



A hierarchical classification of trophic guilds for North American birds and mammals

Clasificación jerárquica de gremios tróficos para aves y mamíferos de Norteamérica

Constantino González-Salazar^{1,2✉}, Enrique Martínez-Meyer¹ and Guadalupe López-Santiago²

¹Instituto de Biología, Universidad Nacional Autónoma de México. Apartado postal 70-153, 04510 México, D. F., México.

²C3 - Centro de Ciencias de la Complejidad, Universidad Nacional Autónoma de México, Apartado postal 70-543, 04510 México, D. F., México.

✉ cgsalazar7@gmail.com

Electronic supplementary material

Table S1. Taxonomic list of birds and their trophic guilds

Order	Family	Species	Trophic guild
Tinamiformes	Tinamidae	<i>Tinamus major</i>	Frugivore: ground to lower canopy gleaner
		<i>Crypturellus soui</i>	Frugivore: ground to lower canopy gleaner
Galliformes	Cracidae	<i>Crypturellus cinnamomeus</i>	Frugivore: ground to lower canopy gleaner
		<i>Crypturellus boucardi</i>	Frugivore: ground to lower canopy gleaner
		<i>Ortalis vetula</i>	Frugivore: ground to lower canopy gleaner
		<i>Ortalis wagleri</i>	Frugivore: ground to lower canopy gleaner
		<i>Ortalis poliocephala</i>	Frugivore: ground to lower canopy gleaner
		<i>Ortalis leucogastra</i>	Frugivore: ground to lower canopy gleaner
		<i>Penelope purpurascens</i>	Frugivore: upper-canopy gleaner
		<i>Penelopina nigra</i>	Frugivore: ground to lower canopy gleaner
		<i>Oreophasis derbianus</i>	Frugivore: ground to lower canopy gleaner
		<i>Crax rubra</i>	Frugivore: ground to lower canopy gleaner
	Odontophoridae	<i>Dendrortyx barbatus</i>	Granivore: ground to undergrowth gleaner
		<i>Dendrortyx macroura</i>	Granivore: ground to undergrowth gleaner
		<i>Dendrortyx leucophrys</i>	Granivore: ground to undergrowth gleaner
		<i>Oreortyx pictus</i>	Granivore: ground to undergrowth gleaner
		<i>Callipepla squamata</i>	Granivore: ground to undergrowth gleaner
		<i>Callipepla douglasii</i>	Granivore: ground to undergrowth gleaner
		<i>Callipepla californica</i>	Granivore: ground to undergrowth gleaner
		<i>Callipepla gambelii</i>	Granivore: ground to undergrowth gleaner
		<i>Philortyx fasciatus</i>	Granivore: ground to undergrowth gleaner
		<i>Colinus virginianus</i>	Granivore: ground to undergrowth gleaner
	Phasianidae	<i>Colinus nigrogularis</i>	Granivore: ground to undergrowth gleaner
		<i>Odontophorus guttatus</i>	Granivore: ground to undergrowth gleaner
		<i>Dactylortyx thoracicus</i>	Herbivores: ground forager
		<i>Cyrtonyx montezumae</i>	Granivore: ground to undergrowth gleaner
		<i>Cyrtonyx ocellatus</i>	Granivore: ground to undergrowth gleaner
		<i>Bonasa umbellus</i>	Herbivores: ground forager
		<i>Centrocercus urophasianus</i>	Herbivores: ground forager
		<i>Falcipennis canadensis</i>	Herbivores: ground forager
		<i>Lagopus lagopus</i>	Herbivores: ground forager
		<i>Lagopus muta</i>	Herbivores: ground forager
		<i>Lagopus leucura</i>	Herbivores: ground forager
		<i>Dendragapus obscurus</i>	Herbivores: ground forager
		<i>Tympanuchus phasianellus</i>	Granivore: ground to undergrowth gleaner
		<i>Tympanuchus cupido</i>	Granivore: ground to undergrowth gleaner
		<i>Tympanuchus pallidicinctus</i>	Granivore: ground to undergrowth gleaner
		<i>Meleagris gallopavo</i>	Herbivores: ground forager
		<i>Meleagris ocellata</i>	Herbivores: ground forager

