

Selection of candidate coding DNA barcoding regions for

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Citation Report

#	ARTICLE	IF	CITATIONS
2	A stuttering start to plant DNA barcoding: microsatellites present a previously overlooked problem in non-coding plastid regions. <i>Taxon</i> , 2009, 58, 7-15.	0.4	56
3	Identification of Amazonian Trees with DNA Barcodes. <i>PLoS ONE</i> , 2009, 4, e7483.	1.1	176
4	Identifying a mysterious aquatic fern gametophyte. <i>Plant Systematics and Evolution</i> , 2009, 281, 77-86.	0.3	44
5	A DNA barcode for land plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12794-12797.	3.3	2,120
6	Testing plant barcoding in a sister species complex of pantropical <i>Acacia</i> (Mimosoideae.) <i>Trends in Ecology and Evolution</i> , 2009, 24, 100-105.	2.2	139
7	New insights into the species problem. <i>Science China Life Sciences</i> , 2010, 53, 964-972.	2.3	4
8	Which moss is which? Identification of the threatened moss <i>Orthodontium gracile</i> using molecular and morphological techniques. <i>Conservation Genetics</i> , 2010, 11, 1033-1042.	0.8	12
9	Evaluation of 10 plant barcodes in Bryophyta (Mosses). <i>Journal of Systematics and Evolution</i> , 2010, 48, 36-46.	1.6	66
10	Novel approaches based on DNA barcoding and high-resolution melting of amplicons for authenticity analyses of berry species. <i>Food Chemistry</i> , 2010, 123, 494-500.	4.2	92
11	A Test of Seven Candidate Barcode Regions from the Plastome in <i>Picea</i> (Pinaceae). <i>Journal of Integrative Plant Biology</i> , 2010, 52, 1109-1126.	4.1	42
12	Broad-scale amplification of matK for DNA barcoding plants, a technical note. <i>Botanical Journal of the Linnean Society</i> , 2010, 164, 1-9.	0.8	139
13	Phylogenetic analysis of eastern Asian and eastern North American disjunct <i>Lespedeza</i> (Fabaceae) inferred from nuclear ribosomal ITS and plastid region sequences. <i>Botanical Journal of the Linnean Society</i> , 2010, 164, 221-235.	0.8	16
14	BAC-HAPPY Mapping (BAP Mapping): A New and Efficient Protocol for Physical Mapping. <i>PLoS ONE</i> , 2010, 5, e9089.	1.1	6
15	Molecular Species Identification with Rich Floristic Sampling: DNA Barcoding the Pteridophyte Flora of Japan. <i>PLoS ONE</i> , 2010, 5, e15136.	1.1	108
16	Plant DNA barcoding: A test using Macaronesian taxa of <i>Tolpis</i> (Asteraceae). <i>Taxon</i> , 2010, 59, 581-587.	0.4	14
17	Stopping the stutter: Improvements in sequence quality from regions with mononucleotide repeats can increase the usefulness of non-coding regions for DNA barcoding. <i>Taxon</i> , 2010, 59, 694-697.	0.4	11
18	DNA barcoding of African Podostemaceae (river-weeds): A test of proposed barcode regions. <i>Taxon</i> , 2010, 59, 251-260.	0.4	36
19	The MexBOL initiative. <i>Mitochondrial DNA</i> , 2010, 21, 1-2.	0.6	2

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20	Character-based, population-level DNA barcoding in Mexican species of <i>Zamia</i> L. (Zamiaceae: Cycadales). <i>Mitochondrial DNA</i> , 2010, 21, 51-59.	0.6	15
21	A regional approach to plant DNA barcoding provides high species resolution of sedges (<i>Carex</i> and) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> 69-91.	2.2	36
22	Species identification of <i>Alnus</i> (Betulaceae) using nrDNA and cpDNA genetic markers. <i>Molecular Ecology Resources</i> , 2010, 10, 594-605.	2.2	106
24	Prospects of barcoding the Italian wild dendroflora: oaks reveal severe limitations to tracking species identity. <i>Molecular Ecology Resources</i> , 2011, 11, 72-83.	2.2	88
25	DNA barcoding for the discrimination of Eurasian yews (<i>Taxus</i> L., Taxaceae) and the discovery of cryptic species. <i>Molecular Ecology Resources</i> , 2011, 11, 89-100.	2.2	154
26	Evaluation of candidate DNA barcoding loci for economically important timber species of the mahogany family (Meliaceae). <i>Molecular Ecology Resources</i> , 2011, 11, 450-460.	2.2	72
