

Primer Pair Name	Target Species	Gene Target	Amplicon Length (no Adapters)	Forward Primer	Reverse Primer	Multiplex (third) Primer (F- is forward R- is reverse)
AllAmph12sRana_100+60	All Ranid frogs	12S	337	CAGTCTGTATACCTCCGTCGAAAGCT	CCAGTACACTTACCATGTTACGACTTGC	none
AllAmph12SSal_101+61	All salamanders	12S	406	CCVCCTAGAGGAGCCTGTCT	CCTCCGGTARRCTTACCATGTTACG	none
AllTeleost12s_63+64	All teleost fish	12S	240	GTCAGGTCGAGGTGTAGCGC	CATGTTACGACTTGCCTCCCT	none
AllChondrostei16S_116+117	All chondrostei fish	16S	335	ACGAGGGCTCAACTGTCTCT	CCTAGGGTAACTTGGTTCGTTGATCAG	none
AllPhytophthCytB_92+93	<i>Phytophthora</i> sp.	COI	261	GCATTTGGTATTATTAGTCAAGTTTCWGCAGC	AGGTGTTTCAAATTTAAWGAACCRCCC	none
UnivFlies16S_194+195	Many Aquatic Insects	16S	347	CCGTGCAAAGGTAGCATAATCATTAGTCT	AGAACTCTRAAAAAGATTACGCTGTTATCCC	none
UnivCrayfish16S_78+191	All Crayfish	16S	302	GGCTAGAATGAATGGTTGGACAAGAAATAATCTG	AGAACTCTYAAAAGAAATACGCTGTTATCCC	none
SaprolegniaCOI_134+135	<i>Saprolegnia</i> sp.	COI	353	GGTACTTTATATATGATTTTTGGTGCTTTTTCAGGT	GGTGGATATACAGTCCAACCAGTACC	none
BdChytridiITS_94+95	<i>Batrachochytrium dendrobatidis</i>	ITS	176	GGATCTCTTGCTCTCGCAACG	CATGGTTCATATCTGTCCAGTCAATTGG	none
WhiteNoseCOI_174+175	<i>Pseudogymnoascus destructans</i>	COI	290	GGTATATGCGATGATGTCTATTGGAGTTTTAGG	TGTCATGGAAGCGATATCAAGAGAAGC	none
AllSalamanders2018-12S_198+199	All salamanders	12S	399	AGCTTAAAYTCAAAGGACTTGRCGG	GRCTTACCWTGTTACGACTTTCCTYTCT	none
AllSEMussels_16S_200+201	All SE Mussels	16S	214	GHAGACGRAAAGACCCCGCG	GTCGCAAACCCAGCTTTCGAT	none
OuniOjac_COI_Hickorynut 203+204	<i>Obovaria unicolor</i> , <i>O. jacksoniana</i> and <i>Lampsilis ornata</i>	COI	213	CTTATRATTGGGGCTCCTGATATGGCT	AGCCAYACRAACAACGGAATCC	none
Ouni_ND2_Hickorynut 205+206	<i>Obovaria unicolor</i>	ND2	203	TACCAGCTTCTCAAACCTACCTACCC	AGAAATGGTTTGGGCTATGGCTCG	none
Lorn_ND1_Pocketbook 209+210	<i>Lampsilis ornata</i>	ND1	290	TGAACGCAAAGCCCTCGGG	CTGTTATGAGGGTTGTGTAGACGGC	none
Earc_COI_spike 211+212	<i>Elliptio arca</i> and <i>E. arctata</i>	COI	210	TAATGTGATTGTGACGGCACATGC	CCCAACGCCCTCCAC	none
Earc_ND1_spike 213+214	<i>Elliptio arca</i> and <i>E. arctata</i>	ND1	142	CCATTGAGCCATAGCCCAAACC	GCGGAGAGGGTCAAGGGTAGG	none
Pdec_COI_SoClubshell 215+216	<i>Pleurobema decisum</i>	COI	266	TTGTGCTGCTCTCTTTTTGTTATTGAGG	CCGCTGTTACCGTCACAGCC	none
PdecPper_ND1_Clubshell 217+218	<i>Pleurobema decisum</i> and <i>P. perovatum</i>	ND1	296	TGAACGCAAAGCTTTAGGGTACTTCC	TCAACTGCTATTAAGTTGTGTAGACGG	none
Pper_COI_OvateClub 219+220	<i>Plerobema</i> sp.	COI	351	GCTTATTCCTTATGATTGGGGCTCC	GCAKCAACCAACAAAACCGC	none
Macu_ND1_moccasinshell 221+222	<i>Medionidus acutissimus</i>	ND1	262	GAAITCCACAACCATTAGCAGACGC	CCTAAGAGGGCATATTTAGAGTTTGAGGTTTC	none
Macu_COI_moccasinshell 223+224	<i>Medionidus acutissimus</i>	COI	414	GGCAGCCTGGTAGTTGTTGG	GCTCAGCAATCAACACAGGATCG	none
Hper_COI_mucket 225+226	<i>Hamiota perovalis</i>	COI	429	AACCCAGGAGACCGCATATTCC	GAGTTTGTTAATTCGGGCTGAGCTG	none
LrecSub_ND1_sandshellpondmussel 227+228	<i>Ligumia recta</i> and <i>L. subrostrata</i>	ND1	425	GTAAGAGGTGAGTAATACCAGCCCACT	AATGGRGICYGATTTGTTTCTGC	none
Lrec_COI_sandshell 229+230	<i>Ligumia recta</i>	COI	290	TGACTTATCCCTTATGGTTGGAGC	ACTAACCCAGGAGACCGTATATCCC	none