Table S1. Continues

Order	Family	Species	Trophic guild
Accipitriformes	Cathartidae	<i>Coragyps atratus</i>	Scavengers
		<i>Cathartes aura</i>	Scavengers
		<i>Cathartes burrovianus</i>	Scavengers
		<i>Gymnogyps californianus</i>	Scavengers
		<i>Sarcoramphus papa</i>	Scavengers
	Pandionidae	<i>Pandion haliaetus</i>	Carnivore: freshwater-forager
	Accipitridae	<i>Leptodon cayanensis</i>	Insectivore: upper canopy foliage gleaner
		<i>Chondrohierax uncinatus</i>	Carnivore: ground-hawker
		<i>Elanoides forficatus</i>	Insectivore: air hawkler above canopy
		<i>Elanus leucurus</i>	Carnivore: ground-hawker
		<i>Rostrhamus sociabilis</i>	Carnivore: freshwater-forager
		<i>Harpagus bidentatus</i>	Insectivore: upper canopy foliage gleaner
		<i>Ictinia mississippiensis</i>	Insectivore: air hawkler above canopy
		<i>Ictinia plumbea</i>	Insectivore: air hawkler above canopy
		<i>Haliaeetus leucocephalus</i>	Carnivore: freshwater-forager
		<i>Busarellus nigricollis</i>	Carnivore: freshwater-forager
		<i>Circus cyaneus</i>	Carnivore: ground-hawker
		<i>Accipiter striatus</i>	Carnivore: air-hawker
		<i>Accipiter cooperii</i>	Carnivore: air-hawker
		<i>Accipiter bicolor</i>	Carnivore: air-hawker
		<i>Accipiter gentilis</i>	Carnivore: arboreal-hawker
		<i>Geranospiza caerulescens</i>	Carnivore: arboreal-hawker
		<i>Leucopternis albicollis</i>	Carnivore: ground-hawker
		<i>Buteogallus anthracinus</i>	Carnivore: freshwater-forager
		<i>Buteogallus urubitinga</i>	Carnivore: ground-hawker
		<i>Parabuteo unicinctus</i>	Carnivore: ground-hawker
		<i>Harpyhaliaetus solitarius</i>	Carnivore: ground-hawker
		<i>Buteo magnirostris</i>	Insectivore: ground gleaner
		<i>Buteo lineatus</i>	Carnivore: ground-hawker
		<i>Buteo platypterus</i>	Carnivore: ground-hawker
		<i>Buteo nitidus</i>	Carnivore: ground-hawker
		<i>Buteo brachyurus</i>	Carnivore: arboreal-hawker
		<i>Buteo swainsoni</i>	Carnivore: ground-hawker
		<i>Buteo albicaudatus</i>	Carnivore: ground-hawker
		<i>Buteo albonotatus</i>	Carnivore: ground-hawker
		<i>Buteo jamaicensis</i>	Carnivore: ground-hawker
		<i>Buteo regalis</i>	Carnivore: ground-hawker
		<i>Buteo lagopus</i>	Carnivore: ground-hawker
		<i>Harpia harpyja</i>	Carnivore: arboreal-hawker
		<i>Aquila chrysaetos</i>	Carnivore: ground-hawker
		<i>Spizaetus tyrannus</i>	Carnivore: arboreal-hawker
		<i>Spizaetus ornatus</i>	Carnivore: arboreal-hawker
		<i>Spizaetus melanoleucus</i>	Carnivore: arboreal-hawker
Falconiformes	Falconidae	<i>Micrastur ruficollis</i>	Carnivore: ground-hawker
		<i>Micrastur semitorquatus</i>	Carnivore: ground-hawker
		<i>Ibycter americanus</i>	Insectivore: upper canopy foliage gleaner
		<i>Caracara cheriway</i>	Scavengers
		<i>Herpetotheres cachinnans</i>	Carnivore: ground-hawker
		<i>Falco sparverius</i>	Insectivore: ground gleaner
		<i>Falco columbarius</i>	Carnivore: air-hawker
		<i>Falco femoralis</i>	Carnivore: air-hawker
		<i>Falco ruficularis</i>	Carnivore: air-hawker
		<i>Falco deiroleucus</i>	Carnivore: air-hawker
		<i>Falco rusticolus</i>	Carnivore: air-hawker
		<i>Falco peregrinus</i>	Carnivore: air-hawker
		<i>Falco mexicanus</i>	Carnivore: air-hawker
Columbiformes	Columbidae	<i>Patagioenas cayennensis</i>	Frugivore: upper-canopy gleaner

