TL, 1150 kg eviscerated)
South Atlantic, Brazil, RS, 31°30'S, 47°00'W–32°30'S, 48°30'W, 200 m, FV “Soyu Maru”, longline
J.C. da Silva *leg.*, viii.1987, P. Conolly *don.*, 02.vii.1995, J.M.R. Soto *det.*, 02.vii.1995

MOVI 10155 (1) photograph, ♀ (TLU)
South Atlantic, Argentina, Isla de los Estados, 54°35'S, 63°00'W, FV “Petropavloskaya Krepov”
anonymous *leg.*, 1980's, G. Piacentino *don.*, x.1992, J.M.R. Soto *det.*, 16.iii.2001

MOVI 16090 (1) photograph, ♂ (410 cm TL)
South Atlantic, 90 miles from off Chuí, Brazil-Uruguay border, 300–400 m, bottom gillnet
anonymous *leg.* (Compañía Pesquera de Mar del Plata), anonymous *don.*, vi.1998, J.M.R. Soto *det.*, 16.iii.2001

***Squaliolus laticaudus* Smith & Radcliffe, 1912**

MOVI 16169–16171 (3) specimens, 1 ♂ (135 mm TL) and 2 ♀ (120–130 mm TL)

South Atlantic, Brazil, RS, 32°09'S, 50°01'W, 20–50 m, FV “Macedo I”, longline
E.B. Miranda *leg.*, 03.vi.2000, E.B. Miranda *don.*, 09.vi.2000, J.M.R. Soto *det.*, 09.vi.2000
Remarks: specimen 16171 donated to MCTA.

MOVI 16174 (1) specimen, ♀ (133 mm TL)
South Atlantic, Brazil, RS, 31°43'S, 49°30'W, 20–50 m, FV “Macedo I”, longline
E.B. Miranda *leg.*, 20.vii.2000, E.B. Miranda *don.*, 01.viii.2000, M.M. Mincarone *det.*, 01.viii.2000

MOVI 25836 (1) specimen, SU mat. (TLU)
South Atlantic, Brazil, RS, 32°08'S, 49°12'W–31°47'S, 48°48'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 01.v.2002, A.T. Lima *don.*, 20.v.2002, J.M.R. Soto *det.*, 12.xi.2002
Remarks: collected in the stomach content of *Xiphias gladius*.

Family CENTROPHORIDAE

***Centrophorus granulosus* (Bloch & Schneider, 1801)**

MOVI 16158 (formerly MCTA) (1) chondrocranium, jaws and epidermis samples, SU mat. (TLU)
Mediterranean Sea, Spain, Barcelona, off Serola, 600–800 m, FV “Maireta II”, bottom trawl
J. Martin-Reyes *leg.*, 20.xii.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000

MOVI 17260 (1) specimen, ♂ (830 mm TL)
North Atlantic, Portugal, 36°41.1'N, 08°21.8'W, 676 m, RV “Noruega”, bottom trawl
anonymous *leg.*, 23.vii.2000, A.M. Inácio *don.*, 17.vii.2001, A.M. Inácio *det.*, 17.vii.2001

MOVI 25304 (1) specimen, ♀ (968 mm TL)
Mediterranean Sea, Spain, 41°11'30"N, 02°29'15"W–41°09'15"N, 02°15'48"W, 740–805 m, FV “Maireta II”, bottom trawl
anonymous *leg.*, 26.iii.2002, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Centrophorus squamosus* (Bonnaterre, 1788)**

MOVI 37366 (formerly IIPB 207/1985) (1) specimen, ♂ (970 mm TL)
South Atlantic, Namibia, 26°28'S, 14°00'E, 389 m, bottom trawl
anonymous *leg.*, 03.viii.1984, D. Lloris *don.*, 07.vii.2004, D. Lloris *det.*, 07.vii.2004

MOVI 37367 (1) jaws, ♀ (1270 mm TL)
North Atlantic, Western Ireland, 350–800 m, bottom trawl
H. Cappetta *leg.*, 1985–1986, H. Cappetta *don.*, 11.v.2004, H. Cappetta *det.*, 11.v.2004

MOVI 37368 (1) jaws, ♂ (810 mm TL)
North Atlantic, Western Ireland, 350–800 m, bottom trawl
H. Cappetta *leg.*, 1985–1986, H. Cappetta *don.*, 11.v.2004, H. Cappetta *det.*, 11.v.2004

MOVI 37369 (1) jaws, ♀ (980 mm TL)
North Atlantic, Western Ireland, 350–800 m, bottom trawl
H. Cappetta *leg.*, 1985–1986, H. Cappetta *don.*, 11.v.2004, H. Cappetta *det.*, 11.v.2004

***Deania calcea* (Lowe, 1839)**

MOVI 17258 (1) specimen, ♀ (490 mm TL)
North Atlantic, 36°47.0'N, 09°10.0'W, 640–650 m, RV “Noruega”, bottom trawl
anonymous *leg.*, 01.ix.2000, A.M. Inácio *don.*, 28.v.2001, P. B. Machado *det.*, 01.ix.2000

MOVI 25305–25306 (2) specimens, ♀ (897–926 mm TL)
North Atlantic, Spain, Cape Fisterre, Piedra del Sur, 42°48'30"N, 09°36'30"W, 510 m, FV “Mercedes III”, bottom trawl
anonymous *leg.*, vi.2000, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

MOVI 37370 (1) jaws, ♂ (860 mm TL)
North Atlantic, Western Ireland, 350–800 m, bottom trawl
H. Cappetta *leg.*, 1985–1986, H. Cappetta *don.*, 11.v.2004, H. Cappetta *det.*, 11.v.2004

MOVI 37371 (1) jaws, ♀ (1080 mm TL)
North Atlantic, Western Ireland, 350–800 m, bottom trawl

H. Cappetta *leg.*, 1985–1986, H. Cappetta *don.*, 11.v.2004, H. Cappetta *det.*, 11.v.2004

MOVI 37372 (1) jaws and dorsal spine, ♀ (590 mm TL)

North Atlantic, Western Ireland, 350–800 m, bottom trawl

H. Cappetta *leg.*, 1985–1986, H. Cappetta *don.*, 11.v.2004, H. Cappetta *det.*, 11.v.2004

MOVI 37373 (1) jaws, ♂ (700 mm TL)

North Atlantic, Western Ireland, 350–800 m, bottom trawl

H. Cappetta *leg.*, 1985–1986, H. Cappetta *don.*, 11.v.2004, H. Cappetta *det.*, 11.v.2004

Family SQUALIDAE

***Cirrhigaleus asper* (Merrett, 1973)**

MOVI 04891 (1) specimen, ♂ (1085 mm TL, 6.35 kg)

South Atlantic, Brazil, RS, 29°39'56"S, 47°48'42"W, 540 m, FV "Iporanga", trap

V.M. Inêz *leg.*, 22.iv.1995, V.M. Inêz *don.*, 02.v.1995, J.M.R. Soto *det.*, 05.vi.1997

MOVI 08809 (1) specimen, ♂ (1094 mm TL)

South Atlantic, Brazil, RS, 31°59'04"S, 49°18'33"W, 277 m, FV "Master Fish", bottom longline

A.H. Roman & P.C. Rodrigues *leg.*, 23.viii.1997, A.H. Roman & P.C. Rodrigues *don.*, 03.ix.1997, J.M.R. Soto *det.*, 26.iii.1998

***Squalus acanthias* Linnaeus, 1758**

MOVI 00119 (formerly MCNC) (3) specimens, 1 ♀ mat. (925 mm TL), 1 ♂ embr. (65 mm TL) and 1 ♀ embr. (64 mm TL)

South Atlantic, Brazil, RS, 16–20 km off Pinhal, 18–25 m, FV "Capitão Rodrigo", gillnet

J.M.R. Soto & R.C.P. Beheregaray *leg.*, 3.vii.1990, J.M.R. Soto & R.C.P. Beheregaray *don.*, 3.vii.1990, J.M.R. Soto *det.*, 20.vi.1991

MOVI 00130 (formerly MCNC) (1) Esqueleto, ♀ (605 mm TL)

South Atlantic, Brazil, RS, 30 km off Imbé, 25–31 m, FV "Laureano V", bottom gillnet

J.M.R. Soto *leg.*, 15.i.1989, J.M.R. Soto *don.*, 15.i.1989, J.M.R. Soto *det.*, 20.vi.1991

MOVI 05261–05266 (6) specimens, 2 ♂ embr. (163–205 mm TL) and 4 ♀ embr. (158–194 mm TL)

South Atlantic, Brazil, RS, 30°52'38"S, 49°40'21"W, FV "Iporanga", trap

V.M. Inêz *leg.*, 25.vii.1995, V.M. Inêz *don.*, 04.viii.1995, J.M.R. Soto *det.*, 26.iii.1998

MOVI 16036 (formerly MCTA 00096) (1) jaws and spines, SU (TLU)

Mediterranean Sea, Spain, Barcelona, Palamos beach, Girona

J. Ribé-L. *leg.*, 1990, J. Ribé-L. *don.*, 08.iv.2000, J. Ribé-L. *det.*, 08.iv.2000

MOVI 16657–16658 (formerly USNM 201930) (2) specimens, 1 ♂ mat. (703 mm TL) and 1 ♀ immat. (511 mm TL)

North Atlantic, USA, North Carolina, off Cape Hatteras, 36°54'N, 74°39'W, "Delaware"

anonymous *leg.*, 04.ii.1967, S.L. Jewett *don.*, i.2001, J.M.R. Soto *det.*, 10.ii.2001

Remarks: original lot with 6 specimens.

MOVI 16659–16660 (formerly USNM 022660) (2) specimens, 1 ♂ embr. (175 mm TL) and 1 ♀ embr. (174 mm TL)

North Atlantic, USA, Massachusetts, Gloucester Mass

anonymous *leg.*, date unknown, S.L. Jewett *don.*, i.2001, J.M.R. Soto *det.*, 10.ii.2001

Remarks: original lot with 42 specimens.

MOVI 25539–25540 (formerly LEAM) (2) specimens, 1 ♂ (582 mm TL) and 1 ♀ (563 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 25541 (formerly LEAM) (1) specimen, ♀ (802 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 25542 (formerly LEAM) (1) specimen, ♀ (771 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 25543 (formerly LEAM) (1) specimen, ♂ (559 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 25544 (formerly LEAM) (1) specimen, ♂ (564 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 25545–25547 (formerly LEAM) (3) specimens, 1 ♀ (654 mm TL) and 2 SU embr. (81–82 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 25548–25552 (formerly LEAM) (5) specimens, 1 ♀ (703 mm TL), 1 ♂ embr. (116 mm TL) and 3 ♀ embr. (117–119 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1990’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 25553–25561 (formerly LEAM) (9) specimens, 1 ♀ (760 mm TL) and 8 SU embr. (43–47 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1990’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 25562 (formerly LEAM) (1) specimen, ♂ (595 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1990’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 25563 (formerly LEAM) (1) specimen, ♂ (667 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1990’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 25564 (formerly LEAM) (1) specimen, ♀ (635 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1990’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 25565 (formerly LEAM) (1) specimen, ♂ (641 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1990’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002

MOVI 31028–31029 (formerly CAS 21424) (2) specimens, ♂ (255 mm TL) and ♀ (280 mm TL)
North America, USA, California, San Francisco Bay, off Alameda, Chinese shrimp net
K.F. Innes *leg.*, 28.ix.1951, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, 1977

***Squalus blainville* (Risso, 1827)**

MOVI 19544 (formerly USNM 220516) (1) specimen, ♂ (215 mm TL)
North Atlantic, Sierra Leone, 07°20’N, 13°23’W, 100 fm [183 m], “La Rafale”
anonymous *leg.*, 18.xi.1963, S.L. Jewett *don.*, 14.xi.2001, J.M.R. Soto *det.*, 03.xii.2001
Remarks: original lot with 14 specimens.

***Squalus cubensis* Howell-Rivero, 1936**

MOVI 19534 (formerly USNM 188026) (1) specimen, ♂ (332 mm TL)
North Atlantic, off Cuba, 23°30’N, 79°27’W, 300 m, “Silver Bay”
anonymous *leg.*, date unknown, S.L. Jewett *don.*, 14.xi.2001, J.M.R. Soto *det.*, 03.xii.2001
Remarks: original lot with 5 specimens.

***Squalus megalops* (Macleay, 1881)**

MOVI 25283 (1) specimen, ♂ immat. (466 mm TL)
Mediterranean Sea, Spain, Catalunya, Costa Brava, bottom trawl
anonymous *leg.*, 20.i.1996, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Squalus* sp. A**

MOVI 00131–00132 (formerly MCNC) (2) specimens, 1 ♂ immat. (395 mm TL) and 1 ♀ immat. (463 mm TL)
South Atlantic, Brazil, RS, 30 km off Imbé, 25–31 m, FV “Laureano V”, bottom gillnet

- J.M.R. Soto *leg.*, 15.i.1988, J.M.R. Soto *don.*, 15.i.1989, J.M.R. Soto *det.*, 20.vi.1991
- MOVI 00139–00140 (formerly MCNC) (2) specimens, ♂ embr. (183–188 mm TL)
South Atlantic, Brazil, RS, 7 km off Imbé, 10 m, FV “Laureano V”, gillnet
J.M.R. Soto *leg.*, 5.i.1990, J.M.R. Soto *don.*, 5.i.1990, J.M.R. Soto *det.*, 20.vi.1991
- MOVI 06665–06674 (10) specimens, 6 ♂ (393–473 mm TL) and 4 ♀ (510–573 mm TL)
South Atlantic, Brazil, RS, 30°02′01″S, 48°35′56″W, 140 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 08.iii.1997, P.C. Rodrigues *don.*, 20.iii.1997, J.M.R. Soto *det.*, 27.iii.1997
- MOVI 07002–07009 (8) specimens, 7 ♂ (441–469 mm TL) and 1 ♀ (501 mm TL)
South Atlantic, Brazil, SC, 28°39′12″S, 47°24′27″W, 300 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 12.iv.1997, P.C. Rodrigues *don.*, 15.iv.1997, J.M.R. Soto *det.*, 15.iv.1997
- MOVI 07010–07019 (10) specimens, 3 ♂ (463–479 mm TL) and 7 ♀ (528–580 mm TL)
South Atlantic, Brazil, SC, 29°32′14″S, 47°43′20″W, 280 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 11.iv.1997, P.C. Rodrigues *don.*, 15.iv.1997, J.M.R. Soto *det.*, 15.iv.1997
- MOVI 07021–07022 (2) skeletons and epidermis, ♀ (556–574 mm TL)
South Atlantic, Brazil, SC, 29°43′07″S, 47°21′17″W, 300 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 09.iv.1997, P.C. Rodrigues *don.*, 15.iv.1997, J.M.R. Soto *det.*, 15.iv.1997
- MOVI 08496–08505 (10) specimens, 6 ♂ (442–461 mm TL) and 4 ♀ (474–554 mm TL)
South Atlantic, Brazil, RS, 29°37′36″S, 48°36′00″W, 145 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 30.v.1997, P.C. Rodrigues *don.*, 06.vi.1997, J.M.R. Soto *det.*, 15.vii.1997
- MOVI 08695–08737 (43) specimens, 41 ♂ (420–510 mm TL) and 2 ♀ (567–590 mm TL)
South Atlantic, Brazil, RS, 30°00′22″S, 48°34′00″W, 141 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 24.vi.1997, P.C. Rodrigues *don.*, 11.vii.1997, J.M.R. Soto *det.*, 15.vii.1997
Remarks: specimens 08720 and 08731 donated to USNM; specimen 08724 donated to MCTA; specimen 08707 donated to AVG.
- MOVI 10231–10233 (3) specimens, 1 ♂ (455 mm TL) and 2 ♀ (570–552 mm TL)
South Atlantic, Brazil, SC, 27°35′49″S, 48°01′02″W, 90 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 06.x.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10100–0116 (17) specimens, 3 ♂ (474–561 mm TL) and 4 ♀ (444–552 mm TL)
South Atlantic, Brazil, RS, 32°12′48″S, 50°08′31″W, 240 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 29.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10270 (1) specimens, 3 ♂ (582–624 mm TL) and 21 ♀ (512–800 mm TL)
South Atlantic, Brazil, RS, 29°55′15″S, 48°31′42″W, 315 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 17.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 16605 (1) specimen, ♂ (463 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, FV “Ferreira XVII”
F. Veloso *leg.*, 25.i.2001, F. Veloso *don.*, 30.i.2001, J.M.R. Soto *det.*, 30.i.2001
- MOVI 17392 (1) specimen, ♀ (820 mm TL)
South Atlantic, Brazil, RS, 32°29.820′S, 50°16.753′W–32°19.528′S, 50°11.481′W, 330–370 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 27.v.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001
- MOVI 20278 (1) specimen, ♂ (478 mm TL)
South Atlantic, Brazil, RS, 33°22.615′S, 50°54.150′W–33°26.828′S, 50°56.153′W, 130–132 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 12.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 04.iii.2002
- MOVI 20288 (1) specimen, ♂ (420 mm TL)
South Atlantic, Brazil, RS, 33°26.248′S, 50°54.072′W–33°22.500′S, 50°47.493′W, 134–138 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 12.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 04.iii.2002
- MOVI 20532–20534 (3) specimens, 2 ♂ embr. (166–171 mm TL) and 1 ♀ embr. (166 mm TL)
South Atlantic, Brazil, RS, 33°22.615′S, 50°54.150′W–33°26.828′S, 50°56.153′W, 130–132 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 12.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 13.iii.2002

- MOVI 20535–20564 (30) specimens, 14 ♂ embr. (126–190 mm TL), 12 ♀ embr. (125–281 mm TL) and 4 embr. with placenta
South Atlantic, Brazil, RS, 33°22.500'S, 50°47.493'W–33°15.736'S, 50°40.589'W, 138–145 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 12.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 13/iii/2002
- MOVI 22663 (1) specimen, ♂ (641 mm TL)
South Atlantic, Brazil, RS, 32°27.265'S, 50°15.348'W–32°38.097'S, 50°20.283'W, 380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 09.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 18.vi.2002
- MOVI 22758 (1) head, SU (TLU)
South Atlantic, Brazil, RS, 32°17.476'S, 50°10.810'W–32°30.765'S, 50°17.184'W, 360 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 18.vi.2002
- MOVI 22767–22768 (2) specimens, 1 ♂ embr. (191 mm TL) and 1 ♀ embr. (189 mm TL)
South Atlantic, Brazil, RS, 32°00.449'S, 50°10.677'W–31°48.070'S, 50°08.641'W, 160 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002
- MOVI 23062 (1) specimen, ♂ (575 mm TL)
South Atlantic, Brazil, RS, 32°46.021'S, 50°23.096'W–32°56.290'S, 50°25.754'W, 420 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 11.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23128–23129 (2) specimens, ♂ (441–450 mm TL)
South Atlantic, Brazil, RS, 32°00.449'S, 50°10.677'W–31°48.070'S, 50°08.641'W, 160 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23130–23131 (2) specimens, 1 ♂ (371 mm TL) and 1 ♀ (416 mm TL)
South Atlantic, Brazil, RS, 31°47.648'S, 50°08.506'W–31°35.113'S, 50°08.175'W, 140–150 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 25417 (formerly LEAM) (1) specimen, ♂ (472 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25418 (formerly LEAM) (1) specimen, ♂ (446 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25419–25420 (formerly LEAM) (2) specimens, ♀ (505–506 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25421 (formerly LEAM) (1) specimen, ♂ (227 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25422 (formerly LEAM) (1) specimen, ♀ (510 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25423 (formerly LEAM) (1) specimen, ♂ (417 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25424 (formerly LEAM) (1) specimen, ♀ (498 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25425–25426 (formerly LEAM) (2) specimens, 1 ♂ (464 mm TL) and 1 ♀ (537 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25427 (formerly LEAM) (1) specimen, ♀ (444 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002

- MOVI 25428 (formerly LEAM) (1) specimen, ♀ (536 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25429 (formerly LEAM) (1) specimen, ♀ (537 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25430 (formerly LEAM) (1) specimen, ♀ (547 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, 84 m, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25431 (formerly LEAM) (1) specimen, ♀ (532 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, 440 m, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25432–25433 (formerly LEAM) (2) specimens, 1 ♂ (396 mm TL) and 1 ♀ (466 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, 38 m, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25434–25440 (formerly LEAM) (7) specimens, 3 ♂ (416–440 mm TL) and 4 ♀ (497–549 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25441 (formerly LEAM) (1) specimen, ♀ (500 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25442 (formerly LEAM) (1) specimen, ♀ (490 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25443 (formerly LEAM) (1) specimen, ♀ (494 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25444 (formerly LEAM) (1) specimen, ♀ (463 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25445 (formerly LEAM) (1) specimen, ♀ (500 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25446 (formerly LEAM) (1) specimen, ♀ (386 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25447 (formerly LEAM) (1) specimen, ♀ (517 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25448 (formerly LEAM) (1) specimen, ♂ (455 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25449 (formerly LEAM) (1) specimen, ♀ (523 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25450 (formerly LEAM) (1) specimen, ♀ (489 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002

- MOVI 25451 (formerly LEAM) (1) specimen, ♀ (505 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25452 (formerly LEAM) (1) specimen, ♀ (485 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25453 (formerly LEAM) (1) specimen, ♀ (530 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25454 (formerly LEAM) (1) specimen, ♀ (538 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25455 (formerly LEAM) (1) specimen, ♀ (554 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25456 (formerly LEAM) (1) specimen, ♂ (448 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25457 (formerly LEAM) (1) specimen, ♂ (434 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25458 (formerly LEAM) (1) specimen, ♂ (338 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25459 (formerly LEAM) (1) specimen, ♀ (470 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25460 (formerly LEAM) (1) specimen, ♀ (408 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25461 (formerly LEAM) (1) specimen, ♂ (354 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25462 (formerly LEAM) (1) specimen, ♀ (368 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25463 (formerly LEAM) (1) specimen, ♂ (311 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25464 (formerly LEAM) (1) specimen, ♀ (335 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25465–25514 (formerly LEAM) (50) specimens, 4 ♂ (364–476 mm TL) and 46 ♀ (378–551 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25536–25538 (formerly LEAM) (3) specimens, 1 ♀ mat. (787 mm TL), 2 ♂ embr. (226–227 mm TL) and 5 ♀ embr. (223–240 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002

MOVI 26997–27000 (4) specimens, 1 ♂ embr. (115 mm TL) and 3 ♀ embr. (110–114 mm TL)
South Atlantic, Brazil, RS, 32°02.348'S, 50°03.545'W–32°02.986'S, 50°03.717'W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, J.M.R. Soto *det.* 15.x.2002

