

## Checklist of Republican Valley Birds

Proven regional breeders are shown in **Bold**, probable breeders are underlined; breeding counties are not specified. County data courtesy Steven Dinsmore (regional records), Robin Harding and D. J. Walker. Compiled by Paul Johnsgard.

### County Abbreviations (data available only from underlined counties):

Fr: Reported from Frontier County  
Fru: Reported from Franklin County  
Fu: Reported from Furnas County  
H: Reported from Harlan County  
Hi: Reported from Hitchcock County  
N: Reported from Nuckols County  
R: Reported from Red Willow County  
T: Reported from Thayer County  
W: Reported from Webster County  
Reg: Regional record, county unreported

### Abundance Abbreviations (in boldface):

**A**: Abundant  
**C**: Common  
**U**: Uncommon  
**O**: Occasional  
**R**: Rare or Local  
**Ac**: Accidental

### Seasonal Abbreviations (in boldface):

**PR**: Permanent Resident  
**SR**: Summer Resident  
**SV**: Summer Visitant (breeding unproven)  
**M**: Spring & Fall Migrant  
**SM**: Spring Migrant  
**FM**: Fall Migrant  
**WM**: Wintering Migrant  
**V**: Vagrant (varied seasons)

### Anatidae: Swans, Geese, and Ducks

\_\_\_ Greater White-fronted Goose, *Anser albifrons* H, FR; **UM**  
\_\_\_ Snow Goose, *Chen caerulescens* Fr, H, Hi; **UM**  
\_\_\_ Ross's Goose, *Chen rossii* Fr, **OM**  
\_\_\_ Canada Goose, *Branta canadensis* Fr, Fu, H, Hi, R; **UPR**  
\_\_\_ **Wood Duck, *Aix sponsa*** Fr, Fu, H, Hi, R; **USR**  
\_\_\_ **Gadwall, *Anas strepera*** Fr, Fu, H, Hi, R; **UM**  
\_\_\_ American Wigeon, *Anas americana* Fr, H, R; **UM**  
\_\_\_ American Black Duck, *Anas rubripes* Reg **RM**

- \_\_ **Mallard, *Anas platyrhynchos*** Fr, Fu, H, Hi, R; **UPR**
- \_\_ **Blue-winged Teal *Anas discors*** Fr, Fu, H, Hi, R; **USR**
- \_\_ Cinnamon Teal *Anas cyanoptera* H, Hi; **OSR**
- \_\_ Northern Shoveler, *Anas clypeata* Fr, H, Hi; **USR**
- \_\_ **Northern Pintail, *Anas acuta*** H, Hi, R; **USR**
- \_\_ Green-winged Teal *Anas crecca* Fr, H, R; **OSR**
- \_\_ Canvasback, *Aythya valisineria* Fr, H, **UM**
- \_\_ Redhead, *Aythya americana* Fr, H, Hi, R; **UM**
- \_\_ Ring-necked Duck, *Aythya collaris* Fr, H, **UM**
- \_\_ Greater Scaup, *Aythya marila* H, R; **RM**
- \_\_ Lesser Scaup, *Aythya affinis* H, R; **UM**
- \_\_ Long-tailed Duck, *Clangula hyemalis* Reg; **RM**
- \_\_ Bufflehead, *Bucephala albeola* H, Hi; Fr; **UM**
- \_\_ Common Goldeneye, *Bucephala clangula* H, Hi; Fr; **UM**
- \_\_ Hooded Merganser, *Lophodytes cucullatus* H, R; **OM**
- \_\_ Red-breasted Merganser, *Mergus serrator* Reg; **OM**
- \_\_ Common Merganser, *Mergus merganser* Fr, H, **UM**
- \_\_ Ruddy Duck, *Oxyura jamaicensis* Fr, H, **UM**
- Phasianidae: Partridges, Grouse, etc**
- \_\_ **Ring-necked Pheasant, *Phasianus colchicus*** Fu, Fr, H, R; **UPR**
- \_\_ **Greater Prairie-Chicken, *Tympanuchus cupido*** H, Fr, Hi, R; **UPR**
- \_\_ Wild Turkey, *Meleagris gallopavo* Fu, Fr, H, R; **CPR**
- Odontophoridae: New World Quail**
- \_\_ **Northern Bobwhite, *Colinus virginianus*** Hi, R; **UPR**
- Gaviidae: Loons**
- \_\_ Pacific Loon, *Gavia pacifica* Reg; **RM**
- \_\_ Common Loon, *Gavia immer* H; **RM**
- Podicipedidae: Grebes**
- \_\_ Pied-billed Grebe, *Podilymbus podiceps* H, Fr, R; **USR**
- \_\_ Horned Grebe, *Podiceps auritus* Reg **OM**
- \_\_ Eared Grebe, *Podiceps nigricollis* Fr, **RM**
- \_\_ Western Grebe, *Aechmophorus occidentalis* Fr, Hi, **UM**
- \_\_ Clark's Grebe, *Aechmophorus clarkii* Fr, **RM**
- Pelecanidae: Pelicans**
- \_\_ American White Pelican, *Pelecanus erythrorhynchos* Fr, H, Hi, **UM**
- Phalacrocoracidae: Cormorants**
- \_\_ Double-crested Cormorant, *Phalacrocorax auritus* Fr, H, **USR**
- Ardeidae: Bitterns and Herons**
- \_\_ **Great Blue Heron, *Ardea herodias*** Fr, Fu, H, Hi, R; **UPR**
- \_\_ Great Egret, *Ardea alba* H, **SV**
- \_\_ Snowy Egret, *Egretta thula* H, **SV**
- \_\_ Little Blue Heron, *Egretta caerulea* H, **SV**
- \_\_ Tricolored Heron, *Egretta tricolor* Reg; **OM**
- \_\_ Cattle Egret, *Bubulcus ibis* Reg; **OM**