Table S1. Continues

Order	Family	Species	Trophic guild
Psittaciformes	Psittacidae	<i>Patagioenas speciosa</i>	Frugivore: upper-canopy gleaner
		<i>Patagioenas leucocephala</i>	Frugivore: ground to lower canopy gleaner
		<i>Patagioenas flavirostris</i>	Frugivore: ground to lower canopy gleaner
		<i>Patagioenas fasciata</i>	Granivore: ground to undergrowth gleaner
		<i>Patagioenas nigristrostris</i>	Frugivore: ground to lower canopy gleaner
		<i>Zenaida asiatica</i>	Granivore: ground to undergrowth gleaner
		<i>Zenaida macroura</i>	Granivore: ground to undergrowth gleaner
		<i>Ectopistes migratorius</i>	Granivore: ground to undergrowth gleaner
		<i>Columbina inca</i>	Granivore: ground to undergrowth gleaner
		<i>Columbina passerina</i>	Granivore: ground to undergrowth gleaner
		<i>Columbina minuta</i>	Granivore: ground to undergrowth gleaner
		<i>Columbina talpacoti</i>	Granivore: ground to undergrowth gleaner
		<i>Claravis pretiosa</i>	Granivore: ground to undergrowth gleaner
		<i>Claravis mondetoura</i>	Granivore: ground to undergrowth gleaner
		<i>Leptotila verreauxi</i>	Granivore: ground to undergrowth gleaner
		<i>Leptotila plumbeiceps</i>	Granivore: ground to undergrowth gleaner
		<i>Leptotila jamaicensis</i>	Granivore: ground to undergrowth gleaner
		<i>Leptotila cassini</i>	Granivore: ground to undergrowth gleaner
		<i>Geotrygon albifacies</i>	Granivore: ground to undergrowth gleaner
		<i>Geotrygon carrikeri</i>	Granivore: ground to undergrowth gleaner
		<i>Geotrygon montana</i>	Granivore: ground to undergrowth gleaner
		<i>Conuropsis carolinensis</i>	Frugivore: upper-canopy gleaner
		<i>Aratinga holochlora</i>	Frugivore: upper-canopy gleaner
		<i>Aratinga strenua</i>	Frugivore: upper-canopy gleaner
		<i>Aratinga nana</i>	Frugivore: upper-canopy gleaner
		<i>Aratinga canicularis</i>	Frugivore: upper-canopy gleaner
		<i>Ara militaris</i>	Frugivore: upper-canopy gleaner
		<i>Ara macao</i>	Frugivore: upper-canopy gleaner
		<i>Rhynchopsitta pachyrhyncha</i>	Granivore: lower to upper canopy gleaner
		<i>Rhynchopsitta terrisi</i>	Granivore: lower to upper canopy gleaner
		<i>Bolborhynchus lineola</i>	Granivore: lower to upper canopy gleaner
		<i>Forpus cyanopygius</i>	Frugivore: upper-canopy gleaner
		<i>Brotogeris jugularis</i>	Frugivore: upper-canopy gleaner
		<i>Pyrilia haematotis</i>	Frugivore: upper-canopy gleaner
		<i>Pionus senilis</i>	Frugivore: upper-canopy gleaner
		<i>Amazona albifrons</i>	Frugivore: upper-canopy gleaner
		<i>Amazona xantholara</i>	Frugivore: upper-canopy gleaner
		<i>Amazona viridigenalis</i>	Granivore: lower to upper canopy gleaner
		<i>Amazona finschi</i>	Frugivore: upper-canopy gleaner
		<i>Amazona autumnalis</i>	Frugivore: upper-canopy gleaner
		<i>Amazona farinosa</i>	Frugivore: upper-canopy gleaner
		<i>Amazona oratrix</i>	Granivore: lower to upper canopy gleaner
		<i>Amazona auropalliata</i>	Granivore: lower to upper canopy gleaner
Cuculiformes	Cuculidae	<i>Piaya cayana</i>	Insectivore: upper canopy foliage gleaner
		<i>Coccyzus americanus</i>	Insectivore: upper canopy foliage gleaner
		<i>Coccyzus minor</i>	Insectivore: upper canopy foliage gleaner
		<i>Coccyzus erythrophthalmus</i>	Insectivore: upper canopy foliage gleaner
		<i>Tapera naevia</i>	Insectivore: lower canopy foliage gleaner
		<i>Dromococcyx phasianellus</i>	Insectivore: ground gleaner
		<i>Morococcyx erythropygus</i>	Insectivore: ground gleaner
		<i>Geococcyx velox</i>	Carnivore: ground-hawker
		<i>Geococcyx californianus</i>	Carnivore: ground-hawker
		<i>Crotophaga ani</i>	Insectivore: ground gleaner
		<i>Crotophaga sulcirostris</i>	Insectivore: ground gleaner
Strigiformes	Tytonidae	<i>Tyto alba</i>	Carnivore-nocturnal
	Strigidae	<i>Otus flammeolus</i>	Insectivore-nocturnal
		<i>Megascops kennicottii</i>	Insectivore-nocturnal