***Squalus* sp. B**

MOVI 00133 (formerly MCNC) (1) specimen, ♂ mat. (605 mm TL)
South Atlantic, Brazil, RS, 30 km off Imbé, 25–31 m, FV “Laureano V”, bottom gillnet
J.M.R. Soto *leg.*, 15.i.1989, J.M.R. Soto *don.*, 15.i.1989, J.M.R. Soto *det.*, 20.vi.1991

MOVI 06630–06664 (35) specimens, ♂ (577–667 mm TL)
South Atlantic, Brazil, RS, 30°02'01”S, 48°35'56”W, 140 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 08.iii.1997, P.C. Rodrigues *don.*, 20.iii.1997, J.M.R. Soto *det.*, 27.iii.1997

MOVI 07000–07001 (2) specimens, ♀ mat. (578–588 mm TL)
South Atlantic, Brazil, SC, 28°40'17”S, 47°21'17”W, 325 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 13.iv.1997, P.C. Rodrigues *don.*, 15.iv.1997, J.M.R. Soto *det.*, 15.iv.1997

MOVI 07020 (1) specimen, ♂ (635 mm TL)
South Atlantic, Brazil, SC, 29°32'14”S, 47°43'20”W, 280 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 11.iv.1997, P.C. Rodrigues *don.*, 15.iv.1997, J.M.R. Soto *det.*, 15.iv.1997

MOVI 10094–10099 (6) specimens, 2 ♂ (640–642 mm TL) and 4 ♀ (552–733 mm TL)
South Atlantic, Brazil, RS, 32°12'48”S, 50°08'31”W, 240 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 29.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 26.iii.1998

MOVI 10247–10269 (23) specimens, 3 ♂ (582–624 mm TL) and 20 ♀ (512–800 mm TL)
South Atlantic, Brazil, RS, 29°55'15”S, 48°31'42”W, 315 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 17.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 26.iii.1998

MOVI 10166 (1) specimen, ♂ embr. (198 mm TL)
South Atlantic, Brazil, RS, coast of Tramandaí, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 09.iv.1997

MOVI 16045–16049 (5) specimens, 2 ♂ embr. (139–140 mm TL) and 3 ♀ embr. (142–149 mm TL)
South Atlantic, Brazil, RS, 29°55'15”S, 48°31'42”W, 315 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 17.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 09.v.2000

MOVI 16050–16053 (4) specimens, 3 ♂ embr. (185–190 mm TL) and 1 ♀ embr. (166 mm TL)
South Atlantic, Brazil, RS, 29°55'15”S, 48°31'42”W, 315 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 17.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 09.v.2000

MOVI 16054–16056 (3) specimens, ♂ embr. (124–130 mm TL)
South Atlantic, Brazil, RS, 29°55'15”S, 48°31'42”W, 315 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 17.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 09.v.2000

MOVI 16057–16059 (3) specimens, ♂ embr. (80–84 mm TL)
South Atlantic, Brazil, RS, 29°55'15”S, 48°31'42”W, 315 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 17.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 09.v.2000

MOVI 16060–16064 (5) specimens, 1 ♂ embr. (162 mm TL) and 4 ♀ embr. (161–173 mm TL)
South Atlantic, Brazil, RS, 29°55'15”S, 48°31'42”W, 315 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 17.ix.1997, P.C. Rodrigues *don.*, 07.x.1997, J.M.R. Soto *det.*, 09.v.2000

MOVI 17268 (1) specimen, ♂ mat. (592 mm TL)
South Atlantic, Brazil, RS, 32°27.198'S, 50°15.260'W–32°35.731'S, 50°19.804'W, 300–360 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 30.v.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

MOVI 17269 (1) specimen, ♂ mat. (630 mm TL)
South Atlantic, Brazil, RS, 32°05'S, 50°07'W–32°51'S, 50°25'W, 150–400 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 27.v–04.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

MOVI 17275 (1) specimen, ♂ mat. (637 mm TL)

South Atlantic, Brazil, RS, 32°40.575'S, 50°22.145'W–32°30.830'S, 50°17.365'W, 300 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 02.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

MOVI 17388 (1) specimen, ♀ (760 mm TL)

South Atlantic, Brazil, RS, 32°19'S, 50°11'W–32°29'S, 50°16'W, 349–400 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 27.v.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

MOVI 22661 (1) specimen, ♀ (497 mm TL)

South Atlantic, Brazil, RS, 32°26.391'S, 50°14.905'W–32°15.099'S, 50°09.915'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 18.vi.2002

MOVI 23066 (1) specimen, ♀ (806 mm TL)

South Atlantic, Brazil, RS, 32°51.945'S, 50°24.710'W–32°37.075'S, 50°20.067'W, 360–390 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 12.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23070–23072 (3) specimens, 1 ♂ (673 mm TL) and 2 ♀ (643–805 mm TL)

South Atlantic, Brazil, RS, 32°34.867'S, 50°19.172'W–32°52.014'S, 50°25.181'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 13.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23075–23077 (3) specimens, 1 ♂ (675 mm TL) and 2 ♀ (754–771 mm TL)

South Atlantic, Brazil, RS, 32°53.120'S, 50°25.745'W–32°34.726'S, 50°19.049'W, 360–400 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 13.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23078 (1) specimen, ♀ (678 mm TL)

South Atlantic, Brazil, RS, 32°34.464'S, 50°19.084'W–32°55.016'S, 50°25.638'W, 370–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 13.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23094 (1) specimen, ♀ (795 mm TL)

South Atlantic, Brazil, RS, 32°26.278'S, 50°14.864'W–32°40.342'S, 50°21.403'W, 350–360 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 17.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23095 (1) specimen, ♀ (736 mm TL)

South Atlantic, Brazil, RS, 32°44.968'S, 50°23.882'W–32°48.454'S, 50°24.375'W, 370–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 18.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23138–23139 (2) specimens, ♀ (736–766 mm TL)

South Atlantic, Brazil, RS, 32°41.006'S, 50°21.580'W–32°54.921'S, 50°25.660'W, 370–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 19.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 24343–24344 (2) specimens, ♀ (715–770 mm TL)

South Atlantic, Brazil, RS, 33°28.756'S, 50°36.414'W–33°37.118'S, 50°48.312'W, 416–470 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 26–27.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24495–24512 (18) specimens, 4 ♂ embr. (173–196 mm TL) and 14 ♀ embr. (176–216 mm TL)

South Atlantic, Brazil, RS, 32°49.446'S, 50°25.230'W–32°57.903'S, 50°26.104'W, 323–364 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 05.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24513–24517 (5) specimens, 3 ♂ embr. (212–214 mm TL) and 2 ♀ embr. (210–211 mm TL)

South Atlantic, Brazil, RS, 32°53.536'S, 50°25.266'W–32°41.175'S, 50°21.394'W, 370–387 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 31.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24527–24536 (10) specimens, 5 ♂ embr. (171–198 mm TL) and 5 ♀ embr. (168–203 mm TL)

South Atlantic, Brazil, RS, 32°49.068'S, 50°23.439'W–32°36.593'S, 50°19.246'W, 433–437 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 01.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24978 (1) specimen, ♂ immat. (323 mm TL)

South Atlantic, Brazil, SC, off Santa Catarina State, midwater trawl
anonymous *leg.*, ix.2002, R.R.M. Souza *don.*, 04.x.2002, J.M.R. Soto *det.*, 04.x.2002

MOVI 25354 (formerly LEAM) (1) specimen, ♀ (723 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002

- MOVI 25355 (formerly LEAM) (1) specimen, ♀ (656 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25356 (formerly LEAM) (1) specimen, ♀ (711 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25357 (formerly LEAM) (1) specimen, ♀ (623 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25358 (formerly LEAM) (1) specimen, ♀ (592 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25359 (formerly LEAM) (1) specimen, ♀ (614 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25360 (formerly LEAM) (1) specimen, ♂ (645 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25361 (formerly LEAM) (1) specimen, ♀ (716 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25362 (formerly LEAM 16) (1) specimen, ♂ (384 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25363 (formerly LEAM 17) (1) specimen, ♀ (676 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25364 (formerly LEAM) (1) specimen, ♀ (697 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25365–25368 (formerly LEAM) (4) specimens, 1 ♂ (587 mm TL) and 3 ♀ (619–719 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25369 (formerly LEAM) (1) specimen, ♀ (728 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25370 (formerly LEAM) (1) specimen, ♀ (529 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25372 (formerly LEAM) (1) specimen, ♀ (721 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25373–25380 (formerly LEAM) (8) specimens, 3 ♂ (486–620 mm TL) and 5 ♀ (521–667 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, bottom longline
C.M. Vooren *leg.*, viii.1996, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25381–25385 (formerly LEAM) (5) specimens, 2 ♂ (576–608 mm TL) and 3 ♀ (557–739 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002

- MOVI 25386–25404 (formerly LEAM) (19) specimens, 7 ♂ (438–609 mm TL) and 12 ♀ (480–804 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25414 (formerly LEAM) (1) specimen, ♀ (481 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25517–25521 (5) specimens, 3 ♂ (550–614 mm TL) and 2 ♀ (570–601 mm TL)
South Atlantic, Brazil, RS, 34°02.53’S, 51°43.97’W–34°06.53’S, 51°48.90’W, 561–585 m, FV “Kinpo Maru 58”, trap
C.M. Lima-Silva *leg.*, 21.viii.2002, C.M. Lima-Silva *don.*, x.2002, J.M.R. Soto *det.*, 01.xi.2002
- MOVI 25522–25527 (formerly LEAM) (7) specimens, 1 ♀ mat. (776 mm TL), 2 ♂ embr. (168–170 mm TL) and 4 ♀ embr. (164–175 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 01.xi.2002, J.M.R. Soto *det.*, 04.xi.2002
- MOVI 25786–25807 (22) heads, SU (TLU)
South Atlantic, Brazil, RS, 32°02.348’S, 50°03.545’W–32°02.986’S, 50°03.717’W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, R.D. Neves *det.*, 07.xi.2002
- MOVI 26929–26977 (49) specimens, 24 ♂ embr. (153–215 mm TL) and 25 ♀ embr. (153–235 mm TL)
South Atlantic, Brazil, RS, 32°02.348’S, 50°03.545’W–32°02.986’S, 50°03.717’W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, J.M.R. Soto *det.*, 15.x.2002
- MOVI 26978–26996 (19) specimens, 8 ♂ embr. (134–163 mm TL) and 11 ♀ embr. (140–166 mm TL)
South Atlantic, Brazil, RS, 32°02.348’S, 50°03.545’W–32°02.986’S, 50°03.717’W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, J.M.R. Soto *det.*, 15.x.2002

Family ECHINORHINIDAE

***Echinorhinus brucus* (Bonnaterre, 1788)**

- MOVI 08572 (1) specimen, ♂ mat. (2020 mm TL, 44 kg)
South Atlantic, Brazil, RS, 32°16’13”S, 50°11’27”W, 240 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 30.vii.1997, P.C. Rodrigues *don.*, 07.viii.1997, J.M.R. Soto *det.*, 07.vii.1997
- MOVI 10158 (formerly MCNC) (1) photographs, ♀ (TLU)
South Atlantic, Brazil, RS, Rio Grande, off Cassino beach, bottom gillnet
anonymous *leg.*, vii.1985, J.M.R. Soto *don.*, 29.i.1987, J.M.R. Soto *det.*, 06.iv.1998
- MOVI 24560 (formerly LEAM 25) (1) head, SU (TLU)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002
- MOVI 26229 (1) specimen, ♀ mat. (2980 mm TL)
South Atlantic, Brazil, RS, 32°35’S, 49°14’W, 420 m, FV “Sambaqui III”, bottom trawl
A. Cordeiro *leg.*, 23.iv.2002, A. Cordeiro *don.*, 26.iv.2002, J.M.R. Soto *det.*, 26.iv.2002
- MOVI 27470 (1) specimen, ♀ (2220 mm TL, 58 kg)
South Atlantic, Brazil, RS, 34°45’S, 52°10’W, 150 m, FV “Galena Dourada”, bottom gillnet
C.A Costa *leg.*, 13.x.2002, C.A Costa *don.*, 23.x.2002, M.M. Mincarone *det.*, 23.x.2002
- MOVI 37569 (1) specimen, ♀ (1970 mm TL; 37.5 kg)
South Atlantic, Brazil, RS, 33°06’S, 50°34’W, 120 m, FV “Columbus III”, bottom trawl
J.R. Nascimento *leg.*, 10.x.2004, J.R. Nascimento *don.*, 22.x.2004, M.M. Mincarone *det.*, 22.x.2004

***Echinorhinus cookei* Pietschmann, 1928**

- MOVI 36933–36934 (formerly USNM 179805) (2) specimens, 1 ♂ embr. (222 mm TL) and 1 ♀ embr. (233 mm TL)
Pacífico Norte, Hawaii, Oahu, off Ala Moana Beach
I. Holokahana *leg.*, 06.xi.1959, J.T. Williams *don.*, 12.v.2004
Remarks: total of 114 embryos.

Order SQUATINIFORMES
Family SQUATINIDAE

***Squatina argentina* (Marini, 1930)**

- MOVI 10167 (1) specimen, ♀ immat.(674 mm TL)
South Atlantic, Brazil, SC, E. of Arvoredo Island, 120–150 m
M.J. Nascimento *leg.*, 31.iii.1998, R.C. Mazzoleni *don.*, 24.iv.1998, J.M.R. Soto *det.*, 01.v.1998
- MOVI 10184–10185 (formerly MOFURG 03789 and 03889) (2) specimens, ♀ mat. (1265–1320 mm TL)
South Atlantic, Brazil, RS, 32°52'S, 50°59'W, 75 m, RV “Atlântico Sul”, bottom trawl
C.M. Vooren *leg.*, 17.i.1982, C.M. Vooren *don.*, 04.vii.1998, C.M. Vooren *det.*, 31.viii.1991
- MOVI 10186 (formerly MOFURG 03189) (1) specimen, ♀ (1130 mm TL)
South Atlantic, Brazil, RS, 33°25'S, 51°28'W, 58 m, RV “Atlântico Sul”, bottom trawl
C.M. Vooren *leg.*, 18.i.1982, C.M. Vooren *don.*, 04.vii.1998, C.M. Vooren *det.*, 31.viii.1991
- MOVI 17256 (1) specimen, ♀ (976 mm TL)
South Atlantic, Brazil, RS, 32°29.644'S, 50°16.897'W–32°38.378'S, 50°21.078'W, 280 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 27.v.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 11.vi.2001
- MOVI 24567 (1) (formerly LEAM 54) specimen, ♀ mat. (1300 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002
- MOVI 25777–25778 (2) heads, SU (TLU)
South Atlantic, Brazil, RS, 32°02.348'S, 50°03.545'W–32°02.986'S, 50°03.717'W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, J.M.R. Soto *det.*, 07.xi.2002

***Squatina californica* Ayres, 1859**

- MOVI 31054–31055 (formerly CAS 48243) (2) specimens, ♂ (210 mm TL) and ♀ (209 mm TL)
North Pacific, USA, California, Tomales Bay, off Spenger's place, 25 ft [8 m], gill net
F. Spenger *leg.*, 15.iii.1964, T. Iwamoto *don.*, 02.xii.2003, W.I. Follett *det.*, 1964

***Squatina guggenheim* Marini, 1936**

- MOVI 00084 (formerly MCNC) (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, RS, 50 km off Tramadaí, 45–50 m, FV “Laureano V”, bottom gillnet
J.M.R. Soto *leg.*, 13–14.i.1989, J.M.R. Soto *don.*, 14.i.1989, J.M.R. Soto *det.*, 29.vi.2002
- MOVI 05045 (1) jaws, SU mat. (TLU)
South Atlantic, Brazil, SC, 28°55'15"S, 48°34'50"W, 88 m
J.E. Kotas *leg.*, 16.iv.1995, J.E. Kotas *don.*, 20.iv.1995, J.M.R. Soto *det.*, 29.vi.2002
- MOVI 10168 (1) specimen, ♀ immat. (687 mm TL)
South Atlantic, Brazil, SC, E. of Arvoredo Island, 120–150 m
M.J. Nascimento *leg.*, 31.iii.1998, R. C. Mazzoleni *don.*, 24.iv.1998, J.M.R. Soto *det.*, 29.vi.2002
- MOVI 10191 (formerly MOFURG 06389) (1) specimen, ♂ mat. (1180 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”, bottom trawl
C.M. Vooren *leg.*, vii.1982, C.M. Vooren *don.*, 04.vii.1998, J.M.R. Soto *det.*, 29.vi.2002
- MOVI 10192 (formerly MOFURG 06789) (1) specimen, ♀ (980 mm TL)
South Atlantic, Brazil, RS, 33°30'S, 51°53'W, 43 m, RV “Atlântico Sul”, bottom trawl
C.M. Vooren *leg.*, 26.vii.1982, C.M. Vooren *don.*, 04.vii.1998, J.M.R. Soto *det.*, 29.vi.2002
- MOVI 10193 (formerly MOFURG 07089) (1) specimen, ♀ (1055 mm TL)
South Atlantic, Brazil, RS, 33°06'S, 51°40'W, 43 m, RV “Atlântico Sul”, bottom trawl
C.M. Vooren *leg.*, 27.vii.1982, C.M. Vooren *don.*, 04.vii.1998, J.M.R. Soto *det.*, 29.vi.2002
- MOVI 10194 (formerly MOFURG 07289) (1) specimen, ♀ (1130 mm TL)
South Atlantic, Brazil, RS, 33°14'S, 51°35'W, 63 m, RV “Atlântico Sul”, bottom trawl

C.M. Vooren *leg.*, 01.viii.1982, C.M. Vooren *don.*, 04.vii.1998, J.M.R. Soto *det.*, 29.vi.2002

MOVI 10195 (formerly MOFURG 06589) [HOLOTYPE] (1) specimen, ♀ mat. (1220 mm TL)
South Atlantic, Brazil, RS, 33°06'S, 51°40'W, 43 m, RV "Atlântico Sul", bottom trawl
C.M. Vooren *leg.*, 27.vii.1982, C.M. Vooren *don.*, 04.vii.1998, J.M.R. Soto *det.*, 29.vi.2002
Remarks: holotype of *Squatina occulta* Vooren & Silva, 1991. Additional paratypes are catalogued as MCP 13999 (1) and MZUSP 41518 (1).

MOVI 23018 (1) specimen, ♀ (870 mm TL)
South Atlantic, Brazil, RS, 31°47.648'S, 50°08.506'W–31°35.113'S, 50°08.175'W, 140–150 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 24809 (formerly LEAM) (1) specimen, ♂ immat. (401 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24810 (formerly LEAM) (1) specimen, ♂ immat. (435 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24811 (formerly LEAM) (1) specimen, ♂ immat. (508 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24812 (formerly LEAM) (1) specimen, ♂ immat. (497 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24813 (formerly LEAM) (1) specimen, ♂ immat. (560 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

***Squatina punctata* Marini, 1936**

MOVI 00112 (formerly MCNC) (1) specimen, ♂ immat. (376 mm TL)
South Atlantic, Brazil, RS, 30 km off Imbé, 25–31 m, FV "Laureano V", bottom gillnet
J.M.R. Soto *leg.*, 15.i.1989, J.M.R. Soto *don.*, 15.i.1989, J.M.R. Soto *det.*, 06.xii.2000
Remarks: specimen donated to MCTA.

MOVI 00137–00138 (formerly MCNC) (2) specimens, 1 ♀ embr. (204 mm TL) and 1 ♂ embr. (209 mm TL)
South Atlantic, Brazil, RS, 30 km off Imbé, 25–31 m, FV "Laureano V", bottom gillnet
J.M.R. Soto *leg.*, 15.i.1989, J.M.R. Soto *don.*, 15.i.1989, J.M.R. Soto *det.*, 06.xii.2000

MOVI 00282 (formerly MCNC) (1) specimen, ♂ embr. (53 mm TL)
South Atlantic, Brazil, RS, 30 km off Imbé, 25–31 m, FV "Laureano V", bottom gillnet
J.M.R. Soto *leg.*, 15.i.1989, J.M.R. Soto *don.*, 15.i.1989, J.M.R. Soto *det.*, 06.xii.2000

MOVI 00636 (formerly MCNC) (1) specimen, ♂ immat. (496 mm TL)
South Atlantic, Brazil, RS, 5 km off Imbé, 7–8 m
R.S. Bacelar *leg.*, 03.x.1991, J.M.R. Soto & S.S.Vega *don.*, 07.x.1991, J.M.R. Soto *det.*, 06.xii.2000

MOVI 01156 (formerly MCNC) (1) specimen, ♂ immat. (375 mm TL)
South Atlantic, Brazil, RS, 50 km off Tramandaí, 50 m, FV "Laureano IV", bottom gillnet
J.M.R. Soto & W. Nisa-Castro-Neto *leg.*, 7–8.iii.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 8.iii.1992, J.M.R. Soto *det.*, 06.xii.2000
Remarks: specimen donated to USNM.

MOVI 01157–01158 (formerly MCNC) (2) specimens, ♂ immat. (371–463 mm TL)
South Atlantic, Brazil, RS, 27 km off Tramandaí, 25–30 m, FV "Laureano V", bottom gillnet
J.M.R. Soto & W. Nisa-Castro-Neto *leg.*, 7–8.iii.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 8.iii.1992, J.M.R. Soto *det.*, 06.xii.2000
Remarks: specimen 01157 donated to USNM.

