

Animal category	Authors	Year	Title	Journal	Animal	Species	DNA sampling method	Reason for method	Method category
Amphibian	Auffarth et al.	2017	A genetically-informed Population Viability Analysis reveals conservation priorities for an isolated population of <i>Hyla arborea</i>	Salamandra	Frog	<i>Hyla arborea</i>	Buccal swabs	Not given	Non-invasive
Amphibian	Cayuela et al.	2017	Relatedness predicts male mating success in a pond-breeding amphibian	Animal Behaviour	Toad	<i>Bombina variegata</i>	Buccal swabs	Not given	Non-invasive
Amphibian	Charles et al.	2018	Sky, sea, and forest islands: Diversification in the African leaf-folding frog <i>Africalus paradorsalis</i> (Anura: Hyperoliidae) of the Lower Guineo-Congolian rain forest	Journal of Biogeography	Frog	<i>Africalus paradorsalis</i>	Lethal	Samples to be deposited to a museum	Lethal
Amphibian	Cortazar-Chinarro et al.	2017	Drift, selection, or migration? Processes affecting genetic differentiation and variation along a latitudinal gradient in an amphibian	BMC Evolutionary Biology	Frog	<i>Rana arvalis</i>	Lethal	Not given	Lethal
Amphibian	Cox et al.	2017	Effect of the landscape matrix on gene flow in a coastal amphibian metapopulation	Conservation Genetics	Toad	<i>Epidalea calamita</i>	Tail clipping	Not given	Invasive
Amphibian	da Silva et al.	2018	Conservation genetics of an endemic and threatened amphibian (<i>Capensibufo rosei</i>): a leap towards establishing a genetic monitoring framework	Conservation Genetics	Toad	<i>Capensibufo rosei</i>	Toe clipping	Toe clipping also used for marking	Invasive
Amphibian	de Magalhaes et al.	2017	Evolutionarily significant units of the critically endangered leaf frog <i>Pithecopus ayeaye</i> (Anura, Phyllomedusidae) are not effectively preserved by the Brazilian protected areas network	Ecology and Evolution	Frog	<i>Pithecopus ayeaye</i>	Lethal	Not given	Lethal
Amphibian	Didinger et al.	2017	Multiple major histocompatibility complex class I genes in Asian anurans: Ontogeny and phylogeny	Developmental and Comparative Immunology	Frog	<i>Bufo gargarizans</i> , <i>Hyla japonica</i>	Lethal	Not given	Lethal
Amphibian	Dufresnes et al.	2017	Cryptic invasion of Italian pool frogs (<i>Pelophylax bergeri</i>) across Western Europe unraveled by multilocus phylogeography	Biological Invasions	Frog	<i>Pelophylax sp.</i>	Buccal swabs	Not given	Non-invasive
Amphibian	Dufresnes et al.	2018	Invasion genetics of marsh frogs (<i>Pelophylax ridibundus sensu lato</i>) in Switzerland	Biological Journal of the Linnean Society	Frog	<i>Pelophylax ridibundus</i>	Both	Not given	Both
Amphibian	Faucher et al.	2017	When new human-modified habitats favour the expansion of an amphibian pioneer species: Evolutionary history of the natterjack toad (<i>Bufo calamita</i>) in a coal basin	Molecular Ecology	Toad	<i>Bufo calamita</i>	Buccal swabs	Not given	Non-invasive
Amphibian	Feist et al.	2017	GENETIC CHARACTERIZATION OF WEBSTER'S SALAMANDER (PLETHODON WEBSTERI) WITHIN A FRAGMENTED LANDSCAPE, USING NOVEL MICROSATELLITES	Herpetological Conservation and Biology	Salamander	<i>Plethodon websteri</i>	Tail clipping	Not given	Invasive
Amphibian	Garcia et al.	2017	Syntopic frogs reveal different patterns of interaction with the landscape: A comparative landscape genetic study of <i>Pelophylax nigromaculatus</i> and <i>Fejervarya limnocharis</i> from central China	Ecology and Evolution	Frog	<i>Pelophylax nigromaculatus</i> , <i>Fejervarya limnocharis</i>	Toe clipping	Not given	Invasive
Amphibian	Grummer et al.	2017	Do dams also stop frogs? Assessing population connectivity of coastal tailed frogs (<i>Ascaphus truei</i>) in the North Cascades National Park Service Complex	Conservation Genetics	Frog	<i>Ascaphus truei</i>	Lethal	Not given	Lethal
Amphibian	Gutierrez-Rodriguez et al.	2017	Effective to census population size ratios in two Near Threatened Mediterranean amphibians: <i>Pleurodeles waltl</i> and <i>Pelobates cultripes</i>	Conservation Genetics	Multiple	<i>Pleurodeles waltl</i> , <i>Pelobates cultripes</i>	Toe clipping	Not given	Invasive
Amphibian	Heredia-Bobadilla et al.	2017	Genetic variability and structure of an isolated population of <i>Ambystoma altamirani</i> , a mole salamander that lives in the mountains of one of the largest urban areas in the world	Journal of Genetics	Salamander	<i>Ambystoma altamirani</i>	Tail clipping	Not given	Invasive
Amphibian	Isselin-Nondedeu	2017	Spatial genetic structure of <i>Lissotriton helveticus</i> L. following the restoration of a forest ponds network	Conservation Genetics	Newt	<i>Lissotriton helveticus</i>	Buccal swabs	Not given	Non-invasive
Amphibian	Kalayci et al.	2017	Phylogeny and systematics of Anatolian mountain frogs	Biochemical Systematics and Ecology	Frog	<i>Rana macracnemis</i> , <i>Rana camerani</i> , <i>Rana holtzi</i> , and <i>Rana tavasensis</i>	Toe clipping	Not given	Invasive
Amphibian	Kazitsa et al.	2018	Population Size, Genetic Diversity and Molecular Evidence of a Recent Population Bottleneck in <i>Hynobius chinensis</i> , an Endangered Salamander Species	Asian Herpetological Research	Salamander	<i>Hynobius chinensis</i>	Lethal	Toe clipping also used for marking	Lethal

Amphibian	Kobayashi et al.	2018	Fine-scale Genetic Structure and Estimation of Gene Flow of the Japanese Brown Frog <i>Rana japonica</i> in a Satoyama Landscape on the Western Side of Inba Lake, Eastern Japan	Current Herpetology	Frog	<i>Rana japonica</i>	Lethal	Not given	Lethal
