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**Comparative genomics reveals insights into avian genome evolution and adaptation**

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800	Temporal genomic evolution of bird sex chromosomes. <b>2014</b> , 14, 250		31
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798	Low frequency of paleoviral infiltration across the avian phylogeny. <b>2014</b> , 15, 539		43
797	Evidence for GC-biased gene conversion as a driver of between-lineage differences in avian base composition. <b>2014</b> , 15, 549		52
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795	Convergent transcriptional specializations in the brains of humans and song-learning birds. <i>Science</i> , <b>2014</b> , 346, 1256846	33.3	283
794	Three crocodylian genomes reveal ancestral patterns of evolution among archosaurs. <i>Science</i> , <b>2014</b> , 346, 1254449	33.3	231
793	Whole-genome analyses resolve early branches in the tree of life of modern birds. <i>Science</i> , <b>2014</b> , 346, 1320-31	33.3	1182
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790	Reconstruction of gross avian genome structure, organization and evolution suggests that the chicken lineage most closely resembles the dinosaur avian ancestor. <b>2014</b> , 15, 1060		52
789	Comparative genomics reveals molecular features unique to the songbird lineage. <b>2014</b> , 15, 1082		27
788	Comparative genomic data of the Avian Phylogenomics Project. <b>2014</b> , 3, 26		91
787	Two Antarctic penguin genomes reveal insights into their evolutionary history and molecular changes related to the Antarctic environment. <b>2014</b> , 3, 27		50

786	The birds of Genome10K. <b>2014</b> , 3, 32	6
785	Kr/Kc but not dN/dS correlates positively with body mass in birds, raising implications for inferring lineage-specific selection. <b>2014</b> , 15, 542	40
784	Gene turnover in the avian globin gene families and evolutionary changes in hemoglobin isoform expression. <b>2015</b> , 32, 871-87	31
783	The first whole genome and transcriptome of the cinereous vulture reveals adaptation in the gastric and immune defense systems and possible convergent evolution between the Old and New World vultures. <b>2015</b> , 16, 215	32
782	The locus of sexual selection: moving sexual selection studies into the post-genomics era. <b>2015</b> , 28, 739-55	39
781	Living without DAT: Loss and compensation of the dopamine transporter gene in sauropsids (birds and reptiles). <b>2015</b> , 5, 14093	8
780	A blueprint for vocal learning: auditory predispositions from brains to genomes. <b>2015</b> , 11,	24
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778	Divergence and gene flow among Darwin's finches: A genome-wide view of adaptive radiation driven by interspecies allele sharing. <b>2015</b> , 37, 968-74	14
777	Gene loss, adaptive evolution and the co-evolution of plumage coloration genes with opsins in birds. <b>2015</b> , 16, 751	37
776	Tradeoff between robustness and elaboration in carotenoid networks produces cycles of avian color diversification. <b>2015</b> , 10, 45	15
775	Endocrine FGFs: Evolution, Physiology, Pathophysiology, and Pharmacotherapy. <b>2015</b> , 6, 154	60
774	Integrating insights across diverse taxa: challenges for understanding social evolution. <b>2015</b> , 3,	16
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772	Conservation and losses of non-coding RNAs in avian genomes. <b>2015</b> , 10, e0121797	14
771	Rates of karyotypic evolution in Estrildid finches differ between island and continental clades. <b>2015</b> , 69, 890-903	43
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769	It's more than stamp collecting: how genome sequencing can unify biological research. <b>2015</b> , 31, 411-21	27

768	Improving the ostrich genome assembly using optical mapping data. <b>2015</b> , 4, 24	22
767	The Genome of the "Great Speciator" Provides Insights into Bird Diversification. <b>2015</b> , 7, 2680-91	34
766	A refined model of the genomic basis for phenotypic variation in vertebrate hemostasis. <b>2015</b> , 15, 124	10
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761	Avian genomics: fledging into the wild!. <b>2015</b> , 156, 851-865	41
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759	Lineage-specific loss of FGF17 within the avian orders Galliformes and Passeriformes. <b>2015</b> , 563, 180-9	3
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756	Temporal Dynamics of Avian Populations during Pleistocene Revealed by Whole-Genome Sequences. <b>2015</b> , 25, 1375-80	135
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754	Subspecies and the philosophy of science. <b>2015</b> , 132, 481-485	61
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749	Surviving as an underrepresented minority scientist in a majority environment. <b>2015</b> , 26, 3692-6	3
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746	Contribution of a mutational hot spot to hemoglobin adaptation in high-altitude Andean house wrens. <b>2015</b> , 112, 13958-63	60
745	The Origin and Diversification of Birds. <b>2015</b> , 25, R888-98	124
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743	Novelty and Innovation in the History of Life. <b>2015</b> , 25, R930-40	86
742	Convergent evolution of cysteine-rich proteins in feathers and hair. <b>2015</b> , 15, 82	51
741	Birds Generally Carry a Small Repertoire of Bitter Taste Receptor Genes. <b>2015</b> , 7, 2705-15	40
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739	Flying ticks: anciently evolved associations that constitute a risk of infectious disease spread. <b>2015</b> , 8, 538	30
738	Gekko japonicus genome reveals evolution of adhesive toe pads and tail regeneration. <b>2015</b> , 6, 10033	94
737	Nonparadoxical evolutionary stability of the recombination initiation landscape in yeast. <i>Science</i> , <b>2015</b> , 350, 932-7	333 76
736	Stable recombination hotspots in birds. <i>Science</i> , <b>2015</b> , 350, 928-32	333 187
735	Avian medicine: An overview. <b>2016</b> , 1-21	1
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725	The evolutionary history of genes involved in spoken and written language: beyond FOXP2. <b>2016</b> , 6, 22157	39
724	Bone-associated gene evolution and the origin of flight in birds. <b>2016</b> , 17, 371	5
723	Complete mitochondrial genomes of living and extinct pigeons revise the timing of the columbiform radiation. <b>2016</b> , 16, 230	25
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718	Multiple instances of paraphyletic species and cryptic taxa revealed by mitochondrial and nuclear RAD data for <i>Calandrella</i> larks (Aves: Alaudidae). <b>2016</b> , 102, 233-45	12
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716	Characterization of Chicken Thyroid Hormone Transporters. <b>2016</b> , 157, 2560-74	21
715	A beak size locus in Darwin's finches facilitated character displacement during a drought. <i>Science</i> , <b>2016</b> , 352, 470-4	33-3 151

714	Why are some species older than others? A large-scale study of vertebrates. <b>2016</b> , 16, 90	8
713	Genomic Landscape of Long Terminal Repeat Retrotransposons (LTR-RTs) and Solo LTRs as Shaped by Ectopic Recombination in Chicken and Zebra Finch. <b>2016</b> , 82, 251-63	10
712	Hearing and Hormones. <b>2016</b> ,	3
711	Regulatory Differences in Natal Down Development between Altricial Zebra Finch and Precocial Chicken. <b>2016</b> , 33, 2030-43	10
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708	The phylogenomic forest of bird trees contains a hard polytomy at the root of Neoaves. <b>2016</b> , 45, 50-62	78
707	Structuring evolution: biochemical networks and metabolic diversification in birds. <b>2016</b> , 16, 168	20
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705	Well-characterized sequence features of eukaryote genomes and implications for ab initio gene prediction. <b>2016</b> , 14, 298-303	7
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703	Recombination patterns reveal information about centromere location on linkage maps. <b>2016</b> , 16, 655-61	14
702	Incorporating tree-thinking and evolutionary time scale into developmental biology. <b>2016</b> , 58, 131-42	13
701	The conservation genetics juggling act: integrating genetics and ecology, science and policy. <b>2016</b> , 9, 181-95	31
700	Irrational exuberance for resolved species trees. <b>2016</b> , 70, 7-17	113
699	Utility of closely related taxa for genetic studies of adaptive variation and speciation: Current state and perspectives in plants with focus on forest tree species. <b>2016</b> , 54, 17-28	5
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696	Ancient horizontal transfers of retrotransposons between birds and ancestors of human pathogenic nematodes. <b>2016</b> , 7, 11396	55
695	Gene Tree Discordance Can Generate Patterns of Diminishing Convergence over Time. <b>2016</b> , 33, 3299-3307	40
694	Building strong relationships between conservation genetics and primary industry leads to mutually beneficial genomic advances. <b>2016</b> , 25, 5267-5281	12
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692	Genome-wide differentiation in closely related populations: the roles of selection and geographic isolation. <b>2016</b> , 25, 3865-83	33
691	Expressed miRNAs target feather related mRNAs involved in cell signaling, cell adhesion and structure during chicken epidermal development. <b>2016</b> , 591, 393-402	13
690	Direct estimate of the rate of germline mutation in a bird. <b>2016</b> , 26, 1211-8	106
689	Parallel and Convergent Molecular Evolution. <b>2016</b> , 206-211	0
688	The state of play in higher eukaryote gene annotation. <b>2016</b> , 17, 758-772	48
687	Penguins reduced olfactory receptor genes common to other waterbirds. <b>2016</b> , 6, 31671	11
686	Absence of N-terminal acetyltransferase diversification during evolution of eukaryotic organisms. <b>2016</b> , 6, 21304	34
685	Genome and metagenome analyses reveal adaptive evolution of the host and interaction with the gut microbiota in the goose. <b>2016</b> , 6, 32961	22
684	SNPs across time and space: population genomic signatures of founder events and epizootics in the House Finch (). <b>2016</b> , 6, 7475-7489	29
683	Predictable convergence in hemoglobin function has unpredictable molecular underpinnings. <i>Science</i> , <b>2016</b> , 354, 336-339	33.3 140
682	Refuting the hypothesis that the acquisition of germ plasm accelerates animal evolution. <b>2016</b> , 7, 12637	8
681	Exploring lateral genetic transfer among microbial genomes using TF-IDF. <b>2016</b> , 6, 29319	10
680	Estimation of the role of single nucleotide polymorphism in lymphotoxin beta gene during pig domestication based on the bioinformatic and experimental approaches. <b>2016</b> , 6, 816-824	1
679	The Global Genome Biodiversity Network (GGBN) Data Standard specification. <b>2016</b> , 2016,	30