MOVI 01161–01165 (formerly MCNC) (5) specimens, ♀ embr. (120–145 mm TL)
South Atlantic, Brazil, RS, 27 km off Tramandaí, 25–30 m, FV "Laureano V", bottom gillnet

- J.M.R. Soto & W. Nisa-Castro-Neto *leg.*, 7–8.iii.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 8.iii.1992, J.M.R. Soto *det.*, 06.xii.2000
- MOVI 01166 (formerly MCNC) (1) specimen, ♂ embr. (80 mm TL)
South Atlantic, Brazil, RS, 27 km off Tramandaí, 25–30 m, FV “Laureano V”, bottom gillnet
J.M.R. Soto & W. Nisa-Castro-Neto *leg.*, 7–8.iii.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 8.iii.1992, J.M.R. Soto *det.*, 06.xii.2000
- MOVI 01788 (formerly MCNC) (1) specimen, ♀ embr. (240 mm TL)
South Atlantic, Brazil, RS, 50 km off Mostardas, 50 m
R.S. Bacelar *leg.*, 29.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 02.xi.1992, J.M.R. Soto *det.*, 06.xii.2000
- MOVI 03598 (1) specimen, ♀ immat. (282 mm TL)
South Atlantic, Brazil, SC, near to Galé Island
anonymous *leg.*, ii.1994, J.M.R. Soto *don.*, ii.1994, J.M.R. Soto *det.*, 06.xii.2000
- MOVI 01981 (1) specimen, ♀ immat. (629 mm TL)
South Atlantic, Brazil, SC, Barra Velha, gillnet
R.C. Mazzoleni & A.H. Roman *leg.*, 21.xi.1993, R.C. Mazzoleni & A.H. Roman *don.*, 21.xi.1993, J.M.R. Soto *det.*, 06.xii.2000
- MOVI 05260 (1) specimen, ♀ embr. (178 mm TL)
South Atlantic, Brazil, RS, 30°52'38"S, 49°40'21"W, FV “Iporanga”
V.M. Inêz *leg.*, 25.vii.1995, V.M. Inêz *don.*, 04.viii.1995, J.M.R. Soto *det.*, 06.xii.2000
- MOVI 10187 (formerly MOFURG 00789) (1) specimen, ♀ (500 mm TL)
South Atlantic, Brazil, RS, 31°22'S, 50°47'W, 42 m, RV “Atlântico Sul”, bottom trawl
C.M. Vooren *leg.*, 08.v.1981, C.M. Vooren *don.*, 04.vii.1998, J.M.R. Soto *det.*, 06.xii.2000
- MOVI 10188–10189 (formerly MOFURG 04989 and 05789) (2) specimens, ♀ (677–775 mm TL)
South Atlantic, Brazil, RS, 33°28'S, 52°17'W, 52 m, RV “Atlântico Sul”, bottom trawl
C.M. Vooren *leg.*, 24.vii.1982, C.M. Vooren *don.*, 04.vii.1998, J.M.R. Soto *det.*, 06.xii.2000
- MOVI 10190 (formerly MOFURG 05589) (1) specimen, ♂ (760 mm TL)
South Atlantic, Brazil, RS, 33°13'S, 52°06'W, 54 m, RV “Atlântico Sul”, bottom trawl
C.M. Vooren *leg.*, 25.vii.1982, C.M. Vooren *don.*, 04.vii.1998, J.M.R. Soto *det.*, 06.xii.2000
- MOVI 24479 (1) specimen, ♂ (210 mm TL)
South Atlantic, Brazil, RS, 32°56.262'S, 50°35.045'W–32°44.332'S, 50°39.946'W, 82–90 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 07.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24814 (formerly LEAM) (1) specimen, ♀ immat. (252 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24815 (formerly LEAM) (1) specimen, ♀ immat. (395 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24816 (formerly LEAM) (1) specimen, ♂ immat. (440 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002
- MOVI 24817 (formerly LEAM) (1) head, SU immat. (TLU)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

Order PRISTIFORMES

Family PRISTIDAE

***Anoxypristis cuspidata* (Latham, 1794)**

- MOVI 08507 (1) rostrum, SU immat. (approx. 220 cm TL)
Indo-Pacific
anonymous *leg.*, 1980's, A. Matamoros *don.*, 29.iv.1997, J.M.R. Soto *det.*, 09.v.2000

MOVI 31018 (formerly CAS 218663) (1) specimen, F (492 mm TL)
Indian, Pakistan, 12 miles SW of Kemari, 150 ft [46 m], trawl
F.B. Steiner *leg.*, 20.vii.1975, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, 03.x.1975

***Pristis pectinata* Latham, 1794**

MOVI 31262 (formerly CCNG 00236) (1) rostrum, SU (TLU)
South Atlantic, Brazil, PE, Recife, public market
anonymous *leg.*, 1919, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003

***Pristis pristis* (Linnaeus, 1758)**

MOVI 16172–16173 (2) rostrum, SU immat. (approx. 868–895 mm TL)
North Atlantic, Brazil, AP, Parazinho Island, 01°03'N, 49°57'W
A. Filippini & J.L.X. Nascimento *leg.*, xi.1991, A. Filippini *don.*, 19.vi.2000, J.M.R. Soto *det.*, 04.vii.2000

MOVI 31263 (formerly CCNG 00237) (1) rostrum, SU (TLU)
South Atlantic, Brazil, PA, Belém, “Ver o Peso” market
anonymous *leg.*, xi.1981, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003

MOVI 31264 (formerly CCNG 00238) (1) rostrum, SU (TLU)
South Atlantic, Brazil, PA, Belém, “Ver o Peso” market
anonymous *leg.*, xi.1981, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003

MOVI 31265 (formerly CCNG 00239) (1) rostrum, SU (TLU)
South Atlantic, Brazil, PA, Belém, “Ver o Peso” market
anonymous *leg.*, xi.1981, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003

Order TORPEDINIFORMES

Family TORPEDINIDAE

***Torpedo californica* Ayres, 1855**

MOVI 31008–31009 (formerly CAS 13429) (2) specimens, ♂ (114 mm DW, 200 mm TL) and ♀ (120 mm DW, 190 mm TL)
North Pacific, USA, California, Marin, UC Marine Station near Bodega Bay
E.S. Herald *leg.*, 07.v.1968, T. Iwamoto *don.*, 02.xii.2003, E.S. Herald *det.*, date unknown
Remarks: newborn (8 of 33) from 41"TL and 38.5"DW female with 38.75 lb.

***Torpedo fuscomaculata* Peters, 1855**

MOVI 31013 (formerly CAS 58374) (1) specimen, ♀ (170 mm DW, 248 mm TL)
Indian, Madagascar, Antsiranana Prov., Nosy Be Island, East Ambariobe, 13°26'10"S, 04°22'54"E, poison
J. Rudloe *leg.*, 14.ii.1964, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, date unknown

***Torpedo marmorata* Risso, 1810**

MOVI 16014 (formerly MCTA) (1) specimen, ♂ (155 mm DW, 252 mm TL)
Mediterranean Sea, Spain, Barcelona, Palamos beach, Girona
J. Ribé-L. *leg.*, ix.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000

MOVI 16040 (formerly MCTA) (1) jaws, ♀ (340 mm TL)
Mediterranean Sea, Spain, Barcelona, Vilanova, Ila Gertru
anonymous *leg.*, vi.1990, J. Ribé-L. *don.*, 08.iv.2000, J. Ribé-L. *det.*, 08.iv.2000

***Torpedo nobiliana* Bonaparte, 1835**

MOVI 16012 (formerly MCTA) (1) specimen, ♀ (95 mm DW, 132 mm TL)
Mediterranean Sea, Spain, Barcelona, Palamos beach, Girona
J. Ribé-L. *leg.*, ix.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000

***Torpedo puelcha* Lahille, 1926**

MOVI 16504 (1) specimen, ♀ (660 mm DW, 940 mm TL)

South Atlantic, Brazil, PR, coast of Guaratuba, 13 m, FV “Trimar II”
anonymous *leg.*, 23.ix.2000, P.R. Schwingel & J.P. Rhulino *don.*, 16.x.2000, J.M.R. Soto *det.*, 23.x.2000

MOVI 16517 (1) specimen, ♀ (555 mm DW, 780 mm TL)

South Atlantic, Brazil, off southern region
anonymous *leg.*, 2002, P.R. Schwingel *don.*, 25.vii.2002, J.M.R. Soto *det.*, 29.vii.2002

MOVI 17264 (1) specimen, ♂ immat. (370 mm DW, 543 mm TL)

South Atlantic, Brazil, RS, 32°29.341'S, 50°16.470'W–32°34.277'S, 50°19.148'W, 300 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 03.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

MOVI 17265 (1) specimen, ♂ immat. (131 mm DW, 238 mm TL)

South Atlantic, Brazil, RS, 32°40.575'S, 50°22.145'W–32°30.830'S, 50°17.345'W, 300 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 02.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

MOVI 22667 (1) specimen, ♀ (177 mm DW, 528 mm TL)

South Atlantic, Brazil, RS, 32°22.952'S, 50°13.027'W–32°35.515'S, 50°19.200'W, 380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 07.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 29.vi.2002

MOVI 22760 (1) specimen, ♂ immat. (125 mm DW, 190 mm TL)

South Atlantic, Brazil, RS, 32°30.743'S, 50°17.185'W–32°26.145'S, 50°14.769'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 29.vi.2002

MOVI 23019 (1) specimen, ♂ mat. (448 mm DW, 665 mm TL)

South Atlantic, Brazil, RS, 32°29.164'S, 50°15.985'W–32°36.705'S, 50°19.127'W, 350–420 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 06.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 23020 (1) specimen, ♀ (419 mm DW, 580 mm TL)

South Atlantic, Brazil, RS, 32°41.280'S, 50°20.762'W–32°27.085'S, 50°12.249'W, 400 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 23022 (1) specimen, ♂ (450 mm DW, 686 mm TL)

South Atlantic, Brazil, RS, 32°38.271'S, 50°19.198'W–32°35.922'S, 50°19.821'W, 320–420 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 06.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 24068–24078 (11) specimens, 1 ♀ mat. (630 mm DW, 1170 mm TL), 5 ♂ embr. (160–169 mm DW, 248–255 mm TL) and
5 ♀ embr. (169–180 mm DW, 250–276 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, bottom trawl
anonymous *leg.*, vi.2002, P.R. Schwingel *don.*, 25.vii.2002, J.M.R. Soto *det.*, 25.vii.2002

MOVI 24308 (1) specimen, ♂ mat. (318 mm DW, 656 mm TL)

South Atlantic, Brazil, RS, 32°58.918'S, 50°25.410'W–32°46.648'S, 50°24.011'W, 350–375 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 03.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24313 (1) specimen, ♀ mat. (593 mm DW, 923 mm TL)

South Atlantic, Brazil, RS, 32°49.446'S, 50°25.230'W–32°57.903'S, 50°26.104'W, 323–364 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 05.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24695 (formerly LEAM 51) (1) specimen, ♀ mat. (710 mm DW, 1049 mm TL)

South Atlantic, Brazil, RS, coast of Rio Grande do Sul State, 60 m, FV “Jahu Icanhema VII”
anonymous *leg.*, 01.ix.1986, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 25779–25781 (3) specimens, ♂ mat. (433–456 mm DW, 674–746 mm TL)

South Atlantic, Brazil, RS, 32°02.348'S, 50°03.545'W–32°02.986'S, 50°03.717'W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, J.M.R. Soto *det.*, 07.xi.2002

MOVI 37570 (1) specimen, ♂ (375 mm DW, 610 mm TL)

South Atlantic, Brazil, RS, 33°06'S, 50°34'W, 120 m, FV “Columbus III”, bottom trawl
J.R. Nascimento *leg.*, 10.x.2004, J.R. Nascimento *don.*, 22.x.2004, J.M.R. Soto *det.*, 22.x.2004

***Torpedo torpedo* (Linnaeus, 1758)**

MOVI 16013 (formerly MCTA) (1) specimen, ♀ (110 mm DW, 190 mm TL)

Mediterranean Sea, Spain, Barcelona, Palamos beach, Girona

J. Ribé-L. *leg.*, ix.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000

MOVI 31001 (formerly CAS 58396) (1) specimen, ♂ (70 mm DW, 117 mm TL)

South Atlantic, Angola, Baia Farta, 12°36'S, 01°12'E, RV "Undaunted", small seine

G.C. Miller *leg.*, 05.iv.1968, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, date unknown

***Torpedo tremens* de Buen, 1959**

MOVI 31011–31012 (formerly CAS 58386) (2) specimens, ♂ (159 mm DW, 207 mm TL) and ♀ (197 mm DW, 295 mm TL)

South Pacific, Peru, 05°39'S, 81°00'W, 44 m, RV "Anton Bruun"

L.W. Knapp *et al. leg.*, 07.ix.1966, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, date unknown

Family NARCINIDAE

***Benthobatis krefftii* Rincon, Stehmann & Vooren, 2001**

MOVI 10210 [PARATYPE] (1) specimen, ♀ immat. (52 mm DW, 165 mm TL)

South Atlantic, Brazil, SC, 27°25'S, 47°07'W, 500–524 m, RV "Atlântico Sul"

A.S. Martins *leg.*, 29.ix.1991, G. Rincón *don.*, 30.vi.1999, G. Rincón, M.F.W. Stehmann & C.M. Vooren *det.*, 26.ii.2001

Remarks: holotype catalogued as MZ USP 51293. Additional paratypes are catalogued as AMS I 39784-001 (2), DZVU P 3673 (1), DZVU P 3674 (1), FURG 920009 (3), FURG 920010 (7), HUMZ 162797 (1), ISH 1989-1968 (2), MNHN 1997-852 (1), MNHN 1997-853 (1), MZUSP 51294 (10), UF 102494 (4), UF 111667 (2), USNM 343645 (6), ZIN N 51291 (2), ZMH 8866 (5), ZMH 8867 (1).

***Benthobatis marcida* Bean & Weed, 1909**

MOVI 36937–36938 (formerly USNM 157984) (2) specimens, ♀ immat. (65–90 mm DW, 146–199 mm TL)

North Atlantic, Bahamas Islands, S. of Great Bahamas Islands, 22°55'N, 79°27'W, 439 m, "Oregon"

anonymous *leg.*, 15.vii.1955, J.T. Williams *don.*, 12.v.2004

Remarks: original lot with 32 specimens.

***Diplobatis ommata* (Jordan & Gilbert, 1890)**

MOVI 31006–31007 (formerly CAS 218667) (2) specimens, ♂ (86 mm DW, 179 mm TL) and ♀ (71 mm DW, 141 mm TL)

North Pacific, Mexico, Baja California Sur, Bahia Santa Inez, south side of Punta Santa Inez

B.W. Walker & M.A. Newman *leg.*, 26.iv.1953, T. Iwamoto *don.*, 02.xii.2003, B.W. Walker *det.*, 29.vi.1953

***Diplobatis pictus* Palmer, 1950**

MOVI 24613–24617 (formerly LEAM 137) (5) specimens, 3 ♂ (60–71 mm DW, 137–157 mm TL) and 2 ♀ (60–75 mm DW, 123–175 mm TL)

North Atlantic, Brazil, AP, off Amapá State, 50 m

anonymous *leg.*, i–ii.1981, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 36935 (formerly USNM 222445) (1) specimen, ♀ immat. (58 mm DW, 125 mm TL)

South Atlantic, Brazil, off northern Brazil, 02°03'N, 47°55'W, 48–57 m, "Oregon II"

B.B. Collette *leg.*, 11.v.1975, J.T. Williams *don.*, 12.v.2004

Remarks: original lot with 3 specimens.

***Discopyge tschudii* (Heckel, 1845)**

MOVI 00283–00284 (formerly MCNC) (2) specimens, ♂ embr. (25–26 mm DW, 52–61 mm TL)

South Atlantic, Brazil, RS, 7 km off Imbé, 10 m, FV "Laureano V", gillnet

J.M.R. Soto *leg.*, 5.i.1990, J.M.R. Soto *don.*, 5.i.1990, J.M.R. Soto *det.*, 20.x.1991

MOVI 24604 (formerly LEAM) (1) specimen, ♀ immat. (170 mm DW, 325 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24605 (formerly LEAM 119) (1) specimen, ♂ (235 mm DW, 433 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24606 (formerly LEAM) (1) specimen, ♂ (244 mm DW, 412 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

***Narcine brasiliensis* (Olfers, 1831)**

MOVI 00114 (formerly MCNC) (1) specimen, ♀ (174 mm DW, 327 mm TL)
South Atlantic, Brazil, RS, 5 km off Imbé, 6 m, FV “Laureano IV”, gillnet
J.M.R. Soto *leg.*, 22.i.1990, J.M.R. Soto *don.*, 22.i.1990, J.M.R. Soto *det.*, 20.vi.1991

MOVI 01931–01934 (4) specimens, ♂ mat. (140–159 mm DW, 279–327 mm TL)
South Atlantic, Brazil, SC, Florianópolis, Baía Sul, 12 m, bottom gillnet
M.M. Mincarone *leg.*, xii.1993, M.M. Mincarone *don.*, xii.1993, J.M.R. Soto *det.*, 25.ix.1994

MOVI 03958 (1) specimen, ♀ (225 mm DW, 465 mm TL)
South Atlantic, Brazil, RS, coast of Torres
anonymous *leg.*, 21.vii.1994, R.C. Mazzoleni *et al. don.*, 26.vii.1994, J.M.R. Soto *det.*, 07.iii.1994

MOVI 05944 (formerly MCNC) (1) specimen, ♀ (186 mm DW, 356 mm TL)
South Atlantic, Brazil, SC, Araranguá, 12 km off Gaivotas beach
anonymous *leg.*, iv.1991, J.M.R. Soto *don.*, iv.1991, J.M.R. Soto *det.*, 26.iii.1998

MOVI 15783 (1) specimen, ♂ immat. (60 mm DW, 116 mm TL)
South Atlantic, Brazil, SC, São Francisco do Sul, bottom trawl
M. Hostim-Silva *leg.*, vi.1995, M. Hostim-Silva *don.*, vii.1999, J.M.R. Soto *det.*, 16.iii.2000

MOVI 15990 (1) specimen, ♂ immat. (45 mm DW, 101 mm TL)
South Atlantic, Brazil, SC, north coast of Santa Catarina State
M. Hostim-Silva *leg.*, 1994–1998, M. Hostim-Silva *don.*, vii.1999, J.M.R. Soto *det.*, vii.1999

MOVI 24607–24612 (formerly LEAM 137) (6) specimens, 1 ♂ (153 mm DW, 322 mm TL) and 5 ♀ (54–166 mm DW, 105–350 mm TL)
North Atlantic, Brazil, AP, off Amapá State, 50 m
anonymous *leg.*, i–ii.1981, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24618 (formerly LEAM) (1) specimen, ♀ (203 mm DW, 425 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 24619 (formerly LEAM 135) (1) specimen, ♀ immat. (158 mm DW, 290 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 31277–31286 (formerly CCNG 05647–05656) (10) specimens, ♀ mat. (215 mm DW, 414 mm TL), ♂ embr. (3) (50–51 mm DW, 93–97 mm TL) and ♀ embr. (51–52 mm DW, 92–97 mm TL)
South Atlantic *leg.*, Brazil, SC, Penha, Armação do Itapocorói beach
C.N. Gofferjé, 1980’s, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003

MOVI 31287 (formerly CCNG 05657) (1) specimen, ♂ immat. (145 mm DW, 286 mm TL)
South Atlantic, Brazil, SC, Penha, Armação do Itapocorói beach
C.N. Gofferjé *leg.*, 1980’s, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003

***Narcine brunnea* Annandale, 1909**

MOVI 30994–30995 (formerly CAS 58360) (2) specimens, ♂ (92 mm DW, 163 mm TL) and ♀ (90 mm DW, 182 mm TL)
Indian, India, Kerala, Neendakkarai, 08°56’N, 76°30’E, trawl
F.H. Berry *leg.*, 08.x.1966, T. Iwamoto *don.*, 02.xii.2003, D.L. Long *det.*, 1997

***Narcine timlei* (Bloch & Schneider, 1801)**

MOVI 31016 (formerly CAS 33898) (1) specimen, ♂ (115 mm DW, 244 mm TL)
North Pacific, Vietnam, Da Nang
F.B. Steiner *leg.*, 16.vi.1967, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, 18.iii.1978

Order RAJIFORMES

Family RHINOBATIDAE

***Rhinobatos horkelii* Müller & Henle, 1841**

- MOVI 00110 (formerly MCNC) (1) specimen, ♂ mat. (245 mm DW, 795 mm TL)
South Atlantic, Brazil, RS, 5 km off Imbé, 6 m, FV “Laureano IV”, gillnet
J.M.R. Soto *leg.*, 22.i.1990, J.M.R. Soto *don.*, 22.i.1990, J.M.R. Soto *det.*, 20.vi.1991
- MOVI 00122 (formerly MCNC) (1) specimen, ♂ immat. (129 mm DW, 402 mm TL)
South Atlantic, Brazil, RS, 5 km off Imbé, 6 m, FV “Laureano IV”, gillnet
J.M.R. Soto *leg.*, 22.i.1990, J.M.R. Soto *don.*, 22.i.1990, J.M.R. Soto *det.*, 20.vi.1991
- MOVI 00125 (formerly MCNC) (1) specimen, ♀ immat. (196 mm DW, 578 mm TL)
South Atlantic, Brazil, RS, 7 km off Imbé, 10 m, FV “Laureano V”, gillnet
J.M.R. Soto *leg.*, 5.i.1990, J.M.R. Soto *don.*, 5.i.1990, J.M.R. Soto *det.*, 20.vi.1991
- MOVI 00275–00276 (formerly MCNC) (2) specimens, ♂ embr. (79–81 mm DW, 239–244 mm TL)
South Atlantic, Brazil, RS, 10 km off Torres, 13–15 m
anonymous *leg.*, iii.1987, J.M.R. Soto *don.*, ii.1988, J.M.R. Soto *det.*, 20.x.1991
- MOVI 00279–00280 (formerly MCNC) (2) specimens, ♂ embr. (29–30 mm DW, 93–110 mm TL)
South Atlantic, Brazil, RS, 6 km off Torres, 8 m
anonymous *leg.*, i.1988, J.M.R. Soto *don.*, ii.1988, J.M.R. Soto *det.*, 20.x.1991
- MOVI 16175 (1) specimen, ♀ (119 mm DW, 362 mm TL)
South Atlantic, Brazil, SC, Araranguá, 1 km to S of the Araranguá river’s mouth
J.M.R. Soto *et al. leg.*, 28.vii.2000, J.M.R. Soto *et al. don.*, 31.vii.2000, J.M.R. Soto *det.*, 28.vii.2000
- MOVI 24598 (formerly LEAM) (1) specimen, ♂ immat. (101 mm DW, 324 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002
- MOVI 24599 (formerly LEAM) (1) specimen, ♀ immat. (140 mm DW, 420 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002
- MOVI 24600 (formerly LEAM 56) (1) specimen, ♂ immat. (252 mm DW, 795 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

***Rhinobatos lentiginosus* Garman, 1880**

- MOVI 24601–24602 (formerly LEAM 144) (2) specimens, 1 ♂ immat. (111 mm DW, 341 mm TL) and 1 ♀ immat. (102 mm DW, 296 mm TL)
North Atlantic, Brazil, AP, off Amapá State, 50 m
anonymous *leg.*, i–ii.1981, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002
- MOVI 36936 (formerly USNM 306532) (1) specimen, ♀ immat. (75 mm DW, 221 mm TL)
North Atlantic, USA, off south Texas, 26°36’N, 97°16’30”W, 5 fm [9.1 m], “Oregon”
anonymous *leg.*, 22.ix.1962, J.T. Williams *don.*, 12.v.2004, R. Kanazawa *det.*, x.1968
Remarks: original lot with 1 specimen.