Table S1. Continues

Order	Family	Species	Trophic guild
Caprimulgiformes	Caprimulgidae	<i>Megascops asio</i>	Insectivore-nocturnal
		<i>Megascops seductus</i>	Insectivore-nocturnal
		<i>Megascops cooperi</i>	Insectivore-nocturnal
		<i>Megascops trichopsis</i>	Insectivore-nocturnal
		<i>Megascops barbarus</i>	Insectivore-nocturnal
		<i>Megascops guatemalae</i>	Insectivore-nocturnal
		<i>Lophotrix cristata</i>	Insectivore-nocturnal
		<i>Pulsatrix perspicillata</i>	Carnivore-nocturnal
		<i>Bubo virginianus</i>	Carnivore-nocturnal
		<i>Bubo scandiacus</i>	Carnivore: ground-hawker
		<i>Surnia ulula</i>	Carnivore: ground-hawker
		<i>Glaucidium gnoma</i>	Carnivore: ground-hawker
		<i>Glaucidium griseiceps</i>	Insectivore-nocturnal
		<i>Glaucidium sanchezi</i>	Carnivore-nocturnal
		<i>Glaucidium palmarum</i>	Carnivore-nocturnal
		<i>Glaucidium brasilianum</i>	Insectivore: lower canopy foliage gleaner
		<i>Micrathene whitneyi</i>	Insectivore: lower canopy foliage gleaner
		<i>Athene cunicularia</i>	Insectivore: ground gleaner
		<i>Ciccaba virgata</i>	Carnivore-nocturnal
		<i>Ciccaba nigrolineata</i>	Carnivore-nocturnal
		<i>Strix occidentalis</i>	Carnivore-nocturnal
		<i>Strix varia</i>	Carnivore-nocturnal
		<i>Strix fulvescens</i>	Carnivore-nocturnal
		<i>Strix nebulosa</i>	Carnivore-nocturnal
		<i>Asio otus</i>	Carnivore-nocturnal
		<i>Asio stygius</i>	Carnivore-nocturnal
		<i>Asio flammeus</i>	Carnivore: ground-hawker
		<i>Pseudoscops clamator</i>	Carnivore-nocturnal
		<i>Aegolius funereus</i>	Carnivore-nocturnal
		<i>Aegolius acadicus</i>	Carnivore-nocturnal
		<i>Lurocalis semitorquatus</i>	Insectivore-nocturnal
		<i>Chordeiles acutipennis</i>	Insectivore-nocturnal
		<i>Chordeiles minor</i>	Insectivore-nocturnal
		<i>Nyctidromus albigollis</i>	Insectivore-nocturnal
		<i>Phalaenoptilus nuttallii</i>	Insectivore-nocturnal
		<i>Nyctiphrynus mcleodii</i>	Insectivore-nocturnal
		<i>Nyctiphrynus yucatanicus</i>	Insectivore-nocturnal
		<i>Caprimulgus carolinensis</i>	Insectivore-nocturnal
		<i>Caprimulgus salvini</i>	Insectivore-nocturnal
		<i>Caprimulgus badius</i>	Insectivore-nocturnal
		<i>Caprimulgus ridgwayi</i>	Insectivore-nocturnal
		<i>Caprimulgus vociferus</i>	Insectivore-nocturnal
		<i>Caprimulgus maculicaudus</i>	Insectivore-nocturnal
Apodiformes	Nyctibiidae	<i>Nyctibius grandis</i>	Insectivore-nocturnal
	Apodidae	<i>Nyctibius jamaicensis</i>	Insectivore: air hawk above canopy
		<i>Cypseloides niger</i>	Insectivore: air hawk above canopy
		<i>Cypseloides storeri</i>	Insectivore: air hawk above canopy
		<i>Streptoprocne rutila</i>	Insectivore: air hawk above canopy
		<i>Streptoprocne zonaris</i>	Insectivore: air hawk above canopy
		<i>Streptoprocne semicollaris</i>	Insectivore: air hawk above canopy
		<i>Chaetura pelagica</i>	Insectivore: air hawk above canopy
		<i>Chaetura vauxi</i>	Insectivore: air hawk above canopy
		<i>Aeronautes saxatalis</i>	Insectivore: air hawk above canopy
		<i>Panyptila cayennensis</i>	Insectivore: air hawk above canopy
		<i>Panyptila sanctihieronymi</i>	Insectivore: air hawk above canopy
	Trochilidae	<i>Phaethornis longirostris</i>	Nectarivore
		<i>Phaethornis striigularis</i>	Nectarivore