Amphibian	Komaki et al.	2017	Fine-scale demographic processes resulting from multiple overseas colonization events of the Japanese stream tree frog, <i>Buergeria japonica</i>	Journal of Biogeography	Frog	<i>Buergeria japonica</i>	Toe clipping	Not given	Invasive
Amphibian	Liu et al.	2017	Limited polymorphism of the functional MHC class II B gene in the black-spotted frog (<i>Pelophylax nigromaculatus</i>) identified by locus-specific genotyping	Ecology and Evolution	Frog	<i>Pelophylax nigromaculatus</i>	Toe clipping	Not given	Invasive
Amphibian	Marchesini et al.	2018	Deciphering the drivers of negative species-genetic diversity correlation in Alpine amphibians	Molecular Ecology	Frog	<i>Rana temporaria</i>	Lethal	Not given	Lethal
Amphibian	McCartney-Melstad et al.	2018	Genomic data recover previously undetectable fragmentation effects in an endangered amphibian	Molecular Ecology	Salamander	<i>Ambystoma tigrinum</i>	Tail clipping	Not given	Invasive
Amphibian	McKee et al.	2017	Habitat predictors of genetic diversity for two sympatric wetland-breeding amphibian species	Ecology and Evolution	Multiple	<i>Eurycea quadridigitata</i> , <i>Lithobates sphenoccephalus</i>	Lethal	Not given	Lethal
Amphibian	Neal et al.	2018	Genetic structure and environmental niche modeling confirm two evolutionary and conservation units within the western spadefoot (<i>Spea hammondi</i>)	Conservation Genetics	Toad	<i>Spea hammondi</i>	Lethal	Not given	Lethal
Amphibian	Nicolas et al.	2018	Phylogeography and ecological niche modeling unravel the evolutionary history of the African green toad, <i>Bufoetes boulengeri</i> (Amphibia: Bufonidae), through the Quaternary	Journal of Zoological Systematics and Evolutionary Research	Toad	<i>Bufoetes boulengeri</i>	Lethal	Not given	Lethal
Amphibian	Nishikawa et al.	2017	Historical Demography of an Endangered Salamander, <i>Ranodon sibiricus</i> (Amphibia, Urodela, Hynobiidae): A Reassessment	Zoological Science	Salamander	<i>Ranodon sibiricus</i>	Toe clipping	Not given	Invasive
Amphibian	Nunziata et al.	2017	Genomic data detect corresponding signatures of population size change on an ecological time scale in two salamander species	Molecular Ecology	Salamander	<i>Ambystoma talpoideum</i> , <i>A. opacum</i>	Toe clipping	Not given	Invasive
Amphibian	O'Brien	2018	The unexpected genetic mating system of the red-backed toadlet (<i>Pseudophryne coriacea</i>): A species with prolonged terrestrial breeding and cryptic reproductive behaviour	Molecular Ecology	Toad	<i>Pseudophryne coriacea</i>	Lethal	Not given	Lethal
Amphibian	O'Donnell et al.	2017	Cryptic invasion of Northern Leopard Frogs (<i>Rana pipiens</i>) across phylogeographic boundaries and a dilemma for conservation of a declining amphibian	Biological Invasions	Frog	<i>Rana pipiens</i>	Toe clipping	Not given	Invasive
Amphibian	Okamiya et al.	2018	Lower genetic diversity and hatchability in amphibian populations isolated by urbanization	Population Ecology	Multiple	<i>Hynobius tokyoensis</i> , <i>Rana ornativentris</i>	Lethal	Not given	Lethal
Amphibian	Oswald et al.	2017	Conservation genetics of a mirrored population of the European tree frog (<i>Hyla</i>)	Salamandra	Frog	<i>Hyla arborea</i>	Buccal swabs	Not given	Non-invasive
Amphibian	Pabijan et al.	2017	Isolation and gene flow in a speciation continuum in newts	Molecular Phylogenetics and Evolution	Newt	<i>Lissotriton vulgaris</i>	Tail clipping	Not given	Invasive
Amphibian	Penalver-Alcazar et al.	2017	Sex-dependent implications of primary productivity and conspecific density on geographical body size variation in a newt: disentangling local, large scale and genetic factors	Journal of Biogeography	Newt	<i>Lissotriton boscai</i>	Tail clipping	Not given	Invasive
Amphibian	Poorten et al.	2017	Population genetic structure of the endangered Sierra Nevada yellow-legged frog (<i>Rana sierrae</i>) in Yosemite National Park based on multi-locus nuclear data from swab samples	Conservation Genetics	Frog	<i>Rana sierrae</i>	Skin swabs	Skin swabs previously used for monitoring Bd infection	Non-invasive
Amphibian	Rhoads et al.	2017	High inbreeding and low connectivity among <i>Ambystoma texanum</i> populations in fragmented Ohio forests	Ecology and Evolution	Salamander	<i>Ambystoma texanum</i>	Tail clipping	Not given	Invasive
Amphibian	Robertson et al.	2018	Fire Does Not Strongly Affect Genetic Diversity or Structure of a Common Treefrog in the Endangered Florida Scrub	Journal of Heredity	Frog	<i>Hyla femoralis</i>	Toe clipping	Not given	Invasive
Amphibian	Roland et al.	2017	Y Radiation of the polymorphic Little Devil poison frog (<i>Oophaga sylvatica</i>) in Ecuador	Ecology and Evolution	Frog	<i>Oophaga sylvatica</i>	Lethal	Not given	Lethal

Amphibian	Sanchez-Montes et al.	2017	Effects of Sample Size and Full Sibs on Genetic Diversity Characterization: A Case Study of Three Syntopic Iberian Pond-Breeding Amphibians	Journal of Heredity	Multiple	<i>Hyla molleri</i> , <i>Epidalea calamita</i> , <i>Pelophylax perezi</i>	Lethal	Not given	Lethal
Amphibian	Sandberger-Loua et al.	2018	Gene-flow in the clouds: landscape genetics of a viviparous, montane grassland toad in the tropics	Conservation Genetics	Toad	<i>Nimbaphrynoides occidentalis</i>	Toe clipping	Not given	Invasive
Amphibian	Savage et al.	2018	Lost but not forgotten: MHC genotypes predict overwinter survival despite depauperate MHC diversity in a declining frog	Conservation Genetics	Frog	<i>Rana chiricahuensis</i>	Toe clipping	Toe clipping also used for marking	Invasive