- \_\_\_ Green Heron, Butorides virescens Fr, Fu, H, R; **USR**
- \_\_\_ Black-crowned Night-Heron, *Nycticorax nycticorax* Reg; **OM**
- \_\_\_ Yellow-crowned Night-Heron, *Nyctanassa violacea* Reg; **OM**

**Threskiornithidae: Ibises, Spoonbills**

- \_\_\_ White-faced Ibis, *Plegadis chihi* H, Hi; **UM**

**Cathartidae: American Vultures**

- \_\_\_ **Turkey Vulture, Cathartes aura** Fr, Fu, H, Hi, R; **SR**

**Accipitridae: Kites, Hawks, Eagles**

- \_\_\_ Osprey, *Pandion haliaetus* Fr, H, **UM**
- \_\_\_ Bald Eagle, *Haliaeetus leucocephalus* Fr, H, Hi; **UWM**
- \_\_\_ **Northern Harrier, Circus cyaneus** Fu, Fr, H, Hi, R; **UPR**
- \_\_\_ Sharp-shinned Hawk, *Accipiter striatus* Fu, Fr, H, Hi; **RWM**
- \_\_\_ **Cooper's Hawk, Accipiter cooperii** Fu, Fr, H, R; **RPR**
- \_\_\_ Broad-winged Hawk, *Buteo platypterus* H, **RM**
- \_\_\_ **Swainson's Hawk, Buteo swainsoni** Fu, Fr; Hi, R; **USR**
- \_\_\_ **Red-tailed Hawk, Buteo jamaicensis** Fu, Fr, H, R; **CPR**
- \_\_\_ **Ferruginous Hawk, Buteo regalis** H, R; **RM**
- \_\_\_ Rough-legged Hawk, *Buteo lagopus* H, Fr, Hi; **UWM**
- \_\_\_ Golden Eagle, *Aquila chrysaetos* H, **RM**

**Falconidae: Falcons**

- \_\_\_ **American Kestrel, Falco sparverius** Fu, Fr, H, Hi, R; **UPR**
- \_\_\_ Merlin, *Falco columbarius* Fu, H, **RWM**
- \_\_\_ Prairie Falcon, *Falco mexicanus* H, Hi, R; **RWM**
- \_\_\_ Peregrine Falcon, *Falco peregrinus* H, **RM**

**Rallidae: Rails, Gallinules, Coots**

- \_\_\_ Sora, *Porzana carolina* Reg **UM**
- \_\_\_ **American Coot, Fulica americana** Fr, Hi; **UM**

