

## 附录1 参考文献

- Baker CS (2008) A truer measure of the market: the molecular ecology of fisheries and wildlife trade. *Molecular Ecology*, **17**, 3985–3998.
- Cavender-Bares J, Kozak KH, Fine PVA, Kembel SW (2009) The merging of community ecology and phylogenetic biology. *Ecology Letters*, **12**, 693–715.
- Costion C, Ford A, Cross H, Crayn D, Harrington M, Lowe A (2011) Plant DNA barcodes can accurately estimate species richness in poorly known floras. *PLoS ONE*, **6**, e26841.
- Dexter KG, Pennington TD, Cunningham CW (2010) Using DNA to assess errors in tropical tree identifications: How often are ecologists wrong and when does it matter? *Ecological Monographs*, **80**, 267–286.
- Epp LS, Boessenkool S, Bellemain EP, Haile J, Esposito A, Riaz T, Erséus C, Gusarov VI, Edwards ME, Johnsen A, Stenøien HK, Hassel K, Kauserud H, Yoccoz NG, Bråthen KA, Willerslev E, Taberlet P, Coissac E, Brochmann C (2012) New environmental metabarcodes for analysing soil DNA: potential for studying past and present ecosystems. *Molecular Ecology*, **21**, 1821–1833.
- Erickson DL, Jones FA, Swenson NG, Pei NC, Bourg NA, Chen WN, Davies SJ, Ge XJ, Hao ZQ, Howe RW, Huang CL, Larson AJ, Lum SKY, Lutz JA, Ma KP, Meegaskumbura M, Mi XC, Parker JD, Sun IF, Wright SJ, Wolf AT, Ye W, Xing DL, Zimmerman JK, Kress WJ (2014) Comparative evolutionary diversity and phylogenetic structure across multiple forest dynamics plots: a mega-phylogeny approach. *Frontiers in Genetics*, **5**, doi: 10.3389/fgene.2014.00358.
- Gathier G, van der Niet T, Peelen T, van Vugt RR, Eurlings MC, Gravendeel B (2013) Forensic identification of CITES protected slimming cactus (*Hoodia*) using DNA barcoding. *Journal of Forensic Science*, **58**, 1467–471.
- Hebert PDN, Cywinska A, Ball SL, Dewaard JR (2003) Biological identifications through DNA barcodes. *Proceedings of the Royal Society of London B: Biological Sciences*, **270**, 313–322.
- Hebert PDN, Penton EH, Burns JM, Janzen DH, Hallwachs W (2004) Ten species in one: DNA barcoding reveals cryptic species in the neotropical skipper butterfly *Astraptes fulgerator*. *Proceedings of the National Academy of Sciences, USA*, **101**, 14812–14817.
- Hollingsworth PM, Graham SW, Little DP (2011) Choosing and using a plant DNA barcode. *PLoS ONE*, **6**, e19254.
- Ji Y, Ashton L, Pedley SM, Edwards DP, Tang Y, Nakamura A, Kitching R, Dolman PM, Woodcock P, Edwards FA, Larsen TH, Hsu WW, Benedick S, Hamer KC, Wilcove DS, Bruce C, Wang X, Levi T, Lott M, Emerson BC, Yu DW (2013) Reliable, verifiable and efficient monitoring of biodiversity via metabarcoding. *Ecology Letters*, **16**, 1245–1257.
- Joly S, Davies TJ, Archambault A, Bruneau A, Derry A, Kembel SW, Peres-Neto P, Vamosi J, Wheeler TA (2014) Ecology in the age of DNA barcoding: the resource, the promise and the challenges ahead. *Molecular Ecology Resources*, **14**, 221–232.
- Kress WJ, Erickson DL, Jones FA, Swenson NG, Perez R, Sanjurb O, Bermingham E (2009) Plant DNA barcodes and a community phylogeny of a tropical forest dynamics plot in Panama. *Proceedings of the National Academy of Sciences, USA*, **106**, 18621–18626.
- Kress WJ, Garcia-Robledo C, Uriarte M, Erickson DL (2015) DNA barcodes for ecology, evolution, and conservation. *Trends in Ecology and Evolution*, **30**, 25–35.
- Kress WJ, Wurdack KJ, Zimmer EA, Weigt LA, Janzen DH (2005) Use of DNA barcodes to identify flowering plants. *Proceedings of the National Academy of Sciences, USA*, **102**, 8369–8374.
- Lahaye R, van der Bank M, Bogarin D, Warner J, Pupulin F, Gigot G, Maurin O, Duthoit S, Barraclough TG, Savolainen V (2008) DNA barcoding the floras of biodiversity hotspots. *Proceedings of the National Academy of Sciences, USA*, **105**, 2923–2928.
- Liu J, Möller M, Gao LM, Zhang DQ, Li DZ (2011) DNA barcoding for the discrimination of Eurasian yews (*Taxus L.*, Taxaceae) and the discovery of cryptic species. *Molecular Ecology Resources*, **11**, 89–100.
- Liu J, Yan HF, Newmaster SG, Pei NC, Ragupathy S, Ge XJ (2015) The use of DNA barcoding as a tool for the conservation biogeography of sub-tropical forests in China. *Diversity and Distributions*, **21**, 188–199.
- Liu XF, Yang CH, Han HL, Ward RD, Zhang AB (2014) Identifying species of moths (Lepidoptera) from Baihua Mountain, Beijing, China, using DNA barcodes. *Ecology and Evolution*, **4**, 2472–2487.
- Luo YH (罗亚皇), Liu J (刘杰), Gao LM (高连明), Li DZ (李德铤) (2013) Advances and applications of DNA barcoding in ecological studies. *Plant Diversity and Resources*, **35**, 761–768. (in Chinese with English abstract)
- Newmaster SG, Fazekas AJ, Steeves RAD, Janovec J (2008) Testing candidate plant barcode regions in the Myristicaceae. *Molecular Ecology Resources*, **8**, 480–490.
- Pei NC, Lian JY, Erickson DL, Swenson NG, Kress WJ, Ye WH, Ge XJ (2011) Exploring tree habitat associations in a Chinese subtropical forest plot using a molecular phylogeny generated from DNA barcode loci. *PLoS ONE*, **6**, e21273
- Perl RGB, Nagy ZT, Sonet G, Glaw F, Wollenberg KC, Vences M (2014) DNA barcoding Madagascar's amphibian fauna. *Amphibia-Reptilia*, **35**, 197–206.
- Qian H, Jiang L (2014) Phylogenetic community ecology: integrating community ecology and evolutionary biology. *Journal of Plant Ecology*, **7**, 97–100.
- Ren BQ, Xiang XG, Chen ZD (2010) Species identification of *Alnus* (Betulaceae) using nrDNA and cpDNA genetic markers. *Molecular Ecology Resources*, **10**, 594–605.
- Shokralla S, Spall JL, Gibson JF, Hajibabaei M (2012) Next-generation sequencing technologies for environmental DNA research. *Molecular Ecology*, **21**, 1794–1805.