Amphibian	Smith et al.	2018	Genetic divergence correlates with the contemporary landscape in populations of Slimy Salamander (<i>Plethodon glutinosus</i>) species complex across the lower Piedmont and Coastal Plain of the southeastern United States	Canadian Journal of Zoology	Salamander	<i>Plethodon glutinosus</i>	Tail clipping	Tail clipping was used to avoid destructive sampling. Salamanders readily regenerate their tails following amputation	Invasive
Amphibian	Stewart et al.	2017	Can alternative mating tactics facilitate introgression across a hybrid zone by circumventing female choice?	Journal of Evolutionary Biology	Frog	<i>Pseudacris crucifer</i>	Toe clipping	Not given	Invasive
Amphibian	Teixeira et al.	2018	Mitochondrial phylogeography of the Iberian endemic frog <i>Rana iberica</i> , with implications for its conservation	Current Zoology	Frog	<i>Rana iberica</i>	Toe clipping	Not given	Invasive
Amphibian	Valbuena-Urena et al.	2017	No signs of inbreeding despite long-term isolation and habitat fragmentation in the critically endangered Montseny brook newt (<i>Calotriton arnoldi</i>)	Heredity	Newt	<i>Calotriton arnoldi</i>	Toe clipping	Not given	Invasive
Amphibian	Visser et al.	2017	Stabilization of a salamander moving hybrid zone	Ecology and Evolution	Salamander	<i>Triturus cristatus</i> , <i>T. marmoratus</i>	Lethal	Not given	Lethal
Amphibian	Wang et al.	2017	Population genetic and field-ecological analyses return similar estimates of dispersal over space and time in an endangered amphibian	Evolutionary Applications	Salamander	<i>Ambystoma californiense</i>	Tail clipping	Not given	Invasive
Amphibian	Youngquist et al.	2017	Effects of land use on population presence and genetic structure of an amphibian in an agricultural landscape	Landscape Ecology	Frog	<i>Acris blanchardi</i>	Toe clipping	Not given	Invasive
Amphibian	Zhigileva et al.	2018	GENETIC POLYMORPHISM IN AMPHIBIAN POPULATIONS OF PROTECTED AREAS IN THE SOUTH OF WESTERN SIBERIA AND THE URALS	Nature Conservation Research	Multiple	<i>Rana arvalis</i> , <i>Rana amurensis</i> , <i>Rana temporaria</i> , <i>Bufo bufo</i>	Lethal	Not given (but in accordance with regulations)	Lethal
Bird	Aguillon et al.	2017	Deconstructing isolation-by-distance: The genomic consequences of limited dispersal	Plos Genetics	Bird	<i>Aphelocoma coerulescens</i>	Blood sampling	Not given	Invasive
Bird	Armstrong et al.	2018	Genomic associations with bill length and disease reveal drift and selection across island bird populations	Evolution Letters	Bird	<i>Anthus berthelotii</i>	Blood sampling	Blood samples used also for parasite screening	Invasive
Bird	Bazzi et al.	2017	Candidate genes have sex-specific effects on timing of spring migration and moult speed in a long-distance migratory bird	Current Zoology	Bird	<i>Phylloscopus trochilus</i>	Blood sampling	Not given	Invasive
Bird	Botero-Delgado et al.	2017	Variation in fine-scale genetic structure and local dispersal patterns between peripheral populations of a South American passerine bird	Ecology and Evolution	Bird	<i>Aphrastura spinicauda</i>	Blood sampling	Not given	Invasive
Bird	Chabot et al.	2018	Migratory connectivity in the Loggerhead Shrike (<i>Lanius ludovicianus</i>)	Ecology and Evolution	Bird	<i>Lanius ludovicianus</i>	Feathers	Not given	Non-invasive
Bird	Chetverikova et al.	2017	Special case among passerine birds: long-tailed tits keep family bonds during migration	Behavioral Ecology and Sociobiology	Bird	<i>Aegithalos caudatus caudatus</i>	Blood sampling	Not given	Invasive
Bird	Costanzo et al.	2017	Extrapair fertilizations vary with female traits and pair composition, besides male attractiveness, in barn swallows	Animal Behaviour	Bird	<i>Hirundo rustica</i>	Blood sampling	Not given	Invasive
Bird	Costanzo et al.	2018	Association between extra-pair paternity and nestling sex and condition in the barn swallow	Behavioral Ecology and Sociobiology	Bird	<i>Hirundo rustica</i>	Blood sampling	Not given	Invasive
Bird	da Silva et al.	2018	Considerations for monitoring population trends of colonial waterbirds using the effective number of breeders and census estimates	Ecology and Evolution	Bird	<i>Mycteria americana</i>	Blood sampling	Not given	Invasive
Bird	da Silva et al.	2018	CNVs are associated with genomic architecture in a songbird	BMC Genomics	Bird	<i>Parus major</i>	Blood sampling	Not given	Invasive
Bird	Dalton et al.	2018	Is there genetic connectivity among the critically endangered White-winged Flufftail (<i>Sarothrura ayresii</i>) populations from South Africa and Ethiopia?	African Journal of Ecology	Bird	<i>Sarothrura ayresii</i>	Blood sampling	Not given	Invasive
Bird	Danner et al.	2017	Genetic population structure in an equatorial sparrow: roles for culture and geography	Journal of Evolutionary Biology	Bird	<i>Zonotrichia capensis</i>	Blood sampling	Not given	Invasive

Bird	Delahaie et al.	2017	Narrow hybrid zones in spite of very low population differentiation in neutral markers in an island bird species complex	Journal of Evolutionary Biology	Bird	<i>Zosterops borbonicus</i>	Blood sampling	Not given	Invasive
Bird	Dias et al.	2017	Parental and alloparental investment in campo flickers (<i>Colaptes campestris campestris</i>): when relatedness comes first	Behavioral Ecology and Sociobiology	Bird	<i>Colaptes campestris campestris</i>	Blood sampling	Not given	Invasive
Bird	Drovetski et al.	2018	A test of the European Pleistocene refugial paradigm, using a Western Palearctic endemic bird species	Proceedings of the Royal Society B-Biological Sciences	Bird	<i>Prunella modularis</i>	Blood sampling	Not given	Invasive