27	A case study of DNA barcoding in Chinese Grimmiaceae and a moss recorded in China for the first time. <i>Taxon</i> , 2011, 60, 185-193.	0.4	21
28	Identification of the genus <i>Epimedium</i> with DNA barcodes. <i>Journal of Medicinal Plants Research</i> , 2011, 5, .	0.2	8
29	Strengthening the scientific contribution of botanic gardens to the second phase of the Global Strategy for Plant Conservation. <i>Botanical Journal of the Linnean Society</i> , 2011, 166, 267-281.	0.8	38
30	A character-based approach in the Mexican cycads supports diverse multigene combinations for DNA barcoding. <i>Cladistics</i> , 2011, 27, 150-164.	1.5	23
31	High universality of <i>matK</i> primers for barcoding gymnosperms. <i>Journal of Systematics and Evolution</i> , 2011, 49, 169-175.	1.6	33
32	Testing four barcoding markers for species identification of Potamogetonaceae. <i>Journal of Systematics and Evolution</i> , 2011, 49, 246-251.	1.6	26
33	Testing four proposed barcoding markers for the identification of species within <i>Ligustrum</i> L. (Oleaceae). <i>Journal of Systematics and Evolution</i> , 2011, 49, 213-224.	1.6	26
34	DNA barcoding of <i>Gaultheria</i> L. in China (Ericaceae: Vaccinioideae). <i>Journal of Systematics and Evolution</i> , 2011, 49, 411-424.	1.6	10
35	A set of plastid DNA-specific universal primers for flowering plants. <i>Russian Journal of Genetics</i> , 2011, 47, 1066-1077.	0.2	7
36	Chloroplast-specific universal primers and their uses in plant studies. <i>Biologia Plantarum</i> , 2011, 55, 225-236.	1.9	17
37	Choosing and Using a Plant DNA Barcode. <i>PLoS ONE</i> , 2011, 6, e19254.	1.1	946
38	What does it take to resolve relationships and to identify species with molecular markers? An example from the epiphytic Rhipsalideae (Cactaceae). <i>American Journal of Botany</i> , 2011, 98, 1549-1572.	0.8	51

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40	Testing DNA barcoding in closely related groups of <i>Lysimachia</i> L. (Myrsinaceae). <i>Molecular Ecology Resources</i> , 2012, 12, 98-108.	2.2	85
41	Validation of DNA barcoding as an efficient tool for taxon identification and detection of species diversity in Italian conifers. <i>European Journal of Forest Research</i> , 2012, 131, 1337-1353.	1.1	40
42	Phylogeny and diversification of Valerianaceae (Dipsacales) in the southern Andes. <i>Molecular Phylogenetics and Evolution</i> , 2012, 63, 724-737.	1.2	44
43	Molecular phylogenetics of the Brazilian giant bromeliads (Alcantarea, Bromeliaceae): implications for morphological evolution and biogeography. <i>Molecular Phylogenetics and Evolution</i> , 2012, 64, 177-189.	1.2	77
44	Identification of meat species by PCR-RFLP of the mitochondrial COI gene. <i>Meat Science</i> , 2012, 90, 490-493.	2.7	82
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47	DNA barcoding of the Mexican sedative and anxiolytic plant <i>Galphimia glauca</i> . <i>Journal of Ethnopharmacology</i> , 2012, 144, 371-378.	2.0	22
48	Development of a DNA Barcoding System for Seagrasses: Successful but Not Simple. <i>PLoS ONE</i> , 2012, 7, e29987.	1.1	59
49	Straightening out the screw pines: A first step in understanding phylogenetic relationships within Pandanaceae. <i>Taxon</i> , 2012, 61, 1010-1020.	0.4	39
50	DNA barcoding in native plants of the Labiatae (Lamiaceae) family from Chios Island (Greece) and the adjacent Karaburun Peninsula (Turkey). <i>Molecular Ecology Resources</i> , 2012, 12, 620-633.	2.2	64
51	Evaluation of six candidate DNA barcoding loci in <i>Ficus</i> (Moraceae) of China. <i>Molecular Ecology Resources</i> , 2012, 12, 783-790.	2.2	51
52	A multi-marker DNA barcoding approach to save time and resources in vegetation surveys. <i>Botanical Journal of the Linnean Society</i> , 2012, 169, 518-529.	0.8	38