678	Characterization of the genome and transcriptome of the blue tit <i>Cyanistes caeruleus</i> : polymorphisms, sex-biased expression and selection signals. <b>2016</b> , 16, 549-61	19
677	Reference sequence (RefSeq) database at NCBI: current status, taxonomic expansion, and functional annotation. <b>2016</b> , 44, D733-45	2530
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675	A simple method for studying the molecular mechanisms of ultraviolet and violet reception in vertebrates. <b>2016</b> , 16, 64	12
674	Targeted sequencing for high-resolution evolutionary analyses following genome duplication in salmonid fish: Proof of concept for key components of the insulin-like growth factor axis. <b>2016</b> , 30, 15-26	14
673	The functions of vocal learning in parrots. <b>2016</b> , 70, 293-312	51
672	Evolutionary signals of selection on cognition from the great tit genome and methylome. <b>2016</b> , 7, 10474	125
671	Mapping centromeres of microchromosomes in the zebra finch ( <i>Taeniopygia guttata</i> ) using half-tetrad analysis. <b>2016</b> , 125, 757-68	10
670	Full Issue. <b>2016</b> , 133, i-i	
669	Comprehensive Transcriptome Analysis of Six Catfish Species from an Altitude Gradient Reveals Adaptive Evolution in Tibetan Fishes. <b>2015</b> , 6, 141-8	23
668	Whole-Genome Identification, Phylogeny, and Evolution of the Cytochrome P450 Family 2 (CYP2) Subfamilies in Birds. <b>2016</b> , 8, 1115-31	15
667	Construction of Ultradense Linkage Maps with Lep-MAP2: Stickleback F2 Recombinant Crosses as an Example. <b>2015</b> , 8, 78-93	86
666	Contrasting Patterns of Evolutionary Diversification in the Olfactory Repertoires of Reptile and Bird Genomes. <b>2016</b> , 8, 470-80	13
665	Perspectives from the Avian Phylogenomics Project: Questions that Can Be Answered with Sequencing All Genomes of a Vertebrate Class. <b>2016</b> , 4, 45-59	34
664	Identification of the Long-Sought Leptin in Chicken and Duck: Expression Pattern of the Highly GC-Rich Avian leptin Fits an Autocrine/Paracrine Rather Than Endocrine Function. <b>2016</b> , 157, 737-51	75
663	Gene Tree Discordance Causes Apparent Substitution Rate Variation. <b>2016</b> , 65, 711-21	99
662	DNA Editing of LTR Retrotransposons Reveals the Impact of APOBECs on Vertebrate Genomes. <b>2016</b> , 33, 554-67	22
661	Life History Traits, Protein Evolution, and the Nearly Neutral Theory in Amniotes. <b>2016</b> , 33, 1517-27	46

660	Linkage mapping of a polymorphic plumage locus associated with intermorph incompatibility in the Gouldian finch ( <i>Erythrura gouldiae</i> ). <b>2016</b> , 116, 409-16	3
659	Detecting the Anomaly Zone in Species Trees and Evidence for a Misleading Signal in Higher-Level Skink Phylogeny (Squamata: Scincidae). <b>2016</b> , 65, 465-77	57
658	Structural genomic changes underlie alternative reproductive strategies in the ruff ( <i>Philomachus pugnax</i> ). <b>2016</b> , 48, 84-8	214
657	Complete mitochondrial genome of the American flamingo, <i>Phoenicopterus ruber</i> (Phoenicopteriformes, Phoenicopteridae). <b>2016</b> , 27, 3519-20	3
656	Evolution of the CNS myelin gene regulatory program. <b>2016</b> , 1641, 111-121	31
655	Genomic approaches to understanding population divergence and speciation in birds. <b>2016</b> , 133, 13-30	50
654	New animal phylogeny: future challenges for animal phylogeny in the age of phylogenomics. <b>2016</b> , 16, 419-426	33
653	Sequence capture of ultraconserved elements from bird museum specimens. <b>2016</b> , 16, 1189-203	146
652	The complete mitochondrial genome of the White-throated Tinamou, <i>Tinamus guttatus</i> (Tinamiformes, Tinamidae). <b>2016</b> , 27, 2800-1	5
651	The complete mitochondrial genome of the American crow, <i>Corvus brachyrhynchos</i> (Passeriformes, Corvidae). <b>2016</b> , 27, 4213-4214	4
650	Complete mitochondrial genome and phylogenetic analysis of the chimney swift, <i>Chaetura pelagica</i> . <b>2017</b> , 28, 221-222	2
649	Eggshell palaeogenomics: Palaeognath evolutionary history revealed through ancient nuclear and mitochondrial DNA from Madagascan elephant bird ( <i>Aepyornis</i> sp.) eggshell. <b>2017</b> , 109, 151-163	42
648	Identification and evolutionary analysis of long non-coding RNAs in zebra finch. <b>2017</b> , 18, 117	10
647	Chicken () endogenous retrovirus generates genomic variations in the chicken genome. <b>2017</b> , 8, 2	13
646	Uniclust databases of clustered and deeply annotated protein sequences and alignments. <b>2017</b> , 45, D170-D176	99
645	Evolution of cancer suppression as revealed by mammalian comparative genomics. <b>2017</b> , 42, 40-47	31
644	Extreme genetic structure in a social bird species despite high dispersal capacity. <b>2017</b> , 26, 2812-2825	13
643	An improved genome assembly uncovers prolific tandem repeats in Atlantic cod. <b>2017</b> , 18, 95	96

642	Functional roles of Aves class-specific cis-regulatory elements on macroevolution of bird-specific features. <b>2017</b> , 8, 14229	44
641	Dynamics of genome size evolution in birds and mammals. <b>2017</b> , 114, E1460-E1469	187
640	The Evolution and Genetics of Carotenoid Processing in Animals. <b>2017</b> , 33, 171-182	81
639	Molecular Profiling Reveals Insight into Avian Brain Organization and Functional Columnar Commonalities with Mammals. <b>2017</b> , 273-289	3
638	Low diversity, activity, and density of transposable elements in five avian genomes. <b>2017</b> , 17, 427-439	14
637	Mechanism of salinomycin overproduction in <i>Streptomyces albus</i> as revealed by comparative functional genomics. <b>2017</b> , 101, 4635-4644	12
636	Evolution of the functionally conserved DCC gene in birds. <b>2017</b> , 7, 42029	5
635	The Avian Lingual and Laryngeal Apparatus Within the Context of the Head and Jaw Apparatus, with Comparisons to the Mammalian Condition: Functional Morphology and Biomechanics of Evaporative Cooling, Feeding, Drinking, and Vocalization. <b>2017</b> , 27-97	12
634	Genetic diversity is largely unpredictable but scales with museum occurrences in a species-rich clade of Australian lizards. <b>2017</b> , 284,	9
633	The Biology of the Avian Respiratory System. <b>2017</b> ,	3
632	Upgrading short-read animal genome assemblies to chromosome level using comparative genomics and a universal probe set. <b>2017</b> , 27, 875-884	62
631	Vomeronal Receptors in Vertebrates and the Evolution of Pheromone Detection. <b>2017</b> , 5, 353-370	55
630	Conserved Nonexonic Elements: A Novel Class of Marker for Phylogenomics. <b>2017</b> , 66, 1028-1044	33
629	Similar Ratios of Introns to Intergenic Sequence across Animal Genomes. <b>2017</b> , 9, 1582-1598	26
628	Purifying selection and concerted evolution of RNA-sensing toll-like receptors in migratory waders. <b>2017</b> , 53, 135-145	11
627	Coevolution of coloration and colour vision?. <b>2017</b> , 372,	30
626	Why Do Phylogenomic Data Sets Yield Conflicting Trees? Data Type Influences the Avian Tree of Life more than Taxon Sampling. <b>2017</b> , 66, 857-879	151
625	Recurrent DCC gene losses during bird evolution. <b>2017</b> , 7, 37569	14