Bird	Duckworth et al.	2017	Hybridization Associated with Cycles of Ecological Succession in a Passerine Bird	American Naturalist	Bird	<i>Sialia currucoides</i> , <i>Sialia mexicana</i>	Blood sampling	Not given	Invasive
Bird	Edwards et al.	2018	Extra-pair parentage and personality in a cooperatively breeding bird	Behavioral Ecology and Sociobiology	Bird	<i>Acrocephalus sechellensis</i>	Blood sampling	Not given	Invasive
Bird	Ely et al.	2017	Genetic structure among greater white-fronted goose populations of the Pacific Flyway	Ecology and Evolution	Bird	<i>Anser albifrons</i>	Both	Not given	Both
Bird	FitzGerald et al.	2017	Taxonomy and distribution of the imperilled Newfoundland Gray-cheeked Thrush, <i>Catharus minimus minimus</i>	Avian Conservation and Ecology	Bird	<i>Catharus minimus minimus</i>	Blood sampling	Not given	Invasive
Bird	Franchini et al.	2017	Animal tracking meets migration genomics: transcriptomic analysis of a partially migratory bird species	Molecular Ecology	Bird	<i>Turdus merula</i>	Blood sampling	Not given	Invasive
Bird	Gienapp et al.	2017	Environment-Dependent Genotype-Phenotype Associations in Avian Breeding Time	Frontiers in Genetics	Bird	<i>Parus major</i>	Blood sampling	Not given	Invasive
Bird	Graham et al.	2017	Dispersal influences genetic and acoustic spatial structure for both males and females in a tropical songbird	Ecology and Evolution	Bird	<i>Thryophilus rufalbus</i>	Blood sampling	Not given	Invasive
Bird	Hajduk et al.	2018	Inbreeding, inbreeding depression, and infidelity in a cooperatively breeding bird	Evolution	Bird	<i>Malurus cyaneus</i>	Blood sampling	Not given	Invasive
Bird	Hall et al.	2017	Inferring the timing of long-distance dispersal between Rail metapopulations using genetic and isotopic assignments	Ecological Applications	Bird	<i>Laterallus jamaicensis coturniculus</i>	Both	Not given	Both
Bird	Indykiewicz et al.	2017	Scale-of-choice effect in the assortative mating by multiple ornamental and non-ornamental characters in the black-headed gull	Behavioral Ecology and Sociobiology	Bird	<i>Chroicocephalus ridibundu</i>	Blood sampling	Not given	Invasive
Bird	Judkins et al.	2018	Holarctic phylogeography of golden eagles (<i>Aquila chrysaetos</i>) and evaluation of alternative North American management approaches	Biological Journal of the Linnean Society	Bird	<i>Aquila chrysaetos</i>	Blood sampling	Not given	Invasive
Bird	Kenyon et al.	2017	Cultural isolation is greater than genetic isolation across an avian hybrid zone	Journal of Evolutionary Biology	Bird	<i>Setophaga virens</i> , <i>S. townsendi</i>	Blood sampling	Not given	Invasive
Bird	Kessler et al.	2018	Mitochondrial Divergence between Western and Eastern Great Bustards: Implications for Conservation and Species Status	Journal of Heredity	Bird	<i>Otis tarda</i>	Feathers	Not given	Non-invasive
Bird	Khimoun et al.	2017	Landscape genetic analyses reveal fine-scale effects of forest fragmentation in an insular tropical bird	Molecular Ecology	Bird	<i>Setophaga plumbea</i>	Blood sampling	Not given	Invasive
Bird	Kingston et al.	2017	Heterogeneity and concordance in locus-specific differentiation and introgression between species of towhees	Journal of Evolutionary Biology	Bird	<i>Pipilo maculatus</i> , <i>P. ocai</i>	Lethal	Samples to be deposited to a museum	Lethal
Bird	Kvalnes et al.	2017	Reversal of response to artificial selection on body size in a wild passerine	Evolution	Bird	<i>Passer domesticus</i>	Blood sampling	Not given	Invasive
Bird	Langin et al.	2017	Partial support for the central-marginal hypothesis within a population: reduced genetic diversity but not increased differentiation at the range edge of an island endemic bird	Heredity	Bird	<i>Aphelocoma insularis</i>	Blood sampling	Not given	Invasive
Bird	Lee et al.	2017	Genetic diversity and population structure of the Black-faced Spoonbill (<i>Platalea minor</i>) among its breeding sites in South Korea: Implication for conservation	Biochemical Systematics and Ecology	Bird	<i>Platalea minor</i>	Both	Not given	Both
Bird	Leedale et al.	2018	Fine-scale genetic structure and helping decisions in a cooperatively breeding bird	Molecular Ecology	Bird	<i>Aegithalos caudatus</i>	Blood sampling	Not given	Invasive
Bird	Lipshutz et al.	2017	Behavioural response to song and genetic divergence in two subspecies of white-crowned sparrows (<i>Zonotrichia</i>)	Molecular Ecology	Bird	<i>Zonotrichia leucophrys subsp.</i>	Blood sampling	Not given	Invasive
Bird	Lundregan et al.	2018	Inferences of genetic architecture of bill morphology in house sparrow using a high-density SNP array point to a polygenic basis	Molecular Ecology	Bird	<i>Passer domesticus</i>	Blood sampling	Not given	Invasive

Bird	McLean et al.	2017	Reassessment of a possible case of intraspecific gene flow across Australia's Great Dividing Range in the variegated fairy wren, <i>Malurus lamberti</i> (Aves: Maluridae), and its systematic consequences	Biological Journal of the Linnean Society	Bird	<i>Malurus lamberti</i> subsp.	Blood sampling	Not given	Invasive
Bird	Mori et al.	2017	Multilocus approach reveals an incipient differentiation process in the Stone-curlew, <i>Burhinus oedicnemus</i> around the Mediterranean basin	Conservation Genetics	Bird	<i>Burhinus oedicnemus</i>	Both	Not given	Both
Bird	Morinha et al.	2017	Extreme genetic structure in a social bird species despite high dispersal capacity	Molecular Ecology	Bird	<i>Pyrhocorax pyrrhocorax</i>	Both	Not given	Both