Table S1. Continues

<i>Order</i>	<i>Family</i>	<i>Species</i>	<i>Trophic guild</i>
Trogoniformes	Trogonidae	<i>Campylopterus curvipennis</i>	Nectarivore
		<i>Campylopterus excellens</i>	Nectarivore
		<i>Campylopterus rufus</i>	Nectarivore
		<i>Campylopterus hemileucurus</i>	Nectarivore
		<i>Florisuga mellivora</i>	Nectarivore
		<i>Colibri thalassinus</i>	Nectarivore
		<i>Anthracothorax prevostii</i>	Nectarivore
		<i>Abeillia abeillei</i>	Nectarivore
		<i>Lophornis brachylophus</i>	Nectarivore
		<i>Lophornis helenae</i>	Nectarivore
		<i>Chlorostilbon auriceps</i>	Nectarivore
		<i>Chlorostilbon canivetii</i>	Nectarivore
		<i>Cynanthus sordidus</i>	Nectarivore
		<i>Cynanthus latirostris</i>	Nectarivore
		<i>Thalurania ridgwayi</i>	Nectarivore
		<i>Hylocharis eliciae</i>	Nectarivore
		<i>Hylocharis leucotis</i>	Nectarivore
		<i>Hylocharis xantusii</i>	Nectarivore
		<i>Amazilia candida</i>	Nectarivore
		<i>Amazilia cyanocephala</i>	Nectarivore
		<i>Amazilia beryllina</i>	Nectarivore
		<i>Amazilia cyanura</i>	Nectarivore
		<i>Amazilia tzacatl</i>	Nectarivore
		<i>Amazilia yucatanensis</i>	Nectarivore
		<i>Amazilia rutila</i>	Nectarivore
		<i>Amazilia violiceps</i>	Nectarivore
		<i>Amazilia viridifrons</i>	Nectarivore
		<i>Eupherusa eximia</i>	Nectarivore
		<i>Eupherusa cyanophrys</i>	Nectarivore
		<i>Eupherusa poliocerca</i>	Nectarivore
		<i>Lampornis viridipallens</i>	Nectarivore
		<i>Lampornis amethystinus</i>	Nectarivore
		<i>Lampornis clemenciae</i>	Nectarivore
		<i>Lamprolaima rhami</i>	Nectarivore
		<i>Eugenes fulgens</i>	Nectarivore
		<i>Heliothryx barroti</i>	Nectarivore
		<i>Heliomaster longirostris</i>	Nectarivore
		<i>Heliomaster constantii</i>	Nectarivore
		<i>Doricha enicura</i>	Nectarivore
		<i>Doricha eliza</i>	Nectarivore
		<i>Tilmatura dupontii</i>	Nectarivore
		<i>Calothorax lucifer</i>	Nectarivore
		<i>Calothorax pulcher</i>	Nectarivore
		<i>Archilochus colubris</i>	Nectarivore
		<i>Archilochus alexandri</i>	Nectarivore
		<i>Calypte anna</i>	Nectarivore
		<i>Calypte costae</i>	Nectarivore
		<i>Stellula calliope</i>	Nectarivore
		<i>Atthis heloisa</i>	Nectarivore
		<i>Atthis ellioti</i>	Nectarivore
		<i>Selasphorus platycercus</i>	Nectarivore
		<i>Selasphorus rufus</i>	Nectarivore
		<i>Selasphorus sasin</i>	Nectarivore
		<i>Trogon massena</i>	Frugivore: upper-canopy gleaner
		<i>Trogon melanocephalus</i>	Frugivore: upper-canopy gleaner
		<i>Trogon citreolus</i>	Frugivore: upper-canopy gleaner
		<i>Trogon violaceus</i>	Frugivore: upper-canopy gleaner