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54	Monosaccharide analysis of succulent leaf tissue in <i>Aloe</i> . <i>Phytochemistry</i> , 2013, 93, 79-87.	1.4	29
55	DNA Barcoding in Endangered Mesoamerican Groups of Plants. <i>Botanical Review</i> , The, 2013, 79, 469-482.	1.7	12
56	Diversity and biogeography of Ni-hyperaccumulators of <i>Alyssum</i> section <i>Odontarrhena</i> (Brassicaceae) in the central western Mediterranean: evidence from karyology, morphology and DNA sequence data. <i>Botanical Journal of the Linnean Society</i> , 2013, 173, 269-289.	0.8	27

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58	DNA barcoding to analyse taxonomically complex groups in plants: the case of <i>Thymus</i> (Lamiaceae). <i>Botanical Journal of the Linnean Society</i> , 2013, 171, 687-699.	0.8	49
59	Genetic and DNA-Based Techniques. <i>Comprehensive Analytical Chemistry</i> , 2013, , 195-220.	0.7	0
60	Barcoding in the dark?: A critical view of the sufficiency of zoological DNA barcoding databases and a plea for broader integration of taxonomic knowledge. <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 39-45.	1.2	114
61	<sc>DNA</sc> barcoding for conservation, seed banking and ecological restoration of <i>Acacia</i> in the Midwest of Western Australia. <i>Molecular Ecology Resources</i> , 2013, 13, 1033-1042.	2.2	15
62	<i>Persicaria Amphibia</i> , a Serious Terrestrial Weed in Northern Greece: A Combined Molecular and Morphological Approach to Identification and Taxonomy. <i>Biotechnology and Biotechnological Equipment</i> , 2013, 27, 4236-4242.	0.5	3
63	DNA barcoding as a complementary tool for conservation and valorisation of forest resources. <i>ZooKeys</i> , 2013, 365, 197-213.	0.5	19
64	Phylogenetic Relationships between Four <i>Salix</i> L. Species Based on DArT Markers. <i>International Journal of Molecular Sciences</i> , 2013, 14, 24113-24125.	1.8	12
65	DNA Barcoding the Canadian Arctic Flora: Core Plastid Barcodes (rbcl + matK) for 490 Vascular Plant Species. <i>PLoS ONE</i> , 2013, 8, e77982.	1.1	76
66	Patterns of plastid and nuclear variation among apomictic polyploids of <i>Hieracium</i> : evolutionary processes and taxonomic implications. <i>Annals of Botany</i> , 2013, 111, 591-609.	1.4	9
67	How Effective Are DNA Barcodes in the Identification of African Rainforest Trees?. <i>PLoS ONE</i> , 2013, 8, e54921.	1.1	81
68	Complete genomic congruence but non-monophyly of <i>Cymodocea</i> (Cymodoceaceae), a small group of seagrasses. <i>Taxon</i> , 2014, 63, 3-8.	0.4	14
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70	DNA Barcoding Reveals Limited Accuracy of Identifications Based on Folk Taxonomy. <i>PLoS ONE</i> , 2014, 9, e84291.	1.1	46
72	Analysis of Variation in Chloroplast DNA Sequences. <i>Methods in Molecular Biology</i> , 2014, 1115, 85-120.	0.4	3
73	DNA Barcoding to Detect Chilli Adulteration in Traded Black Pepper Powder. <i>Food Biotechnology</i> , 2014, 28, 25-40.	0.6	82
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77	Application of DNA Barcodes in Asian Tropical Trees â€” A Case Study from Xishuangbanna Nature Reserve, Southwest China. PLoS ONE, 2015, 10, e0129295.	1.1	25
78	ITS and trnH-psbA as Efficient DNA Barcodes to Identify Threatened Commercial Woody Angiosperms from Southern Brazilian Atlantic Rainforests. PLoS ONE, 2015, 10, e0143049.	1.1	57
79	Molecular taxonomic identification in the absence of a â€”barcoding gapâ€™™: a test with the endemic flora of the <sc>C</sc>anarian oceanic hotspot. Molecular Ecology Resources, 2015, 15, 42-56.	2.2	15
80	Testing <sc>DNA</sc> barcodes in closely related species of <i><sc>C</sc>urcuma</i> (Zingiberaceae) from <sc>M</sc>yanmar and <sc>C</sc>hina. Molecular Ecology Resources, 2015, 15, 337-348.	2.2	66