Bird	Moussy et al.	2018	The genetic structure of the European breeding populations of a declining farmland bird, the ortolan bunting (<i>Emberiza hortulana</i>), reveals conservation priorities	Conservation Genetics	Bird	<i>Emberiza hortulana</i>	Both	Not given	Both
Bird	Mueller et al.	2017	Selection on a behaviour-related gene during the first stages of the biological invasion pathway	Molecular Ecology	Bird	<i>Euplectes afer</i>	Blood sampling	Not given	Invasive
Bird	Mueller et al.	2018	Evolution of genomic variation in the burrowing owl in response to recent colonization of urban areas	Proceedings of the Royal Society B-Biological Sciences	Bird	<i>Athene cunicularia</i>)	Blood sampling	Not given	Invasive
Bird	Nwankwo et al.	2018	Rapid song divergence leads to discordance between genetic distance and phenotypic characters important in reproductive isolation	Ecology and Evolution	Bird	<i>Pogonius bilineatus</i>	Blood sampling	Not given	Invasive
Bird	Padro et al.	2018	Evidence of genetic structure in a wide-ranging and highly mobile soaring scavenger, the Andean condor	Diversity and Distributions	Bird	<i>Vultur gryphus</i>	Feathers	Not given (but endangered species)	Non-invasive
Bird	Parolini et al.	2017	Telomere length is reflected by plumage coloration and predicts seasonal reproductive success in the barn swallow	Molecular Ecology	Bird	<i>Hirundo rustica</i>	Blood sampling	Not given	Invasive
Bird	Perrier et al.	2018	Great tits and the city: Distribution of genomic diversity and gene-environment associations along an urbanization gradient	Evolutionary Applications	Bird	<i>Parus major</i>	Blood sampling	Not given	Invasive
Bird	Pulido-Santacruz et al.	2018	Morphologically cryptic Amazonian bird species pairs exhibit strong postzygotic reproductive isolation	Proceedings of the Royal Society B-Biological Sciences	Bird	<i>Willisornis poecilinotus</i> <i>griseiventris</i> , <i>W. vidua nigrigula</i> , <i>Xiphorhynchus elegans elegans</i> , <i>X. spixii</i>	Lethal	Samples to be deposited to a museum	Lethal
Bird	Radersma et al.	2017	Social and spatial effects on genetic variation between foraging flocks in a wild bird population	Molecular Ecology	Bird	<i>Parus major</i>	Blood sampling	Not given	Invasive
Bird	Rodriguez-Clark et al.	2018	Evaluating a potential source of founders for ex situ conservation efforts: genetic differentiation between disjunct populations of the Endangered red siskin <i>Spinus cucullatus</i>	Endangered Species Research	Bird	<i>Spinus cucullatus</i>	Lethal	Not given	Lethal
Bird	Saetre et al.	2017	Rapid polygenic response to secondary contact in a hybrid species	Proceedings of the Royal Society B-Biological Sciences	Bird	<i>Passer italiae</i> , <i>P. hispaniolensis</i>	Blood sampling	Not given	Invasive
Bird	Safari et al.	2018	Certainty of paternity in two coucal species with divergent sex roles: the devil takes the hindmost	BMC Evolutionary Biology	Bird	<i>Centropus grillii</i> , <i>C. superciliosus</i>	Blood sampling	Not given	Invasive
Bird	San-Jose et al.	2017	Beyond mean allelic effects: A locus at the major color gene MC1R associates also with differing levels of phenotypic and genetic (co)variance for coloration in barn owls	Evolution	Bird	<i>Tyto alba</i>	Blood sampling	Not given	Invasive
Bird	Semenov et al.	2017	Effects of assortative mate choice on the genomic and morphological structure of a hybrid zone between two bird subspecies	Molecular Ecology	Bird	<i>Motacilla alba</i> subsp.	Lethal	Samples to be deposited to a museum	Lethal
Bird	Silva et al.	2017	Insights into the genetic architecture of morphological traits in two passerine bird species	Heredity	Bird	<i>Passer domesticus</i> , <i>Ficedula albicollis</i>	Blood sampling	Not given	Invasive
Bird	Soulsbury et al.	2018	Age- and quality-dependent DNA methylation correlate with melanin-based coloration in a wild bird	Ecology and Evolution	Bird	<i>Lyrurus tetrix</i>	Blood sampling	Not given	Invasive
Bird	Stevens et al.	2018	Reduced gene flow in a vulnerable species reflects two centuries of habitat loss and fragmentation	Ecosphere	Bird	<i>Pomatostomus temporalis</i>	Blood sampling	Not given	Invasive

Bird	Trewick et al.	2017	Closing the gap: Avian lineage splits at a young, narrow seaway imply a protracted history of mixed population response	Molecular Ecology	Bird	<i>Gallirallus australis</i>	Blood sampling	Not given	Invasive
Bird	Valentin et al.	2018	Influence of invasion history on rapid morphological divergence across island populations of an exotic bird	Ecology and Evolution	Bird	<i>Cardinalis cardinalis</i>	Feathers	Not given	Non-invasive
Bird	van Rees et al.	2018	Small-scale genetic structure in an endangered wetland specialist: possible effects of landscape change and population recovery	Conservation Genetics	Bird	<i>Gallinula galeata sandvicensis</i>	Feathers	Not given	Non-invasive
Bird	Walsh et al.	2018	Bidirectional adaptive introgression between two ecologically divergent sparrow species	Evolution	Bird	<i>Ammospiza nelsoni</i> , <i>A. caudacuta</i>	Blood sampling	Not given	Invasive
Bird	Zandberg et al.	2017	Direct fitness benefits explain mate preference, but not choice, for similarity in heterozygosity levels	Ecology Letters	Bird	<i>Parus major</i>	Blood sampling	Not given	Invasive
Bird	Zhen et al.	2017	Genomic divergence across ecological gradients in the Central African rainforest songbird (<i>Andropadus virens</i>)	Molecular Ecology	Bird	<i>Andropadus virens</i>	Blood sampling	Not given	Invasive
Bird	Zhu et al.	2018	Low Genetic Diversity and Low Gene Flow Corresponded to a Weak Genetic Structure of Ruddy-Breasted Crake (<i>Porzana fusca</i>) in China	Biochemical Genetics	Bird	<i>Porzana fusca</i>	Blood sampling	Not given	Invasive