Table S1. Continues

Order	Family	Species	Trophic guild
Coraciiformes	Momotidae	<i>Trogon elegans</i>	Frugivore: upper-canopy gleaner
		<i>Trogon mexicanus</i>	Frugivore: upper-canopy gleaner
		<i>Trogon collaris</i>	Frugivore: upper-canopy gleaner
		<i>Euptilotis neoxenus</i>	Frugivore: upper-canopy gleaner
		<i>Pharomachrus mocinno</i>	Frugivore: upper-canopy gleaner
		<i>Hylomanes momotula</i>	Insectivore: air hawk under canopy
		<i>Aspatha gularis</i>	Insectivore: air hawk under canopy
		<i>Momotus mexicanus</i>	Insectivore: air hawk under canopy
		<i>Momotus momota</i>	Insectivore: air hawk under canopy
		<i>Electron carinatum</i>	Insectivore: lower canopy foliage gleaner
Coraciiformes	Alcedinidae	<i>Eumomota superciliosa</i>	Insectivore: ground gleaner
		<i>Megaceryle torquata</i>	Carnivore: freshwater-forager
		<i>Megaceryle alcyon</i>	Carnivore: freshwater-forager
		<i>Chloroceryle amazona</i>	Carnivore: freshwater-forager
		<i>Chloroceryle americana</i>	Carnivore: freshwater-forager
Piciformes	Bucconidae	<i>Chloroceryle aenea</i>	Carnivore: freshwater-forager
		<i>Notharchus hyperrhynchus</i>	Insectivore: upper canopy foliage gleaner
Piciformes	Galbulidae	<i>Malacoptila panamensis</i>	Insectivore: lower canopy foliage gleaner
		<i>Galbula ruficauda</i>	Insectivore: air hawk under canopy
	Ramphastidae	<i>Aulacorhynchus prasinus</i>	Frugivore: upper-canopy gleaner
		<i>Pteroglossus torquatus</i>	Frugivore: upper-canopy gleaner
		<i>Ramphastos sulfuratus</i>	Frugivore: upper-canopy gleaner
		<i>Picidae</i>	Insectivore: air hawk under canopy
	Picidae	<i>Melanerpes lewis</i>	Insectivore: air hawk under canopy
		<i>Melanerpes erythrocephalus</i>	Insectivore: air hawk under canopy
		<i>Melanerpes formicivorus</i>	Insectivore: bark excavator
		<i>Melanerpes pucherani</i>	Insectivore: bark excavator
		<i>Melanerpes chrysogenys</i>	Insectivore: bark excavator
		<i>Melanerpes hypopolius</i>	Insectivore: bark excavator
		<i>Melanerpes pygmaeus</i>	Insectivore: bark excavator
		<i>Melanerpes uropygialis</i>	Insectivore: bark excavator
		<i>Melanerpes aurifrons</i>	Insectivore: bark excavator
		<i>Melanerpes carolinus</i>	Insectivore: bark excavator
		<i>Sphyrapicus thyroideus</i>	Insectivore: bark excavator
		<i>Sphyrapicus varius</i>	Insectivore: bark excavator
		<i>Sphyrapicus nuchalis</i>	Insectivore: bark excavator
		<i>Sphyrapicus ruber</i>	Insectivore: bark excavator
		<i>Picoides scalaris</i>	Insectivore: bark excavator
		<i>Picoides nuttallii</i>	Insectivore: bark excavator
		<i>Picoides pubescens</i>	Insectivore: bark excavator
		<i>Picoides villosus</i>	Insectivore: bark excavator
		<i>Picoides arizonae</i>	Insectivore: bark excavator
		<i>Picoides stricklandi</i>	Insectivore: bark excavator
		<i>Picoides borealis</i>	Insectivore: bark excavator
		<i>Picoides albolarvatus</i>	Insectivore: bark excavator
		<i>Picoides dorsalis</i>	Insectivore: bark excavator
		<i>Picoides arcticus</i>	Insectivore: bark excavator
		<i>Veniliornis fumigatus</i>	Insectivore: bark excavator
		<i>Colaptes rubiginosus</i>	Insectivore: bark excavator
		<i>Colaptes auricularis</i>	Insectivore: bark excavator
		<i>Colaptes auratus</i>	Insectivore: ground gleaner
		<i>Colaptes chrysoides</i>	Insectivore: ground gleaner
		<i>Celeus castaneus</i>	Insectivore: bark excavator
		<i>Dryocopus lineatus</i>	Insectivore: bark excavator
		<i>Dryocopus pileatus</i>	Insectivore: bark excavator
		<i>Campephilus guatemalensis</i>	Insectivore: bark excavator
		<i>Campephilus principalis</i>	Insectivore: bark excavator
		<i>Campephilus imperialis</i>	Insectivore: bark excavator