624	Localization of Alpha-Keratin and Beta-Keratin (Corneous Beta Protein) in the Epithelium on the Ventral Surface of the Lingual Apex and Its Lingual Nail in the Domestic Goose ( <i>Anser Anser f. domestica</i> ) by Using Immunohistochemistry and Raman Microspectroscopy Analysis. <b>2017</b> , 300, 1361-1368	12
623	Comparative genomics reveals contraction in olfactory receptor genes in bats. <b>2017</b> , 7, 259	11
622	Chromosomal Mapping of Repetitive DNAs in <i>Myiopsitta monachus</i> and <i>Amazona aestiva</i> (Psittaciformes, Psittacidae) with Emphasis on the Sex Chromosomes. <b>2017</b> , 151, 151-160	21
621	Relationships Among Powered Flight, Metabolic Rate, Body Mass, Genome Size, and the Retrotransposon Complement of Volant Birds. <b>2017</b> , 44, 261-272	6
620	Evolution of bird genomes-a transposon's-eye view. <b>2017</b> , 1389, 164-185	66
619	Avian Genomes Revisited: Hidden Genes Uncovered and the Rates versus Traits Paradox in Birds. <b>2017</b> , 34, 3123-3131	54
618	Genome-Guided Phylo-Transcriptomic Methods and the Nuclear Phylogenetic Tree of the Paniceae Grasses. <b>2017</b> , 7, 13528	19
617	Application of a CAGE Method to an Avian Development Study. <b>2017</b> , 1650, 101-109	1
616	Evolution and Diversity of Transposable Elements in Vertebrate Genomes. <b>2017</b> , 9, 161-177	125
615	De novo PacBio long-read and phased avian genome assemblies correct and add to reference genes generated with intermediate and short reads. <b>2017</b> , 6, 1-16	97
614	Deciphering the Origin and Evolution of Hepatitis B Viruses by Means of a Family of Non-enveloped Fish Viruses. <b>2017</b> , 22, 387-399.e6	90
613	Evolution of Vocal Diversity through Morphological Adaptation without Vocal Learning or Complex Neural Control. <b>2017</b> , 27, 2677-2683.e3	20
612	Chromosomal inversion differences correlate with range overlap in passerine birds. <b>2017</b> , 1, 1526-1534	55
611	Whole-genome sequencing approaches for conservation biology: Advantages, limitations and practical recommendations. <b>2017</b> , 26, 5369-5406	125
610	Comparative Genomics as a Foundation for Evo-Devo Studies in Birds. <b>2017</b> , 1650, 11-46	9
609	Annotated Draft Genome Assemblies for the Northern Bobwhite ( <i>)</i> and the Scaled Quail ( <i>)</i> Reveal Disparate Estimates of Modern Genome Diversity and Historic Effective Population Size. <b>2017</b> , 7, 3047-3058	19
608	Heterogeneous Patterns of Genetic Diversity and Differentiation in European and Siberian Chiffchaff ( <i>)</i> . <b>2017</b> , 7, 3983-3998	4
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604	Correspondence on Lovell et al.: response to Bornel $\ddot{u}$ et al. <b>2017</b> , 18, 113	3
603	Mirror neurons in the tree of life: mosaic evolution, plasticity and exaptation of sensorimotor matching responses. <b>2017</b> , 92, 1819-1841	22
602	Comprehensive Molecular Characterization of Bacterial Communities in Feces of Pet Birds Using 16S Marker Sequencing. <b>2017</b> , 73, 224-235	23
601	The genome sequence and insights into the immunogenetics of the bananaquit (Passeriformes: <i>Coereba flaveola</i> ). <b>2017</b> , 69, 175-186	7
600	Chromosome Painting in Tyrant Flycatchers Confirms a Set of Inversions Shared by Oscines and Suboscines (Aves, Passeriformes). <b>2017</b> , 153, 205-212	11
599	Sexual Differentiation of Brain and Behavior in Birds. <b>2017</b> , 185-224	7
598	Determinants of the Efficacy of Natural Selection on Coding and Noncoding Variability in Two Passerine Species. <b>2017</b> , 9, 2987-3007	24
597	Comparative genome-wide polymorphic microsatellite markers in Antarctic penguins through next generation sequencing. <b>2017</b> , 40, 676-687	8
596	The Role of Alternative Splicing and Differential Gene Expression in Cichlid Adaptive Radiation. <b>2017</b> , 9, 2764-2781	29
595	The genome of the Antarctic-endemic copepod, <i>Tigriopus kingsejongensis</i> . <b>2017</b> , 6, 1-9	8
594	Genomic Organization of Repetitive DNA in Woodpeckers (Aves, Piciformes): Implications for Karyotype and ZW Sex Chromosome Differentiation. <b>2017</b> , 12, e0169987	24
593	Comparative Cytogenetics between Two Important Songbird, Models: The Zebra Finch and the Canary. <b>2017</b> , 12, e0170997	19
592	The Agassiz's desert tortoise genome provides a resource for the conservation of a threatened species. <b>2017</b> , 12, e0177708	16
591	Identification, chromosomal arrangements and expression analyses of the evolutionarily conserved <i>prmt1</i> gene in chicken in comparison with its vertebrate paralogue <i>prmt8</i> . <b>2017</b> , 12, e0185042	4
590	Systematic analysis of transcription start sites in avian development. <b>2017</b> , 15, e2002887	22
589	Ice age unfrozen: severe effect of the last interglacial, not glacial, climate change on East Asian avifauna. <b>2017</b> , 17, 244	19

588	Evolution of beak morphology in the Ground Tit revealed by comparative transcriptomics. <b>2017</b> , 14, 58	10
587	Evolutionary history of the element in avian genomes. <b>2017</b> , 8, 11	3
586	emergence of SINE retroposons during the early evolution of passerine birds. <b>2017</b> , 8, 21	10
585	Mapping of leptin and its syntenic genes to chicken chromosome 1p. <b>2017</b> , 18, 77	21
584	Northern Spotted Owl ( <i>Strix occidentalis caurina</i> ) Genome: Divergence with the Barred Owl ( <i>Strix varia</i> ) and Characterization of Light-Associated Genes. <b>2017</b> , 9, 2522-2545	16
583	A dual transcript-discovery approach to improve the delimitation of gene features from RNA-seq data in the chicken model. <b>2018</b> , 7,	4
582	Amphibian and Avian Karyotype Evolution: Insights from Lampbrush Chromosome Studies. <b>2017</b> , 8,	3
581	Evolutionary Trends in Hearing in Nonmammalian Vertebrates. <b>2017</b> , 291-308	1
580	Computational Synteny Analysis Promotes a Better Understanding of Chromosome Evolution. <b>2017</b> , 82, 101-104	1
579	The transcriptome of early chicken embryos reveals signaling pathways governing rapid asymmetric cellularization and lineage segregation. <b>2018</b> , 145,	12
578	Viable Cell Culture Banking for Biodiversity Characterization and Conservation. <b>2018</b> , 6, 83-98	13
577	Improved Genome Assembly and Annotation for the Rock Pigeon ( <i>Columba livia</i> ). <b>2018</b> , 8, 1391-1398	34
576	Identification of a Transcriptionally Forward $\beta$ Gene and Two $\gamma$ Genes within the Pigeon ( <i>Columba livia</i> ) IgH Gene Locus. <b>2018</b> , 200, 3720-3728	3
575	Evolution-Guided Structural and Functional Analyses of the HERC Family Reveal an Ancient Marine Origin and Determinants of Antiviral Activity. <b>2018</b> , 92,	10
574	Genomics studies on musical aptitude, music perception, and practice. <b>2018</b> , 1423, 82	13
573	G-Anchor: a novel approach for whole-genome comparative mapping utilizing evolutionary conserved DNA sequences. <b>2018</b> , 7,	3
572	Hologenomic adaptations underlying the evolution of sanguivory in the common vampire bat. <b>2018</b> , 2, 659-668	64
571	Global macroevolution and macroecology of passerine song. <b>2018</b> , 72, 944-960	19

570	Sex chromosomes and speciation in birds and other ZW systems. <b>2018</b> , 27, 3831-3851	51
569	Comparative Genomics Reveals Accelerated Evolution in Conserved Pathways during the Diversification of Anole Lizards. <b>2018</b> , 10, 489-506	23
568	Gene Turnover and Diversification of the $\beta$ and $\beta$ Globin Gene Families in Sauropsid Vertebrates. <b>2018</b> , 10, 344-358	10
567	Coelacanth-specific adaptive genes give insights into primitive evolution for water-to-land transition of tetrapods. <b>2018</b> , 38, 89-95	1
566	FANCD2 binding identifies conserved fragile sites at large transcribed genes in avian cells. <b>2018</b> , 46, 1280-1294	27
565	Integrated tool for microsatellite isolation and validation from the reference genome and their application in the study of breeding turnover in an endangered avian population. <b>2018</b> , 13, 553-568	6
564	The curious case of peroxiredoxin-5: what its absence in aves can tell us and how it can be used. <b>2018</b> , 18, 18	6
563	Analysis of MAPK and MAPKK gene families in wheat and related Triticeae species. <b>2018</b> , 19, 178	20
562	Madagascar ground gecko genome analysis characterizes asymmetric fates of duplicated genes. <b>2018</b> , 16, 40	21
561	CNVs are associated with genomic architecture in a songbird. <b>2018</b> , 19, 195	8
560	Testing the impact of effective population size on speciation rates - a negative correlation or lack thereof in lichenized fungi. <b>2018</b> , 8, 5729	3
559	Unfinished Business: Evolution of the MHC and the Adaptive Immune System of Jawed Vertebrates. <b>2018</b> , 36, 383-409	56
558	The first whole transcriptomic exploration of pre-oviposited early chicken embryos using single and bulked embryonic RNA-sequencing. <b>2018</b> , 7, 1-9	8
557	A genomics approach reveals insights into the importance of gene losses for mammalian adaptations. <b>2018</b> , 9, 1215	97
556	The Most Developmentally Truncated Fishes Show Extensive Hox Gene Loss and Miniaturized Genomes. <b>2018</b> , 10, 1088-1103	17
555	Avian genomics lends insights into endocrine function in birds. <b>2018</b> , 256, 123-129	5
554	Why Concatenation Fails Near the Anomaly Zone. <b>2018</b> , 67, 158-169	66
553	Draft De Novo Genome Sequence of <i>Agapornis roseicollis</i> for Application in Avian Breeding. <b>2018</b> , 29, 241-246	5