Carnivore	Adega et al.	2018	Comparative Chromosome Painting in Genets (Carnivora, Viverridae, Genetta), the Only Known Feliforms with a Highly Rearranged Karyotype	Cytogenetic and Genome Research	Genet	<i>Genetta sp.</i>	Blood sampling	Not given	Invasive
Carnivore	Anco et al.	2018	Historical mitochondrial diversity in African leopards (<i>Panthera pardus</i>) revealed by archival museum specimens	Mitochondrial DNA Part A	Leopard	<i>Panthera pardus</i>	Faeces	Not given	Non-invasive
Carnivore	Ausband et al.	2017	Harvest and group effects on pup survival in a cooperative breeder	Proceedings of the Royal Society B-Biological Sciences	Wolf	<i>Canis lupus</i>	Faeces	Not given	Non-invasive
Carnivore	Ausband et al.	2017	Effects of breeder turnover and harvest on group composition and recruitment in a social carnivore	Journal of Animal Ecology	Wolf	<i>Canis lupus</i>	Faeces	Not given	Non-invasive
Carnivore	Becker et al.	2017	Using dogs to find cats: detection dogs as a survey method for wide-ranging cheetah	Journal of Zoology	Cheetah	<i>Acinonyx jubatus</i>	Faeces	Not given	Non-invasive
Carnivore	Burton et al.	2018	Density and distribution of a brown bear (<i>Ursus arctos</i>) population within the Caucasus biodiversity hotspot	Journal of Mammalogy	Bear	<i>Ursus arctos</i>	Hair	Not given	Non-invasive
Carnivore	Carvalho et al.	2018	The effects of a motorway on movement behaviour and gene flow in a forest carnivore: Joint evidence from road mortality, radio tracking and genetics	Landscape and Urban Planning	Genet	<i>Genetta genetta</i>	Blood sampling	Not given	Invasive
Carnivore	Evans et al.	2018	Spatial genetic patterns indicate mechanism and consequences of large carnivore cohabitation within development	Ecology and Evolution	Bear	<i>Ursus americanus</i>	Hair	Not given	Non-invasive
Carnivore	Granroth-Wilding et al.	2017	Non-invasive genetic monitoring involving citizen science enables reconstruction of current pack dynamics in a re-establishing wolf population	BMC Ecology	Wolf	<i>Canis lupus</i>	Faeces	Not given	Non-invasive
Carnivore	Grauer et al.	2017	Unexpected genetic composition of a reintroduced carnivore population	Biological Conservation	Marten	<i>Martes americana</i>	Hair	Not given	Non-invasive
Carnivore	Hollerbach et al.	2018	Detection dogs allow for systematic non-invasive collection of DNA samples from Eurasian lynx	Mammalian Biology	Lynx	<i>Lynx lynx</i>	Faeces	Not given	Non-invasive
Carnivore	Karamanlidis et al.	2018	History-driven population structure and asymmetric gene flow in a recovering large carnivore at the rear-edge of its European range	Heredity	Bear	<i>Ursus arctos</i>	Hair	Not given	Non-invasive
Carnivore	Karszene et al.	2018	Noninvasive genetic assessment provides evidence of extensive gene flow and possible high movement ability in the African golden wolf	Mammalian Biology	Wolf	<i>Canis anthus</i>	Faeces	Not given	Non-invasive
Carnivore	Kojola et al.	2018	Balancing costs and confidence: volunteer-provided point observations, GPS telemetry and the genetic monitoring of Finland's wolves	Mammal Research	Wolf	<i>Canis lupus</i>	Faeces	Not given	Non-invasive
Carnivore	Linden et al.	2017	Examining the occupancy-density relationship for a low-density carnivore	Journal of Applied Ecology	Fisher	<i>Pekania pennanti</i>	Hair	Not given	Non-invasive

Carnivore	Lonsinger et al.	2018	Evaluating effective population size and genetic diversity of a declining kit fox population using contemporary and historical specimens	Ecology and Evolution	Fox	<i>Vulpes macrotis</i>	Faeces	Not given	Non-invasive
Carnivore	Lonsinger et al.	2017	The roles of habitat and intraguild predation by coyotes on the spatial dynamics of kit foxes	Ecosphere	Multiple	<i>Vulpes macrotis</i> , <i>Canis latrans</i>	Faeces	Not given	Non-invasive
Carnivore	Lonsinger et al.	2018	Estimating densities for sympatric kit foxes (<i>Vulpes macrotis</i>) and coyotes (<i>Canis latrans</i>) using noninvasive genetic sampling	Canadian Journal of Zoology	Multiple	<i>Vulpes macrotis</i> , <i>Canis latrans</i>	Faeces	Not given	Non-invasive
Carnivore	Manlick et al.	2017	Augmentation Provides Nominal Genetic and Demographic Rescue for an Endangered Carnivore	Conservation Letters	Marten	<i>Martes sp.</i>	Faeces	Not given	Non-invasive
Carnivore	McLennan et al.	2018	Pedigree reconstruction using molecular data reveals an early warning sign of gene diversity loss in an island population of Tasmanian devils (<i>Sarcophilus harrisii</i>)	Conservation Genetics	Tasmanian devils	<i>Sarcophilus harrisii</i>	Ear clipping	Not given	Invasive
Carnivore	Mora et al.	2018	Genetic structure of introduced American mink (<i>Neovison vison</i>) in Patagonia: colonisation insights and implications for control and management strategies	Wildlife Research	Mink	<i>Neovison vison</i>	Both	Not given	Both
Carnivore	Morin et al.	2018	Efficient single-survey estimation of carnivore density using fecal DNA and spatial capture-recapture: a bobcat case study	Population Ecology	bobcat	<i>Lynx rufus</i>	Faeces	Not given	Non-invasive
Carnivore	Mumma et al.	2017	Examining spatial patterns of selection and use for an altered predator guild	Oecologia	Multiple	<i>Vulpes vulpes</i> , <i>Lynx canadensis</i> , <i>Canis latrans</i> , <i>Ursus americanus</i>	Faeces	Not given	Non-invasive
Carnivore	O'Mahony et al.	2017	Non-invasively determined multi-site variation in pine marten <i>Martes martes</i> density, a recovering carnivore in Europe	European Journal of Wildlife Research	Marten	<i>Martes martes</i>	Hair	Not given	Non-invasive