**Gruidae: Cranes**

- \_\_\_ Sandhill Crane, *Grus canadensis* Fr, H, R; **CM**

**Charadriidae:**

- \_\_\_ Black-bellied Plover, *Pluvialis squatarola* H, **RM**
- \_\_\_ American Golden-Plover, *Pluvialis dominica* Reg; **RM**
- \_\_\_ Snowy Plover, *Charadrius alexandrinus* Reg; **OM**
- \_\_\_ Semipalmated Plover, *Charadrius semipalmatus* H; **RM**
- \_\_\_ Piping Plover, *Charadrius melodus* Reg; **UM**
- \_\_\_ **Killdeer, Charadrius vociferus** Fu, Fr, H, R; **CSR**

**Recurvirostridae: Stilts and Avocets**

- \_\_\_ American Avocet, *Recurvirostra americana* Fr, Hi; H, **UM**

**Scolopacidae: Sandpipers, Phalaropes**

- \_\_\_ Greater Yellowlegs, *Tringa melanoleuca* H, Hi; **UM**
- \_\_\_ Lesser Yellowlegs, *Tringa flavipes* H, R; **UM**
- \_\_\_ Solitary Sandpiper, *Tringa solitaria* Fr, H, R; **UM**
- \_\_\_ Spotted Sandpiper, Actitis macularia Fr, H, **USR**
- \_\_\_ **Upland Sandpiper, Bartramia longicauda** Fr, **USR**

- \_\_ Whimbrel, *Numenius phaeopus* Reg; **OM**
- \_\_ Long-billed Curlew, *Numenius americanus* Hi, Reg; **OM**
- \_\_ Marbled Godwit, *Limosa fedoa* Reg; **RM**
- \_\_ Ruddy Turnstone, *Arenaria interpres* Reg; **RM**
- \_\_ Sanderling, *Calidris alba* Reg; **RM**
- \_\_ Semipalmated Sandpiper, *Calidris pusilla* Fr., **UM**
- \_\_ Least Sandpiper, *Calidris minutilla* H, **UM**
- \_\_ White-rumped Sandpiper, *Calidris fuscicollis* Fr., **UM**
- \_\_ Baird's Sandpiper, *Calidris bairdii* Fr, H, **UM**
- \_\_ Pectoral Sandpiper, *Calidris melanotos* H, **UM**
- \_\_ Stilt Sandpiper, *Calidris himantopus* H, **UM**
- \_\_ Buff-breasted Sandpiper, *Tryngites subruficollis* Reg **RM**
- \_\_ Long-billed Dowitcher, *Limnodromus scolopaceus* H, R; **UM**
- \_\_ Wilson's Snipe, *Gallinago delicata* Reg **UM**
- \_\_ Wilson's Phalarope, *Phalaropus tricolor* H, Fr, R; **UM**
- \_\_ Red-necked Phalarope, *Phalaropus lobatus* Reg **RM**

**Laridae: Gulls and Terns**

- \_\_ Franklin's Gull, *Larus pipixcan* H, **UM**
- \_\_ Bonaparte's Gull, *Larus philadelphia* H, **OM**
- \_\_ Ring-billed Gull, *Larus delawarensis* Fr, H, Hi, R; **UPR**
- \_\_ California Gull, *Larus californicus* Reg
- \_\_ Herring Gull, *Larus argentatus* H, **M**
- \_\_ Thayer's Gull, *Larus thayeri* H, **V**
- \_\_ Glaucous Gull, *Larus hyperboreus* Reg **V**
- \_\_ Sabine's Gull, *Xema sabini* Reg **RM**
- \_\_ Caspian Tern, *Sterna caspia* R, Reg **RM**
- \_\_ Forster's Tern, *Sterna forsteri* Fr, H, Hi; **UM**
- \_\_ Black Tern, *Chlidonias niger* Fr, H, Hi; **UM**

**Columbidae: Pigeons and Doves**

- \_\_ *Rock Pigeon, Columba livia* Fu, Fr, H, Hi, R; **UPR**
- \_\_ Eurasian Collared-Dove, *Streptopelia decaocto* Fu, Fr, Hi, R; **UPR**
- \_\_ **Mourning Dove, Zenaida macroura** Fu, Fr, H, Hi, R; **ASR**

**Cuculidae: Cuckoos and Anis**

- \_\_ *Black-billed Cuckoo, Coccyzus erythrophthalmus* **USR**
- \_\_ **Yellow-billed Cuckoo, Coccyzus americanus** H, **USR**