QaspQver_ND1_OrbPistolgrip 231+232	<i>Quadrula asperata</i> and <i>Q. verrucosa</i>	ND1	254	GGRATYCCACAACCATTAGCAGACG	GCGTATTTTGAGTTTGARGCTCAGCC	none
Fcer_COI_Pigtoe 233+234	<i>Fusconaia cerina</i>	COI	314	GGTTTTGGTTACTTGTGCTGCTC	CGGAATTCGCTCAGCAACCA	none
Mner_ND1_Washboard 237+238	<i>Megaloniais nervosa</i>	ND1	244	GCCCTGGAACTACTTATTCTGTGC	GGATGGATAGGGTGATGGTAGGTATGG	none
Oref_ND1-Wartyback 239+240	<i>Oblivaria reflexa</i>	ND1	257	GGCCAAAATAAAGTAGGAATCATTGGC	CATCCTGCTATGAGGGTTGTGTAGAC	none
Cven_COI_BlacktailShiner 241+242	<i>Cyprinella venusta</i>	COI	233	AGTCAACCTGGCTCACTTCTAGG	TCAACACCAGAGGAAGCTAGTAGTAAGAG	none
Cven_CytB_BlacktailShiner 243+244	<i>Cyprinella venusta</i>	CytB	349	ATGCGAAGTATAGGACGGAGGC	TGTTCTCCCTACCCTRCTTGG	none
Anatlpun_CytB_Bullhead-Channel 253+254+255	<i>Ameiurus natalis</i> and <i>Ictalurus punctatus</i>	CytB	233	AAAGAACTTGAACATCGGRGTGGTCC	AATGGAAGTAGGAAGTGAATGCGAAGA	R-AATGGCAGTAGGAAGTGAATGCG
Micropterus_CytB_Fwd 260+261	<i>Micropterus salmoides</i> and <i>M. punctulatus</i>	CytB	352	GCAACCCCTTCTCATCCG	GGGTGAGGTTGGCATTGTC	none
Munitus_Fwd_CytB 256+257	<i>Noturus munitus</i>	CytB	171	GGCTTCAACAATCCGACCG	GTTGGCGGAGTGAAGTTTTCC	none
Munitus_Fwd_ND5 258+259	<i>Noturus munitus</i>	ND5	285	CCTTAAACAAAACCTGGGCCTTAAAGCA	GGTACTTGAAGAATCGGTTTAGATGGGG	none
Pnig_CytB_BlackbandedDarter 264+265	<i>Percina nigrofasciata</i>	CytB	351	TCAGTGTGATGAACTTTGGCTCCT	GGTYGACCCAGAAAGACATTTG	none
Pbre_COI_CoalDarter 270+271	<i>Percina brevicauda</i>	COI	251	CCTGCCCTCTGTTCTCT	CAGCTCAAACGAATAAAGGGGCTG	none
AllSculpins_CytB_CottusSp 273+274	All N. Amererican Cottus	CytB	316	ACGGTGCTCTTYYTCTTCATTGTC	GCAATTACGAAGGGGAADAGGAAGTGG	none
LcyaLgulLmacLmeg_CytB_sunfish 245+246+247	All lepomis/sunfish sp.	CytB	369	CCGCGCACMGTAAATCAC	TCGTTGTTTGGAGGTGGAGG	F-GCCGCCACCGTAATTCACCTAC
Ecae_CytB_RainbowDarter 281+282	<i>Etheostoma caeruleum</i>	CytB	324	CAGCTTCTCATCGGTTGCACAC	AGAAGCCGCTCAAATCCACTG	none
Pann_CytB_WhiteCrappie 285+286	<i>Pomoxis annularis</i>	CytB	196	TGCCCTCAAACATCTCAGTCTG	CCTCGCCAATGTGTARGTAGATGC	none
Casp_ND2_CrystalDarter 287+288	<i>Crystallaria asprella</i>	ND2	295	TTAGGACCCACAATTACCTTCGC	GTGGACGGGGCAAGACC	none
Mtem_CytB_AligatorSnapper 291+292	<i>Macrochelys temminckii</i>	CytB	225	GCAATACACTATTACAGACATCTCAATAGC	AGTGGCTATCGTTAGTAATAGGAGGATGAC	none
Mtem_COI_AligatorSnapper 293+294	<i>Macrochelys temminckii</i>	COI	297	TTCTACCCCATCTTACTACTACTTCTAGC	CAAGTACAGGCAGTGAAAGTAATAATAGGACA	none
SETurtle3_ND4_GnigGgibGconTsele 301+302+303	Many SE Turtle sp. Including: <i>G. nigrinoda</i> , <i>G. gibbonsi</i> , <i>P. cynocinna</i> , and <i>T. scripta</i>	ND4	394	ACCCAATGAGCATACACAGGYGC	GAAGGTGTTCTCGTGTATGGGTTGG	R-CCGTGTATGGGTGGGTGGT
SETurtle3_CytB_GnigGgibGconTsele 304+305	<i>Trachemys scripta elagans</i> , <i>Graptemys nigrinoda</i> , and <i>G. gobbonsi</i>	CytB	335	TGACGAGGACTTTATACGGCTC	CTGTTGGGTTGTTGATCCAGTTTCATG	none
Gnig_COI_BlackKnobbedMap 295+296	<i>Graptemys nigrinoda</i>	COI	295	CGGGAAATGACTTGTGCCATAATAATTGG	TATGGCTGGGGATTTATGTTAATTACTGTGG	none
Pcon_CytB_RiverCooter 299+300	<i>Pseudemys concinna</i>	CytB	334	TGACGAGGACTTACTACGGCTC	TGTTGGGTTGTTGATCYGGTTTCATG	none