- Soltis DE, Mort ME, Latvis M, Mavrodiev EV, O'Meara BC, Soltis PS, Burleigh KG, de Casas RR (2013) Phylogenetic relationships and character evolution analysis of Saxifragales using a supermatrix approach. *American Journal of Botany*, **100**, 916–929.
- Swenson NG, Umana MN (2014) Phylofloristics: an example from the Lesser Antilles. *Journal of Plant Ecology*, **7**, 166–175.
- Taberlet P, Coissac E, Hajibabaei M, Rieseberg LH (2012a) Environmental DNA. *Molecular Ecology*, **21**, 1789–1793.
- Taberlet P, Coissac E, Pompanon F, Brochmann C, Willerslev E (2012b) Towards next-generation biodiversity assessment using DNA metabarcoding. *Molecular Ecology*, **21**, 2045–2050.
- Thompson KA, Newmaster SG (2014) Molecular taxonomic tools provide more accurate estimates of species richness at less cost than traditional morphology-based taxonomic practices in a vegetation survey. *Biodiversity and Conservation*, **23**, 1411–1424.
- Valentini A, Pompanon F, Taberlet P (2009) DNA barcoding for ecologists. *Trends in Ecology and Evolution*, **24**, 110–117.
- Walther G, Pawłowska J, Alastruey-Izquierdo A, Wrzosek M, Rodriguez-Tudela JL, Dolatabadi S, Chakrabarti A, de Hoog GS (2013) DNA barcoding in Mucorales: an inventory of biodiversity. *Persoonia*, **30**, 11–47.
- Willerslev E, Davison J, Moora M, Zobel M, Coissac E, Edwards ME, Lorenzen ED, Vestergård M, Gussarova G, Haile J, Craine J, Gielly L, Boessenkool S, Epp LS, Pearman PB, Cheddadi R, Murray D, Bråthen KA, Yoccoz N, Binney H, Cruaud C, Wincker P, Goslar T, Alsos IG, Bellemain E, Brysting AK, Elven R, Sønstebo JH, Murton J, Sher A, Rasmussen M, Rønn R, Mourier T, Cooper A, Austin J, Möller P, Froese D, Zazula G, Pompanon F, Rioux D, Niderkorn V, Tikhonov A, Savvinov G, Roberts RG, MacPhee RD, Gilbert MT, Kjær KH, Orlando L, Brochmann C, Taberlet P (2014) Fifty thousand years of Arctic vegetation and megafaunal diet. *Nature*, **506**, 47–51.
- Wilson JJ, Sing KW, Halim MRA, Ramli R, Hashim R, Sofian-Azirun M (2014) Utility of DNA barcoding for rapid and accurate assessment of bat diversity in Malaysia in the absence of formally described species. *Genetics and Molecular Research*, **13**, 920–925.
- Yan LJ, Liu J, Möller M, Zhang L, Zhang XM, Li DZ, Gao LM (2015) DNA barcoding of *Rhododendron* (Ericaceae), the largest Chinese plant genus in biodiversity hotspots of the Himalaya-Hengduan Mountains. *Molecular Ecology Resources*, doi: 10.1111/1755-0998.12353.
- Young MK, McKelvey KS, Pilgrim KL, Schwartz MK (2013) DNA barcoding at riverscape scales: assessing biodiversity among fishes of the genus *Cottus* (Teleostei) in northern Rocky Mountain streams. *Molecular Ecology Resources*, **13**, 583–595.
- Yu DW, Ji Y, Emerson BC, Wang XY, Ye CX, Yang CY, Ding ZL (2012) Biodiversity soup: metabarcoding of arthropods for rapid biodiversity assessment and biomonitoring. *Methods in Ecology and Evolution*, **3**, 613–623.