Table S1. Continues

Order	Family	Species	Trophic guild
Passeriformes	Furnariidae	<i>Sclerurus mexicanus</i>	Insectivore: ground gleaner
		<i>Sclerurus guatemalensis</i>	Insectivore: ground gleaner
		<i>Synallaxis erythrothorax</i>	Insectivore: lower canopy foliage gleaner
		<i>Anabacerthia variegaticeps</i>	Insectivore: lower canopy foliage gleaner
		<i>Automolus ochrolaemus</i>	Insectivore: ground gleaner
		<i>Automolus rubiginosus</i>	Insectivore: lower canopy foliage gleaner
		<i>Xenops minutus</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendrocincla anabatina</i>	Insectivore: ground gleaner
		<i>Dendrocincla homochroa</i>	Insectivore: ground gleaner
		<i>Sittasomus griseicapillus</i>	Insectivore: bark gleaner
		<i>Glyphorhynchus spirurus</i>	Insectivore: bark gleaner
		<i>Xiphocolaptes promeropirhynchus</i>	Insectivore: bark gleaner
		<i>Dendrocolaptes sanctithomae</i>	Insectivore: bark gleaner
		<i>Dendrocolaptes picumnus</i>	Insectivore: bark gleaner
		<i>Xiphorhynchus flavigaster</i>	Insectivore: bark gleaner
		<i>Xiphorhynchus erythropygius</i>	Insectivore: bark gleaner
		<i>Lepidocolaptes leucogaster</i>	Insectivore: bark gleaner
		<i>Lepidocolaptes souleyetii</i>	Insectivore: bark gleaner
		<i>Lepidocolaptes affinis</i>	Insectivore: bark gleaner
	Thamnophilidae	<i>Taraba major</i>	Insectivore: lower canopy foliage gleaner
		<i>Thamnophilus doliatus</i>	Insectivore: lower canopy foliage gleaner
		<i>Thamnistes anabatinus</i>	Insectivore: upper canopy foliage gleaner
		<i>Dysithamnus mentalis</i>	Insectivore: lower canopy foliage gleaner
		<i>Myrmotherula schisticolor</i>	Insectivore: lower canopy foliage gleaner
		<i>Microrhopias quixensis</i>	Insectivore: lower canopy foliage gleaner
	Formicariidae	<i>Cercomacra tyrannina</i>	Insectivore: ground gleaner
		<i>Formicarius analis</i>	Insectivore: ground gleaner
	Grallariidae	<i>Grallaria guatemalensis</i>	Insectivore: ground gleaner
	Tyrannidae	<i>Ornithion semiflavum</i>	Insectivore: lower canopy foliage gleaner
		<i>Camptostoma imberbe</i>	Insectivore: airhawker under canopy
		<i>Myiopagis viridicata</i>	Insectivore: upper canopy foliage gleaner
		<i>Elaenia martinica</i>	Insectivore: airhawker under canopy
		<i>Elaenia flavogaster</i>	Insectivore: airhawker under canopy
		<i>Mionectes oleagineus</i>	Insectivore: airhawker under canopy
		<i>Leptopogon amaurocephalus</i>	Insectivore: airhawker under canopy
		<i>Zimmerius vilissimus</i>	Insectivore: lower canopy foliage gleaner
		<i>Oncostoma cinereigulare</i>	Insectivore: lower canopy foliage gleaner
		<i>Poecilotriccus sylvia</i>	Insectivore: lower canopy foliage gleaner
		<i>Todirostrum cinereum</i>	Insectivore: airhawker under canopy
		<i>Rhynchocyclus brevirostris</i>	Insectivore: upper canopy foliage gleaner
		<i>Tolmomyias sulphurescens</i>	Insectivore: airhawker under canopy
		<i>Platyrinchus cancrominus</i>	Insectivore: lower canopy foliage gleaner
		<i>Onychorhynchus coronatus</i>	Insectivore: airhawker under canopy
		<i>Myiobius sulphureipygius</i>	Insectivore: airhawker under canopy
		<i>Xenotriccus callizonus</i>	Insectivore: lower canopy foliage gleaner
		<i>Xenotriccus mexicanus</i>	Insectivore: lower canopy foliage gleaner
		<i>Mitrephanes phaeocercus</i>	Insectivore: airhawker under canopy
		<i>Contopus cooperi</i>	Insectivore: airhawker under canopy
		<i>Contopus pertinax</i>	Insectivore: airhawker under canopy
		<i>Contopus sordidulus</i>	Insectivore: airhawker under canopy
		<i>Contopus virens</i>	Insectivore: airhawker under canopy
		<i>Contopus cinereus</i>	Insectivore: airhawker under canopy
		<i>Empidonax flaviventris</i>	Insectivore: airhawker under canopy
		<i>Empidonax virescens</i>	Insectivore: airhawker under canopy
		<i>Empidonax alnorum</i>	Insectivore: airhawker under canopy
		<i>Empidonax traillii</i>	Insectivore: airhawker under canopy
		<i>Empidonax albigularis</i>	Insectivore: airhawker under canopy

