

Supplementary Data 1

Presence of 42 bivalve species in 43 Quaternary sites along the temperate Pacific coast of South America (i.e., species still inhabiting the region between 15°S and 30°S).

Subclass	Order	Family	Genus	Species
Pteriomorpha	Arcoida	Arcidae	Acar	gradata
Pteriomorpha	Arcoida	Arcidae	Acar	pusilla
Pteriomorpha	Ostreoida	Pectinidae	Argopecten	purpurata
Pteriomorpha	Mytiloida	Mytilidae	Aulacomya	atra
Pteriomorpha	Mytiloida	Mytilidae	Brachidontes	granulata
Heterodonta	Veneroida	Condylocardiidae	Carditella	tegulata
Heterodonta	Veneroida	Chamidae	Chama	pellucida
Heterodonta	Veneroida	Donacidae	Chion	obesulus
Pteriomorpha	Mytiloida	Mytilidae	Choromytilus	chorus
Heterodonta	Veneroida	Semelidae	Cumingia	mutica
Heterodonta	Veneroida	Carditidae	Cyclocardia	spurca
Heterodonta	Veneroida	Ungulinidae	Diplodonta	inconspicua
Heterodonta	Veneroida	Donacidae	Donax	aricana
Heterodonta	Veneroida	Pharidae	Ensis	macha
Heterodonta	Veneroida	Veneridae	Eurhomalea	lenticularis
Heterodonta	Veneroida	Veneridae	Eurhomalea	rufa
Heterodonta	Veneroida	Psammobiidae	Gari	solida
Pteriomorpha	Arcoidea	Glycymeridae	Glycymeris	ovatus
Heterodonta	Veneroida	Erycinidae	Lasaea	petitiana
Heterodonta	Veneroida	Veneridae	Lirophora	peruviana
Heterodonta	Veneroida	Veneridae	Macrocallista	pannosa
Heterodonta	Veneroida	Mactridae	Mactroderma	velata
Heterodonta	Veneroida	Mesodesmatidae	Mesodesma	donacium
Heterodonta	Veneroida	Mactridae	Mulinia	bicolor
Heterodonta	Veneroida	Mactridae	Mulinia	edulis
Pteriomorpha	Mytiloida	Mytilidae	Perumytilus	purpuratus
Heterodonta	Veneroida	Petricolidae	Petricolirus	rugosa
Heterodonta	Veneroida	Veneridae	Pitar	inconspicua
Heterodonta	Veneroida	Veneridae	Planitivela	planulata
Heterodonta	Veneroida	Veneridae	Protothaca	thaca
Heterodonta	Veneroida	Mactridae	Raeta	undulata
Heterodonta	Veneroida	Veneridae	Retrotapes	exalbidus
Protobranchia	Nuculoida	Nuculanidae	Saccula	cuneata
Heterodonta	Veneroida	Semelidae	Semele	corrugata
Heterodonta	Veneroida	Semelidae	Semele	elliptica
Heterodonta	Veneroida	Semelidae	Semele	solida
Pteriomorpha	Mytiloida	Mytilidae	Semimytilus	algius
Heterodonta	Veneroida	Solecurtidae	Tagelus	dombeii
Heterodonta	Veneroida	Veneridae	Tawera	gayi
Heterodonta	Myoida	Pholadidae	Thovana	chiloensis
Heterodonta	Veneroida	Veneridae	Tropithaca	grata
Heterodonta	Veneroida	Veneridae	Venus	antiqua

Sources

rica. Only non-extralimital species are included

Sources	1	1	1	1	2	2	2	2	2, 3	2	4
Longitude (°W)	75°10'	74°46'	71°15'	71°15'	70°10'	70°09'	70°09'	70°11'	70°11'	70°10'	70°17'
Latitude (°S)	15°20'	15°30'	17°40'	17°45'	20°10'	20°20'	20°26'	20°35'	20°45'	20°55'	22°35'
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4	5, 6	7	7	7	7	7	6, 7, 8	8	4, 9	7	4	4
70°17'	70°15'	70°17'	70°17'	70°17'	70°17'	70°25'	70°25'	70°25'	70°20'	70°25'	70°28'	70°28'
22°40'	22°55'	22°56'	22°57'	22°58'	23°00'	23°04'	23°05'	23°25'	23°30'	23°33'	23°37'	23°40'
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4, 7	4, 7	2	2	2	2	2	8, 10	6	6	6	8, 11	2
70°25'	70°28'	70°47'	70°47'	70°47'	70°47'	70°55'	70°47'	70°47'	71°20'	71°20'	71°17'	71°17'
23°42'	23°45'	26°58'	27°00'	27°05'	27°07'	27°09'	27°30'	27°35'	29°30'	29°37'	29°48'	29°49'
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71°17'	71°17'	71°17'	71°28'	71°32'	71°35'
29°50'	29°57'	29°58'	30°16'	30°17'	30°18'
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