***Rhinobatos percellens* (Walbaum, 1792)**

- MOVI 03959 (1) specimen, ♂ mat. (199 mm DW, 684 mm TL)
South Atlantic, Brazil, SC, Penha, Armação de Itapocoroy beach
R. Schweitzer *leg.*, ix.1994, R. Schweitzer *don.*, 28.ix.1994, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10151–10154 (4) specimens, 1 ♂ embr. (62 mm DW, 177 mm TL) and 3 ♀ embr. (59–62 mm DW, 174–176 mm TL)
South Atlantic, Brazil, SP, Cananéia
M.A.C. Souza-Filho *leg.*, i.1996, M.A.C. Souza-Filho *don.*, i.1996, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 15100 (1) specimen, ♂ immat. (146 mm DW, 443 mm TL)

South Atlantic, Brazil, SC, São Francisco do Sul, Babitonga bay
M. Hostim-Silva *leg.*, iv.1995, M. Hostim-Silva *don.*, ix.1999, J.M.R. Soto *det.*, 16.iii.2000

MOVI 15988–15989 (2) specimens, 1 ♂ immat. (83 mm DW, 240 mm TL) and 1 ♀ immat. (78 mm DW, 223 mm TL)
South Atlantic, Brazil, SC, north coast of Santa Catarina State
M. Hostim-Silva *leg.*, 1994–1998, M. Hostim-Silva *don.*, vii.1999, J.M.R. Soto *det.*, vii.1999

MOVI 16594–16595 (2) specimens, ♂ immat. (79–81 mm DW, 219–225 mm TL)
South Atlantic, Brazil, BA, Salvador, near to Farol da Barra, 13 m, dip net
C.L.S. Sampaio *leg.*, 08.viii.2000, C.L.S. Sampaio *don.*, 02.i.2001, C.L.S. Sampaio *det.*, 2000

MOVI 24603 (formerly LEAM 24) (1) specimen, ♂ immat. (180 mm DW, 570 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

***Rhinobatos productus* Ayres, 1854**

MOVI 31010 (formerly SU 8577) (1) specimen, ♀ (128 mm DW, 343 mm TL)
North Pacific, USA, California, San Diego, San Diego Bay
E.C. Starks *leg.*, date unknown, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Zapteryx brevirostris* (Müller & Henle, 1841)**

MOVI 00111 (formerly MCNC) (1) specimen, ♀ (249 mm DW, 520 mm TL)
South Atlantic, Brazil, RS, 5 km off Imbé, 6 m, FV “Laureano IV”, gillnet
J.M.R. Soto *leg.*, 22.i.1990, J.M.R. Soto *don.*, 22.i.1990, J.M.R. Soto *det.*, 20.vi.1991

MOVI 05943 (formerly MCNC) (1) specimen, ♂ mat. (206 mm DW, 470 mm TL)
South Atlantic, Brazil, SC, Araranguá, 12 km off Gaivotas beach, 15 m
anonymous *leg.*, iv.1991, J.M.R. Soto *don.*, iv.1991, J.M.R. Soto *det.*, 26.iii.1998

MOVI 08926 (1) specimen, ♂ immat. (101 mm DW, 199 mm TL)
South Atlantic, Brazil, SC, between Moleque do Sul Islands and Imbituba, 19–41 m, bottom trawl
E. Santos *leg.*, 02–13.xii.1996, E. Santos *don.*, 13.xii.1996, J.M.R. Soto *det.*, 26.iii.1998

MOVI 15099 (1) specimen, ♀ mat. (484 mm DW, 236 mm TL)
South Atlantic, Brazil, SC, São Francisco do Sul, Babitonga bay
M. Hostim-Silva *leg.*, iv.1995, M. Hostim-Silva *don.*, ix.1999, J.M.R. Soto *det.*, 16.iii.2000

MOVI 24487 (1) specimen, ♂ immat. (146 mm DW, 304 mm TL)
South Atlantic, Brazil, SC, Sombrio, 37 km to north of Passo de Torres, dip net
J.M.R. Soto *et al. leg.*, 27.vii.2002, J.M.R. Soto *et al. don.*, 30.vii.2002, J.M.R. Soto *det.*, 27.vii.2002

MOVI 24597 (formerly LEAM) (1) specimen, ♀ mat. (281 mm DW, 588 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

***Zapteryx exasperata* (Jordan & Gilbert, 1880)**

MOVI 30997–30998 (formerly CAS 48270) (2) specimens, ♂ (66 mm DW, 123 mm TL) and ♀ (54 mm DW, 120 mm TL)
North Pacific, Mexico, Gulf of California, Las Animas Island, “Marisla”
E.S. Herald *et al. leg.*, 12.viii.1965, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003
Remarks: embryos from 820 mm female.

Family RAJIDAE

***Atlantoraja castelnaui* (Miranda Ribeiro, 1907)**

MOVI 08489–08490 (2) specimens, ♀ mat. (848–772 mm DW, 1225–1027 mm TL)
South Atlantic, Brazil, RS, 29°37’32”S, 48°36’01”W, 138 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 26.iii.1997, P.C. Rodrigues *don.*, 15.iv.1997, J.M.R. Soto *det.*, 15.vii.1997

MOVI 20272–20274 (3) specimens, 2 ♂ (171–321 mm DW, 265–483 mm TL) and 1 ♀ (302 mm DW, 435 mm TL)

South Atlantic, Brazil, RS, 33°20.394'S, 52°10.560'W–33°23.663'S, 52°13.385'W, 37–40 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 10.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 04.iii.2002
Remarks: specimen 20272 donated to USNM.

MOVI 23015 (1) specimen, ♂ mat. (787 mm DW, 1090 mm TL)

South Atlantic, Brazil, RS, 31°47.648'S, 50°08.506'W–31°35.113'S, 50°08.175'W, 140–150 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 24719 (formerly LEAM) (1) specimen, ♀ immat. (463 mm DW, 663 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24720 (formerly LEAM 111) (1) specimen, ♂ immat. (178 mm DW, 273 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24721–24722 (formerly LEAM) (2) specimens, ♂ immat. (265–358 mm DW, 389–501 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24723–24728 (formerly LEAM) (6) specimens, 4 ♂ immat. (210–428 mm DW, 325–640 mm TL) and 2 ♀ immat. (180–246 mm DW, 280–376 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24729–24731 (formerly LEAM) (3) specimens, ♂ immat. (241–320 mm DW, 358–488 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24732 (formerly LEAM) (1) specimen, ♀ mat. (920 mm DW, 1265 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1990's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 27268 (1) egg capsule (102 mm TL)

South Atlantic, Brazil, RS, Rio Grande, Cassino beach
J.M.R. Soto *leg.*, 25.x.2002, J.M.R. Soto *don.*, 25.x.2002, J.M.R. Soto *det.*, 17.xii.2002

***Atlantoraja cyclophora* (Regan, 1903)**

MOVI 05923 (formerly MCNC) (1) specimen, ♂ immat. (136 mm DW, 183 mm TL)

South Atlantic, Brazil, RS, 30 km off Nova Tramandai, 28–35 m, FV “Laureano IV”, bottom gillnet
J.M.R. Soto *leg.*, 26–27.i.1992, J.M.R. Soto *don.*, 27.i.1992, J.M.R. Soto *det.*, 26.iii.1998

MOVI 08855–08874 (20) specimens, 12 ♂ newborn (61–120 mm DW, 100–213 mm TL) and 8 ♀ newborn (69–85 mm DW, 98–149 mm TL)

South Atlantic, Brazil, SC, between Itajaí and Imbituba, 20–45 m, bottom trawl
J.A. Camilo *leg.*, 03–13.xii.1996, J.A. Camilo *don.*, 13.xii.1996, U.L. Gomes *det.*, 20.ii.2002
Remarks: specimens 08856, 08857, 08869 and 08870 donated to USNM.

MOVI 16516 (1) specimen, ♀ (407 mm DW, 491 mm TL)

South Atlantic, Brazil, off southern region
anonymous *leg.*, 2000, P.R. Schwingel *don.*, 2000, J.M.R. Soto *det.*, 08.xii.2000

MOVI 17266 (1) specimen, ♀ immat. (465 mm DW, 588 mm TL)

South Atlantic, Brazil, RS, 32°40.575'S, 50°22.145'W–32°30.830'S, 50°17.345'W, 300 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 02.vi.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 12.vi.2001

MOVI 20266–20267 (2) specimens, ♀ immat. (218 mm DW, 276 mm TL)

South Atlantic, Brazil, RS, 31°45.000'S, 50°17.502'W–31°34.177'S, 50°18.000'W, 110–120 m, FV “Marília VI”, bottom trawl
M.V. Kitahara *leg.*, 22.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 04.iii.2002

MOVI 20515 (1) specimen, ♂ immat. (190 mm DW, 255 mm TL)

South Atlantic, Brazil, SC, 29°15.957'S, 49°06.692'W–29°22.905'S, 49°12.249'W, 53.5–54 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 07.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 07.iii.2002

- MOVI 23149–23150 (2) specimens, ♂ mat. (376–404 mm DW, 517–558 mm TL)
South Atlantic, Brazil, RS, 31°47.648'S, 50°08.506'W–31°35.113'S, 50°08.175'W, 140–150 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23182–23183 (2) specimens, 1 ♂ (383 mm DW, 519 mm TL) and 1 ♀ (437 mm DW, 584 mm TL)
South Atlantic, Brazil, RS, 32°00.449'S, 50°10.677'W–31°48.070'S, 50°08.641'W, 160 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 24315–24332 (18) specimens, 8 ♂ (255–405 mm DW, 320–557 mm TL) and 10 ♀ (261–476 mm DW, 338–627 mm TL)
South Atlantic, Brazil, RS, 32°56.262'S, 50°35.045'W–32°44.332'S, 50°39.946'W, 82–90 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 07.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24549–24550 (2) specimens, 1 ♂ immat. (597 mm DW, 533 mm TL) and 1 ♀ (395 mm DW, 447 mm TL)
South Atlantic, Brazil, RS, 32°52.928'S, 50°31.138'W–32°47.621'S, 50°30.609'W, 120–122 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 05.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24712 (formerly LEAM) (1) specimen, ♀ immat. (375 mm DW, 504 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, 68 m, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24713 (formerly LEAM) (1) specimen, ♀ immat. (425 mm DW, 570 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1990's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24714 (formerly LEAM) (1) specimen, ♀ immat. (406 mm DW, 534 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 25783–25785 (3) specimens, 1 ♂ mat. (425 mm DW, 565 mm TL) and 2 ♀ mat. (453–472 mm DW, 565–620 mm TL)
South Atlantic, Brazil, RS, 32°02.348'S, 50°03.545'W–32°02.986'S, 50°03.717'W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, C.E.N. Consulim *det.*, 07.xi.2002
- Atlantoraja platana* (Günther, 1880)**
- MOVI 17435 (1) specimen, ♀ (587 mm DW, 725 mm TL)
South Atlantic, Brazil, RS, 32°29.644'S, 50°16.897'W–32°38.378'S, 50°21.078'W, 280 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 27.v.2001, M.V. Kitahara *don.*, 05.vi.2001, J.M.R. Soto *det.*, 05.vii.2002
- MOVI 20264–20265 (2) specimens, 1 ♂ immat. (235 mm DW, 256 mm TL) and 1 ♀ immat. (230 mm DW, 250 mm TL)
South Atlantic, Brazil, RS, 31°45.000'S, 50°17.502'W–31°34.177'S, 50°18.000'W, 110–120 m, FV “Marília VI”, bottom trawl
M.V. Kitahara *leg.*, 22.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 04.iii.2002
- MOVI 23151–23160 (10) specimens, 6 ♂ (339–507 mm DW, 397–628 mm TL) and 4 ♀ (271–377 mm DW, 306–423 mm TL)
South Atlantic, Brazil, RS, 31°47.648'S, 50°08.506'W–31°35.113'S, 50°08.175'W, 140–150 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23184–23196 (13) specimens, 9 ♂ (316–520 mm DW, 367–665 mm TL) and 4 ♀ (316–391 mm DW, 370–454 mm TL)
South Atlantic, Brazil, RS, 32°00.449'S, 50°10.677'W–31°48.070'S, 50°08.641'W, 160 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002
Remarks: specimens 23195 donated to USNM.
- MOVI 24333–24334 (2) specimens, 1 ♂ mat. (529 mm DW, 694 mm TL) and 1 ♀ (360 mm DW, 411 mm TL)
South Atlantic, Brazil, RS, 32°56.262'S, 50°35.045'W–32°44.332'S, 50°39.946'W, 82–90 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 07.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
- MOVI 24715 (formerly LEAM) (1) specimen, ♀ immat. (320 mm DW, 372 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24716–24717 (formerly LEAM) (2) specimens, 1 ♂ immat. (426 mm DW, 390 mm TL) and 1 ♀ immat. (393 mm DW, 428 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24718 (formerly LEAM) (1) specimen, ♀ immat. (384 mm DW, 450 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 25782 (1) specimen, ♂ mat. (533 mm DW, 655 mm TL)
South Atlantic, Brazil, RS, 32°02.348'S, 50°03.545'W–32°02.986'S, 50°03.717'W, 281–321 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 11–12.x.2002, R.D. Neves *don.*, 15.x.2002, J.M.R. Soto *det.*, 07.xi.2002

***Bathyraja* sp.**

MOVI 36984 (1) specimen, ♀ (330 mm DW, 558 mm TL)
South Atlantic, Brazil, RJ, 21°50.958'S, 39°47.981'W–21°47.011'S, 39°50.485'W, 1353 m, “Astro Garoupa”, bottom trawl
P.A.S. Costa *leg.*, 21.viii.2003, P.A.S. Costa *don.*, 20.v.2004, J.M.R. Soto *det.*, 08.vi.2004

MOVI 36987 (1) specimen, ♀ (261 mm DW, 430 mm TL)
South Atlantic, Brazil, RJ, 22°16.071'S, 39°51.556'W–22°12.441'S, 39°49.501'W, 1298 m, “Astro Garoupa”, bottom trawl
P.A.S. Costa *leg.*, 24.viii.2003, P.A.S. Costa *don.*, 20.v.2004, J.M.R. Soto *det.*, 08.vi.2004

MOVI 36988 (1) specimen, ♀ (279 mm DW, 519 mm TL)
South Atlantic, Brazil, RJ, 22°15.790'S, 39°53.145'W–22°12.903'S, 39°52.148'W, 1138 m, “Astro Garoupa”, bottom trawl
P.A.S. Costa *leg.*, 13.ii.2003, P.A.S. Costa *don.*, 20.v.2004, J.M.R. Soto *det.*, 08.vi.2004

MOVI 36992–36993 (2) specimens, ♂ (77–173 mm DW, 222–321 mm TL)
South Atlantic, Brazil, RJ, 21°53.608'S, 39°51.280'W–21°50.845'S, 39°52.087'W, 1067 m, “Astro Garoupa”, bottom trawl
P.A.S. Costa *leg.*, 14.ii.2003, P.A.S. Costa *don.*, 20.v.2004, J.M.R. Soto *det.*, 08.vi.2004

MOVI 36994–36995 (2) specimens, ♂ (38–90 mm DW, 145–226 mm TL)
South Atlantic, Brazil, RJ, 22°11.929'S, 39°49.123'W–22°09.113'S, 39°48.846'W, 1331 m, “Astro Garoupa”, bottom trawl
P.A.S. Costa *leg.*, 13.ii.2003, P.A.S. Costa *don.*, 20.v.2004, J.M.R. Soto *det.*, 08.vi.2004

***Dactylobatus clarkii* (Bigelow & Schroeder, 1958)**

MOVI 22664 (1) specimen, ♀ (450 mm DW, 686 mm TL)
South Atlantic, Brazil, RS, 32°50.039'S, 50°24.361'W–32°49.454'S, 50°24.295'W, 380–400 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 10.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 29.vi.2002

MOVI 22666 (1) specimen, ♀ (448 mm DW, 670 mm TL)
South Atlantic, Brazil, RS, 32°38.878'S, 50°20.654'W–32°33.184'S, 50°18.306'W, 360–400 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 20.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 29.vi.2002

MOVI 24307 (1) specimen, ♂ (360 mm DW, 590 mm TL)
South Atlantic, Brazil, RS, 32°49.068'S, 50°23.439'W–32°36.593'S, 50°19.246'W, 433–437 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 01.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

***Dipturus diehli* Soto & Mincarone, 2001**

MOVI 08494 [HOLOTYPE] (1) specimen, ♀ mat. (1215 mm DW)
South Atlantic, Brazil, RS, 29°39'31”S, 47°50'32”W, 480 m, FV “Master Fish”, bottom longline
P.C. Rodrigues *leg.*, 03.v.1997, P.C. Rodrigues *don.*, 06.vi.1997, J.M.R. Soto & M.M. Mincarone *det.*, 15.i.2001

MOVI 23011 (1) specimen, ♀ (1042 mm DW, 1390 mm TL)
South Atlantic, Brazil, RS, 32°49.123'S, 50°23.450'W–32°51.185'S, 50°24.879'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 10.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 23012 (1) specimen, ♂ (1055 mm DW, 1440 mm TL)
South Atlantic, Brazil, RS, 32°52.823'S, 50°25.105'W–32°45.217'S, 50°22.323'W, 400–450 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 10.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 23013 (1) specimen, ♀ (1222 mm DW, 1670 mm TL)
South Atlantic, Brazil, RS, 32°54.302'S, 50°24.632'W–32°38.579'S, 50°20.163'W, 420 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 19.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 24568 (formerly LEAM) (1) specimen, ♀ mat. (1205 mm DW, 1644 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”

C.M. Vooren *leg.*, 18.iv.1997, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 25347 (1) specimen, ♂ mat. (1055 mm DW, 1495 mm TL)

South Atlantic, Brazil, SC, 28°47.786'S, 47°35.070'W–28°49.659'S, 47°34.455'W, 372–550 m, FV “Mestre Simão I”, bottom gillnet
R.D. Neves *leg.*, 06–09.x.2002, R.D. Neves *don.*, 15.x.2002, M.M. Mincarone *det.*, 22.x.2002

***Dipturus leptocauda* (Kreff & Stehmann, 1975)**

MOVI 17436 (1) specimen, ♂ immat. (432 mm DW, 603 mm TL)

South Atlantic, Brazil, RS, 32°27.198'S, 50°15.260'W–32°35.731'S, 50°19.804'W, 300–360 m, FV “Saga de Thor”, bottom trawl
M.V. Kitahara *leg.*, 30.v.2001, M.V. Kitahara *don.*, 05.vi.2001, M.M. Mincarone *det.*, 02.viii.2001

MOVI 20529 (1) egg capsule (103 mm TL)

South Atlantic, Brazil, RS, 31°06.672'S, 50°20.549'W–31°13.607'S, 50°27.647'W, 76–81 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 08.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 13.iii.2002

MOVI 20530 (1) egg capsule (109 mm TL)

South Atlantic, Brazil, RS, 31°06.672'S, 50°20.549'W–31°13.607'S, 50°27.647'W, 76–81 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 08.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 13.iii.2002

MOVI 20531 (1) egg capsule (102 mm TL)

South Atlantic, Brazil, RS, 31°32.325'S, 50°55.508'W–31°37.209'S, 50°58.766'W, 40–41 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 09.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 13.iii.2002

MOVI 20565 (1) egg capsule (66 mm TL)

South Atlantic, Brazil, RS, 32°22.687'S, 50°15.682'W–32°34.170'S, 50°21.190'W, 160–170 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 15.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, M.M. Mincarone *det.*, 13.iii.2002

MOVI 22665 (1) specimen, ♀ (356 mm DW, 510 mm TL)

South Atlantic, Brazil, RS, 32°54.774'S, 50°25.457'W–32°36.126'S, 50°19.560'W, 380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 15.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 29.vi.2002

MOVI 22668–22669 (2) specimens, 1 ♂ immat. (206 mm DW, 282 mm TL) and 1 ♀ immat. (196 mm DW, 355 mm TL)

South Atlantic, Brazil, RS, 32°54.468'S, 50°25.279'W–32°41.645'S, 50°21.429'W, 410–450 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 07.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 29.vi.2002

MOVI 22670 (1) specimen, ♀ immat. (191 mm DW, 280 mm TL)

South Atlantic, Brazil, RS, 32°17.476'S, 50°10.810'W–32°30.765'S, 50°17.184'W, 360 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 29.vi.2002

MOVI 22671 (1) specimen, ♂ immat. (190 mm DW, 285 mm TL)

South Atlantic, Brazil, RS, 32°54.302'S, 50°24.632'W–32°38.579'S, 50°20.163'W, 420 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 19.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 29.vi.2002

MOVI 22721 (1) specimen, ♀ immat. (191 mm DW, 285 mm TL)

South Atlantic, Brazil, RS, 32°18.089'S, 50°11.100'W–32°28.352'S, 50°15.945'W, 360 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 06.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 22722 (1) egg capsule (114 mm TL)

Atlântico Sul, Brazil, RS, 32°37.295'S, 50°19.552'W–32°51.709'S, 50°23.985'W, 450 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 07.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 22723–22728 (6) specimens, 4 ♂ immat. (177–209 mm DW, 274–298 mm TL) and 2 ♀ immat. (226–235 mm DW, 177–209 mm TL)

South Atlantic, Brazil, RS, 32°37.295'S, 50°19.552'W–32°51.709'S, 50°23.985'W, 450 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 07.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 22761 (1) specimen, ♂ immat. (212 mm DW, 297 mm TL)

South Atlantic, Brazil, RS, 32°30.743'S, 50°17.185'W–32°26.145'S, 50°14.769'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 22769 (1) egg capsule (111 mm TL)

South Atlantic, Brazil, RS, 31°47.648'S, 50°08.506'W–31°35.113'S, 50°08.175'W, 140–150 m, FV “Sambaqui III”, bottom trawl

C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 22794–22795 (2) specimens, 1 ♂ immat. (213 mm DW, 318 mm TL) and 1 ♀ immat. (187 mm DW, 270 mm TL)
South Atlantic, Brazil, RS, 32°29.164'S, 50°15.985'W–32°36.705'S, 50°19.127'W, 350–420 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 06.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 22796–22797 (2) specimens, ♀ immat. (221–228 mm DW, 310–328 mm TL)
South Atlantic, Brazil, RS, 32°27.265'S, 50°15.348'W–32°38.097'S, 50°20.283'W, 380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 09.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 23143 (1) specimen, ♀ (551 mm DW, 748 mm TL)
South Atlantic, Brazil, RS, 32°47.500'S, 50°23.926'W–32°50.797'S, 50°24.845'W, 370–400 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 10.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23144 (1) specimen, ♂ immat. (639 mm DW, 864 mm TL)
South Atlantic, Brazil, RS, 32°47.215'S, 50°23.904'W–32°56.376'S, 50°25.317'W, 400 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 09.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23145 (1) specimen, ♀ (416 mm DW, 649 mm TL)
South Atlantic, Brazil, RS, 30°32.135'S, 50°17.978'W–32°26.187'S, 50°14.658'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 16.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23146–23148 (3) specimens, 3 ♀ (520–699 mm DW, 716–884 mm TL)
South Atlantic, Brazil, RS, 32°52.823'S, 50°25.105'W–32°45.217'S, 50°22.323'W, 400–450 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 10.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23161–23169 (9) specimens, 7 ♂ (281–569 mm DW, 422–773 mm TL) and 2 ♀ (313–558 mm DW, 434–766 mm TL)
South Atlantic, Brazil, RS, 32°37.295'S, 50°19.552'W–32°51.709'S, 50°23.985'W, 450 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 07.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23170–23177 (8) specimens, 4 ♂ (432–604 mm DW, 596–826 mm TL) and 4 ♀ (484–563 mm DW, 668–761 mm TL)
South Atlantic, Brazil, RS, 32°54.302'S, 50°24.632'W–32°38.579'S, 50°20.163'W, 420 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 19.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23178 (1) specimen, ♀ (557 mm DW, 758 mm TL)
South Atlantic, Brazil, RS, 32°44.968'S, 50°23.882'W–32°48.454'S, 50°24.375'W, 370–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 18.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23179 (1) specimen, ♀ (602 mm DW, 841 mm TL)
South Atlantic, Brazil, RS, 32°54.468'S, 50°25.279'W–32°41.645'S, 50°21.429'W, 410–450 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 07.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 23180–23181 (2) specimens, ♀ (485–534 mm DW, 680–775 mm TL)
South Atlantic, Brazil, RS, 32°30.743'S, 50°17.185'W–32°26.145'S, 50°14.769'W, 360–380 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 08.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 11.vii.2002

MOVI 24335–24337 (3) specimens, 3 ♂ immat. (167–241 mm DW, 254–362 mm TL)
South Atlantic, Brazil, RS, 33°47.626'S, 50°36.115'W–33°36.795'S, 50°49.912'W, 360–394 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 27.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24338 (1) specimen, 1 ♀ immat. (353 mm DW, 514 mm TL)
South Atlantic, Brazil, RS, 32°53.536'S, 50°25.266'W–32°41.175'S, 50°21.394'W, 370–387 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 31.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24339 (1) specimen, ♀ immat. (477 mm DW, 653 mm TL)
South Atlantic, Brazil, RS, 32°58.758'S, 50°25.781'W–32°46.539'S, 50°23.572'W, 383–388 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 29.vii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24340–24342 (3) specimens, 2 ♂ immat. (429–460 mm DW, 615–627 mm TL) and 1 ♀ immat. (351 mm DW, 498 mm TL)
South Atlantic, Brazil, RS, 32°49.068'S, 50°23.439'W–32°36.593'S, 50°19.246'W, 433–437 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 01.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

***Dipturus* sp.**

MOVI 15053 (1) specimen, ♂ mat. (775 mm DW, 1065 mm TL)
South Atlantic, Brazil, RN, 06°14'S, 34°51'W, 450 m, RV "Prof. Martins Filho", bottom longline
R. Salles *leg.*, 30.xi.1998, G. Rincón-Filho *don.*, x.2000, G. Rincón-Filho *det.*, x.2000
Remarks: this species has been described by other authors.