552	New high copy tandem repeat in the content of the chicken W chromosome. <b>2018</b> , 127, 73-83	5
551	Convergent adaptive evolution in marginal environments: unloading transposable elements as a common strategy among mangrove genomes. <b>2018</b> , 217, 428-438	38
550	First de novo whole genome sequencing and assembly of the pink-footed goose. <b>2018</b> , 110, 75-79	12
549	Assembly and RNA-free annotation of highly heterozygous genomes: The case of the thick-billed murre ( <i>Uria lomvia</i> ). <b>2018</b> , 18, 79-90	11
548	Bat Biology, Genomes, and the Bat1K Project: To Generate Chromosome-Level Genomes for All Living Bat Species. <b>2018</b> , 6, 23-46	88
547	Abundant recent activity of retrovirus-like retrotransposons within and among flycatcher species implies a rich source of structural variation in songbird genomes. <b>2018</b> , 27, 99-111	31
546	Urban landscape genomics identifies fine-scale gene flow patterns in an avian invasive. <b>2018</b> , 120, 138-153	13
545	Natural selection beyond genes: Identification and analyses of evolutionarily conserved elements in the genome of the collared flycatcher ( <i>Ficedula albicollis</i> ). <b>2018</b> , 27, 476-492	11
544	Genome size and brain cell density in birds. <b>2018</b> , 96, 379-382	1
543	Evidence for Strong Fixation Bias at 4-fold Degenerate Sites Across Genes in the Great Tit Genome. <b>2018</b> , 6,	1
542	Chromosomal polymorphism and comparative chromosome painting in the rufous-collared sparrow ( <i>Zonotrichia capensis</i> ). <b>2018</b> , 41, 799-805	2
541	Reconstruction of avian ancestral karyotypes reveals differences in the evolutionary history of macro- and microchromosomes. <b>2018</b> , 19, 155	20
540	Conservation genetics and genomics of threatened vertebrates in China. <b>2018</b> , 45, 593-601	5
539	Distribution of CR1-like transposable element in woodpeckers ( <i>Aves Piciformes</i> ): Z sex chromosomes can act as a refuge for transposable elements. <b>2018</b> , 26, 333-343	8
538	The Karyotype of the Hoatzin ( <i>Opisthocomus hoazin</i> ) - A Phylogenetic Enigma of the Neornithes. <b>2018</b> , 156, 158-164	3
537	The bird's-eye view on chromosome evolution. <b>2018</b> , 19, 201	6
536	Advancing Understanding of Amphibian Evolution, Ecology, Behavior, and Conservation with Massively Parallel Sequencing. <b>2018</b> , 211-254	8
535	Chromosome-level assembly reveals extensive rearrangement in saker falcon and budgerigar, but not ostrich, genomes. <b>2018</b> , 19, 171	35



534	Deciphering the evolutionary signatures of pinnipeds using novel genome sequences: The first genomes of <i>Phoca largha</i> , <i>Callorhinus ursinus</i> , and <i>Eumetopias jubatus</i> . <b>2018</b> , 8, 16877	5
533	Parrot Genomes and the Evolution of Heightened Longevity and Cognition. <b>2018</b> , 28, 4001-4008.e7	33
532	Chromosome Level Genome Assembly and Comparative Genomics between Three Falcon Species Reveals an Unusual Pattern of Genome Organisation. <b>2018</b> , 10, 113	12
531	Genome Sequence of Peacock Reveals the Peculiar Case of a Glittering Bird. <b>2018</b> , 9, 392	13
530	Evolutionary conservation of Y Chromosome ampliconic gene families despite extensive structural variation. <b>2018</b> , 28, 1841-1851	21
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526	Molecular evolution of umami/sweet taste receptor genes in reptiles. <b>2018</b> , 6, e5570	2
525	Reconstruction of the diapsid ancestral genome permits chromosome evolution tracing in avian and non-avian dinosaurs. <b>2018</b> , 9, 1883	42
524	Comparative Genomics Reveals a Burst of Homoplasmy-Free Numt Insertions. <b>2018</b> , 35, 2060-2064	13
523	Population genomic data reveal genes related to important traits of quail. <b>2018</b> , 7,	16
522	Chicken Is a Useful Model to Investigate the Role of Adipokines in Metabolic and Reproductive Diseases. <b>2018</b> , 2018, 4579734	23
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520	What makes birds and bats the talk of the town. <b>2018</b> , 15, 485-488	
519	Highly deleterious variations in COX1, CYTB, SCG5, FK2, PRL and PGF genes are the potential adaptation of the immigrated African ostrich population. <b>2018</b> , 100, 17-26	18
518	Comparison of the MicroRNA Expression Profiles of Male and Female Avian Primordial Germ Cell Lines. <b>2018</b> , 2018, 1780679	9
517	Biased Inference of Selection Due to GC-Biased Gene Conversion and the Rate of Protein Evolution in Flycatchers When Accounting for It. <b>2018</b> , 35, 2475-2486	16

516	A High-Quality, Long-Read De Novo Genome Assembly to Aid Conservation of Hawaii's Last Remaining Crow Species. <b>2018</b> , 9,	12
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511	Stage-dependent piRNAs in chicken implicated roles in modulating male germ cell development. <b>2018</b> , 19, 425	4
510	Differential Selective Pressures Experienced by the Aurora Kinase Gene Family. <b>2017</b> , 19,	7
509	Karyotype Evolution in Birds: From Conventional Staining to Chromosome Painting. <b>2018</b> , 9,	40
508	Whole genome and transcriptome maps of the entirely black native Korean chicken breed Yeonsan Ogye. <b>2018</b> , 7,	12
507	Squamate reptiles challenge paradigms of genomic repeat element evolution set by birds and mammals. <b>2018</b> , 9, 2774	50
506	Inferring Ancient Relationships with Genomic Data: A Commentary on Current Practices. <b>2018</b> , 58, 623-639	9
505	Comparison of the Chinese bamboo partridge and red Junglefowl genome sequences highlights the importance of demography in genome evolution. <b>2018</b> , 19, 336	6
504	Genomic insights into natural selection in the common loon ( <i>Gavia immer</i> ): evidence for aquatic adaptation. <b>2018</b> , 18, 64	2
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502	Resource stability and geographic isolation are associated with genome divergence in western Palearctic crossbills. <b>2018</b> , 31, 1715-1731	7
501	A comprehensive analysis of the genomic organization, expression and phylogeny of immunoglobulin light chain genes in pigeon ( <i>Columba livia</i> ). <b>2018</b> , 89, 66-72	2
500	Full disclosure: Genome assembly is still hard. <b>2018</b> , 16, e2005894	12
499	Understanding explosive diversification through cichlid fish genomics. <b>2018</b> , 19, 705-717	98

498	Maladaptive learning and memory in hybrids as a reproductive isolating barrier. <b>2018</b> , 285,	7
497	A flicker of hope: Genomic data distinguish Northern Flicker taxa despite low levels of divergence Los taxones de <i>Colaptes auratus</i> son diferenciables con datos genómicos pese a sus bajos niveles de divergencia Genomic data distinguish Northern Flicker taxa. <b>2018</b> , 135, 748-766	17
496	Toll-Like Receptor Evolution in Birds: Gene Duplication, Pseudogenization, and Diversifying Selection. <b>2018</b> , 35, 2170-2184	57
495	Telomeres and Telomerase in Birds. <b>2018</b> , 313-322	
494	Comparative transcriptomics in three Passerida species provides insights into the evolution of avian mitochondrial complex I. <b>2018</b> , 28, 27-36	7
493	Dynamic compression schemes for graph coloring. <b>2019</b> , 35, 407-414	14
492	Genotyping-by-sequencing reveals genomic homogeneity among overwintering Pacific Dunlin ( <i>Calidris alpina pacifica</i> ) aggregations along the Pacific coast of North America. <b>2019</b> , 121,	2
491	Avian Binocularity and Adaptation to Nocturnal Environments: Genomic Insights from a Highly Derived Visual Phenotype. <b>2019</b> , 11, 2244-2255	6
490	Interspecies association mapping links reduced CG to TG substitution rates to the loss of gene-body methylation. <b>2019</b> , 5, 846-855	26
489	Exploring the molecular basis of neuronal excitability in a vocal learner. <b>2019</b> , 20, 629	4
488	Genomics of rapid ecological divergence and parallel adaptation in four tidal marsh sparrows. <b>2019</b> , 3, 324-338	11
487	More than the eye can see: Genomic insights into the drivers of genetic differentiation in Royal/Macaroni penguins across the Southern Ocean. <b>2019</b> , 139, 106563	12
486	GAPPadder: a sensitive approach for closing gaps on draft genomes with short sequence reads. <b>2019</b> , 20, 426	2
485	Comparative Phylogenomics, a Stepping Stone for Bird Biodiversity Studies. <b>2019</b> , 11, 115	16
484	Genome-wide variation in DNA methylation is associated with stress resilience and plumage brightness in a wild bird. <b>2019</b> , 28, 3722-3737	11
483	'Ghost introgression' as a cause of deep mitochondrial divergence in a bird species complex. <b>2019</b> ,	31
482	Avian Genomics in Ecology and Evolution. <b>2019</b> ,	0
481	An Introduction to Avian Genomics in Ecology and Evolution: From the Lab into the Wild <b>2019</b> , 1-6	1