Carnivore	Rutledge et al.	2017	Patchy distribution and low effective population size raise concern for an at-risk top predator	Diversity and Distributions	Wolf	<i>Canis lycaon</i>	Faeces	Not given	Non-invasive
Carnivore	Santos et al.	2017	Can MHC-assortative partner choice promote offspring diversity? A new combination of MHC-dependent behaviours among sexes in a highly successful invasive mammal	Molecular Ecology	Racoon	<i>Procyon lotor</i>	Both	Not given	Both
Carnivore	Sarkar et al.	2018	Ecological preferences of large carnivores in remote, high-altitude protected areas: insights from Buxa Tiger Reserve, India	Oryx	Tiger	<i>Panthera tigris</i>	Faeces	Not given	Non-invasive
Carnivore	Shaffer et al.	2018	Genetic variation in the eastern spotted skunk (<i>Spilogale putorius</i>) with emphasis on the plains spotted skunk (S-p.)	Journal of Mammalogy	Skunk	<i>Spilogale putorius</i>	Ear clipping	Not given	Invasive
Carnivore	Smith et al.	2018	Evaluating the effect of forest loss and agricultural expansion on Sumatran tigers from scat	Biological Conservation	Tiger	<i>Panthera tigris</i>	Faeces	Not given	Non-invasive
Carnivore	Srbek-Araujo et al.	2018	Worrisome isolation: noninvasive genetic analyses shed light on the critical status of a remnant jaguar population	Journal of Mammalogy	Jaguar	<i>Panthera onca</i>	Faeces	Not given	Non-invasive
Carnivore	Zwijacz-Kozica et al.	2017	Not European wildcats, but domestic cats inhabit Tatra National Park	Polish Journal of Ecology	Wild cat	<i>Felis silvestris</i>	Hair	Not given	Non-invasive
Mollusc	David et al.	2017	DNA barcoding of the banded mystery snail, <i>Viviparus georgianus</i> in the Adirondacks with quantification of parasitic infection in the species	American Malacological Bulletin	Marine snail	<i>Viviparus georgianus</i>	Lethal	Not given	Lethal
Mollusc	Gemmell et al.	2018	Genetic structure and shell shape variation within a rocky shore whelk suggest both diverging and constraining selection with gene flow	Biological Journal of the Linnean Society	Marine snail	<i>Buccinum vittatum</i>	Lethal	Not given	Lethal
Mollusc	Lundin et al.	2017	Intersection of historical museum collections and modern systematics: a relict population of the Arctic nudibranch <i>Dendronotus velifer</i> GO Sars, 1878 in a Swedish fjord	Contributions to Zoology	Nudibranch	<i>Dendronotus velifer</i>	Lethal	Not given	Lethal
Mollusc	Paz-Sedano et al.	2017	A new <i>Okenia</i> Menke, 1830 from the Azores Islands, Portugal (Mollusca, Nudibranchia, Goniadorididae)	Spixiana	Nudibranch	<i>Okenia menke</i>	Lethal	Not given	Lethal
Mollusc	Puillandre et al.	2017	A quest for the lost types of <i>Lophiotoma</i> (Gastropoda: Conoidea: Turridae): integrative taxonomy in a nomenclatural mess	Zoological Journal of the Linnean Society	Marine gastropod	<i>Lophiotoma</i>	Lethal	Not given	Lethal

Mollusc	Rhode et al.	2017	An assessment of spatio-temporal genetic variation in the South African abalone (<i>Haliotis midae</i>), using SNPs: implications for conservation management	Conservation Genetics	Marine snail	<i>Haliotis midae</i>	Lethal	Not given	Lethal
Mollusc	Riquet et al.	2017	Unexpected collective larval dispersal but little support for sweepstakes reproductive success in the highly dispersive brooding mollusc <i>Crepidula</i>	Molecular Ecology	Marine snail	<i>Crepidula fornicata</i>	Lethal	Not given	Lethal
Mollusc	Robicheau et al.	2017	Evidence for extreme sequence divergence between the male- and female-transmitted mitochondrial genomes in the bivalve mollusc, <i>Modiolus modiolus</i> (Mytilidae)	Journal of Zoological Systematics and Evolutionary Research	Mussel	<i>Modiolus modiolus</i>	Lethal	Not given	Lethal
Mollusc	Sandoval-Castillo et al.	2018	Seascape genomics reveals adaptive divergence in a connected and commercially important mollusc, the greenlip abalone (<i>Haliotis laevigata</i>), along a longitudinal environmental gradient	Molecular Ecology	Marine snail	<i>Haliotis laevigata</i>	Lethal	Not given	Lethal
Mollusc	Song et al.	2017	Genetic and evolutionary patterns of innate immune genes in the Pacific oyster <i>Crassostrea gigas</i>	Developmental and Comparative Immunology	Mussel	<i>Crassostrea gigas</i>	Lethal	Not given	Lethal
Mollusc	Vallejo et al.	2017	First record of the Charru mussel <i>Mytella charruana</i> d'Orbigny, 1846 (Bivalvia: Mytilidae) from Manila Bay, Luzon, Philippines	Bioinvasions Records	Mussel	<i>Mytella charruana</i>	Lethal	Not given	Lethal
Mollusc	Mikkelsen et al.	2018	One or many? Molecular versus morphological diversity in the aplousophoran <i>Chaetoderma nitidulum</i> Loven, 1844 (Mollusca: Caudofoveata)	Journal of Molluscan Studies	Marine mollusc	<i>Chaetoderma nitidulum</i>	Lethal	Not given	Lethal
Rodent	Aguilera-Miller et al.	2018	Matrilineal genealogies suggest a very low dispersal in desert rodent females	Journal of Arid Environments	Mouse	<i>Chaetodipus siccus</i>	Lethal	Not given	Lethal
Rodent	Baker et al.	2017	Elevated mitochondrial genome variation after 50 generations of radiation exposure in a wild rodent	Evolutionary Applications	Vole	<i>Myodes glareolus</i>	Lethal	Not given	Lethal
Rodent	Bani et al.	2017	Population genetic structure and sex-biased dispersal of the hazel dormouse (<i>Muscardinus avellanarius</i>) in a continuous and in a fragmented landscape in central Italy	Conservation Genetics	Dormouse	<i>Muscardinus avellanarius</i>	Ear clipping	Not given	Invasive