**Tytonidae: Barn Owls**

- \_\_ **Barn Owl, Tyto alba** Fr; **RSR**

**Strigidae: Typical Owls**

- \_\_ **Eastern Screech-Owl, Otus asio** H, **PR**
- \_\_ **Great Horned Owl, Bubo virginianus** Fu, Fr, H, Hi; **UPR**
- \_\_ **Burrowing Owl, Athene cunicularia** Fr, Hi, R; **USR**

**Caprimulgidae: Goatsuckers**

- \_\_ **Common Nighthawk, Chordeiles minor** Fu, H, Fr, R; **USR**

**Apodidae: Swifts**

\_\_ Chimney Swift, *Chaetura pelagica* Fu, H, Fr, Hi, R; **USR**

**Alcedinidae: Kingfishers**

\_\_ Belted Kingfisher, *Ceryle alcyon* Fu, Fr, H, Hi, R; **UPR**

**Picidae: Woodpeckers**

\_\_ Red-headed Woodpecker, *Melanerpes erythrocephalus* Fu, Fr, H, Hi, R; **USR**

\_\_ Red-bellied Woodpecker, *Melanerpes carolinus* Fu, Fr, H, Hi, R; **UPR**

\_\_ Downy Woodpecker, *Picoides pubescens* Fu, Fr, H, R; **UPR**

\_\_ Hairy Woodpecker, *Picoides villosus* Fu, Fr, H, R; **UPR**

\_\_ Northern Flicker, *Colaptes auratus* Fr, Fu, H, Hi, R; **CPR**

**Tyrannidae: Tyrant Flycatchers**

\_\_ Eastern Wood-Pewee, *Contopus virens* Fu, H, **SR**

\_\_ Least Flycatcher, *Empidonax minimus* R; Reg; **UM**

\_\_ Eastern Phoebe, *Sayornis phoebe* Fu, Fr, H, Hi, R; **USR**

\_\_ Say's Phoebe, *Sayornis saya* Fu, R; **USR**

\_\_ Great Crested Flycatcher, *Myiarchus crinitus* Fu, Fr, H, Hi, R; **USR**

\_\_ Western Kingbird, *Tyrannus verticalis* Fu, Fr, H, R; **ABR**

\_\_ Eastern Kingbird, *Tyrannus tyrannus* Fu, Fr, H, R; **ABR**

**Laniidae: Shrikes**

\_\_ Northern Shrike, *Lanius excubitor* Fu, Fr, H, **WM**

\_\_ Loggerhead Shrike, *Lanius ludovicianus* Fu, Fr, H, Hi, R; **USR**

**Vireonidae: Vireos**

\_\_ Bell's Vireo, *Vireo bellii* Fr, Fu, H, Hi, R; **USR**

\_\_ Warbling Vireo, *Vireo gilvus* Fu, Fr, H, Hi, R; **USR**

\_\_ Red-eyed Vireo, *Vireo olivaceus* Fu, Fr, **RSR**

**Corvidae: Jays, Magpies, and Crows**

\_\_ Blue Jay, *Cyanocitta cristata* Fu, Fr, H, Hi, R ; **UPR**

\_\_ Pinyon Jay, *Gymnorhinus cyanocephalus* **RPR**

\_\_ Black-billed Magpie, *Pica pica* Fr, H, **UPR**

\_\_ American Crow, *Corvus brachyrhynchos* Fu, Fr, H, Hi, R; **CPR**

**Alaudidae: Larks**

\_\_ Horned Lark, *Eremophila alpestris* Fu, Fr, H, Hi, R; **CPR**

**Hirundinidae: Swallows**

\_\_ Purple Martin, *Progne subis* Fu, H, Hi, R ; **OSR**

\_\_ Tree Swallow, *Tachycineta bicolor* Fr, H, **USR**

\_\_ N. Rough-winged Swallow, *Stelgidopteryx serripennis* Fu, Fr, H, Hi, R; **CSR**