480	The Contribution of Genomics to Bird Conservation. <b>2019</b> , 295-330	2
479	A Historical Perspective of Avian Genomics. <b>2019</b> , 7-19	0
478	Avian Genomics in Animal Breeding and the End of the Model Organism. <b>2019</b> , 21-67	2
477	Avian Chromosomal Evolution. <b>2019</b> , 69-92	1
476	Repetitive DNA: The Dark Matter of Avian Genomics. <b>2019</b> , 93-150	5
475	Resolving the Avian Tree of Life from Top to Bottom: The Promise and Potential Boundaries of the Phylogenomic Era. <b>2019</b> , 151-210	12
474	Population Genomics and Phylogeography. <b>2019</b> , 237-265	1
473	Avian Population Studies in the Genomic Era. <b>2019</b> , 267-293	2
472	Jurassic Park: What Did the Genomes of Dinosaurs Look Like?. <b>2019</b> , 331-348	
471	Molecular evolution in immune genes across the avian tree of life. <b>2019</b> , 5,	0
470	Sequence properties of certain GC rich avian genes, their origins and absence from genome assemblies: case studies. <b>2019</b> , 20, 734	10
469	The Vertebrate TLR Supergene Family Evolved Dynamically by Gene Gain/Loss and Positive Selection Revealing a Host-Pathogen Arms Race in Birds. <b>2019</b> , 11, 131	9
468	The evolutionary ecology of bird and reptile photoreceptor spectral sensitivities. <b>2019</b> , 30, 223-227	1
467	Genomics detects population structure within and between ocean basins in a circumpolar seabird: The white-chinned petrel. <b>2019</b> , 28, 4552-4572	6
466	A Multireference-Based Whole Genome Assembly for the Obligate Ant-Following Antbird, <i>Rhegmatorhina melanosticta</i> (Thamnophilidae). <b>2019</b> , 11, 144	3
465	A conserved regulatory program initiates lateral plate mesoderm emergence across chordates. <b>2019</b> , 10, 3857	24
464	Raptor genomes reveal evolutionary signatures of predatory and nocturnal lifestyles. <b>2019</b> , 20, 181	8
463	Evidence of genetic erosion in a peripheral population of a North American game bird: the Montezuma quail ( <i>Cyrtonyx montezumae</i> ). <b>2019</b> , 20, 1369-1381	5

462	Complete genomes of two extinct New Zealand passerines show responses to climate fluctuations but no evidence for genomic erosion prior to extinction. <b>2019</b> , 15, 20190491	6
461	Shallow genetic divergence and distinct phenotypic differences between two Andean hummingbirds: Speciation with gene flow?. <b>2019</b> , 136,	10
460	Comparative Chromosome Painting in Two Brazilian Stork Species with Different Diploid Numbers. <b>2019</b> , 159, 32-38	5
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458	High-coverage genomes to elucidate the evolution of penguins. <b>2019</b> , 8,	6
457	Evolution, Origin of Life, Concepts and Methods. <b>2019</b> ,	1
456	The expression of equine keratins K42 and K124 is restricted to the hoof epidermal lamellae of <i>Equus caballus</i> . <b>2019</b> , 14, e0219234	5
455	Genomes of Three Closely Related Caribbean Amazons Provide Insight for Species History and Conservation. <b>2019</b> , 10,	4
454	Comparative analyses identify genomic features potentially involved in the evolution of birds-of-paradise. <b>2019</b> , 8,	11
453	The molecular evolution of feathers with direct evidence from fossils. <b>2019</b> , 116, 3018-3023	26
452	Origin and diversification of the plasminogen activation system among chordates. <b>2019</b> , 19, 27	17
451	Convergent genomic signatures of flight loss in birds suggest a switch of main fuel. <b>2019</b> , 10, 2756	15
450	Evidence that DNA repair genes, a family of tumor suppressor genes, are associated with evolution rate and size of genomes. <b>2019</b> , 13, 26	10
449	Integrating natural history collections and comparative genomics to study the genetic architecture of convergent evolution. <b>2019</b> , 374, 20180248	23
448	Karyotype Evolution and Distinct Evolutionary History of the W Chromosomes in Swallows (Aves, Passeriformes). <b>2019</b> , 158, 98-105	7
447	Epigenetics and heritable phenotypic variations in livestock. <b>2019</b> , 283-313	
446	Complex Gene Loss and Duplication Events Have Facilitated the Evolution of Multiple Loricrin Genes in Diverse Bird Species. <b>2019</b> , 11, 984-1001	6
445	Olfactory receptor repertoire size in dinosaurs. <b>2019</b> , 286, 20190909	5

444	The role of mutation bias in adaptive molecular evolution: insights from convergent changes in protein function. <b>2019</b> , 374, 20180238	18
443	After TNF- $\beta$ still playing hide-and-seek with chicken genes. <b>2019</b> , 98, 4373-4374	2
442	Chickspress: a resource for chicken gene expression. <b>2019</b> , 2019,	11
441	Population divergence and gene flow in two East Asian shorebirds on the verge of speciation. <b>2019</b> , 9, 8546	5
440	The Vav GEF Family: An Evolutionary and Functional Perspective. <b>2019</b> , 8,	20
439	Uncovering population structure in the Humboldt penguin ( <i>Spheniscus humboldti</i> ) along the Pacific coast at South America. <b>2019</b> , 14, e0215293	2
438	De novo assembly of the Indian blue peacock ( <i>Pavo cristatus</i> ) genome using Oxford Nanopore technology and Illumina sequencing. <b>2019</b> , 8,	11
437	No Signs of Genetic Erosion in a 19th Century Genome of the Extinct Paradise Parrot ( <i>Psephotellus pulcherrimus</i> ). <b>2019</b> , 11, 58	4
436	Evolution of Genomic Base Composition: From Single Cell Microbes to Multicellular Animals. <b>2019</b> , 17, 362-370	15
435	Systematic Identification and Evolution Analysis of Genes in Based on Comparative Genomics. <b>2019</b> , 10,	7
434	Palaeoproteomics of bird bones for taxonomic classification. <b>2019</b> , 186, 650-665	5
433	The Conifers: Genomes, Variation and Evolution. <b>2019</b> ,	10
432	Genome-wide analysis reveals the genomic features of the turkey vulture ( <i>Cathartes aura</i> ) as a scavenger. <b>2019</b> , 294, 679-692	6
431	Molecular cytogenetic characterization of repetitive sequences comprising centromeric heterochromatin in three Anseriformes species. <b>2019</b> , 14, e0214028	5
430	Comparative Genomics. <b>2019</b> , 463-476	
429	Large-Scale Comparative Analysis of Codon Models Accounting for Protein and Nucleotide Selection. <b>2019</b> , 36, 1316-1332	15
428	Evolution of vertebrate nicotinic acetylcholine receptors. <b>2019</b> , 19, 38	22
427	Population genomics reveals that refugial isolation and habitat change lead to incipient speciation in the Ground tit. <b>2019</b> , 48, 277-288	1

426	Evolution of the Highly Repetitive PEVK Region of Titin Across Mammals. <b>2019</b> , 9, 1103-1115		1
425	New Zealand Tree and Giant Wētā(Orthoptera) Transcriptomics Reveal Divergent Selection Patterns in Metabolic Loci. <b>2019</b> , 11, 1293-1306		2
424	Dynamic evolutionary history and gene content of sex chromosomes across diverse songbirds. <b>2019</b> , 3, 834-844		48
423	Earth history and the passerine superradiation. <b>2019</b> , 116, 7916-7925		121
422	A guinea fowl genome assembly provides new evidence on evolution following domestication and selection in galliformes. <b>2019</b> , 19, 997-1014		11
421	The Impact of Natural Selection on Short Insertion and Deletion Variation in the Great Tit Genome. <b>2019</b> , 11, 1514-1524		4
420	Convergent regulatory evolution and loss of flight in paleognathous birds. <i>Science</i> , <b>2019</b> , 364, 74-78	33.3	103
419	The genomic pool of standing structural variation outnumbers single nucleotide polymorphism by threefold in the marine teleost <i>Chrysophrys auratus</i> . <b>2019</b> , 28, 1210-1223		24
418	Antarctic blackfin icefish genome reveals adaptations to extreme environments. <b>2019</b> , 3, 469-478		62
417	Analysis of <i>Anas platyrhynchos</i> genome resequencing data reveals genetic signatures of artificial selection. <b>2019</b> , 14, e0211908		2
416	Unexpected population fragmentation in an endangered seabird: the case of the Peruvian diving-petrel. <b>2019</b> , 9, 2021		12
415	Divergent mitochondrial lineages arose within a large, panmictic population of the Savannah sparrow ( <i>Passerculus sandwichensis</i> ). <b>2019</b> , 28, 1765-1783		9
414	Transposable elements as genetic accelerators of evolution: contribution to genome size, gene regulatory network rewiring and morphological innovation. <b>2020</b> , 94, 269-281		18
413	Divergent selection and drift shape the genomes of two avian sister species spanning a saline-freshwater ecotone. <b>2019</b> , 9, 13477-13494		6
412	Evidence for adaptive introgression of exons across a hybrid swarm in deer. <b>2019</b> , 19, 199		8
411	A High-Quality Draft Genome Assembly of the Black-Necked Crane ( <i>Grus nigricollis</i> ) Based on Nanopore Sequencing. <b>2019</b> , 11, 3332-3340		3
410	Identification and evolution of avian endogenous foamy viruses. <b>2019</b> , 5, vez049		6
409	Avian Leptin: Bird's-Eye View of the Evolution of Vertebrate Energy-Balance Control. <b>2019</b> , 30, 819-832		19