Rodent	Bisconti et al.	2018	Forest Dormouse (<i>Dryomys nitedula</i>) populations in southern Italy belong to a deeply divergent evolutionary lineage: implications for taxonomy and conservation	Hystrix-Italian Journal of Mammalogy	Dormouse	<i>Dryomys nitedula</i>	Tail clipping	This species uses tail autotomy as an anti-predator behaviour	Invasive
Rodent	Bonnet et al.	2017	Bigger Is Fitter? Quantitative Genetic Decomposition of Selection Reveals an Adaptive Evolutionary Decline of Body Mass in a Wild Rodent Population	Plos Biology	Vole	<i>Chionomys nivalis</i>	Ear clipping	Not given	Invasive
Rodent	Bradley et al.	2017	Genetic distinctiveness of the Waikawa Island mouse population indicates low rate of dispersal from mainland New Zealand	New Zealand Journal of Ecology	Mouse	<i>Mus musculus</i>	Lethal	Not given	Lethal
Rodent	Bryja et al.	2018	Differentiation underground: Range-wide multilocus genetic structure of the silvery mole-rat does not support current taxonomy based on mitochondrial sequences	Mammalian Biology	Mole-rat	<i>Heliophobius argenteocinereus</i>	Lethal	Not given	Lethal
Rodent	Bryja et al.	2018	Reticulate Pleistocene evolution of Ethiopian rodent genus along remarkable altitudinal gradient	Molecular Phylogenetics and Evolution	Mouse	<i>Stenocephalemys sp.</i>	Lethal	Not given	Lethal
Rodent	Coker et al.	2017	Genetic structure of wild and domesticated grasscutters (<i>Thryonomys swinderianus</i>) from south-western Nigeria	African Zoology	Rat	<i>Thryonomys swinderianus</i>	Lethal	Not given	Lethal
Rodent	Combs et al.	2018	Spatial population genomics of the brown rat (<i>Rattus norvegicus</i>) in New York City	Molecular Ecology	Rat	<i>Rattus norvegicus</i>	Lethal	Not given	Lethal
Rodent	Greene et al.	2017	Reintroduction of captive-born beach mice: the importance of demographic and genetic monitoring	Journal of Mammalogy	Mouse	<i>Peromyscus polionotus trissyllepsis</i>	Tail clipping	Not given	Invasive
Rodent	Holicova et al.	2018	New record of <i>Microtus mystacinus</i> in eastern Kazakhstan: phylogeographical considerations	Zookeys	Vole	<i>Microtus mystacinus</i>	Lethal	Not given	Lethal
Rodent	Kyriazis et al.	2017	Dynamics of genetic and morphological diversification in an incipient intra-island radiation of Philippine rodents (Muridae: <i>Bullimus</i>)	Journal of Biogeography	Rat	<i>Bullimus luzonicus</i>	Lethal	Not given	Lethal
Rodent	La Haye et al.	2017	Genetic monitoring to evaluate reintroduction attempts of a highly endangered rodent	Conservation Genetics	Hamster	<i>Cricetus cricetus</i>	Hair	Not given (endangered species)	Non-invasive

Rodent	Leo et al.	2017	Microsatellite markers reveal low frequency of natural hybridization between the white-footed mouse (<i>Peromyscus leucopus</i>) and deer mouse (<i>Peromyscus maniculatus</i>) in southern Quebec, Canada	Genome	Multiple	<i>Peromyscus leucopus</i> , <i>Peromyscus maniculatus</i>	Lethal	Not given	Lethal
Rodent	Lion et al.	2018	Genetic patterns in fragmented habitats: a case study for two <i>Peromyscus</i> species in southern California	Journal of Mammalogy	Deer mouse	<i>Peromyscus californicus</i> , <i>P. fraterculus</i>	Ear clipping	Not given	Invasive
Rodent	Lippens et al.	2017	Genetic structure and invasion history of the house mouse (<i>Mus musculus domesticus</i>) in Senegal, West Africa: a legacy of colonial and contemporary times	Heredity	Mouse	<i>Mus musculus</i>	Lethal	Not given	Lethal
Rodent	Mora et al.	2017	Landscape genetics in the subterranean rodent <i>Ctenomys "chasiquensis"</i> associated with highly disturbed habitats from the southeastern Pampas region, Argentina	Genetica	Tuco-tuco	<i>Ctenomys "chasiquensis"</i>	Toe clipping	Toe clipping used because there were issues with blood sampling	Invasive
Rodent	Moska et al.	2018	Genetic differentiation of the edible dormouse (<i>Glis glis</i>) in the Polish Sudetens: the current status of an endangered species	Journal of Zoology	Dormouse	<i>Glis glis</i>	Hair	Endangered species	Non-invasive
Rodent	Ortiz et al.	2017	Genetic population structure of the long-tailed pygmy rice rat (<i>Rodentia, Cricetidae</i>) at different geographic scales in the Argentinean Patagonia	Journal of Zoology	Rat	<i>Oligoryzomys longicaudatus</i>	Lethal	Not given	Lethal
Rodent	Seker et al.	2018	Geographical Distribution Pattern of Mitochondrial DNA Cytochrome b Diversity in Populations of <i>Arvicola amphibius</i> (Linnaeus, 1758) (Mammalia: Rodentia) in Turkey as Determined by PCR-RFLP	Acta Zoologica Bulgarica	Vole	<i>Arvicola amphibius</i>	Lethal	Not given	Lethal
Rodent	Sumbera et al.	2018	Ethiopian highlands as a cradle of the African fossorial root-rats (genus <i>Tachyoryctes</i>), the genetic evidence	Molecular Phylogenetics and Evolution	Rat	<i>Tachyoryctes sp.</i>	Lethal	Not given	Lethal
Rodent	Urgoiti et al.	2018	Distribution and space use of seed-dispersing rodents in central Pyrenees: implications for genetic diversity, conservation and plant recruitment	Integrative Zoology	Multiple	<i>Apodemus flavicollis</i> , <i>A. sylvaticus</i> , <i>Elyomys quercinus</i> , <i>Myodes glareolus</i>	Tail clipping	Not given	Invasive
Rodent	Wang et al.	2017	Restricted dispersal determines fine-scale spatial genetic structure of Mongolian gerbils	Current Zoology	Gerbil	<i>Meriones unguiculatus</i>	Toe clipping	Toe clipping also used for marking	Invasive
Rodent	Weber et al.	2018	Multiple paternity in a population of free-living edible dormice (<i>Glis glis</i>)	Mammalian Biology	Dormouse	<i>Glis glis</i>	Buccal swabs	Not given	Non-invasive