\_\_ Bank Swallow, *Riparia riparia* Fr, H, Hi, R; **CSR**

\_\_ Barn Swallow, *Hirundo rustica* Fu, Fr, H, R; **CSR**

\_\_ Cliff Swallow, *Petrochelidon pyrrhonota* Fr, Fu, H, Hi, R; **CSR**

**Paridae: Titmice**

\_\_ Black-capped Chickadee, *Poecile atricapillus* Fr, H, R; **UPR**

**Sittidae: Nuthatches**

\_\_ Red-breasted Nuthatch, *Sitta canadensis* Fr, H, **WM**

\_\_ White-breasted Nuthatch, *Sitta carolinensis* Fr, Fu, H, Hi, R; **UPR**

**Certhiidae: Creepers**

\_\_ Brown Creeper, *Certhia americana* H, PR

**Troglodytidae: Wrens**

\_\_ Rock Wren, *Salpinctes obsoletus* Fr, Hi, R; USR

\_\_ **Carolina Wren, *Thryothorus ludovicianus*** H, RPR

\_\_ **House Wren, *Troglodytes aedon*** F, Fu, H, Fr, Hi, R; USR

\_\_ Winter Wren, *Troglodytes troglodytes* Reg; WM

\_\_ Marsh Wren, *Cistothorus palustris* H, SR

**Regulidae: Kinglets**

\_\_ Golden-crowned Kinglet, *Regulus satrapa* H, WM

\_\_ Ruby-crowned Kinglet, *Regulus calendula* H, R; UM

**Sylviidae: Gnatcatchers**

\_\_ Blue-gray Gnatcatcher, *Poliophtila caerulea* Hi; Reg; RM

**Turdidae: Thrushes and Allies**

\_\_ **Eastern Bluebird, *Sialia sialis*** Fr, Fu, H, R; CSR

\_\_ Mountain Bluebird, *Sialia currucoides* Fr, SR

\_\_ Townsend's Solitaire, *Myadestes townsendi* H, Hi; WM

\_\_ **American Robin, *Turdus migratorius*** Fr, Fu, H, Hi, R; CPR

**Mimidae: Mockingbirds, Thrashers**

\_\_ **Gray Catbird, *Dumetella carolinensis*** Fr, H, R; USR

\_\_ **Northern Mockingbird, *Mimus polyglottos*** Fu, R; RSR

\_\_ **Brown Thrasher, *Toxostoma rufum*** Fu, Fr, H, Hi, R; CSR

**Sturnidae: Starlings**

\_\_ **European Starling, *Sturnus vulgaris*** Fu, Fr, H, R; UPR

**Motacillidae: Pipits**

\_\_ American Pipit, *Anthus rubescens* H, M

**Bombycillidae: Waxwings**

\_\_ Cedar Waxwing, *Bombycilla cedrorum* Fu, Fr, H, Hi, R; UPR

**Parulidae: Wood Warblers**

\_\_ Tennessee Warbler, *Vermivora peregrina* Reg; UM

\_\_ Orange-crowned Warbler, *Vermivora celata* Fr, H, Hi; UM

\_\_ **Yellow Warbler, *Dendroica petechia*** Fr, Fu, H, Hi, R; CSR

\_\_ Yellow-rumped Warbler, *Dendroica coronata* Fr, H, CM

\_\_ Palm Warbler, *Dendroica palmarum* Reg UM

\_\_ Common Yellowthroat, *Geothlypis trichas* Fu, Fr, H, Hi; USR

\_\_ Yellow-breasted Chat, *Icteria virens* Fr, Fu, H, R; USR

**Emberizidae: Towhees & Sparrows**

\_\_ Eastern Towhee, *Pipilo erythrophthalmus* H, RM

\_\_ **Spotted Towhee, *Pipilo maculatus*** Fr, H, Hi, R; USR

\_\_ American Tree Sparrow, *Spizella arborea* Fu, Fr, H, Hi, R; CWM

\_\_ Chipping Sparrow, *Spizella passerina* Fu, Fr, H, Hi; USR

\_\_ Clay-colored Sparrow, *Spizella pallida* Fr, H, Hi; UM

\_\_ **Field Sparrow, *Spizella pusilla*** Fr, H, Hi, R; CSR

\_\_ **Vesper Sparrow, *Poocetes gramineus*** Hi, R; CSR

- \_\_\_ **Lark Sparrow, *Chondestes grammacus*** Fu, Fr, H, R; **CSR**