408	Special Issue: Genomic Analyses of Avian Evolution. <b>2019</b> , 11, 178	1
407	3D organization of chicken genome demonstrates evolutionary conservation of topologically associated domains and highlights unique architecture of erythrocytes' chromatin. <b>2019</b> , 47, 648-665	30
406	Evolution and Expression of S100A7 Gene in Vertebrates. <b>2019</b> , 57, 371-381	2
405	Patterns of microchromosome organization remain highly conserved throughout avian evolution. <b>2019</b> , 128, 21-29	37
404	Genomics Approaches for Studying Musical Aptitude and Related Traits. <b>2019</b> , 438-458	
403	De novo genome assembly of the stress tolerant forest species <i>Casuarina equisetifolia</i> provides insight into secondary growth. <b>2019</b> , 97, 779-794	20
402	As Blind as a Bat? Opsin Phylogenetics Illuminates the Evolution of Color Vision in Bats. <b>2019</b> , 36, 54-68	15
401	Genome Sequence of <i>Jaltomata</i> Addresses Rapid Reproductive Trait Evolution and Enhances Comparative Genomics in the Hyper-Diverse Solanaceae. <b>2019</b> , 11, 335-349	8
400	Evolutionary dynamics of hybridization and introgression following the recent colonization of Glossy Ibis ( <i>Aves: Plegadis falcinellus</i> ) into the New World. <b>2019</b> , 28, 1675-1691	17
399	Reference Genomes from Distantly Related Species Can Be Used for Discovery of Single Nucleotide Polymorphisms to Inform Conservation Management. <b>2018</b> , 10,	18
398	A near-chromosome-scale genome assembly of the gemsbok ( <i>Oryx gazella</i> ): an iconic antelope of the Kalahari desert. <b>2019</b> , 8,	34
397	Exploring the unmapped DNA and RNA reads in a songbird genome. <b>2019</b> , 20, 19	12
396	Revisiting avian 'missing' genes from de novo assembled transcripts. <b>2019</b> , 20, 4	17
395	Evolution and Development of the Atrial Septum. <b>2019</b> , 302, 32-48	16
394	SMRT long reads and Direct Label and Stain optical maps allow the generation of a high-quality genome assembly for the European barn swallow ( <i>Hirundo rustica rustica</i> ). <b>2019</b> , 8,	12
393	Birth and death of Mx genes and the presence/absence of genes regulating Mx transcription are correlated with the diversity of anti-pathogenicity in vertebrate species. <b>2019</b> , 294, 121-133	4
392	A duetting perspective on avian song learning. <b>2019</b> , 163, 71-80	9
391	The complete mitochondrial genome of Rhinoceros hornbill ( <i>Bucerotiformes: Bucerotidae</i> ). <b>2019</b> , 11, 75-78	1



390	Time lapse: A glimpse into prehistoric genomics. <b>2020</b> , 63, 103640	3
389	Rapid phenotypic evolution with shallow genomic differentiation during early stages of high elevation adaptation in Eurasian Tree Sparrows. <b>2020</b> , 7, 113-127	16
388	Functional evolution of the colony-stimulating factor 1 receptor (CSF1R) and its ligands in birds. <b>2020</b> , 107, 237-250	8
387	Diet and Adaptive Evolution of Alanine-Glyoxylate Aminotransferase Mitochondrial Targeting in Birds. <b>2020</b> , 37, 786-798	5
386	Secondary contact after allopatric divergence explains avian speciation and high species diversity in the Himalayan-Hengduan Mountains. <b>2020</b> , 143, 106671	4
385	Reptiles as a Model System to Study Heart Development. <b>2020</b> , 12,	5
384	Comparative genomics reveal shared genomic changes in syngnathid fishes and signatures of genetic convergence with placental mammals. <b>2020</b> , 7, 964-977	18
383	Near-Random Distribution of Chromosome-Derived Circular DNA in the Condensed Genome of Pigeons and the Larger, More Repeat-Rich Human Genome. <b>2020</b> , 12, 3762-3777	19
382	A Beautiful Life: High Risk-High Payoff in Genetic Science. <b>2020</b> , 8, 1-24	3
381	Preservation frequency of tissue-like structures in vertebrate remains from the upper Campanian of Alberta: Dinosaur Park Formation. <b>2020</b> , 109, 104370	1
380	Transcriptomic signature of rapidly evolving immune genes in a highland fish. <b>2020</b> , 97, 587-592	3
379	The Earth BioGenome project: opportunities and challenges for plant genomics and conservation. <b>2020</b> , 102, 222-229	17
378	Evolutionary History of the Toll-Like Receptor Gene Family across Vertebrates. <b>2020</b> , 12, 3615-3634	28
377	Population history and the selective landscape shape patterns of osmoregulatory trait divergence in tidal marsh Savannah sparrows ( <i>Passerculus sandwichensis</i> ). <b>2020</b> , 74, 57-72	4
376	Host Factors for Disease Resistance. <b>2020</b> , 79-108	
375	Genomic differentiation and local adaptation on a microgeographic scale in a resident songbird. <b>2020</b> , 29, 4295-4307	3
374	The Female-Specific W Chromosomes of Birds Have Conserved Gene Contents but Are Not Feminized. <b>2020</b> , 11,	15
373	Prioritizing sequence variants in conserved non-coding elements in the chicken genome using chCADD. <b>2020</b> , 16, e1009027	2

372	An Indo-Pacific Humpback Dolphin Genome Reveals Insights into Chromosome Evolution and the Demography of a Vulnerable Species. <b>2020</b> , 23, 101640	8
371	Why Do Some Sex Chromosomes Degenerate More Slowly Than Others? The Odd Case of Ratite Sex Chromosomes. <b>2020</b> , 11,	5
370	Genomic Analyses Reveal Genetic Adaptations to Tropical Climates in Chickens. <b>2020</b> , 23, 101644	6
369	Major histocompatibility complex B variability in Korean native chicken breeds. <b>2020</b> , 99, 4704-4713	6
368	Molecular convergent and parallel evolution among four high-elevation anuran species from the Tibetan region. <b>2020</b> , 21, 839	1
367	Progressive Cactus is a multiple-genome aligner for the thousand-genome era. <b>2020</b> , 587, 246-251	53
366	Dense sampling of bird diversity increases power of comparative genomics. <b>2020</b> , 587, 252-257	89
365	Avian phenotypic convergence is subject to low genetic constraints based on genomic evidence. <b>2020</b> , 20, 147	0
364	An Evolutionary Remedy for an Abominable Physiological Mystery: Benign Hyperglycemia in Birds. <b>2020</b> , 88, 715-719	3
363	The genome of the Xingu scale-backed antbird ( <i>Willisornis vidua nigrigula</i> ) reveals lineage-specific adaptations. <b>2020</b> , 112, 4552-4560	1
362	Holo-Omics: Integrated Host-Microbiota Multi-omics for Basic and Applied Biological Research. <b>2020</b> , 23, 101414	27
361	Studying Natural Selection in the Era of Ubiquitous Genomes. <b>2020</b> , 36, 792-803	1
360	Assembly of the Northern Cardinal () Genome Reveals Candidate Regulatory Regions for Sexually Dichromatic Red Plumage Coloration. <b>2020</b> , 10, 3541-3548	2
359	Genomic Evidence for Sensorial Adaptations to a Nocturnal Predatory Lifestyle in Owls. <b>2020</b> , 12, 1895-1908	2
358	Pacific Biosciences assembly with Hi-C mapping generates an improved, chromosome-level goose genome. <b>2020</b> , 9,	6
357	Avian Diversity: Speciation, Macroevolution, and Ecological Function. <b>2020</b> , 51, 533-560	29
356	Composition and Diversity of Over-Wintering Aquatic Bird Community on Poyang Lake, China. <b>2020</b> , 12, 308	2
355	A cortex-like canonical circuit in the avian forebrain. <i>Science</i> , <b>2020</b> , 369,	33-3 63

354	Polygenic basis for adaptive morphological variation in a threatened Aotearoa   New Zealand bird, the hihi (). <b>2020</b> , 287, 20200948	8
353	MAPK cascade gene family in <i>Camellia sinensis</i> : In-silico identification, expression profiles and regulatory network analysis. <b>2020</b> , 21, 613	7
352	Repeat Sequence Mapping Shows Different W Chromosome Evolutionary Pathways in Two Caprimulgiformes Families. <b>2020</b> , 1, 19-34	4
351	Using in silico predicted ancestral genomes to improve the efficiency of paleogenome reconstruction. <b>2020</b> , 10, 12700-12709	2
350	Female-biased gene flow between two species of Darwin's finches. <b>2020</b> , 4, 979-986	9
349	Protein-protein interaction of the putative magnetoreceptor cryptochrome 4 expressed in the avian retina. <b>2020</b> , 10, 7364	20
348	A Highly Contiguous Genome for the Golden-Fronted Woodpecker () via Hybrid Oxford Nanopore and Short Read Assembly. <b>2020</b> , 10, 1829-1836	2
347	Adaptation of the master antioxidant response connects metabolism, lifespan and feather development pathways in birds. <b>2020</b> , 11, 2476	15
346	Phylogeography of the iconic Australian red-tailed black-cockatoo ( <i>Calyptorhynchus banksii</i> ) and implications for its conservation. <b>2020</b> , 125, 85-100	4
345	halSynteny: a fast, easy-to-use conserved synteny block construction method for multiple whole-genome alignments. <b>2020</b> , 9,	4
344	First Genome Sequence of the Gunnison's Prairie Dog ( <i>Cynomys gunnisoni</i> ), a Keystone Species and Player in the Transmission of Sylvatic Plague. <b>2020</b> , 12, 618-625	3
343	The Location of the Pseudoautosomal Boundary in. <b>2020</b> , 11,	4
342	Larger, unfiltered datasets are more effective at resolving phylogenetic conflict: Introns, exons, and UCEs resolve ambiguities in Golden-backed frogs ( <i>Anura</i> : Ranidae; genus <i>Hylarana</i> ). <b>2020</b> , 151, 106899	13
341	Population Genomics of Wildlife Cancer. <b>2020</b> , 385-416	1
340	Population Genomics Advances and Opportunities in Conservation of Kiwi ( <i>Apteryx</i> spp.). <b>2020</b> , 493-521	6
339	Metagenomic analysis reveals the microbiome and resistome in migratory birds. <b>2020</b> , 8, 26	49
338	Genome-wide analysis reveals molecular convergence underlying domestication in 7 bird and mammals. <b>2020</b> , 21, 204	5
337	A fully-automated method discovers loss of mouse-lethal and human-monogenic disease genes in 58 mammals. <b>2020</b> , 48, e91	1

