

Taxon	Lysis	Marker	First Pass Primers	Second Pass Primer
Bivalvia	CTAB	COI-5P	BivF4_t1 + BivR1_t1	dgLCO-1490 + dgHCO-2198
Gastropoda	CTAB	COI-5P	C_GasF1_t1 + GasR1_t1	PCR1: [C_GasF1_t1 + MGasR1_t1] PCR2: [MGasF1_t1 + GasR1_t1]
Cnidaria	CTAB	COI-5P	C_LepFolF + C_LepFolR	R&D Primers
Mollusca	CTAB	COI-5P	dgLCO-1490 + dgHCO-2198	LCO1490_t1 + HCO2198_t1
Porifera	CTAB	COI-5P	dgLCO-1490 + dgHCO-2198	R&D Primers
Algae	CTAB	COI-5P	GHalF + GazR1	GWSFn + GWSRn
Cephalopoda	CTAB	COI-5P	LCO1490_t1 + HCO2198_t1	
Echinodermata	CTAB	COI-5P	LCOech1aF1 + HCO2198	EchinoF1 + HCO2198
Bryozoa, Ascidiacea	CTAB	COI-5P	R&D Primers	
Hemiptera	invert	COI-5P	LepF2_t1 + LepR1	PCR1:[LepF2_t1 + MHemR] PCR2:[MHemR + LepR1]
Nematoda	invert	COI-5P	C_NemF1_t1 + C_NemR1_t1	MNemF1_t1 + C_NemR1_t1
Odonata	invert	COI-5P	OdoF1_t1 + OdoR1_t1	C_LepFolF + C_LepFolR
Platyhelminthes	invert	COI-5P	plat-diploCOX1F + plat-diploCOX1R	MplatCOX1dF + MplatCOX1dR
Polychaeta	invert	COI-5P	polyLCO + polyHCO	C_VF1LFt1 + C_VR1LRt1
Rotifera, Tardigrada	invert	COI-5P	LCO1490_t1 + HCO2198_t1	
Zooplankton (+ small crustaceans)	invert	COI-5P	ZplankF1_t1 + ZplankR1_t1	LCO1490_t1 + HCO2198_t1
Hymenoptera	invert	COI-5P	LepF1 + LepR1	PCR1:[LepF1 + C_ANTMR1D] PCR2:[RonMWASPdeg_t1 + LepR1]
Lepidoptera	invert	COI-5P	LepF1 + LepR1	PCR1:[LepF1 + MLepR2] PCR2:[MLepF1 + LepR1]
Other invertebrates	invert	COI-5P	C_LepFolF + C_LepFolR	PCR1: [C_LepFolF + MLepR2] PCR2: [MLepF1 + C_LepFolR]
Amphibia + Reptilia	vert	COI-5P	AmphF2_t1 + AmphR3_t1	C_VF1LFt1 + C_VR1LRt1
Aves	vert	COI-5P	BirdF1_t1 + COIbirdR2_t1	LTyr + COI908aH2
Fish	vert	COI-5P	C_FishF1t1 + C_FishR1t1	C_VF1LFt1 + C_VR1LRt1
Mammalia	vert	COI-5P	C_VF1LFt1 + C_VR1LRt1	C_FishF1t1 + C_FishR1t1
Fungi: Ascomycetes, Lichen	CTAB	ITS	ITS5 + ITS4	
Fungi: Basidiomycetes	CTAB	ITS	ITS1-F + ITS4	
Plantae	CTAB	rbcl, matK	rbclA-F + rbclA-R	MatK-1RKIM-f + MatK-3FKIM-r

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Bivalvia	CTAB	COI-5P	BivF4_t1 + BivR1_t1	dgLCO-1490 + dgHCO-2198
Gastropoda	CTAB	COI-5P	C_GasF1_t1 + GasR1_t1	PCR1: [C_GasF1_t1 + MGasR1_t1] PCR2: [MGasF1_t1 + GasR1_t1]
Cnidaria	CTAB	COI-5P	C_LepFolF + C_LepFolR	R&D Primers
Mollusca	CTAB	COI-5P	dgLCO-1490 + dgHCO-2198	LCO1490_t1 + HCO2198_t1
Porifera	CTAB	COI-5P	dgLCO-1490 + dgHCO-2198	R&D Primers
Algae	CTAB	COI-5P	GHalF + GazR1	GWSFn + GWSRn
Cephalopoda	CTAB	COI-5P	LCO1490_t1 + HCO2198_t1	
Echinodermata	CTAB	COI-5P	LCOech1aF1 + HCO2198	EchinoF1 + HCO2198
Bryozoa, Ascidiacea	CTAB	COI-5P	R&D Primers	
Hemiptera	invert	COI-5P	LepF2_t1 + LepR1	PCR1:[LepF2_t1 + MHemR] PCR2:[MHemR + LepR1]
Nematoda	invert	COI-5P	C_NemF1_t1 + C_NemR1_t1	MNemF1_t1 + C_NemR1_t1
Odonata	invert	COI-5P	OdoF1_t1 + OdoR1_t1	C_LepFolF + C_LepFolR