***Gurgesiella atlantica* (Bigelow & Schroeder, 1962)**

MOVI 36940 (formerly USNM 222257) (1) specimen, ♀ (206 mm DW, 397 mm TL)
North Atlantic, Suriname, 07°48'N, 54°25'W, 644 m, "Oregon II"
anonymous *leg.*, 10.v.1969, J.T. Williams *don.*, 12.v.2004
Remarks: original lot with 3 specimens.

***Gurgesiella dorsalis* McEachran & Compagno, 1980**

MOVI 20566 (1) specimen, ♀ (192 mm DW, 335 mm TL)
South Atlantic, Brazil, off southern region
anonymous *leg.*, 2002, P.R. Schwingel *don.*, 2002, J.M.R. Soto *det.*, 14.iii.2002

***Malacoraja spinacidermis* (Barnard, 1923)**

MOVI 36985 (1) specimen, ♂ immat. (267 mm DW, 411 mm TL)
South Atlantic, Brazil, RJ, 21°50.958'S, 39°47.981'W–21°47.011'S, 39°50.485'W, 1353 m, "Astro Garoupa", bottom trawl
P.A.S. Costa *leg.*, 21.viii.2003, P.A.S. Costa *don.*, 20.v.2004, J.M.R. Soto *det.*, 08.vi.2004

MOVI 36990 (1) specimen, ♂ immat. (213 mm DW, 333 mm TL)
South Atlantic, Brazil, RJ, 22°15.790'S, 39°53.145'W–22°12.903'S, 39°52.148'W, 1138 m, "Astro Garoupa", bottom trawl
P.A.S. Costa *leg.*, 13.ii.2003, P.A.S. Costa *don.*, 20.v.2004, J.M.R. Soto *det.*, 08.vi.2004

***Okamejei kenojei* (Müller & Henle, 1841)**

MOVI 30996 (formerly CAS 29992) (1) specimen, ♂ (138 mm DW, 183 mm TL)
North Pacific, Taiwan, North-northwest of Taiwan, 50–90 m, trawl
F.B. Steiner *leg.*, date unknown, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, 18.iii.1978

***Psammobatis bergi* Marini, 1932**

MOVI 05059 (1) specimen, ♀ (90 mm DW, 160 mm TL)
South Atlantic, Brazil, SC, 28 km off Barra Velha, gillnet
R.C. Mazzoleni *leg.*, iv.1995, R.C. Mazzoleni *don.*, 03.v.1995, J.M.R. Soto *det.*, 02.vii.2002

MOVI 25232 (formerly LEAM) (1) specimen, ♂ immat. (180 mm DW, 330 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 16.x.2002

***Psammobatis extenta* (Garman, 1913)**

MOVI 00123 (formerly MCNC) (1) specimen, ♂ mat. (170 mm DW, 297 mm TL)
South Atlantic, Brazil, RS, 10 km off Torres, 13 m, FV "Laureano IV", gillnet
J.M.R. Soto *leg.*, 26.i.1990, J.M.R. Soto *don.*, 26.i.1990, J.M.R. Soto *det.*, 09.iii.1999

MOVI 05924 (formerly MCNC) (1) specimen, ♀ immat. (56 mm DW, 98 mm TL)
South Atlantic, Brazil, RS, 30 km off Nova Tramandaí, 28–35 m, FV "Laureano IV", bottom gillnet
J.M.R. Soto *leg.*, 26–27.i.1992, J.M.R. Soto *don.*, 27.i.1992, J.M.R. Soto *det.*, 26.iii.1998

MOVI 08852–08854 (3) specimens, 1 ♂ mat. (165 mm DW, 285 mm TL) and 1 ♀ mat. (145–149 mm DW, 256–259 mm TL)
South Atlantic, Brazil, SC, 27°06'S, 48°22'W, 34–47 m
M. Venâncio *leg.*, 16.x.1996, M. Venâncio *don.*, 17.x.1996, J.M.R. Soto *det.*, 26.iii.1998

MOVI 08912–08921 (10) specimens, 3 ♂ immat. (35–38 mm DW, 65–72 mm TL) and 7 ♀ immat. (24–36 mm DW, 54–75 mm TL)
South Atlantic, Brazil, SC, between Itajaí and Imbituba, 20–45 m, bottom trawl
J.A. Camilo *leg.*, 03–13.xii.1996, J.A. Camilo *don.*, 13.xii.1996, J.M.R. Soto *det.*, 26.iii.1998

- MOVI 09005–09011 (7) specimens, 4 ♂ newborn (28–32 mm DW, 61–62 mm TL) and 3 ♀ newborn (25–58 mm DW, 53–101 mm TL)
South Atlantic, Brazil, SC, between Moleque do Sul Island and Imbituba, 19–41 m, bottom trawl
E. Santos *leg.*, 02–13.xii.1996, E. Santos *don.*, 13.xii.1996, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 10172–10173 (2) specimens, ♂ mat. (157–158 mm DW, 283 mm TL)
South Atlantic, Brazil, SC, E of the Itajaí-açu river, 100–125 m
anonymous *leg.*, 30.iii.1998, R.C. Mazzoleni *don.*, 24.iv.1998, J.M.R. Soto *det.*, 01.v.1998
- MOVI 20270–20271 (2) specimens, 1 ♂ (255 mm DW, 456 mm TL) and 1 ♀ (208 mm DW, 360 mm TL)
South Atlantic, Brazil, RS, 33°20.394'S, 52°10.560'W–33°23.663'S, 52°13.385'W, 37–40 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 10.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 04.iii.2002
- MOVI 20296 (1) specimen, ♂ (257 mm DW, 455 mm TL)
South Atlantic, Brazil, RS, 33°54.884'S, 52°35.016'W–33°51.163'S, 52°28.435'W, 37–42 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 11.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 04.iii.2002
- MOVI 20299–20301 (3) specimens, 2 ♂ (215–216 mm DW, 372–373 mm TL) and 1 ♀ (181 mm DW, 330 mm TL)
South Atlantic, Brazil, RS, 33°18.944'S, 52°09.739'W–33°20.394'S, 52°10.560'W, 40 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 10.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 02.vii.2002
- MOVI 20516–20525 (10) specimens, 6 ♂ (103–154 mm DW, 175–290 mm TL) and 4 ♀ (106–155 mm DW, 182–283 mm TL)
South Atlantic, Brazil, SC, 29°15.957'S, 49°06.692'W–29°22.905'S, 49°12.249'W, 53,5–54 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 07.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 02.vii.2002
Remarks: specimen 20520 donated to USNM.
- MOVI 20526–20528 (3) specimens, 2 ♂ (163–172 mm DW, 289–299 mm TL) and 1 ♀ (165 mm DW, 291 mm TL)
South Atlantic, Brazil, SC, 29°15.957'S, 49°06.692'W–29°22.905'S, 49°12.249'W, 53,5–54 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 07.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 02.vii.2002
- MOVI 25247–25253 (formerly LEAM) (7) specimens, 2 ♂ (165–167 mm DW, 291–302 mm TL) and 5 ♀ (148–171 mm DW, 258–299 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 16.x.2002
- MOVI 36989 (1) specimen, ♂ (60 mm DW, 97 mm TL)
South Atlantic, Brazil, RJ, 22°35.398'S, 41°25.512'W–22°34.905'S, 41°325.338'W, 40 m, “Astro Garoupa”, bottom trawl
P.A.S. Costa *leg.*, 04.ii.2003, P.A.S. Costa *don.*, 20.v.2004, J.M.R. Soto *det.*, 08.vi.2004

***Psammobatis lentiginosa* McEachran, 1983**

- MOVI 15101 (1) specimen, ♀ mat. (172 mm DW, 307 mm TL)
South Atlantic, Brazil, SC, coast of Imbituba, 150 m
anonymous *leg.*, 05.x.1999, R.C. Mazzoleni *don.*, 15.x.1999, R.C. Mazzoleni *det.*, 15.x.1999

***Psammobatis rutrum* Jordan, 1891**

- MOVI 05268 (1) specimen, ♂ mat. (134 mm DW, 235 mm TL)
South Atlantic, Brazil, RS, 30°52'38"S, 49°40'21"W, FV “Iporanga”
V.M. Inêz *leg.*, 25.vii.1995, V.M. Inêz *don.*, 04.viii.1995, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 15102 (1) specimen, ♂ mat. (144 mm DW, 262 mm TL)
South Atlantic, Brazil, SC, coast of Imbituba, 150 m
anonymous *leg.*, 05.x.1999, R.C. Mazzoleni *don.*, 15.x.1999, J.M.R. Soto *det.*, 02.vii.2002
- MOVI 25233–25245 (formerly LEAM) (13) specimens, 4 ♂ (148–152 mm DW, 249–273 mm TL) and 9 ♀ (151–160 mm DW, 251–273 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 16.x.2002
- MOVI 25246 (formerly LEAM) (1) specimen, ♀ (170 mm DW, 283 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 16.x.2002

***Psammobatis* sp.**

MOVI 01528 (formerly MCNC) (1) egg capsule (25 mm TL)
South Atlantic, Brazil, RS, 9 km off Tramandaí, 10–13 m
R.S. Bacelar *leg.*, 30.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, xi.1992, J.M.R. Soto *det.*, 22.iii.1998

MOVI 01867 (formerly MCNC) (1) egg capsule (22 mm TL)
South Atlantic, Brazil, RS, Mostardas, Praia Nova
J.M.R. Soto *leg.*, 16.iv.1992, J.M.R. Soto *don.*, v.1992, J.M.R. Soto *det.*, 26.iii.1998

MOVI 24491 (1) egg capsule (26 mm TL)
South Atlantic, Brazil, RS, Palmares do Sul, 6 km to south of Solidão Lighthouse
J.M.R. Soto *et al. leg.*, 28.vii.2002, J.M.R. Soto *et al. don.*, 30.vii.2002, J.M.R. Soto *det.*, 16.viii.2002

***Raja asterias* Delaroche, 1809**

MOVI 15999 (1) specimen, ♂ mat. (326 mm DW, 507 mm TL)
Mediterranean Sea, Spain, Barcelona, Costa Brava
anonymous *leg.*, 03.iv.2000, J.M.R. Soto *don.*, 26.iv.2000, J.M.R. Soto *det.*, 03.iv.2000

MOVI 25281 (1) specimen, ♂ mat. (348 mm DW, 542 mm TL)
Mediterranean Sea, Spain, Catalunya, Costa Brava, bottom trawl
anonymous *leg.*, 2000, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Raja binoculara* Girard, 1855**

MOVI 31002–31003 (formerly CAS 21417) (2) specimens, ♂ (114 mm DW, 163 mm TL) and ♀ (106 mm DW, 149 mm TL)
North America, USA, California, Alameda, San Francisco Bay, off Alameda, Chinese shrimp net
K.F. Innes *leg.*, 28.ix.1951, T. Iwamoto *don.*, 02.xii.2003, J.D. Hopkirk *det.*, 1960

***Raja clavata* Linnaeus, 1758**

MOVI 09924 (1) jaws, ♂ mat. (310 mm DW, 502 mm TL)
Mediterranean Sea, Spain
anonymous *leg.*, 1980's, A. Matamoros *don.*, 29.iv.1997, J.M.R. Soto *det.*, 26.iii.1998

MOVI 16000 (1) specimen, ♂ mat. (476 mm DW, 755 mm TL)
Mediterranean Sea, Spain, Barcelona, Palamos beach, Girona
J. Ribé-L. *leg.*, ix.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000

MOVI 25282 (1) specimen, ♂ immat. (291 mm DW, 420 mm TL)
Mediterranean Sea, Spain, Catalunya, Costa Brava, bottom trawl
anonymous *leg.*, 2000, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Raja inornata* Jordan & Gilbert, 1881**

MOVI 30999 (formerly CAS 12713) (1) specimen, ♀ (189 mm DW, 235 mm TL)
North Pacific, USA, California, San Francisco Bay, USS “Albatross”
anonymous *leg.* (U.S. Fish Commission), date unknown, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Raja straeleni* Poll, 1951**

MOVI 29088 (formerly IIPB 173/1990) (1) specimen, ♀ (444 mm DW, 572 mm TL)
South Atlantic, Namibia, 28°20'S, 14°26'E, 439 m
anonymous *leg.*, 03.ii.1986, D. Lloris *don.*, 07.vii.2003, D. Lloris *det.*

***Rajella leopardus* (von Bonde & Swart, 1923)**

MOVI 29087 (formerly IIPB 115/1990) (1) specimen, ♀ (462 mm DW, 755 mm TL)
South Atlantic, Namibia, 28°11'S, 14°30'E, 439 m
anonymous *leg.*, 03.ii.1986, D. Lloris *don.*, 07.vii.2003, D. Lloris *det.*

***Rioraja agassizii* (Müller & Henle, 1841)**

- MOVI 00113 (formerly MCNC) (1) specimen, ♀ (196 mm DW, 323 mm TL)
South Atlantic, Brazil, RS, 5 km off Imbé, 6 m, FV “Laureano IV”, gillnet
J.M.R. Soto *leg.*, 22.i.1990, J.M.R. Soto *don.*, 22.i.1990, J.M.R. Soto *det.*, 20.vi.1991
- MOVI 00124 (formerly MCNC) (1) specimen, ♂ mat. (266 mm DW, 445 mm TL)
South Atlantic, Brazil, RS, 5–7 km off Tramandai, 8–11 m, FV “Laureano V”, gillnet
J.M.R. Soto *leg.*, 22–23.i.1989, J.M.R. Soto *don.*, 23.i.1989, J.M.R. Soto *det.*, 20.vi.1991
- MOVI 03957 (1) specimen, ♀ (339 mm DW, 502 mm TL)
South Atlantic, Brazil, RS, coast of Torres
anonymous *leg.*, 21.vii.1994, R.C. Mazzoleni *et al. don.*, 26.vii.1994, J.M.R. Soto *det.*, 07.iii.1994
- MOVI 08927–08939 (13) specimens, 8 ♂ newborn (55–87 mm DW, 107–151 mm TL) and 5 ♀ newborn (61–66 mm DW, 119–122 mm TL)
South Atlantic, Brazil, SC, between Moleque do Sul Islands and Imbituba, 19–41 m, bottom trawl
E. Santos *leg.*, 02–13.xii.1996, E. Santos *don.*, 13.xii.1996, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 09037–09040 (4) specimens, 2 ♂ newborn (74–75 mm DW, 130–136 mm TL) and 2 ♀ newborn (60–69 mm DW, 113–123 mm TL)
South Atlantic, Brazil, RS, 30°40,01'S, 50°21,19'W–30°50,26'S, 50°26,00'W, 18–28 m, bottom trawl
C.O. Garcia *leg.*, 07.xii.1996, C.O. Garcia *don.*, 20.xii.1996, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 16515 (1) specimen, ♀ (430 mm DW, 625 mm TL)
South Atlantic, Brazil, off southern region
anonymous *leg.*, 2000, P.R. Schwingel *don.*, 2000, J.M.R. Soto *det.*, 08.xii.2000
- MOVI 20268–20269 (2) specimens, ♂ (245–348 mm DW, 445–567 mm TL)
South Atlantic, Brazil, RS, 33°20.394'S, 52°10.560'W–33°23.663'S, 52°13.385'W, 37–40 m, FV “Marília V”, bottom trawl
M.V. Kitahara *leg.*, 10.ii.2002, M.V. Kitahara *don.*, 24.ii.2002, J.M.R. Soto *det.*, 04.iii.2002
- MOVI 24733 (formerly LEAM) (1) specimen, ♂ mat. (330 mm DW, 520 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24734 (formerly LEAM) (1) specimen, ♀ mat. (425 mm DW, 642 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24735 (formerly LEAM) (1) specimen, ♀ mat. (395 mm DW, 518 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24736–24739 (formerly LEAM 108) (4) specimens, 3 ♂ mat. (317–350 mm DW, 501–530 mm TL) and 1 ♀ immat. (269 mm DW, 403 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24740 (formerly LEAM) (1) specimen, ♀ immat. (323 mm DW, 493 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24741–24748 (formerly LEAM) (8) specimens, 4 ♂ mat. (322–338 mm DW, 502–555 mm TL) and 4 ♀ mat. (348–433 mm DW, 548–676 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 36986 (1) specimen, ♂ (305 mm DW, 465 mm TL)
South Atlantic, Brazil, RJ, 22°35.398'S, 41°25.512'W–22°34.905'S, 41°325.338'W, 40 m, “Astro Garoupa”, bottom trawl
P.A.S. Costa *leg.*, 04.ii.2003, P.A.S. Costa *don.*, 20.v.2004, J.M.R. Soto *det.*, 08.vi.2004

***Sympterygia acuta* Garman, 1877**

- MOVI 00274 (formerly MCNC) (1) specimen, ♀ (118 mm DW, 220 mm TL)