336	A High-Quality Genome Assembly of the North American Song Sparrow,. <b>2020</b> , 10, 1159-1166	5
335	Comparative Genomics Reveals Evolution of a Beak Morphology Locus in a High-Altitude Songbird. <b>2020</b> , 37, 2983-2988	2
334	Genetic factors for short life span associated with evolution of the loss of flight ability. <b>2020</b> , 10, 6020-6029	1
333	Cryptic and extensive hybridization between ancient lineages of American crows. <b>2020</b> , 29, 956-969	9
332	Sex linkage of the skeletal muscle sodium channel gene (SCN4A) explains apparent deviations from Hardy-Weinberg equilibrium of tetrodotoxin-resistance alleles in garter snakes ( <i>Thamnophis sirtalis</i> ). <b>2020</b> , 124, 647-657	1
331	Population differentiation and historical demography of the threatened snowy plover <i>Charadrius nivosus</i> (Cassin, 1858). <b>2020</b> , 21, 387-404	2
330	Characterizing lineage-specific evolution and the processes driving genomic diversification in chordates. <b>2020</b> , 20, 24	
329	Genomic diversity in flavobacterial pathogens of aquatic origin. <b>2020</b> , 142, 104053	7
328	How technical progress reshaped behavioral neuroendocrinology during the last 50 years and some methodological remarks. <b>2020</b> , 118, 104682	8
327	Comparative Genomics Identifies Putative Signatures of Sociality in Spiders. <b>2020</b> , 12, 122-133	7
326	Phylogenomics and biogeography of the world's thrushes (Aves, ): new evidence for a more parsimonious evolutionary history. <b>2020</b> , 287, 20192400	8
325	Genomic signature of accelerated evolution in a saline-alkaline lake-dwelling Schizothoracine fish. <b>2020</b> , 149, 341-347	5
324	Hybridization ddRAD-sequencing for population genomics of nonmodel plants using highly degraded historical specimen DNA. <b>2020</b> , 20, 1228-1247	7
323	CHD9 upregulates RUNX2 and has a potential role in skeletal evolution. <b>2020</b> , 21, 27	5
322	The rise and fall of globins in the amphibia. <b>2021</b> , 37, 100759	0
321	Bats and birds as viral reservoirs: A physiological and ecological perspective. <b>2021</b> , 754, 142372	12
320	Chromosome level assembly reveals a unique immune gene organization and signatures of evolution in the common pheasant. <b>2021</b> , 21, 897-911	2
319	Hybrid speciation via inheritance of alternate alleles of parental isolating genes. <b>2021</b> , 14, 208-222	18

318	A genome-wide investigation of adaptive signatures in protein-coding genes related to tool behaviour in New Caledonian and Hawaiian crows. <b>2021</b> , 30, 973-986	1
317	Sequencing platform shifts provide opportunities but pose challenges for combining genomic data sets. <b>2021</b> , 21, 653-660	2
316	Sequencing BGI: the evolution of expertise and research organisation in the world's leading gene sequencing facility. <b>2021</b> , 40, 305-330	1
315	Genomic Consequences of Long-Term Population Decline in Brown Eared Pheasant. <b>2021</b> , 38, 263-273	10
314	Identifying the causes and consequences of assembly gaps using a multiplatform genome assembly of a bird-of-paradise. <b>2021</b> , 21, 263-286	30
313	Dynamic evolution of transposable elements, demographic history, and gene content of paleognathous birds. <b>2021</b> , 42, 51-61	3
312	A new duck genome reveals conserved and convergently evolved chromosome architectures of birds and mammals. <b>2021</b> , 10,	9
311	Data Types and the Phylogeny of Neoaves. <b>2021</b> , 2, 1-22	16
310	Connexins during 500 Million Years-From Cyclostomes to Mammals. <b>2021</b> , 22,	2
309	Genome Size Reduction and Transposon Activity Impact tRNA Gene Diversity While Ensuring Translational Stability in Birds. <b>2021</b> , 13,	1
308	Genome size versus geographic range size in birds. <b>2021</b> , 9, e10868	1
307	Genetic Adaptations in Mudskipper and Tetrapod Give Insights into Their Convergent Water-to-Land Transition. <b>2021</b> , 11,	
306	Comparative analysis of mammal genomes unveils key genomic variability for human lifespan.	0
305	Chromosome-Level Genome Assembly of the Common Chaffinch (Aves: <i>Fringilla coelebs</i> ): A Valuable Resource for Evolutionary Biology. <b>2021</b> , 13,	2
304	Comparison of plasma and cerebrospinal fluid proteomes identifies gene products guiding adult neurogenesis and neural differentiation in birds. <b>2021</b> , 11, 5312	
303	Most Genomic Loci Misrepresent the Phylogeny of an Avian Radiation Because of Ancient Gene Flow. <b>2021</b> , 70, 961-975	4
302	Robust Benchmark Structural Variant Calls of An Asian Using the State-of-art Long Fragment Sequencing Technologies. <b>2021</b> ,	1
301	Recurrent chromosome reshuffling and the evolution of neo-sex chromosomes in parrots.	3

300	Facilitating population genomics of non-model organisms through optimized experimental design for reduced representation sequencing.	
299	Comparative Analysis of Annotation Pipelines Using the First Japanese White-Eye ( <i>Zosterops japonicus</i> ) Genome. <b>2021</b> , 13,	
298	False gene and chromosome losses affected by assembly and sequence errors.	3
297	Scalable total-evidence inference from molecular and continuous characters in a Bayesian framework.	3
296	Molecular Phylogeny and Evolution of Amazon Parrots in the Greater Antilles. <b>2021</b> , 12,	0
295	Comparative analysis of and gene families reveals differential evolutionary patterns in inbred lines. <b>2021</b> , 9, e11238	4
294	The effective population size modulates the strength of GC biased gene conversion in two passerines.	
293	Genome stability is in the eye of the beholder: recent retrotransposon activity varies significantly across avian diversity.	
292	Multi-tissue integrative analysis of personal epigenomes.	0
291	Genome-wide analyses of the relict gull ( <i>Larus relictus</i> ): insights and evolutionary implications. <b>2021</b> , 22, 311	1
290	Towards complete and error-free genome assemblies of all vertebrate species. <b>2021</b> , 592, 737-746	161
289	Widespread false gene gains caused by duplication errors in genome assemblies.	3
288	Vulture Genomes Reveal Molecular Adaptations Underlying Obligate Scavenging and Low Levels of Genetic Diversity. <b>2021</b> , 38, 3649-3663	0
287	Avian Coloration Genetics: Recent Advances and Emerging Questions. <b>2021</b> , 112, 395-416	8
286	Evolution of the "world's only alpine parrot": Genomic adaptation or phenotypic plasticity, behaviour and ecology?. <b>2021</b> , 30, 6370-6386	1
285	Repetitive genomic regions and the inference of demographic history. <b>2021</b> , 127, 151-166	1
284	Sperm competition, sexual selection and the diverse reproductive biology of Osteoglossiformes. <b>2021</b> , 99, 740-754	0
283	Evaluating evidence of mitonuclear incompatibilities with the sex chromosomes in an avian hybrid zone. <b>2021</b> , 75, 1395-1414	2

282	Mitochondrial substitution rates estimation for divergence time analyses in modern birds based on full mitochondrial genomes. <b>2021</b> , 163, 1463-1471	3
281	Genomic consequences of colonisation, migration and genetic drift in barn owl insular populations of the eastern Mediterranean.	
280	New Perspectives on Avian Models for Studies of Basic Aging Processes. <b>2021</b> , 9,	0
279	Global investigation of estrogen-responsive genes regulating lipid metabolism in the liver of laying hens. <b>2021</b> , 22, 428	4
278	The avian W chromosome is a refugium for endogenous retroviruses with likely effects on female-biased mutational load and genetic incompatibilities. <b>2021</b> , 376, 20200186	13
277	Comparative Analysis of Mammal Genomes Unveils Key Genomic Variability for Human Life Span. <b>2021</b> , 38, 4948-4961	2
276	Polly Wants a Genome: The Lack of Genetic Testing for Pet Parrot Species. <b>2021</b> , 12,	
275	Genomic data reveal the biogeographical and demographic history of Ammospiza sparrows in northeast tidal marshes. <b>2021</b> , 48, 2360-2374	
274	Microchromosomes are building blocks of bird, reptile and mammal chromosomes.	0
273	Genome-wide diversity in the California condor tracks its prehistoric abundance and decline. <b>2021</b> , 31, 2939-2946.e5	10
272	Phylogeny and sex chromosome evolution of palaeognathae. <b>2021</b> , 49, 109-109	3
271	Making region-specific integumentary organs in birds: evolution and modifications. <b>2021</b> , 69, 103-111	2
270	Climate Smart Crops for Food Security.	
269	The design and application of a 50 K SNP chip for a threatened Aotearoa New Zealand passerine, the hihi. <b>2021</b> ,	0
268	Evolution of gene expression across species and specialized zooids in Siphonophora.	0
267	Adipokines in metabolic and reproductive functions in birds: An overview of current knowns and unknowns. <b>2021</b> , 534, 111370	2
266	Facilitating population genomics of non-model organisms through optimized experimental design for reduced representation sequencing. <b>2021</b> , 22, 625	1
265	Genomic bases underlying the adaptive radiation of core landbirds. <b>2021</b> , 21, 162	1