Platyhelminthes	invert	COI-5P	plat-diploCOX1F + plat-diploCOX1R	MplatCOX1dF + MplatCOX1dR
Polychaeta	invert	COI-5P	polyLCO + polyHCO	C_VF1LFt1 + C_VR1LRt1
Rotifera, Tardigrada	invert	COI-5P	LCO1490_t1 + HCO2198_t1	
Zooplankton (+ small crustaceans)	invert	COI-5P	ZplankF1_t1 + ZplankR1_t1	LCO1490_t1 + HCO2198_t1
Hymenoptera	invert	COI-5P	LepF1 + LepR1	PCR1:[LepF1 + C_ANTMR1D] PCR2:[RonMWASPdeg_t1 + LepR1]
Lepidoptera	invert	COI-5P	LepF1 + LepR1	PCR1:[LepF1 + MLepR2] PCR2:[MLepF1 + LepR1]
Other invertebrates	invert	COI-5P	C_LepFolF + C_LepFolR	PCR1: [C_LepFolF + MLepR2] PCR2: [MLepF1 + C_LepFolR]
Amphibia + Reptilia	vert	COI-5P	AmphF2_t1 + AmphR3_t1	C_VF1LFt1 + C_VR1LRt1
Aves	vert	COI-5P	BirdF1_t1 + COIbirdR2_t1	LTyr + COI908aH2
Fish	vert	COI-5P	C_FishF1t1 + C_FishR1t1	C_VF1LFt1 + C_VR1LRt1
Mammalia	vert	COI-5P	C_VF1LFt1 + C_VR1LRt1	C_FishF1t1 + C_FishR1t1
Fungi: Ascomycetes, Lichen	CTAB	ITS	ITS5 + ITS4	
Fungi: Basidiomycetes	CTAB	ITS	ITS1-F + ITS4	
Plantae	CTAB	rbcl, matK	rbclA-F + rbclA-R	MatK-1RKIM-f + MatK-3FKIM-r

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Bivalvia	CTAB	COI-5P	BivF4_t1 + BivR1_t1	dgLCO-1490 + dgHCO-2198
Gastropoda	CTAB	COI-5P	C_GasF1_t1 + GasR1_t1	PCR1: [C_GasF1_t1 + MGasR1_t1] PCR2: [MGasF1_t1 + GasR1_t1]
Cnidaria	CTAB	COI-5P	C_LepFolF + C_LepFolR	R&D Primers
Mollusca	CTAB	COI-5P	dgLCO-1490 + dgHCO-2198	LCO1490_t1 + HCO2198_t1
Porifera	CTAB	COI-5P	dgLCO-1490 + dgHCO-2198	R&D Primers
Algae	CTAB	COI-5P	GHalF + GazR1	GWSFn + GWSRn
Cephalopoda	CTAB	COI-5P	LCO1490_t1 + HCO2198_t1	
Echinodermata	CTAB	COI-5P	LCOech1aF1 + HCO2198	EchinoF1 + HCO2198
Bryozoa, Ascidiacea	CTAB	COI-5P	R&D Primers	
Hemiptera	invert	COI-5P	LepF2_t1 + LepR1	PCR1:[LepF2_t1 + MHemR] PCR2:[MHemR + LepR1]
Nematoda	invert	COI-5P	C_NemF1_t1 + C_NemR1_t1	MNemF1_t1 + C_NemR1_t1
Odonata	invert	COI-5P	OdoF1_t1 + OdoR1_t1	C_LepFolF + C_LepFolR
Platyhelminthes	invert	COI-5P	plat-diploCOX1F + plat-diploCOX1R	MplatCOX1dF + MplatCOX1dR
Polychaeta	invert	COI-5P	polyLCO + polyHCO	C_VF1LFt1 + C_VR1LRt1
Rotifera, Tardigrada	invert	COI-5P	LCO1490_t1 + HCO2198_t1	
Zooplankton (+ small crustaceans)	invert	COI-5P	ZplankF1_t1 + ZplankR1_t1	LCO1490_t1 + HCO2198_t1
Hymenoptera	invert	COI-5P	LepF1 + LepR1	PCR1:[LepF1 + C_ANTMR1D] PCR2:[RonMWASPdeg_t1 + LepR1]
Lepidoptera	invert	COI-5P	LepF1 + LepR1	PCR1:[LepF1 + MLepR2] PCR2:[MLepF1 + LepR1]
Other invertebrates	invert	COI-5P	C_LepFolF + C_LepFolR	PCR1: [C_LepFolF + MLepR2] PCR2: [MLepF1 + C_LepFolR]
Amphibia + Reptilia	vert	COI-5P	AmphF2_t1 + AmphR3_t1	C_VF1LFt1 + C_VR1LRt1
Aves	vert	COI-5P	BirdF1_t1 + COIbirdR2_t1	LTyr + COI908aH2
Fish	vert	COI-5P	C_FishF1t1 + C_FishR1t1	C_VF1LFt1 + C_VR1LRt1