- South Atlantic, Brazil, RS, 15 km off Quêrência, 15 m, FV “Conquistador”, bottom gillnet
J.M.R. Soto *leg.*, 11.ii.1988, J.M.R. Soto *don.*, 11.ii.1988, J.M.R. Soto *det.*, 20.x.1991
- MOVI 00277 (formerly MCNC) (1) specimen, ♀ immat. (98 mm DW, 218 mm TL)
South Atlantic, Brazil, RS, 25 km off Quêrência, 30 m, FV “Conquistador”, bottom gillnet
J.M.R. Soto *leg.*, 11–22.ii.1988, J.M.R. Soto *don.*, 22.ii.1988, J.M.R. Soto *det.*, 20.x.1991
- MOVI 00278 (formerly MCNC) (1) specimen, ♀ immat. (78 mm DW, 147 mm TL)
South Atlantic, Brazil, RS, 25 km off Quêrência, 30 m, FV “Conquistador”, bottom gillnet
J.M.R. Soto *leg.*, 11–22.ii.1988, J.M.R. Soto *don.*, 22.ii.1988, J.M.R. Soto *det.*, 20.x.1991
- MOVI 00281 (formerly MCNC) (1) specimen, ♀ embr. (30 mm DW, 72 mm TL) with egg capsule (48 mm TL)
South Atlantic, Brazil, RS, 5 km off Imbé, gillnet
anonymous *leg.*, ii.1988, J.M.R. Soto *don.*, ii.1988, J.M.R. Soto *det.*, 20.x.1991
- MOVI 01529–01536 (formerly MCNC) (8) egg capsules (43–48 mm TL)
South Atlantic, Brazil, RS, 9 km off Tramandaí, 13–15 m
R.S. Bacelar *leg.*, 30.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, xi.1992, J.M.R. Soto *det.*, 10.xii.1992
- MOVI 01537–01543 (formerly MCNC) (7) egg capsules (45–53 mm TL)
South Atlantic, Brazil, RS, 9 km off Tramandaí, 13–15 m
R.S. Bacelar *leg.*, 30.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, xi.1992, J.M.R. Soto *det.*, 10.xii.1992
- MOVI 01544–01551 (formerly MCNC) (8) egg capsules (46–53 mm TL)
South Atlantic, Brazil, RS, 9 km off Tramandaí, 13–15 m
R.S. Bacelar *leg.*, 30.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, xi.1992, J.M.R. Soto *det.*, 10.xii.1992
- MOVI 05939 (formerly MCNC) (1) specimen, ♂ mat. (247 mm DW, 430 mm TL)
South Atlantic, Brazil, RS, Imbé, 7 km off Imbé, 10 m, FV “Laureano V”, gillnet
J.M.R. Soto *leg.*, 5.i.1990, J.M.R. Soto *don.*, 5.i.1990, J.M.R. Soto *det.*, 01.vii.1991
- MOVI 08901–08910 (10) specimens, 4 ♂ newborn (52–71 mm DW, 97–133 mm TL) and 6 ♀ newborn (40–76 mm DW, 82–139 mm TL)
South Atlantic, Brazil, SC, between Itajaí and Imbituba, 20–45 m, bottom trawl
J.A. Camilo *leg.*, 03–13.xii.1996, J.A. Camilo *don.*, 13.xii.1996, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 08922–08924 (3) specimens, 1 ♂ newborn (58 mm DW, 113 mm TL) and 2 ♀ newborn (46–48 mm DW, 84–87 mm TL)
South Atlantic, Brazil, SC, between Itajaí and Imbituba, 20–45 m, bottom trawl
J.A. Camilo *leg.*, 03–13.xii.1996, J.A. Camilo *don.*, 13.xii.1996, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 08925 (1) egg capsule (47 mm TL)
South Atlantic, Brazil, SC, between Moleque do Sul Islands and Imbituba, 19–41 m, bottom trawl
E. Santos *leg.*, 02–13.xii.1996, E. Santos *don.*, 13.xii.1996, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 08940–09004 (65) specimens, 28 ♂ newborn (41–75 mm DW, 89–139 mm TL) and 37 ♀ newborn (40–109 mm DW, 80–193 mm TL)
South Atlantic, Brazil, SC, between Moleque do Sul Islands and Imbituba, 19–41 m, bottom trawl
E. Santos *leg.*, 02–13.xii.1996, E. Santos *don.*, 13.xii.1996, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 09022 (1) egg capsule (53 mm TL)
South Atlantic, Brazil, RS, 30°40,01’S, 50°21,19’W–30°50,26’S, 50°26,00’W, 18–28 m, bottom trawl
C.O. Garcia *leg.*, 07.xii.1996, C.O. Garcia *don.*, 20.xii.1996, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 09031–09036 (6) specimens, 3 ♂ newborn (47–56 mm DW, 86–119 mm TL) and 3 ♀ newborn (35–60 mm DW, 87–113 mm TL)
South Atlantic, Brazil, RS, 30°40,01’S, 50°21,19’W–30°50,26’S, 50°26,00’W, 18–28 m, bottom trawl
C.O. Garcia *leg.*, 07.xii.1996, C.O. Garcia *don.*, 20.xii.1996, J.M.R. Soto *det.*, 26.iii.1998
- MOVI 09044–09088 (45) specimens, 24 ♂ newborn (28–77 mm DW, 80–148 mm TL) and 21 ♀ newborn (29–67 mm DW, 74–131 mm TL)
South Atlantic, Brazil, RS, 30°40,01’S, 50°21,19’W–30°50,26’S, 50°26,00’W, 18–28 m, bottom trawl
C.O. Garcia *leg.*, 07.xii.1996, C.O. Garcia *don.*, 20.xii.1996, J.M.R. Soto *det.*, 26.iii.1998
Remarks: specimens 09045, 09046, 09070 and 09071 donated to USNM.
- MOVI 05938 (1) egg capsule (51 mm TL)
South Atlantic, Brazil, RS, Tavares, 38 km to N of the Conceição Lighthouse
S. Ternes-Silva *et al. leg.*, 05.xii.1996, S. Ternes-Silva *et al. don.*, 07.xii.1996, J.M.R. Soto *det.*, 26.iii.1998

- MOVI 24753 (formerly LEAM) (1) specimen, ♀ anomalous (290 mm DW, 514 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24754–24755 (formerly LEAM 126) (2) specimens, ♀ (273–284 mm DW, 470–518 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24756–24758 (formerly LEAM 127) (3) specimens, 2 ♂ mat. (265–283 mm DW, 485–513 mm TL) and 1 ♀ mat. (275 mm DW, 497 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24759 (formerly LEAM 129) (1) specimen, ♂ mat. (274 mm DW, 525 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, FV “Sarita”
anonymous *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24760 (formerly LEAM) (1) specimen, ♀ (285 mm DW, 519 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24761 (formerly LEAM) (1) specimen, ♀ (304 mm DW, 550 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24762 (formerly LEAM 109) (1) specimen, ♀ (310 mm DW, 584 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24763 (formerly LEAM 128) (1) specimen, ♂ mat. (285 mm DW, 531 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24764–24770 (formerly LEAM) (7) specimens, 5 ♂ mat. (264–290 mm DW, 490–522 mm TL) and 2 ♀ mat. (287–295 mm DW, 531–567 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 24771–24778 (formerly LEAM) (8) specimens, 3 ♂ mat. (260–285 mm DW, 490–531 mm TL) and 5 ♀ mat. (275–310 mm DW, 503–572 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 27261–27267 (7) egg capsules (40–46 mm TL)
South Atlantic, Brazil, RS, Rio Grande, Cassino beach
J.M.R. Soto *leg.*, 25.x.2002, J.M.R. Soto *don.*, 25.x.2002, J.M.R. Soto *det.*, 17.xii.2002
- MOVI 31270–31274 (formerly CCNG 05640–05644) (5) egg capsule (41–48 mm TL)
South Atlantic, Brazil, RS, Rio Grande, Cassino beach
C.N. Gofferjé *leg.*, ix.1978, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003
- MOVI 31275–31276 (formerly CCNG 05645–05646) (2) egg capsules with embryo (30–40 mm TL)
South Atlantic, Brazil, SC, Florianópolis, Francês Island
C.N. Gofferjé *leg.*, i.1940, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003
- Sympterygia bonapartii* Müller & Henle, 1841**
- MOVI 01552–01555 (formerly MCNC) (4) egg capsules (65–74 mm TL)
South Atlantic, Brazil, RS, 12 km off Tramandaí, 13–15 m
R.S. Bacelar *leg.*, 30.x.1992, J.M.R. Soto & W. Nisa-Castro-Neto *don.*, 02.xi.1992, J.M.R. Soto *det.*, 22.iii.1998
- MOVI 08875–08900 (26) specimens, 15 ♂ newborn (86–110 mm DW, 141–177 mm TL) and 11 ♀ newborn (80–103 mm DW, 134–173 mm TL)
South Atlantic, Brazil, SC, between Itajaí and Imbituba, 20–45 m, bottom trawl

J.A. Camilo *leg.*, 03–13.xii.1996, J.A. Camilo *don.*, 13.xii.1996, J.M.R. Soto *det.*, 26.iii.1998

Remarks: two specimens donated to MPEG; specimens 08876, 08877, 08891 and 08892 donated to USNM.

MOVI 09012–09021 (10) specimens, 6 ♂ newborn (76–110 mm DW, 125–179 mm TL) and 4 ♀ newborn (84–95 mm DW, 141–150 mm TL)
South Atlantic, Brazil, SC, between Moleque do Sul Islands and Imbituba, 19–41 m, bottom trawl
E. Santos *leg.*, 02–13.xii.1996, E. Santos *don.*, 13.xii.1996, J.M.R. Soto *det.*, 26.iii.1998

MOVI 09023–09030 (8) specimens, 2 ♂ newborn (82–88 mm DW, 137–147 mm TL) and 6 ♀ newborn (75–90 mm DW, 128–159 mm TL)
South Atlantic, Brazil, RS, 30°40,01'S, 50°21,19'W–30°50,26'S, 50°26,00'W, 18–28 m, bottom trawl
C.O. Garcia *leg.*, 07.xii.1996, C.O. Garcia *don.*, 20.xii.1996, J.M.R. Soto *det.*, 26.iii.1998

MOVI 09091–09092 (2) specimens, 1 ♂ immat. (86 mm DW, 144 mm TL) and 1 ♀ immat. (83 mm DW, 148 mm TL)
South Atlantic, Brazil, RS, 30°40,01'S, 50°21,19'W–30°50,26'S, 50°26,00'W, 18–28 m, bottom trawl
C.O. Garcia *leg.*, 07.xii.1996, C.O. Garcia *don.*, 20.xii.1996, J.M.R. Soto *det.*, 26.iii.1998

MOVI 16514 (1) specimen, ♂ (378 mm DW, 555 mm TL)
South Atlantic, Brazil, off southern region
anonymous *leg.*, 2002, P.R. Schwingel *don.*, 2002, J.M.R. Soto *det.*, 02.vii.2002

MOVI 24779 (formerly LEAM) (1) specimen, ♀ mat. (509 mm DW, 735 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24780 (formerly LEAM) (1) specimen, ♀ mat. (393 mm DW, 574 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24781–24782 (formerly LEAM) (2) specimens, ♂ mat. (392–418 mm DW, 575–681 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24783–24790 (formerly LEAM) (8) specimens, 2 ♂ (170–201 mm DW, 258–292 mm TL) and 6 ♀ (300–555 mm DW, 445–802 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, xi.1984, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24791 (formerly LEAM) (1) specimen, ♀ (389 mm DW, 611 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24805–24808 (formerly LEAM) (4) specimens, 1 ♂ immat. (396 mm DW, 603 mm TL) and 3 ♀ immat. (428–525 mm DW, 595–769 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 31269 (formerly CCNG 05639) (1) egg capsule (65 mm TL)
South Atlantic, Brazil, RS, Rio Grande, Cassino beach
C.N. Gofferjé *leg.*, 1987, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003

Family DASYATIDAE

***Dasyatis americana* Hildebrand & Schroeder, 1928**

MOVI 05569 (formerly MCNC) (1) photograph, SU (DWU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel
J.M.R. Soto *leg.*, 23.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 18.iv.1996

MOVI 05570 (formerly MCNC) (1) photograph, SU (DWU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Baía do Sueste
J.M.R. Soto *leg.*, 24.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 18.iv.1996

MOVI 05571 (formerly MCNC) (1) photograph, SU (DWU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel

J.M.R. Soto *leg.*, 25.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 18.iv.1996

MOVI 10148 (formerly MCNC) (1) photograph, SU (DWU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Morro de Fora
J.M.R. Soto *leg.*, 22.viii.1990, J.M.R. Soto *don.*, 03.ix.1990, J.M.R. Soto *det.*, 18.iv.1996

MOVI 10149 (formerly MCNC) (1) photograph, ♀ (DWU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel
J.M.R. Soto *leg.*, 15.viii.1990, J.M.R. Soto *don.*, 03.ix.1990, J.M.R. Soto *det.*, 18.iv.1996

MOVI 10150 (formerly MCNC) (1) photograph, SU (DWU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel
R.N. Rocha-Filho *leg.*, 17.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 18.iv.1996

MOVI 27791 (1) specimen, ♂ (472 mm DW, 885 mm TL)
South Atlantic, Brazil, BA, Entre Rios, Sítio do Conde beach, 20 m
F.S. Tavares *leg.*, 26.i.2003, J.B. Larré-Neto *don.*, 18.ii.2003, J.M.R. Soto *det.*, 20.ii.2003

MOVI 31290 (1) photographs, ♀ mat. (TLU)
South Atlantic, Brazil, BA, Camaçari, Arembépe beach
anonymous *leg.*, i.2003, J.B. Larré-Neto *don.*, ii.2003, J.M.R. Soto *det.*, 20.ii.2003

MOVI 31313 (1) photograph, SU (DWU)
South Atlantic, Brazil, Rocas Atoll
E. Marcovaldi *leg.*, ii.1990, A. Filippini *don.*, 20.iii.1997, J.M.R. Soto *det.*, 20.iii.1997

***Dasyatis centroura* (Mitchill, 1815)**

MOVI 00273 (formerly MCNC) (1) specimen, ♂ newborn (101 mm DW, 256 mm TL)
South Atlantic, Brazil, RS, 31°20'–32°00'S, 49°50'–50°00', 140–170 m, FV "Itau Costa", bottom trawl
J.M.R. Soto *leg.*, 11–15.ii.1989, J.M.R. Soto *don.*, 15.ii.1989, J.M.R. Soto *det.*, 20.x.1991

MOVI 01935 (1) tail, SU mat. (DWU)
South Atlantic, Brazil, RS, off Rio Grande
anonymous *leg.*, 1985, R. Laureano *don.*, v.1994, J.M.R. Soto *det.*, 25.ix.1994

MOVI 08495 (1) specimen, ♂ (900 mm DW, 2052 mm TL)
South Atlantic, Brazil, RS, 29°58'56"S, 48°34'24"W, 140 m, FV "Master Fish", bottom longline
P.C. Rodrigues *leg.*, 30.vi.1997, P.C. Rodrigues *don.*, 11.vii.1997, J.M.R. Soto *det.*, 15.vii.1997

MOVI 23021 (1) specimen, ♂ (630 mm DW, 1387 mm TL)
South Atlantic, Brazil, RS, 31°47.648'S, 50°08.506'W–31°35.113'S, 50°08.175'W, 140–150 m, FV "Sambaqui III", bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 24704 (formerly LEAM) (1) specimen, ♀ (657 mm DW, 1330 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 31266 (formerly CCNG 00262) (1) tail, SU (DWU)
South Atlantic, Brazil, SC, Penha, 40 m
J. Assis *leg.*, 1974, C.N. Gofferjé *don.*, 01.xi.2003, J.M.R. Soto *det.*, 14.xi.2003

***Dasyatis geijskesi* Boeseman, 1948**

MOVI 19683 (1) specimen, ♂ mat. (616 mm DW, 2378 mm TL)
South Atlantic, Brazil, PA, Colares Island, Marajó bay, 00°55'25"S, 48°17'31"W, longline
P. Charvet-Almeida *leg.*, 07.xii.2001, P. Charvet-Almeida *don.*, 14.ii.2002, P. Charvet-Almeida *det.*, 07.xii.2001

MOVI 19684 (1) specimen, ♀ mat. (814 mm DW, 2800 mm TL)
South Atlantic, Brazil, PA, Colares Island, Marajó bay, 00°54'30"S, 48°17'28"W, longline
P. Charvet-Almeida *leg.*, 07.xii.2001, P. Charvet-Almeida *don.*, 14.ii.2002, P. Charvet-Almeida *det.*, 07.xii.2001

***Dasyatis guttata* (Bloch & Schneider, 1801)**

MOVI 05945 (1) tail, SU mat. (DWU)

South Atlantic, Brazil, SC, São Francisco do Sul, Babitonga bay

M. Hostim-Silva *leg.*, 1995, M.A.C. Souza-Filho *don.*, xii.1995, J.M.R. Soto *det.*, 26.iii.1998

MOVI 19674 (formerly MPEG 3406) (1) specimen, ♀ immat. (270 mm DW, 1123 mm TL)

Brazil, PA, Amazonas river, 00°16.3'N, 48°00.97'W, FV "Crustamar V", trawl

M. Torres *leg.*, 11.viii.1996, H. Higuchi *don.*, 14.ii.2002, P. Charvet-Almeida *det.*, 07.xii.2001

MOVI 24709–24710 (formerly LEAM 143) (2) specimens, 1 ♂ (299 mm DW, 734 mm TL) and 1 ♀ (247 mm DW, 875 mm TL)

North Atlantic, Brazil, AP, off Amapá State, 50 m

anonymous *leg.*, i–ii.1981, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 31289 (1) photographs, ♀ (TLU)

South Atlantic, Brazil, BA, Camaçari, Arembepe beach

anonymous *leg.*, i.2003, J.B. Larré-Neto *don.*, ii.2003, J.M.R. Soto *det.*, 20.ii.2003

***Dasyatis marianae* Gomes, Rosa & Gadig, 2000**

MOVI 27792 (1) specimen, ♀ (350 mm DW, 695 mm TL)

South Atlantic, Brazil, BA, Entre Rios, Sítio do Conde beach, 20 m

F.S. Tavares *leg.*, 26.i.2003, J.B. Larré-Neto *don.*, 18.ii.2003, J.M.R. Soto *det.*, 20.ii.2003

MOVI 31291 (1) photograph, SU (TLU)

South Atlantic, Brazil, BA, Camaçari, Arembepe beach

J.B. Larré-Neto *leg.*, i.2003, J.B. Larré-Neto *don.*, ii.2003, J.M.R. Soto *det.*, 20.ii.2003

***Dasyatis say* (LeSueur, 1817)**

MOVI 03961 (1) specimen, ♀ (351 mm DW, 723 mm TL)

South Atlantic, Brazil, SC, coast of Barra Velha, gillnet

R.C. Mazzoleni & A.H. Roman *leg.*, 28.xi.1993, R.C. Mazzoleni & A.H. Roman *don.*, 28.xi.1993, J.M.R. Soto *det.*, 26.iii.1998

MOVI 24705 (formerly LEAM) (1) specimen, ♀ mat. (502 mm DW, 880 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24706 (formerly LEAM) (1) specimen, ♂ mat. (413 mm DW, 738 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24707 (formerly LEAM) (1) specimen, ♂ mat. (388 mm DW, 664 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24708 (formerly LEAM) (1) specimen, ♂ mat. (376 mm DW, 755 mm TL)

South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV "Atlântico Sul"

C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

***Dasyatis zugei* (Müller & Henle, 1841)**

MOVI 31019–31022 (formerly CAS 41657) (4) specimens, ♂ (88–134 mm DW, 245–346 mm TL)

Indo-Pacific, Indonesia, Java Sea, N of Jakarta, 05°58'S, 106°48'E, 13 fm [24 m], trawl

F.B. Steiner *leg.*, 05.xii.1975, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, 1978

***Himantura imbricata* (Bloch & Schneider, 1801)**

MOVI 31014–31015 (formerly CAS 41658) (2) specimens, ♂ (170 mm DW, 334 mm TL) and F (172 mm DW, 333 mm TL)

Indo-Pacific, Thailand, Gulf of Thailand, Ko-sichang, ca. 30 miles from Bangkok, 50 ft [15 m], trawl

F.B. Steiner *leg.*, 29.ix.1978, T. Iwamoto *don.*, 02.xii.2003, L.J.V. Compagno *det.*, date unknown

***Pteroplatytrygon violacea* (Bonaparte, 1832)**

- MOVI 20302–20304 (3) specimens, ♂ mat. (452–470 mm DW, 975–1045 mm TL)
South Atlantic, Brazil, RS, 29°47'S, 47°32'W–29°50'S, 47°40'W, 30–60 m, FV “Yamaya III”, longline
R.C. Mazzoleni *leg.*, 08.viii.2001, R.C. Mazzoleni *don.*, 11.viii.2001, J.M.R. Soto *det.*, 27.vi.2002
- MOVI 22225 (1) specimen, ♂ mat. (502 mm DW, 895 mm TL)
South Atlantic, 34°42'S, 30°02'W–34°05'S, 29°58'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 10.i.2002, A.T. Lima *don.*, 30.i.2002, J.M.R. Soto *det.*, 05.vii.2002
- MOVI 22226 (1) specimen, ♂ mat. (371 mm DW, 922 mm TL)
South Atlantic, 33°10'S, 30°50'W–33°42'S, 30°36'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 12.i.2002, A.T. Lima *don.*, 30.i.2002, J.M.R. Soto *det.*, 05.vii.2002
- MOVI 22881–22882 (2) jaws, SU (DWU)
South Atlantic, Brazil, SC, 27°56'S, 46°12'W–27°40'S, 46°43'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 17.v.2002, A.T. Lima *don.*, 20.v.2002, J.M.R. Soto *det.*, 27.vi.2002
- MOVI 23407–23410 (4) specimens, 3 ♂ embr. (152–155 mm DW, 505–510 mm TL) and 1 ♀ embr. (146 mm DW, 507 mm TL)
South Atlantic, Brazil, SC, 28°11'S, 46°49'W–27°59'S, 46°58'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 16.v.2002, A.T. Lima *don.*, 20.v.2002, A.T. Lima *det.*, 06.vii.2002
Remarks: specimens 23408 and 23409 donated to USNM.
- MOVI 23411–23419 (9) specimens, 2 ♂ embr. (121–123 mm DW, 392–403 mm TL) and 7 ♀ embr. (122–125 mm DW, 368–392 mm TL)
South Atlantic, Brazil, SC, 28°13'S, 46°49'W–28°09'S, 47°03'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 15.v.2002, A.T. Lima *don.*, 20.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 23420–23424 (5) specimens, 1 ♂ embr. (99 mm DW, 324 mm TL) and 4 ♀ embr. (100–101 mm DW, 310–321 mm TL)
South Atlantic, Brazil, SC, 28°13'S, 46°49'W–28°09'S, 47°03'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 15.v.2002, A.T. Lima *don.*, 20.v.2002, J.M.R. Soto *det.*, 11.vii.2002
- MOVI 24696 (formerly LEAM) (1) specimen, ♂ mat. (505 mm DW, 644 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002
- MOVI 28134 (1) specimen, ♂ (460 mm DW, 1110 mm TL)
South Atlantic, 32°19.701'S, 42°24.017'W–31°46.563'S, 42°16.221'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 17.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003
- MOVI 28135 (1) specimen, ♀ (490 mm DW, 1100 mm TL)
South Atlantic, 33°38.938'S, 30°30.549'W–33°28.483'S, 31°15.161'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 07.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003
- MOVI 28136 (1) specimen, ♂ (470 mm DW, 930 mm TL)
South Atlantic, 32°24.918'S, 41°52.187'–32°02.996'S, 42°23.164'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 18.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003
- MOVI 28137 (1) specimen, ♂ (440 mm DW, 970 mm TL)
South Atlantic, 32°19.701'S, 42°24.017'W–31°46.563'S, 42°16.221'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 17.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003
- MOVI 28138 (1) specimen, ♂ (440 mm DW, 900 mm TL)
South Atlantic, 32°19.701'S, 42°24.017'–31°46.563'S, 42°16.221'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 17.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003
- MOVI 28139 (1) specimen, ♂ (475 mm DW, 800 mm TL)
South Atlantic, 32°24.918'S, 41°52.187'W–32°02.996'S, 42°23.164'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 18.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003
- MOVI 28140 (1) specimen, ♀ (450 mm DW)
South Atlantic, 32°24.918'S, 41°52.187'W–32°02.996'S, 42°23.164'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 18.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003