81	Development of species-specific environmental DNA (eDNA) markers for invasive aquatic plants. Aquatic Botany, 2015, 122, 27-31.	0.8	68
82	DNA barcoding to assess species adulteration in raw drug trade of â€œBalaâ€”(genus: Sida L.) herbal products in South India. Biochemical Systematics and Ecology, 2015, 61, 501-509.	0.6	29
83	Phylogeny, systematics, and trait evolution of Carex section Clareae. American Journal of Botany, 2015, 102, 1128-1144.	0.8	19
84	DNA Barcoding and Pharmacovigilance of Herbal Medicines. Drug Safety, 2015, 38, 611-620.	1.4	151
85	Detection of plant-based adulterants in turmeric powder using DNA barcoding. Pharmaceutical Biology, 2015, 53, 1774-1779.	1.3	58
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95	DNA barcodes identify Chinese medicinal plants and detect geographical patterns of <i>Sinosenecio</i> (Asteraceae). Journal of Systematics and Evolution, 2016, 54, 83-91.	1.6	12
96	Universal multiplexable <i>matK</i> primers for DNA barcoding of angiosperms. Applications in Plant Sciences, 2016, 4, 1500137.	0.8	27
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99	Replacing Sanger with Next Generation Sequencing to improve coverage and quality of reference DNA barcodes for plants. Scientific Reports, 2017, 7, 46040.	1.6	45
100	Applying pollen DNA metabarcoding to the study of plant-pollinator interactions. Applications in Plant Sciences, 2017, 5, 1600124.	0.8	115
101	New Insights into the Systematics of the Schoenoxiphium Clade (<i>Carex</i> , Cyperaceae). International Journal of Plant Sciences, 2017, 178, 320-329.	0.6	7
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105	Character-based DNA barcoding for authentication and conservation of IUCN Red listed threatened species of genus Decalepis (Apocynaceae). Scientific Reports, 2017, 7, 14910.	1.6	25
106	An analysis of Echinacea chloroplast genomes: Implications for future botanical identification. Scientific Reports, 2017, 7, 216.	1.6	52
107	Discriminatory power of <i>rbcl</i> barcode locus for authentication of some of United Arab Emirates (UAE) native plants. 3 Biotech, 2017, 7, 144.	1.1	28
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109	Plant DNA barcodes and assessment of phylogenetic community structure of a tropical mixed dipterocarp forest in Brunei Darussalam (Borneo). PLoS ONE, 2017, 12, e0185861.	1.1	15
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112	Integrative analyses of <i>Nervilia</i> (Orchidaceae) section <i>Linervia</i> reveal further undescribed cryptic diversity in Thailand. <i>Systematics and Biodiversity</i> , 2018, 16, 377-396.	0.5	9
113	Quantitative market survey of non-woody plants sold at Kariakoo Market in Dar es Salaam, Tanzania. <i>Journal of Ethnopharmacology</i> , 2018, 222, 280-287.	2.0	12
114	A New Species of <i>Telipogon</i> (Orchidaceae) from Mexico and its Phylogenetic Position Among Mesoamerican Species. <i>Systematic Botany</i> , 2018, 43, 9-16.	0.2	0
115	Plant core DNA barcode performance at a local scale: identification of the conifers of the state of Hidalgo, Mexico. <i>Systematics and Biodiversity</i> , 2018, 16, 791-806.	0.5	4
116	DNA barcoding the flowering plants from the tropical coral islands of Xisha (China). <i>Ecology and Evolution</i> , 2018, 8, 10587-10593.	0.8	8
117	An expanded molecular phylogeny of Plumbaginaceae, with emphasis on <i>Limonium</i> (sea) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 12397-12424.</i>	0.8	37
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121	<i>Clivia</i> taxonomy revisited, using DNA barcode regions. <i>Acta Horticulturae</i> , 2018, , 503-514.	0.1	0
122	Decoding ice plants: challenges associated with barcoding and phylogenetics in the diverse succulent family Aizoaceae. <i>Genome</i> , 2018, 61, 815-821.	0.9	3
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124	Contribution of genetics for implementing population translocation of the threatened <i>Arnica montana</i> . <i>Conservation Genetics</i> , 2018, 19, 1185-1198.	0.8	20