- \_\_\_ **Lark Bunting, *Calamospiza melanocorys*** Hi, R ; **CSR**
- \_\_\_ Savannah Sparrow, *Passerculus sandwichensis* H, R; **M**
- \_\_\_ Baird's Sparrow, *Ammodramus bairdii* Hi, **RM**
- \_\_\_ **Grasshopper Sparrow, *Ammodramus sавannarum*** H, Hi, Fr, R; **USR**
- \_\_\_ Le Conte's Sparrow, *Ammodramus leconteii* R; **RM**
- \_\_\_ **Song Sparrow, *Melospiza melodia*** Fu, Fr, H, **Hi, R; UPR**
- \_\_\_ Lincoln's Sparrow, *Melospiza lincolnii* Fr, R; **UM**
- \_\_\_ White-throated Sparrow, *Zonotrichia albicollis* Fr; **UWM**
- \_\_\_ Harris's Sparrow, *Zonotrichia querula* Fu, Fr, H, R; **UWM**
- \_\_\_ White-crowned Sparrow, *Zonotrichia leucophrys* Fu, Fr, H, Hi, R; **CWM**
- \_\_\_ Dark-eyed Junco, *Junco hyemalis* Fu, Fr, H, Hi, R; **WM**
- \_\_\_ Lapland Longspur, *Calcarius lapponicus* Fr, H, **WM**

#### **Cardinalidae: Cardinals & Grosbeaks**

- \_\_\_ **Northern Cardinal *Cardinalis cardinalis*** Fu, Fr, H, R; **UPR**
- \_\_\_ **Rose-breasted Grosbeak, *Pheucticus ludovicianus*** Fu, **RSR**
- \_\_\_ **Black-headed Grosbeak, *Pheucticus melanocephalus*** Fu, Fr, **USR**
- \_\_\_ Blue Grosbeak, *Passerina caerulea* Fr, Fu, H, Hi, R; **CSR**
- \_\_\_ Lazuli Bunting, *Passerina amoena* **SR**
- \_\_\_ **Indigo Bunting, *Passerina cyanea*** Fr, H, Hi; **USR**
- \_\_\_ **Dickcissel, *Spiza americana*** Fu, Fr, H, R; **CSR**

#### **Icteridae: Blackbirds, Orioles, etc**

- \_\_\_ Bobolink, *Dolichonyx oryzivorus* Reg; **OM**
- \_\_\_ **Red-winged Blackbird, *Agelaius phoeniceus*** Fu, Fr, H, Hi, R; **CSR**
- \_\_\_ Eastern Meadowlark, *Sturnella magna* **RSR**
- \_\_\_ **Western Meadowlark, *Sturnella neglecta*** Fu, Fr, H, Hi, R; **APR**
- \_\_\_ Yellow-headed Blackbird, *Xanthocephalus xanthocephalus* Hi, R; **UM**
- \_\_\_ Rusty Blackbird, *Euphagus carolinus* H, **M**
- \_\_\_ Brewer's Blackbird, *Euphagus cyanocephalus* R; **UM**
- \_\_\_ **Common Grackle, *Quiscalus quiscula*** Fu, Fr, H, Hi; **USR**
- \_\_\_ Great-tailed Grackle, *Quiscalus mexicanus* R; **UPR**
- \_\_\_ **Brown-headed Cowbird, *Molothrus ater*** Fr, Fu, H, Hi, R; **USR**
- \_\_\_ **Orchard Oriole, *Icterus spurius*** Fu, Fr, H, Hi, R; **CSR**
- \_\_\_ **Baltimore Oriole, *Icterus galbula*** Fu, Fr, H, Hi, R; **CSR**
- \_\_\_ Bullock's Oriole, *Icterus bullockii* Reg; **USR**

#### **Fringillidae: Finches**

- \_\_\_ Purple Finch, *Carpodacus purpureus* Reg; **WR**
- \_\_\_ **House Finch, *Carpodacus mexicanus*** Fu, Fr, H, Hi, R; **UPR**
- \_\_\_ Red Crossbill, *Loxia curvirostra* H, **WM**
- \_\_\_ Pine Siskin, *Carduelis pinus* Fr, H, **WM**
- \_\_\_ **American Goldfinch, *Carduelis tristis*** Fu, Fr, H, Hi, R; **APR**
- \_\_\_ Evening Grosbeak, *Coccothraustes vespertinus* H, **WM**

#### **Passeridae: Old World Sparrows**

- \_\_\_ **House Sparrow, *Passer domesticus*** Fu, Fr, H, Hi, R; **UPR**