- MOVI 28141 (1) specimen, ♂ (435 mm DW, 890 mm TL)
South Atlantic, 29°11.121'S, 43°36.526'W–29°40.533'S, 43°40.653'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 21.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003
- MOVI 28142 (1) specimen, ♀ (530 mm DW, 1150 mm TL)
South Atlantic, 32°19.701'S, 42°24.017'W–31°46.563'S, 42°16.221'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 17.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003
- MOVI 28143 (1) specimen, ♂ (385 mm DW, 760 mm TL)
South Atlantic, 32°19.701'S, 42°24.017'W–31°46.563'S, 42°16.221'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 17.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003
- MOVI 28144 (1) specimen, ♀ (560 mm DW, 1145 mm TL)
South Atlantic, 29°11.121'S, 43°36.526'W–29°40.533'S, 43°40.653'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 21.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003
- MOVI 28840–28845 (6) specimens, SU embr. (53–70 mm DW, 130–192 mm TL)
South Atlantic, 29°11.121'S, 43°36.526'W–29°40.533'S, 43°40.653'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 21.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 01.iv.2003
Remarks: embryos of mature ♀ (560 mm DW, 1145 mm TL).
- MOVI 29096 (1) specimen, ♀ (482 mm DW)
South Atlantic, Brazil, SC, 27°35.403'S, 46°12.387'W–27°04.604'S, 45°46.698'W, 30–60 m, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 05.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 01.ix.2003
- MOVI 29098–29099 (2) specimens, ♂ (471–486 mm DW)
South Atlantic, Brazil, SC, 28°09.062'S, 46°42.496'W–28°39.222'S, 45°51.644'W, 30–60 m, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 08.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 01.ix.2003
- MOVI 30407 (1) specimen, ♂ mat. (436 mm DW)
South Atlantic, 30°32.214'S, 39°41.098'W, 30–60 m, FV “Macedo IV”, longline
C.M. Vasconcelos *leg.*, 04.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003
- MOVI 30408 (1) specimen, ♂ mat. (493 mm DW)
South Atlantic, 29°50.740'S, 40°35.942'W, 30–60 m, FV “Macedo IV”, longline
C.M. Vasconcelos *leg.*, 05.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003
- MOVI 30409 (1) specimen, ♂ mat. (455 mm DW)
South Atlantic, Brazil, SC, 30°03.179'S, 45°25.330'W, 30–60 m, FV “Macedo IV”, longline
C.M. Vasconcelos *leg.*, 07.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003
- MOVI 30410 (1) specimen, ♂ mat. (438 mm DW)
South Atlantic, Brazil, SC, 30°15.202'S, 45°30.268'W, 30–60 m, FV “Macedo IV”, longline
C.M. Vasconcelos *leg.*, 07.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003
- MOVI 30411 (1) specimen, ♂ mat. (456 mm DW)
South Atlantic, Brazil, SC, 30°15.301'S, 45°32.420'W, 30–60 m, FV “Macedo IV”, longline
C.M. Vasconcelos *leg.*, 07.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003
- MOVI 30412 (1) specimen, ♂ mat. (435 mm DW)
South Atlantic, Brazil, SC, 29°55.910'S, 45°15.325'W, 30–60 m, FV “Macedo IV”, longline
C.M. Vasconcelos *leg.*, 07.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003
- MOVI 30413 (1) specimen, ♂ mat. (430 mm DW)
South Atlantic, Brazil, SC, 30°44.485'S, 46°04.880'W, 30–60 m, FV “Macedo IV”, longline
C.M. Vasconcelos *leg.*, 08.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003
- MOVI 30414 (1) specimen, ♀ mat. (522 mm DW)
South Atlantic, Brazil, SC, 30°40.272'S, 46°00.425'W, 30–60 m, FV “Macedo IV”, longline
C.M. Vasconcelos *leg.*, 08.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003
- MOVI 30415 (1) specimen, ♂ mat. (430 mm DW)
South Atlantic, Brazil, SC, 30°33.913'S, 46°22.434'W, 30–60 m, FV “Macedo IV”, longline

C.M. Vasconcelos *leg.*, 08.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003

MOVI 30416 (1) specimen, ♂ mat. (472 mm DW)

South Atlantic, Brazil, SC, 30°31.913'S, 46°48.245'W, 30–60 m, FV “Macedo IV”, longline

C.M. Vasconcelos *leg.*, 08.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003

MOVI 30417 (1) specimen, ♂ mat. (419 mm DW)

South Atlantic, Brazil, SC, 30°41.286'S, 46°46.686'W, 30–60 m, FV “Macedo IV”, longline

C.M. Vasconcelos *leg.*, 09.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003

MOVI 30418–30420 (3) specimens, 2 ♂ mat. (434–467 mm DW) and 1 ♀ mat. (411 mm DW)

South Atlantic, Brazil, RS, 30°41.488'S, 47°06.266'W, 30–60 m, FV “Macedo IV”, longline

C.M. Vasconcelos *leg.*, 10.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003

MOVI 30421–30422 (2) specimens, ♂ mat. (411–466 mm DW)

South Atlantic, Brazil, SC, 30°28.789'S, 46°52.100'W, 30–60 m, FV “Macedo IV”, longline

C.M. Vasconcelos *leg.*, 10.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003

MOVI 30423–30425 (3) specimens, ♂ mat. (420–450 mm DW)

South Atlantic, Brazil, RS, 30°37.282'S, 47°23.240'W, 30–60 m, FV “Macedo IV”, longline

C.M. Vasconcelos *leg.*, 11.x.2003, C.M. Vasconcelos *don.*, 12.x.2003, J.M.R. Soto *det.*, 12.x.2003

MOVI 30426 (1) specimen, ♀ mat. (443 mm DW)

South Atlantic, Brazil, RS, 32°03'S, 40°25'W–31°45'S, 40°03'W, 30–60 m, FV “Yamaya III”, longline

R.R.M. Souza *leg.*, 04.x.2003, R.R.M. Souza *don.*, 18.x.2003, J.M.R. Soto *det.*, 18.x.2003

MOVI 30427–30430 (4) specimens, 3 ♂ mat. (448–484 mm DW) and 1 ♀ mat. (486 mm DW)

South Atlantic, 30°56'S, 41°20'W–31°17'S, 40°42'W, 30–60 m, FV “Yamaya III”, longline

R.R.M. Souza *leg.*, 05.x.2003, R.R.M. Souza *don.*, 18.x.2003, J.M.R. Soto *det.*, 18.x.2003

MOVI 30431 (1) specimen, ♀ mat. (590 mm DW)

South Atlantic, Brazil, RS, 30°54'S, 47°36'W–30°44'S, 47°09'W, 30–60 m, FV “Yamaya III”, longline

R.R.M. Souza *leg.*, 15.x.2003, R.R.M. Souza *don.*, 18.x.2003, J.M.R. Soto *det.*, 18.x.2003

MOVI 30432 (1) specimen, ♂ mat. (448 mm DW)

South Atlantic, Brazil, SC, 27°59'S, 46°48'W–28°44'S, 46°47'W, 30–60 m, FV “Yamaya III”, longline

R.R.M. Souza *leg.*, 31.viii.2003, R.R.M. Souza *don.*, 16.ix.2003, J.M.R. Soto *det.*, 16.ix.2003

MOVI 30433 (1) specimen, ♂ (377 mm DW)

South Atlantic, Brazil, SC, 30°38'S, 46°52'W–29°46'S, 46°32'W, 30–60 m, FV “Yamaya III”, longline

R.R.M. Souza *leg.*, 05.ix.2003, R.R.M. Souza *don.*, 16.ix.2003, J.M.R. Soto *det.*, 16.ix.2003

MOVI 30434–30436 (3) specimens, 2 ♂ mat. (443–447 mm DW) and 1 ♀ mat. (425 mm DW)

South Atlantic, Brazil, SC, 30°26'S, 46°53'W–29°46'S, 46°21'W, 30–60 m, FV “Yamaya III”, longline

R.R.M. Souza *leg.*, 06.ix.2003, R.R.M. Souza *don.*, 16.ix.2003, J.M.R. Soto *det.*, 16.ix.2003

MOVI 30437–30439 (3) specimens, 2 ♂ mat. (410–414 mm DW) and 1 ♀ mat. (434 mm DW)

South Atlantic, Brazil, SC, 27°56'S, 45°18'W–28°25'S, 45°44'W, 30–60 m, FV “Yamaya III”, longline

R.R.M. Souza *leg.*, 12.ix.2003, R.R.M. Souza *don.*, 16.ix.2003, J.M.R. Soto *det.*, 16.ix.2003

MOVI 31067–31070 (4) specimens, 3 ♂ (456–505 mm DW) and 1 ♀ (570 mm DW)

South Atlantic, 34°53'S, 28°53'W–34°05'S, 29°39'W, 30–60 m, FV “Yamaya III”, longline

R.R.M. Souza *leg.*, 11.xii.2003, R.R.M. Souza *don.*, 16.xii.2003, J.M.R. Soto *det.*, 16.xii.2003

MOVI 31071 (1) specimen, ♀ (466 mm DW)

South Atlantic, 33°09'S, 33°57'W–32°33'S, 33°30'W, 30–60 m, FV “Yamaya III”, longline

R.R.M. Souza *leg.*, 14.xii.2003, R.R.M. Souza *don.*, 16.xii.2003, J.M.R. Soto *det.*, 16.xii.2003

MOVI 31072–31074 (3) specimens, ♂ (425–494 mm DW)

South Atlantic, Brazil, 30°39'S, 48°33'W–30°39'S, 47°53'W, 30–60 m, FV “Yamaya III”, longline

R.R.M. Souza *leg.*, 11.xi.2003, R.R.M. Souza *don.*, 17.xi.2003, J.M.R. Soto *det.*, 17.xi.2003

- MOVI 31075–31082 (8) specimens, 7 ♂ (426–490 mm DW) and 1 ♀ (558 mm DW)
South Atlantic, off southern Brazil, FV “Yamaya III”, longline
R.R.M. Souza *leg.*, xi.2003, R.R.M. Souza *don.*, 17.xi.2003, J.M.R. Soto *det.*, 17.xi.2003
- MOVI 30440 (1) specimen, M (DWU)
South Atlantic, Brazil, 27°35.403'S, 46°12.387'W–27°04.604'S, 45°46.698'W, 30–60 m, 06:30–13:35, FV “Macedo IV”, longline
J.B. Larré-Neto *leg.*, 05.vii.2003, J.B. Larré-Neto *don.*, 28.vii.2003, J.M.R. Soto *det.*, 28.vii.2003
- MOVI 36561–36563 (3) specimens, 1 ♂ (463 mm DW, 993 mm TL) and 2 ♀ (505–520 mm DW, 1027–1040 mm TL)
South Atlantic, Brazil, 27°57'S, 38°46'W–28°21'S, 38°20'W, 30–60 m, FV “Macedo IV”, longline
S. Montealegre Q. *leg.*, 24.ii.2004, S. Montealegre Q. *don.*, 06.iii.2004, M.M. Mincarone *det.*, 07.v.2004
- MOVI 36564 (1) specimen, ♀ (560 mm DW, 910 mm TL)
South Atlantic, Brazil, 29°36'S, 36°20'W–29°41'S, 35°46'W, 30–60 m, FV “Macedo IV”, longline
S. Montealegre Q. *leg.*, 01.iii.2004, S. Montealegre Q. *don.*, 06.iii.2004, M.M. Mincarone *det.*, 07.v.2004
- MOVI 36565 (1) specimen, ♀ (657 mm DW, 970 mm TL)
South Atlantic, Brazil, 29°48'S, 35°54'W–29°56'S, 35°16'W, 30–60 m, FV “Yamaya III”, longline
J.C. Dias *leg.*, 24.ii.2004, J.C. Dias *don.*, 08.iii.2004, M.M. Mincarone *det.*, 07.v.2004
- MOVI 36566–36567 (2) specimens, ♀ (540–610 mm DW, 880–1480 mm TL)
South Atlantic, Brazil, 30–60 m, FV “Yamaya III”, longline
J.C. Dias *leg.*, iii.2004, J.C. Dias *don.*, 15.iv.2004, M.M. Mincarone *det.*, 07.v.2004
- Taeniura lymma* (Forsskål, 1775)**
- MOVI 25280 (formerly MCTA) (1) specimen, ♂ immat. (137 mm DW, 315 mm TL)
Indo-Pacific, Indonesia
anonymous *leg.*, 1999, J. Ribé-L. *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002
- Family GYMNURIDAE
- Gymnura altavela* (Linnaeus, 1758)**
- MOVI 03945 (1) specimen, ♂ immat. (654 mm DW, 433 mm TL)
South Atlantic, Brazil, SC, coast of São Francisco do Sul
M. Hostim-Silva *leg.*, 10.v.1994, M. Hostim-Silva *don.*, 15.v.1994, J.M.R. Soto *det.*, 07.iii.1995
- MOVI 10204 (1) specimen, ♀ (499 mm DW, 333 mm TL)
South Atlantic, Brazil, SC, north coast of Santa Catarina State
anonymous *leg.*, 1998, M. Hostim-Silva *don.*, 18.ii.1999, J.M.R. Soto *det.*, 18.ii.1999
- MOVI 23014 (1) specimen, ♂ mat. (975 mm DW, 644 mm TL)
South Atlantic, Brazil, RS, 32°00.449'S, 50°10.677'W–31°48.070'S, 50°08.641'W, 160 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002
- MOVI 24590 (formerly LEAM) (1) specimen, ♂ immat. (370 mm DW, 263 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002
- MOVI 24591 (formerly LEAM) (1) specimen, ♂ immat. (328 mm DW, 240 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002
- MOVI 24592 (formerly LEAM) (1) specimen, ♀ immat. (375 mm DW, 266 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002
- MOVI 24593 (formerly LEAM 78) (1) specimen, ♀ immat. (556 mm DW, 350 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, FV “Santa Luzia”
anonymous *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

***Gymnura marmorata* (Cooper, 1864)**

MOVI 31017 (formerly CAS 218662) (1) specimen, ♂ (239 mm DW, 169 mm TL)
North Pacific, Mexico, Baja California, Gulf of California, Playa las Almejas, 5 miles north of San Felipe
B.W. Walker *et al. leg.*, 23.ix.1954, T. Iwamoto *don.*, 02.xii.2003, J. Stephens *det.*, 07.v.1958

***Gymnura micrura* (Bloch & Schneider, 1801)**

MOVI 19673 (formerly MPEG 3487) (1) specimen, ♂ immat. (240 mm DW, 180 mm TL)
Brazil, PA, Amazonas river, 02°27.6'N, 49°21.09'W, FV "Crustamar V", trawl
M. Torres *leg.*, 05.iv.1997, H. Higuchi *don.*, 14.ii.2002, J.M.R. Soto *det.*, 19.ii.2002

MOVI 24594–24596 (formerly LEAM 141) (3) specimens, 2 ♂ (248–280 mm DW, 187–205 mm TL) and 1 ♀ (201 mm DW, 144 mm TL)
North Atlantic, Brazil, AP, off Amapá State, 50 m
anonymous *leg.*, i–ii.1981, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

Family MYLIOBATIDAE

***Aetobatus narinari* (Euphrasen, 1790)**

MOVI 05575 (formerly MCNC) (1) photograph, SU (DWU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel
J.M.R. Soto *leg.*, 21.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 18.iv.1996

MOVI 31315 (1) photograph, SU (DWU)
South Atlantic, Brazil, Rocas Atoll
E. Marcovaldi *leg.*, ii.1990, A. Filippini *don.*, 20.iii.1997, J.M.R. Soto *det.*, 20.iii.1997

***Manta birostris* (Walbaum, 1792)**

MOVI 03599 (1) head, denticles, intestinal valve, heart, dorsal fin, epidermis samples and photographs, ♀ mat. (4730 mm DW)
South Atlantic, Brazil, SC, Penha, 1–2 miles off Praia Vermelha, 26°46'S, 48°35'W, 18 m, bottom trawl
K.I. Mates Jr. *et al. leg.*, 05.v.1994, K.I. Mates Jr. *et al. don.*, 10.v.1994, J.M.R. Soto *det.*, 18.xii.1994

MOVI 05572 (formerly MCNC) (1) photographs, SU mat. (approx. 5 m DW)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ponta da Sapata
S. Widholzer *leg.*, 13.viii.1990, J.M.R. Soto *don.*, 16.ix.1990, J.M.R. Soto *det.*, 18.iv.1996

MOVI 05573 (formerly MCNC) (1) photograph, SU mat. (approx. 5 m DW)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ponta da Sapata
S. Widholzer *leg.*, 15.viii.1990, J.M.R. Soto *don.*, 16.ix.1990, J.M.R. Soto *det.*, 18.iv.1996

MOVI 05275 (formerly MCNC) (1) intestinal valve and photographs, ♀ mat. (5080 mm DW, 3800 mm TL)
South Atlantic, Brazil, SC, coast of Barra Velha, 26°40'S, 48°38'W, gillnet
J.M.R. Soto *et al. leg.*, 03.iv.1996, J.M.R. Soto *et al. don.*, 04.iv.1996, J.M.R. Soto *det.*, 27.vi.1997

MOVI 10147 (formerly MCNC) (1) photograph, SU (approx. 4 m DW)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ponta da Sapata
J.M.R. Soto *leg.*, 20.viii.1990, J.M.R. Soto *don.*, 03.ix.1990, J.M.R. Soto *det.*, 03.ix.1990

MOVI 10197 (formerly MCNC) (1) photograph, SU mat. (DWU)
South Atlantic, Brazil, BA, Praia do Forte
A. Filippini *leg.*, 1986, J.M.R. Soto & A. Filippini *don.*, viii.1989, J.M.R. Soto *det.*, 05.ix.1989

MOVI 10198 (formerly MCNC) (1) photograph, SU mat. (DWU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago
G.G. Marcovaldi *leg.*, 1987, A. Filippini *don.*, viii.1989, J.M.R. Soto *det.*, 05.ix.1989

MOVI 31296 (formerly MCNC) (1) photograph, SU (4.2 m DW)
South Atlantic, Brazil, RS, off Tramandaí
S. Medeiros *leg.*, i.1976, R.C.P. Beheregaray *don.*, vii.1990, J.M.R. Soto *det.*, vii.1990

MOVI 31309 (1) photograph, SU (DWU)

South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ponta da Sapata
G. Marcovaldi *leg.*, 1980's, A. Filippini *don.*, 20.iii.1997, J.M.R. Soto *det.*, 20.iii.1997

MOVI 31310 (1) photograph, SU (DWU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ponta da Sapata
G. Marcovaldi *leg.*, 1980's, A. Filippini *don.*, 20.iii.1997, J.M.R. Soto *det.*, 20.iii.1997

MOVI 37607 (1) specimen, ♂ (3600 mm DW)
South Atlantic, Brazil, SC, Barra Velha, Canoa beach, 15 m, gillnet
M. Oliveira & L.C. Souza *leg.*, 01.vii.2004, A.B. Batista *don.*, 01.vii.2004, J.M.R. Soto *det.*, 01.vii.2004

***Mobula japanica* (Müller & Henle, 1841)**

MOVI 10156 (1) photograph, ♂ immat. (DWU)
South Atlantic, Brazil, RS, approx. 30°S, 46°W
J.E. Kotas *leg.*, viii.1995, J.E. Kotas *don.*, ix.1995, J.M.R. Soto *det.*, 11.vii.2002

MOVI 16518 (1) specimen and intestinal valve ♂ mat. (2240 mm DW, 1110 mm TL)
South Atlantic, Brazil, SC, 28°02'S, 46°22'W, 20–50 m, FV “Macedo I”, longline
E.B. Miranda *leg.*, 11.x.2000, E.B. Miranda *don.*, 17.x.2000, M.M. Mincarone *det.*, 18.x.2000

MOVI 28130 (1) specimen, SU (2330 mm DW, 2520 mm TL)
South Atlantic, 29°11.122'S, 43°36.526'W–29°40.533'S, 43°40.653'W, 30–60 m, FV “Macedo IV”, longline
R.S. Riva *leg.*, 21.ii.2003, R.S. Riva *don.*, 25.ii.2003, J.M.R. Soto *det.*, 23.iv.2003

MOVI 31306 (1) photograph, SU (TLU)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Rata Island
L.B. Veras *leg.*, x.1994, L.B. Veras *don.*, ix.2000, J.M.R. Soto *det.*, ix.2000

***Mobula tarapacana* (Philippi, 1893)**

MOVI 05574 (formerly MCNC) (1) photographs, SU mat. (approx. 2.5 m DW)
South Atlantic, Brazil, PE, Fernando de Noronha Archipelago, Ressureta Channel
J.M.R. Soto *leg.*, 17.vi.1989, J.M.R. Soto *don.*, 05.vii.1989, J.M.R. Soto *det.*, 18.iv.1996

MOVI 22228 (1) branchial plates, tail, and photographs ♀ (approx. 2 m DW)
South Atlantic, Brazil, RS, 34°14'S, 33°07'W–33°49'S, 32°36'W, 30–60 m, FV “Yamaya III”, longline
A.T. Lima *leg.*, 21.i.2002, A.T. Lima *don.*, 30.i.2002, J.M.R. Soto *det.*, 10.vii.2002

***Mobula thurstoni* (Lloyd, 1908)**

MOVI 17308 (1) specimen, ♂ (1090 mm DW, 1384 mm TL)
South Atlantic, Brazil, RS, 32°43.07'S, 50°16.27'W, 30–60 m, FV “Yamaya III”, longline
R.S. Riva *leg.*, 15.vi.2001, R.S. Riva *don.*, 26.vi.2001, J.M.R. Soto *det.*, 05.vii.2002

MOVI 21811 (1) specimen, ♂ (1049 mm DW, 1367 mm TL)
South Atlantic, Brazil, RS, 33°18'S, 50°49'W, 30–60 m, FV “Yamaya III”, longline
anonymous *leg.*, 12.iv.2002, anonymous *don.*, 24.iv.2002, J.M.R. Soto *det.*, 24.iv.2002

MOVI 23016 (1) specimen, ♀ (1110 mm DW, 745 mm TL)
South Atlantic, Brazil, southern coast, 30–60 m, FV “Yamaya III”, longline
anonymous *leg.*, 2002, R.R.M. Souza *don.*, 12.vi.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 26895 (1) specimen, ♂ embr. (504 mm DW, 882 mm TL)
South Atlantic, 28°17'S, 46°38'W–39°42'S, 49°52'W, 30–60 m, FV “Yamaya III”, longline
P.N. França *leg.*, x.2002, P.N. França *don.*, viii.2002, J.M.R. Soto *det.*, 02.xii.2002

***Myliobatis aquila* (Linnaeus, 1758)**

MOVI 25303 (formerly MCTA) (1) specimen, ♀ immat. (311 mm DW)
North Atlantic, Spain, Cape Fisterre, Piedra del Sur, 42°48'30"N, 09°36'30"W, 510 m, FV “Mercedes III”, bottom trawl
anonymous *leg.*, vi.2000, J. Ribé-L. *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Myliobatis californica* Gill, 1865**

MOVI 31004–31005 (formerly CAS 218665) (2) specimens, ♂ (150 mm DW, 299 mm TL) and ♀ (146 mm DW, 289 mm TL)
North Pacific, USA, California, Elkhorn Slough
anonymous *leg.*, 05.vi.1953, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Myliobatis freminvillii* LeSueur, 1824**