Mammalia	vert	COI-5P	C_VF1LFt1 + C_VR1LRt1	C_FishF1t1 + C_FishR1t1
Fungi: Ascomycetes, Lichen	CTAB	ITS	ITS5 + ITS4	
Fungi: Basidiomycetes	CTAB	ITS	ITS1-F + ITS4	
Plantae	CTAB	rbcl, matK	rbclA-F + rbclA-R	MatK-1RKIM-f + MatK-3FKIM-r

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Bivalvia	CTAB	COI-5P	BivF4_t1 + BivR1_t1	dgLCO-1490 + dgHCO-2198
Gastropoda	CTAB	COI-5P	C_GasF1_t1 + GasR1_t1	PCR1: [C_GasF1_t1 + MGasR1_t1] PCR2: [MGasF1_t1 + GasR1_t1]
Cnidaria	CTAB	COI-5P	C_LepFolF + C_LepFolR	R&D Primers
Mollusca	CTAB	COI-5P	dgLCO-1490 + dgHCO-2198	LCO1490_t1 + HCO2198_t1
Porifera	CTAB	COI-5P	dgLCO-1490 + dgHCO-2198	R&D Primers
Algae	CTAB	COI-5P	GHalF + GazR1	GWSFn + GWSRn
Cephalopoda	CTAB	COI-5P	LCO1490_t1 + HCO2198_t1	
Echinodermata	CTAB	COI-5P	LCOech1aF1 + HCO2198	EchinoF1 + HCO2198
Bryozoa, Ascidiacea	CTAB	COI-5P	R&D Primers	
Hemiptera	invert	COI-5P	LepF2_t1 + LepR1	PCR1:[LepF2_t1 + MHemR] PCR2:[MHemR + LepR1]
Nematoda	invert	COI-5P	C_NemF1_t1 + C_NemR1_t1	MNemF1_t1 + C_NemR1_t1
Odonata	invert	COI-5P	OdoF1_t1 + OdoR1_t1	C_LepFolF + C_LepFolR
Platyhelminthes	invert	COI-5P	plat-diploCOX1F + plat-diploCOX1R	MplatCOX1dF + MplatCOX1dR
Polychaeta	invert	COI-5P	polyLCO + polyHCO	C_VF1LFt1 + C_VR1LRt1
Rotifera, Tardigrada	invert	COI-5P	LCO1490_t1 + HCO2198_t1	
Zooplankton (+ small crustaceans)	invert	COI-5P	ZplankF1_t1 + ZplankR1_t1	LCO1490_t1 + HCO2198_t1
Hymenoptera	invert	COI-5P	LepF1 + LepR1	PCR1:[LepF1 + C_ANTMR1D] PCR2:[RonMWASPdeg_t1 + LepR1]
Lepidoptera	invert	COI-5P	LepF1 + LepR1	PCR1:[LepF1 + MLepR2] PCR2:[MLepF1 + LepR1]
Other invertebrates	invert	COI-5P	C_LepFolF + C_LepFolR	PCR1: [C_LepFolF + MLepR2] PCR2: [MLepF1 + C_LepFolR]
Amphibia + Reptilia	vert	COI-5P	AmphF2_t1 + AmphR3_t1	C_VF1LFt1 + C_VR1LRt1
Aves	vert	COI-5P	BirdF1_t1 + COIbirdR2_t1	LTyr + COI908aH2
Fish	vert	COI-5P	C_FishF1t1 + C_FishR1t1	C_VF1LFt1 + C_VR1LRt1
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Fungi: Ascomycetes, Lichen	CTAB	ITS	ITS5 + ITS4	
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Mollusca	CTAB	COI-5P	dgLCO-1490 + dgHCO-2198	LCO1490_t1 + HCO2198_t1
Porifera	CTAB	COI-5P	dgLCO-1490 + dgHCO-2198	R&D Primers
Algae	CTAB	COI-5P	GHalF + GazR1	GWSFn + GWSRn
Cephalopoda	CTAB	COI-5P	LCO1490_t1 + HCO2198_t1	
Echinodermata	CTAB	COI-5P	LCOech1aF1 + HCO2198	EchinoF1 + HCO2198
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Odonata	invert	COI-5P	OdoF1_t1 + OdoR1_t1	C_LepFolF + C_LepFolR
Platyhelminthes	invert	COI-5P	plat-diploCOX1F + plat-diploCOX1R	MplatCOX1dF + MplatCOX1dR
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Fungi: Basidiomycetes	CTAB	ITS	ITS1-F + ITS4	
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