125	Identification of plant species using variable length chloroplast DNA sequences. <i>Forensic Science International: Genetics</i> , 2018, 36, 1-12.	1.6	15
126	A phylogenetic analysis of the genus <i>Aloe</i> (Asphodelaceae) in Madagascar and the Mascarene Islands. <i>Botanical Journal of the Linnean Society</i> , 2018, 187, 428-440.	0.8	11
127	Jumping through the hoops: the challenges of daffodil (<i>Narcissus</i>) classification. <i>Botanical Journal of the Linnean Society</i> , 2019, 190, 389-404.	0.8	3
128	Effects of taxon sampling and tree reconstruction methods on phylodiversity metrics. <i>Ecology and Evolution</i> , 2019, 9, 9479-9499.	0.8	23
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131	Assessment of seasonal variation of diet composition in rodents using DNA barcoding and Real-Time PCR. <i>Scientific Reports</i> , 2019, 9, 14124.	1.6	6
132	Identification of species and materia medica within <i>Saussurea</i> subg. <i>Amphilaena</i> based on DNA barcodes. <i>PeerJ</i> , 2019, 7, e6357.	0.9	6
133	DNA Barcoding: Methods and Approaches. <i>Biology Bulletin Reviews</i> , 2019, 9, 475-483.	0.3	5
134	Identification and Monitoring of Amomi Fructus and its Adulterants Based on DNA Barcoding Analysis and Designed DNA Markers. <i>Molecules</i> , 2019, 24, 4193.	1.7	11
135	Approaches to integrating genetic data into ecological networks. <i>Molecular Ecology</i> , 2019, 28, 503-519.	2.0	37
136	Employing barcoding markers to authenticate selected endangered medicinal plants traded in Indian markets. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 327-337.	1.4	11
137	The use of plant DNA barcoding coupled with HRM analysis to differentiate edible vegetables from poisonous plants for food safety. <i>Food Control</i> , 2020, 109, 106896.	2.8	21
138	DNA barcoding augments conventional methods for identification of medicinal plant species traded at Tanzanian markets. <i>Journal of Ethnopharmacology</i> , 2020, 250, 112495.	2.0	23
139	Chemotaxonomic Monitoring of Genetically Authenticated Amomi Fructus Using High-Performance Liquid Chromatography–Diode Array Detector with Chemometric Analysis. <i>Molecules</i> , 2020, 25, 4581.	1.7	4
140	Chloroplast-based DNA barcode analysis indicates high discriminatory potential of matK locus in Himalayan temperate bamboos. <i>3 Biotech</i> , 2020, 10, 534.	1.1	2
141	DNA-Based Authentication and Metabolomics Analysis of Medicinal Plants Samples by DNA Barcoding and Ultra-High-Performance Liquid Chromatography/Triple Quadrupole Mass Spectrometry (UHPLC-MS). <i>Plants</i> , 2020, 9, 1601.	1.6	14
142	DNA barcoding of Indian <i>Alysicarpus</i> (Fabaceae): ITS alone distinguishes species. <i>Vegetos</i> , 2020, 33, 592-600.	0.8	1
143	Preliminary insights into the molecular barcoding data of <i>Turraea socotrana</i> (Meliaceae) from Socotra (Yemen). <i>Rendiconti Lincei</i> , 2020, 31, 637-644.	1.0	2
144	The low copy nuclear region, RPB2 as a novel DNA barcode region for species identification in the rattan genus <i>Calamus</i> (Arecaceae). <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 1875-1887.	1.4	5
145	SPIInDel Analysis of the Non-Coding Regions of cpDNA as a More Useful Tool for the Identification of Rye (Poaceae: Secale) Species. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9421.	1.8	1
146	Molecular delimitation of European leafy liverworts of the genus <i>Calypogeia</i> based on plastid super-barcodes. <i>BMC Plant Biology</i> , 2020, 20, 243.	1.6	25
147	Dual-locus DNA metabarcoding reveals southern hairy-nosed wombats (<i>Lasiorchinus latifrons</i> Owen) have a summer diet dominated by toxic invasive plants. <i>PLoS ONE</i> , 2020, 15, e0229390.	1.1	9

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