MOVI 24311 (1) specimen, ♀ (695 mm DW)
South Atlantic, Brazil, RS, 32°52.928'S, 50°31.138'W–32°47.621'S, 50°30.609'W, 120–122 m, FV “Saga de Viking”, bottom trawl
M.B. Souza-Filho *leg.*, 05.viii.2002, M.B. Souza-Filho *don.*, 08.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24845 (formerly LEAM) (1) specimen, ♂ mat. (612 mm DW)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24846 (formerly LEAM) (1) specimen, ♂ mat. (644 mm DW)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24847 (formerly LEAM 77) (1) specimen, ♂ mat. (700 mm DW)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24848–24849 (formerly LEAM) (2) specimens, ♂ mat. (1045–1063 mm DW)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24854 (formerly LEAM) (1) specimen, ♀ mat. (602 mm DW)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24862 (formerly LEAM 91) (1) specimen, ♀ mat. (844 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24864 (formerly LEAM) (1) specimen, ♀ mat. (587 mm DW)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24873 (formerly LEAM 72) (1) specimen, ♀ mat. (636 mm DW)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980's, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

***Myliobatis goodei* Garman, 1885**

MOVI 01936 (formerly MCNC) (1) specimen, ♀ embr. (162 mm DW)
South Atlantic, Brazil, RS, 6 km off Imbé, 8 m, FV “Laureano IV”, gillnet
J.M.R. Soto *leg.*, 4.i.1991, J.M.R. Soto *don.*, 4.i.1991, J.M.R. Soto *det.*, 25.ix.1994

MOVI 05941 (1) specimen, ♀ (620 mm DW)
South Atlantic, Brazil, SC, coast of Barra Velha, gillnet
anonymous *leg.*, 11.iii.1994, R.C. Mazzoleni & A. H. Roman *don.*, 11.iii.1994, J.M.R. Soto *det.*, 26.iii.1998

MOVI 23017 (1) specimen, ♀ (740 mm DW)
South Atlantic, Brazil, RS, 32°00.449'S, 50°10.677'W–31°48.070'S, 50°08.641'W, 160 m, FV “Sambaqui III”, bottom trawl
C.E.N. Consulim *leg.*, 21.v.2002, C.E.N. Consulim *don.*, 23.v.2002, J.M.R. Soto *det.*, 10.vii.2002

MOVI 24857 (formerly LEAM) (1) specimen, ♂ mat. (578 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24858 (formerly LEAM) (1) specimen, ♂ immat. (404 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24859 (formerly LEAM) (1) specimen, ♂ mat. (538 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24860 (formerly LEAM) (1) specimen, ♂ mat. (590 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24861 (formerly LEAM) (1) specimen, ♂ mat. (539 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24863 (formerly LEAM) (1) specimen, ♂ mat. (585 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24865 (formerly LEAM) (1) specimen, ♂ mat. (611 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24866 (formerly LEAM) (1) specimen, ♀ mat. (670 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24868–24869 (formerly LEAM) (2) specimens, ♀ immat. (250–426 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24871 (formerly LEAM) (1) specimen, ♂ immat. (499 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24874 (formerly LEAM) (1) specimen, ♀ immat. (375 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24875 (formerly LEAM) (1) specimen, ♀ mat. (513 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24876–24877 (formerly LEAM 74) (2) specimens, 1 ♂ mat. (510 mm DW) and 1 ♀ (456 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24879 (formerly LEAM 91) (1) specimen, ♀ mat. (780 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

MOVI 24880–24882 (formerly LEAM) (3) specimens, 2 ♂ (409–417 mm DW) and 1 ♀ (695 mm DW)
South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 01.x.2002

***Myliobatis* sp.**

MOVI 00271 (formerly MCNC) (1) specimen, ♀ embr. (332 mm DW)
South Atlantic, Brazil, RS, 15–70 km off Querência, 15–70 m, FV “Conquistador”, bottom gillnet
J.M.R. Soto *leg.*, 11–22.ii.1988, J.M.R. Soto *don.*, 22.ii.1988, J.M.R. Soto *det.*, 29.x.2002

MOVI 05940 (1) specimen, ♀ (475 mm DW)
South Atlantic, Brazil, SC, coast of Barra Velha, gillnet

anonymous *leg.*, 11.iii.1994, R.C. Mazzoleni & A.H. Roman *don.*, 11.iii.1994, J.M.R. Soto *det.*, 29.x.2002

MOVI 24551 (formerly LEAM) (1) specimen, ♀ (659 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24552 (formerly LEAM) (1) specimen, ♀ (487 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24553 (formerly LEAM) (1) specimen, ♂ mat. (545 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24554 (formerly LEAM 30) (1) specimen, ♀ (678 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24555 (formerly LEAM) (1) specimen, ♀ mat. (765 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24556 (formerly LEAM) (1) specimen, ♀ mat. (726 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24850–24852 (formerly LEAM) (3) specimens, ♀ embr. (182–196 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24853 (formerly LEAM 73) (1) specimen, ♂ mat. (450 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, RV “Atlântico Sul”
anonymous *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24855 (formerly LEAM) (1) specimen, ♂ mat. (409 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24856 (formerly LEAM) (1) specimen, ♀ immat. (479 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24867 (formerly LEAM) (1) specimen, ♀ immat. (221 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24870 (formerly LEAM) (1) specimen, ♂ mat. (574 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24872 (formerly LEAM 134) (1) specimen, ♀ immat. (245 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24878 (formerly LEAM 74) (1) specimen, ♀ (642 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

MOVI 24883–24885 (formerly LEAM) (3) specimens, 2 ♂ (525–524 mm DW) and 1 ♀ (452 mm DW)

South Atlantic, Brazil, coast of Rio Grande do Sul State, 20–60 m, FV “Caribe”, bottom trawl
anonymous *leg.*, 18–30.ix.2000, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 18.ix.2002

***Pteromylaeus bovinus* (Geoffroy Saint-Hilaire, 1817)**

MOVI 16041 (formerly MCTA 00194) (1) jaws, SU (DWU)
Mediterranean Sea, Italy, west coast
anonymous *leg.*, 1990, J. Ribé-L. *don.*, 08.iv.2000, J. Ribé-L. *det.*, 08.iv.2000

***Rhinoptera bonasus* (Mitchill, 1815)**

MOVI 01980 (1) specimen, ♂ immat. (778 mm DW, 1034 mm TL)
South Atlantic, Brazil, SC, Barra Velha, gillnet
R.C. Mazzoleni & A.H. Roman *leg.*, 21.xi.1993, R.C. Mazzoleni & A.H. Roman *don.*, 21.xi.1993, R.C. Mazzoleni *det.*, 16.x.1994

MOVI 15098 (1) specimen, ♀ mat. (785 mm DW, 1064 mm TL)
South Atlantic, Brazil, SC, São Francisco do Sul, Babitonga bay
M. Hostim-Silva *leg.*, iv.1995, M. Hostim-Silva *don.*, ix.1999, J.M.R. Soto *det.*, 16.iii.2000

***Rhinoptera brasiliensis* Müller, 1836**

MOVI 01930 (1) specimen, ♂ newborn (262 mm DW, 465 mm TL)
South Atlantic, Brazil, SC, 2 km off Barra Velha, gillnet
R.C. Mazzoleni & A.H. Roman *leg.*, 21.xi.1993, R.C. Mazzoleni & A.H. Roman *don.*, xi.1993, R.C. Mazzoleni *det.*, 25.ix.1994

MOVI 03944 (1) specimen, ♂ immat. (783 mm DW, 767 mm TL)
South Atlantic, Brazil, SC, Penha, Armação de Itapocoroy beach
A.C. Marenzi *leg.*, iii.1994, A.C. Marenzi *don.*, 16.iii.1994, J.M.R. Soto *det.*, 07.iii.1995

MOVI 24749 (formerly LEAM 70) (1) specimen, ♀ (475 mm DW, 672 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24750 (formerly LEAM 31) (1) specimen, ♀ (571 mm DW, 808 mm TL)
South Atlantic, Brazil, RS, Rio Grande, Cassino beach, RV “Atlântico Sul”, haul seine
C.M. Vooren *leg.*, 10.ii.1981, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

MOVI 24751–24752 (formerly LEAM) (2) specimens, 1 ♂ (445 mm DW, 380 mm TL) and 1 ♀ (495 mm DW, 395 mm TL)
South Atlantic, Brazil, RS, off Rio Grande do Sul State, RV “Atlântico Sul”
C.M. Vooren *leg.*, 1980’s, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 22.ix.2002

Family UROLOPHIDAE

***Urobatis jamaicensis* (Cuvier, 1816)**

MOVI 31000 (formerly SU 4902) (1) specimen, ♂ (70 mm DW, 125 mm TL)
Caribbean Sea, Jamaica
J.S. Roberts *leg.*, unknown, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

***Urotrygon aspidura* (Jordan & Gilbert, 1882)**

MOVI 31061 (formerly CAS) 51835 (2) specimens, ♂ (128 mm DW, 234 mm TL) and ♀ (221 mm DW, 427 mm TL)
North Pacific, Panama, Panama Bay, Punta Chama & Punta Anton
E.S. Reese *leg.*, 06–09.ix.1958, T. Iwamoto *don.*, 02.xii.2003, T. Miyake *det.*, 1988

***Urotrygon microphthalmum* Delsman, 1941**

MOVI 24588 (formerly LEAM 142) (1) specimen, ♂ immat. (72 mm DW, 160 mm TL)
North Atlantic, Brazil, AP, off Amapá State, 50 m
anonymous *leg.*, i–ii.1981, C.M. Vooren *don.*, 18.ix.2002, J.M.R. Soto *det.*, 21.ix.2002

MOVI 36939 (formerly USNM 222697) (1) specimen, ♂ (105 mm DW, 227 mm TL)
North Atlantic, Brazil, 01°25’N, 48°15’W, 29–30.2 m, “Oregon II”
B.B. Collette *leg.*, 11.v.1975, J.T. Williams *don.*, 12.v.2004
Remarks: original lot with 5 specimens.

Family POTAMOTRYGONIDAE

***Potamotrygon brachyura* (Günther, 1880)**

MOVI 31307 (1) photograph, SU (430 mm DW, 560 mm TL)

Uruguay, Salto, Termas de Arapey, 1–2 m, gillnet

R.C.P. Beheregaray leg., ii.1999, R.C.P. Beheregaray don., ii.2000, J.M.R. Soto det., 20.ii.2000

***Potamotrygon henlei* (Castelnau, 1855)**

MOVI 16422 (1) specimen, ♂ embr. (115 mm DW, 223 mm TL)

Brazil, PA, Jacundá, Saúde, Tocantins river, Tucuruí dam, hand line

G. Rincón-Filho leg., xi–xii.1998, G. Rincón-Filho don., 03.xi.2000, G. Rincón-Filho det., 03.xi.2000

Remarks: taken from a 908 mm TL female.

***Potamotrygon hystrix* (Müller & Henle, 1834)**

MOVI 01167 (formerly MCNC) (1) specimen, ♂ immat. (195 mm DW, 398 mm TL)

Brazil, RS, Itaqui, Uruguai river

D.C. Vega leg., 1984, J.M.R. Soto don., 29.i.1987, J.M.R. Soto det., 12.x.2001

Class HOLOCEPHALI

Order CHIMAERIFORMES

Family CALLORHINCHIDAE

***Callorhynchus callorynchus* (Linnaeus, 1758)**

MOVI 00106 (formerly MCNC) (1) specimen, ♀ mat. (PCU)

South Atlantic, Brazil, RS, 20 km off Imbé, 18 m, gillnet

anonymous leg., vii.1988, J.M.R. Soto don., vii.1988, J.M.R. Soto det., 20.vi.1991

MOVI 01336–01337 (formerly MCNC) (2) egg capsules (166–167 mm TL)

South Atlantic, Brazil, RS, 35 km off Santa Vitória do Palmar, 30–40 km, bottom trawl

anonymous leg., i.1985, J.M.R. Soto don., 29.i.1987, J.M.R. Soto det., 20.viii.1992

MOVI 01925 (1) specimen, ♀ immat. (PCU)

South Pacific, Chile, Rocas, 1 mile off Santo Domingo, 33°37'S, 18 m

J.M.R. Soto leg., 26.ii.1994, J.M.R. Soto don., iii.1994, J.M.R. Soto det., 25.ix.1994

Remarks: specimen donated to MCTA.

MOVI 04445 (1) specimen, ♀ (382 mm PC)

South Atlantic, Brazil, RS, 30–40 km off Mostardas, 35 m

anonymous leg., iii.1995, R.C. Mazzoleni don., iii.1995, J.M.R. Soto det., 11.iv.1995

MOVI 04598–04604 (7) egg capsules (approx. 220 mm TL)

South Atlantic, Argentina, Chubut, Puerto Madryn

J.M.R. Soto et al. leg., 24–27.i.1995, J.M.R. Soto et al. don., 01.ii.1995, J.M.R. Soto det., 17.iv.1995

MOVI 05112 (1) specimen, ♀ mat. (521 mm PC)

South Atlantic, Brazil, RS, Santa Vitória do Palmar, 30 km off Chuí, 35–37 m

anonymous leg., 1995, J. Pereira don., 14.vi.1995, R.C. Mazzoleni det., 14.vi.1995

MOVI 05926 (1) specimen, ♀ mat. (592 mm PC)

South Atlantic, Brazil, SC, coast of Laguna

anonymous leg., viii.1996, V.M. Inêz don., viii.1996, J.M.R. Soto det., 27.vi.1997

MOVI 08692 (1) specimen, ♀ (524 mm PC)

South Atlantic, Brazil, RS, Chuí, Albardão, 20–70 m, FV “Caribe II” and “Caribe III”, trawl

anonymous leg., vi.1997, P.R. Santos don., 23.vi.1997, J.M.R. Soto det., 23.vi.1997

MOVI 30900 (formerly LEAM) (1) specimen, ♂ mat. (691 mm TL)

South Atlantic, Brazil, RS, Chuí, Albardão, 20–70 m, FV “Caribe II” and “Caribe III”, trawl

M.D. Gianeti & F. Lamonaca leg., 26.v.2003, C.M. Vooren don., 01.xii.2003, J.M.R. Soto det., 01.xii.2003

Family CHIMAERIDAE

***Chimaera monstrosa* Linnaeus, 1758**

MOVI 16009–16010 (formerly MCTA) (2) specimens, 1 ♂ (210 mm PC) and 1 ♀ (214 mm PC)
Mediterranean Sea, Spain, Barcelona, coast of Serola, 600–800 m, FV “Maireta II”, bottom trawl
J. Martin-Reyes *leg.*, xii.1999, J. Ribé-L. *don.*, 08.iv.2000, J.M.R. Soto *det.*, 08.v.2000
Remarks: specimen 16009 donated to MPEG.

MOVI 16718 (formerly MCTA) (1) specimen, ♂ mat. (424 mm PC)
North Atlantic, Spain, Galicia, Pedra del Sur, 42°48'30"N, 09°36'30"W, 501 m, FV “Mercedes III”
anonymous *leg.*, ii.2000, J. Ribé-L. *don.*, 21.v.2001, J. Ribé-L. *det.*, i.2000

MOVI 25302 (1) specimen, ♀ immat. (232 mm PC)
Mediterranean Sea, Spain, Serola, 41°11'30"N, 02°29'15"W–41°09'15"N, 02°15'48"W, 740–805 m, FV “Maireta II”, bottom trawl
anonymous *leg.*, 23.ii.2000, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

MOVI 25307 (1) Cranium and jaws, SU (PCU)
Mediterranean Sea, Spain, Serola, 41°11'30"N, 02°29'15"W–41°09'15"N, 02°15'48"W, 740–805 m, FV “Maireta II”, bottom trawl
anonymous *leg.*, 23.ii.2000, J. Ribé-L. & J.M.R. Soto *don.*, 13.x.2002, J. Ribé-L. *det.*, 28.ix.2002

***Hydrolagus alberti* Bigelow & Schroeder, 1951**

MOVI 36941 (formerly USNM 222765) (1) specimen, ♀ (314 mm TL)
North Atlantic, USA, off Texas, 26°23'N, 96°17'W, 384 m, “Oregon”
anonymous *leg.*, 13.iv.1964, J.T. Williams *don.*, 12.v.2004
Remarks: original lot with 4 specimens.

***Hydrolagus coliei* (Lay & Bennett, 1839)**

MOVI 31059 (formerly CAS 37509) (1) specimen, ♀ (232 mm TL)
North Pacific, USA, California, Monterey, 36°29'12"N, 122°00'12"W–36°27'36"N, 121°59'42"W, 110–120 fm [201–220 m],
RV “John N. Cobb”
W.N. Eschmeyer *leg.*, 07.viii.1976, T. Iwamoto *don.*, 02.xii.2003, K.R. Hakanson *det.*, 25.viii.1976

MOVI 31060 (formerly CAS 12666) (1) specimen, ♀ (485 mm TL)
North Pacific, USA, Puget Sound
B. Dean *leg.*, 1896–1899, T. Iwamoto *don.*, 02.xii.2003, M.M. Mincarone *det.*, 02.xii.2003

MOVI 36943 (formerly USNM 125058) (1) specimen, ♀ (208 mm TL)
North Atlantic, USA, Gulf of Georgia, 48°58'N, 123°10'W, 123 m, “Albatross”
anonymous *leg.*, date unknown, J.T. Williams *don.*, 12.v.2004
Remarks: original lot with 4 specimens.

***Hydrolagus matallanasi* Soto & Vooren, 2004**

MOVI 24291–24294 [Paratypes] (4) specimens, ♀ mat. (268–347 mm PC)
South Atlantic, Brazil, RJ, 24°01'54"S, 42°38'48"W, 736 m, FV “Nuevo Apenino”, bottom trawl
anonymous *leg.*, 11.iii.2002, P.R. Schwingel *don.*, 16.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24295 [Paratype] (1) specimen, ♀ mat. (353 mm PC)
South Atlantic, Brazil, RJ, 23°47'10"S, 41°49'46"W, 518 m, FV “South Coast”, bottom gillnet
N.P. Souza *leg.*, 16.ix.2001, R.C. Mazzoleni *don.*, 16.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24296–24297 [Paratypes] (2) specimens, 1 ♂ mat. (302 mm PC), 1 ♀ mat. (280 mm PC)
South Atlantic, Brazil, RJ, 23°42'00"S, 42°07'03"W, 419 m, FV “Nuevo Apenino”, bottom trawl
anonymous *leg.*, 03.xii.2001, P.R. Schwingel *don.*, 16.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24298–24301 [Paratypes] (4) specimens, ♂ mat. (239–278 mm PC)
South Atlantic, Brazil, RJ, 23°44'19"S, 41°53'31"W, 416 m, FV “Cipi”, bottom trawl
anonymous *leg.*, 26.xii.2001, P.R. Schwingel *don.*, 16.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24302 (formerly LEAM) [Paratype] (1) specimen, ♀ mat. (271 mm PC)

South Atlantic, Brazil, SC, 30°17'06"S, 47°56'59"W, 449 m, RV "Atlântico Sul", bottom trawl
C.M. Vooren *leg.*, 10.ix.2001, C.M. Vooren *don.*, 09.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

MOVI 24303 (formerly LEAM) [HOLOTYPE] (1) specimen, ♂ mat. (296 mm PC)
South Atlantic, Brazil, SC, 29°52'05"S, 47°48'23"W, 517 m, RV "Atlântico Sul", bottom trawl
C.M. Vooren *leg.*, 10.ix.2001, C.M. Vooren *don.*, 09.viii.2002, J.M.R. Soto *det.*, 16.viii.2002
Remarks: additional paratypes are catalogued as NUPEC 1782–1787 (6).

MOVI 24304–24305 (formerly LEAM) [Paratypes] (2) specimens, ♂ mat. (234–277 mm PC)
South Atlantic, Brazil, SC, 29°52'05"S, 47°48'23"W, 517 m, RV "Atlântico Sul", bottom trawl
C.M. Vooren *leg.*, 10.ix.2001, C.M. Vooren *don.*, 09.viii.2002, J.M.R. Soto *det.*, 16.viii.2002

Table 2. List of type specimens deposited in the fish collection at MOVI.

<i>Eptatretus fritzi</i> Wisner & McMillan, 1990	Paratypes	MOVI 27528–27529 (formerly SIO 68-664) (2)
<i>Eptatretus menezesi</i> Mincarone, 2000	Holotype	MOVI 14729 (1)
	Paratype	MOVI 06081 (1)
	Paratype	MOVI 06084 (1)
	Paratype	MOVI 13347 (1)
	Paratype	MOVI 13349 (1)
	Paratype	MOVI 14730 (1)
<i>Myxine sotoi</i> Mincarone, 2001	Holotype	MOVI 14961 (1)
	Paratypes	MOVI 14936–14941 (6)
	Paratypes	MOVI 14950–14960 (11)
<i>Galeus mincaronei</i> Soto, 2001	Holotype	MOVI 00147 (1)
	Paratypes	MOVI 00090, 00091, 00146 (3)
<i>Schroederichthys saurissqualus</i> Soto, 2001	Holotype	MOVI 05949 (1)
	Paratype	MOVI 00160 (1)
	Paratype	MOVI 00096 (1)
	Paratypes	MOVI 00095, 00098–00099 (3)
	Paratype	MOVI 10199 (1)
<i>Squatina occulta</i> Vooren & da Silva, 1991	Holotype	MOVI 10195 (formerly MOFURG 06589) (1)
<i>Benthobatis krefftii</i> Rincon, Stehmann & Vooren, 2001	Paratype	MOVI 10210 (1)
<i>Dipturus diehli</i> Soto & Mincarone, 2001	Holotype	MOVI 08494 (1)
<i>Hydrolagus matallanasi</i> Soto & Vooren, 2004	Holotype	MOVI 24303 (1)
	Paratypes	MOVI 24304–24305 (2)
	Paratypes	MOVI 24291–24294 (4)
	Paratype	MOVI 24295 (1)
	Paratypes	MOVI 24296–24297 (2)
	Paratypes	MOVI 24298–24301 (4)
	Paratype	MOVI 24302 (1)

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<i>Pristis pristis</i>	86	<i>Rioraja</i>	100
<i>pristis Pristis</i>	86	<i>Rioraja agassizii</i>	100
<i>productus Rhinobatos</i>	91	<i>rostratus Somniosus</i>	71
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<i>Psammobatis extenta</i>	97	<i>say Dasyatis</i>	105
<i>Psammobatis lentiginosa</i>	98	<i>schmitti Mustelus</i>	42
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		<i>Scymnodon</i>	71
Q		<i>Scymnodon obscurus</i>	71
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