264	BASE: A novel workflow to integrate nonubiquitous genes in comparative genomics analyses for selection. <b>2021</b> , 11, 13029-13035	1
263	Sequencing refractory regions in bird genomes are hotspots for accelerated protein evolution. <b>2021</b> , 21, 176	1
262	Population genomics of the critically endangered kākāpō <b>2021</b> , 100002	15
261	What Have We Learned from the First 500 Avian Genomes?. <b>2021</b> , 52,	7
260	Joint identification of sex and sex-linked scaffolds in non-model organisms using low depth sequencing data. <b>2021</b> ,	3
259	Novel genome reveals susceptibility of popular gamebird, the red-legged partridge ( <i>Alectoris rufa</i> , Phasianidae), to climate change. <b>2021</b> , 113, 3430-3438	1
258	Inter-glacial isolation caused divergence of cold-adapted species: the case of the snow partridge.	1
257	Genetic diversity of two populations of the tufted puffin <i>Fratercula cirrhata</i> (Pallas, 1769). <b>2021</b> , 96, 119-128	
256	A new emu genome illuminates the evolution of genome configuration and nuclear architecture of avian chromosomes. <b>2021</b> , 31, 497-511	9
255	Platypus and echidna genomes reveal mammalian biology and evolution. <b>2021</b> , 592, 756-762	28
254	Genome-wide macroevolutionary signatures of key innovations in butterflies colonizing new host plants. <b>2021</b> , 12, 354	15
253	Beyond "consistent with" adaptation: Is there a robust test for music adaptation?. <b>2021</b> , 44, e115	
252	Chromosomal painting of the sandpiper ( <i>Actitis macularius</i> ) detects several fissions for the Scolopacidae family (Charadriiformes). <b>2021</b> , 21, 8	2
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250	Tuatara genome reveals diverse insights into a remarkable reptile. <b>2020</b> , 584, 351-352	2
249	Testis-enriched heat shock protein A2 (HSPA2): Adaptive advantages of the birds with internal testes over the mammals with testicular descent. <b>2016</b> , 6, 18770	6
248	in silico Whole Genome Sequencer & Analyzer (iWGS): a computational pipeline to guide the design and analysis of de novo genome sequencing studies.	3
247	Range Overlap Drives Chromosome Inversion Fixation in Passerine Birds.	1



246	An improved genome assembly uncovers prolific tandem repeats in Atlantic cod.	5
245	The hidden elasticity of avian and mammalian genomes.	1
244	De Novo PacBio long-read and phased avian genome assemblies correct and add to genes important in neuroscience research.	8
243	Identifying the causes and consequences of assembly gaps using a multiplatform genome assembly of a bird-of-paradise.	4
242	New environment, new invaders - repeated horizontal transfer of LINEs to sea snakes.	1
241	Signatures of mitonuclear coevolution in a warbler species complex.	2
240	Two decades of suspect evidence for adaptive DNA-sequence evolution [Less negative selection misconstrued as positive selection.	2
239	Towards complete and error-free genome assemblies of all vertebrate species.	38
238	A chromosome-level genome assembly for the Eastern Fence Lizard ( <i>Sceloporus undulatus</i> ), a reptile model for physiological and evolutionary ecology.	3
237	Dosage-sensitive functions in embryonic development drove the survival of genes on sex-specific chromosomes in snakes, birds, and mammals.	3
236	Genomic bases underlying the adaptive radiation of core landbirds.	1
235	The avian W chromosome is a refugium for endogenous retroviruses with likely effects on female-biased mutational load and genetic incompatibilities.	3
234	Genomics of an avian neo-sex chromosome reveals the evolutionary dynamics of recombination suppression and sex-linked genes.	0
233	Improved genome assembly and annotation for the rock pigeon ( <i>Columba livia</i> ).	0
232	Whole genome and transcriptome maps of the entirely black native Korean chicken breed Yeonsan Ogye.	1
231	Convergent regulatory evolution and the origin of flightlessness in palaeognathous birds.	9
230	Comparative Genomics and Genome Evolution in birds-of-paradise.	1
229	Evolutionary dynamics of sex chromosomes of paleognathous birds.	4

228	Genome sequence of <i>Jaltomata</i> addresses rapid reproductive trait evolution and enhances comparative genomics in the hyper-diverse Solanaceae.	1
227	Divergence in the face of gene flow in two <i>Charadrius</i> plovers along the Chinese coast.	1
226	A bird's white-eye view on avian sex chromosome evolution.	7
225	The great tit HapMap project: a continental-scale analysis of genomic variation in a songbird.	6
224	Reconstructing the evolutionary history of a functionally diverse gene family reveals complexity at the genetic origins of novelty.	4
223	Identification and evolution of avian endogenous foamy viruses.	1
222	Progressive alignment with Cactus: a multiple-genome aligner for the thousand-genome era.	15
221	Six new reference-quality bat genomes illuminate the molecular basis and evolution of bat adaptations.	8
220	Selection on a pleiotropic color gene block underpins early differentiation between two warbler species.	6
219	The Dynamics of Incomplete Lineage Sorting across the Ancient Adaptive Radiation of Neoavian Birds. <b>2015</b> , 13, e1002224	160
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217	Convergent Evolution of Hemoglobin Function in High-Altitude Andean Waterfowl Involves Limited Parallelism at the Molecular Sequence Level. <b>2015</b> , 11, e1005681	76
216	Endothelin Receptor B2 (EDNRB2) Gene Is Associated with Spot Plumage Pattern in Domestic Ducks ( <i>Anas platyrhynchos</i> ). <b>2015</b> , 10, e0125883	17
215	Chromosomal Diversity and Karyotype Evolution in South American Macaws ( <i>Psittaciformes</i> , <i>Psittacidae</i> ). <b>2015</b> , 10, e0130157	15
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213	The Wide Distribution and Change of Target Specificity of R2 Non-LTR Retrotransposons in Animals. <b>2016</b> , 11, e0163496	10
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211	Genomic Insights into the Adaptive Convergent Evolution. <b>2019</b> , 20, 81-89	6

210	A draft genome assembly of the eastern banjo frog <i>Limnodynastes dumerilii dumerilii</i> (Anura: Limnodynastidae). 2020, 1-13	2
209	Evidence for a common evolutionary rate in metazoan transcriptional networks. <b>2015</b> , 4,	19
208	A multispecies coalescent model for quantitative traits. <b>2018</b> , 7,	26
207	Immune genes are hotspots of shared positive selection across birds and mammals. <b>2019</b> , 8,	56
206	Characterization of a assembled transcriptome of the Common Blackbird (). <b>2017</b> , 5, e4045	2
205	annotation of the transcriptome of the Northern Wheatear (). <b>2018</b> , 6, e5860	4
204	Evolution of digestive enzymes and dietary diversification in birds. <b>2019</b> , 7, e6840	8
203	The effect of listening to music on human transcriptome. <b>2015</b> , 3, e830	23
202	First de novo whole genome sequencing and assembly of the bar-headed goose. <b>2020</b> , 8, e8914	1
201	Factors Influencing Green Purchase Intention: Moderating Role of Green Brand Knowledge. <b>2021</b> , 18,	3
200	Fast and compact matching statistics analytics.	
199	Three chromosome-level duck genome assemblies provide insights into genomic variation during domestication. <b>2021</b> , 12, 5932	1
198	Positive selection in noncoding genomic regions of vocal learning birds is associated with genes implicated in vocal learning and speech functions in humans. <b>2021</b> , 31, 2035-2049	1
197	Lifespan Extension in Long-Lived Vertebrates Rooted in Ecological Adaptation. <b>2021</b> , 9, 704966	4
196	The gut microbiome and metabolome of Himalayan Griffons ( <i>Gyps himalayensis</i> ): insights into the adaptation to carrion-feeding habits in avian scavengers. <b>2021</b> , 12,	0
195	Adaptive divergence in bill morphology and other thermoregulatory traits is facilitated by restricted gene flow in song sparrows on the California Channel Islands. <b>2021</b> , 31, 603	0
194	Annotation depth confounds direct comparison of gene expression across species. <b>2021</b> , 22, 499	
193	A novel exome probe set captures phototransduction genes across birds (Aves) enabling efficient analysis of vision evolution. <b>2021</b> ,	0

- 192 Conserved chromatin and repetitive patterns reveal slow genome evolution in frogs. 0
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- 190 Gene tree discordance generates patterns of diminishing convergence over time. 0
- 189 Similar ratios of introns to intergenic sequence across animal genomes.
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- 186 Construction and Analysis of the Avian Phylogenetic Tree. **2017**, 07, 1-11
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- 183 GAPPadder: A Sensitive Approach for Closing Gaps on Draft Genomes with Short Sequence Reads.
- 182 A dual transcript-discovery approach to improve the delimitation of gene features from RNA-seq data in the chicken model. 0
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