Table S1. Continues

Order	Family	Species	Trophic guild
		<i>Empidonax minimus</i>	Insectivore: airhawker under canopy
		<i>Empidonax hammondi</i>	Insectivore: airhawker under canopy
		<i>Empidonax wrightii</i>	Insectivore: airhawker under canopy
		<i>Empidonax oberholseri</i>	Insectivore: airhawker under canopy
		<i>Empidonax affinis</i>	Insectivore: airhawker under canopy
		<i>Empidonax difficilis</i>	Insectivore: airhawker under canopy
		<i>Empidonax occidentalis</i>	Insectivore: airhawker under canopy
		<i>Empidonax flavescens</i>	Insectivore: airhawker under canopy
		<i>Empidonax fulvifrons</i>	Insectivore: airhawker under canopy
		<i>Sayornis nigricans</i>	Insectivore: airhawker under canopy
		<i>Sayornis phoebe</i>	Insectivore: airhawker under canopy
		<i>Sayornis saya</i>	Insectivore: airhawker under canopy
		<i>Pyrocephalus rubinus</i>	Insectivore: airhawker under canopy
		<i>Attila spadiceus</i>	Insectivore: ground gleaner
		<i>Rhytipterna holerythra</i>	Insectivore: lower canopy foliage gleaner
		<i>Myiarchus yucatanensis</i>	Insectivore: airhawker under canopy
		<i>Myiarchus tuberculifer</i>	Insectivore: airhawker under canopy
		<i>Myiarchus cinerascens</i>	Insectivore: airhawker under canopy
		<i>Myiarchus nuttingi</i>	Insectivore: airhawker under canopy
		<i>Myiarchus crinitus</i>	Insectivore: airhawker under canopy
		<i>Myiarchus tyrannulus</i>	Insectivore: airhawker under canopy
		<i>Deltarhynchus flammulatus</i>	Insectivore: airhawker under canopy
		<i>Pitangus sulphuratus</i>	Insectivore: upper canopy foliage gleaner
		<i>Megarynchus pitangua</i>	Insectivore: airhawker under canopy
		<i>Myiozetetes similis</i>	Insectivore: airhawker under canopy
		<i>Myiodynastes maculatus</i>	Insectivore: airhawker under canopy
		<i>Myiodynastes luteiventris</i>	Insectivore: airhawker under canopy
		<i>Legatus leucophaeus</i>	Insectivore: airhawker under canopy
		<i>Tyrannus melancholicus</i>	Insectivore: airhawker under canopy
		<i>Tyrannus couchii</i>	Insectivore: airhawker under canopy
		<i>Tyrannus vociferans</i>	Insectivore: airhawker under canopy
		<i>Tyrannus crassirostris</i>	Insectivore: airhawker under canopy
		<i>Tyrannus verticalis</i>	Insectivore: airhawker under canopy
		<i>Tyrannus tyrannus</i>	Insectivore: airhawker under canopy
		<i>Tyrannus dominicensis</i>	Insectivore: airhawker under canopy
		<i>Tyrannus forficatus</i>	Insectivore: airhawker under canopy
		<i>Tyrannus savana</i>	Insectivore: airhawker under canopy
		<i>Schiffornis turdina</i>	Insectivore: lower canopy foliage gleaner
		<i>Laniocera rufescens</i>	Insectivore: lower canopy foliage gleaner
		<i>Pachyramphus cinnamomeus</i>	Insectivore: airhawker under canopy
		<i>Pachyramphus major</i>	Insectivore: airhawker under canopy
		<i>Pachyramphus aglaiae</i>	Insectivore: airhawker under canopy
		<i>Tityra semifasciata</i>	Insectivore: upper canopy foliage gleaner
		<i>Tityra inquisitor</i>	Insectivore: upper canopy foliage gleaner
	Cotingidae	<i>Cotinga amabilis</i>	Frugivore: upper-canopy gleaner
		<i>Lipaugus unirufus</i>	Insectivore: lower canopy foliage gleaner
	Pipridae	<i>Manacus candei</i>	Frugivore: upper-canopy gleaner
		<i>Chiroxiphia linearis</i>	Frugivore: upper-canopy gleaner
		<i>Pipra mentalis</i>	Frugivore: upper-canopy gleaner
	Laniidae	<i>Lanius ludovicianus</i>	Insectivore: ground gleaner
		<i>Lanius excubitor</i>	Insectivore: ground gleaner
	Vireonidae	<i>Vireo brevipennis</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo griseus</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo pallens</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo bellii</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo atricapilla</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo nelsoni</i>	Insectivore: lower canopy foliage gleaner

Table S1. Continues

Order	Family	Species	Trophic guild
		<i>Vireo vicinior</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo flavifrons</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo plumbeus</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo cassinii</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo solitarius</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo huttoni</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo hypochryseus</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo gilvus</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo leucophrys</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo philadelphicus</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo olivaceus</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo flavoviridis</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireo magister</i>	Insectivore: lower canopy foliage gleaner
		<i>Hylophilus ochraceiceps</i>	Insectivore: lower canopy foliage gleaner
		<i>Hylophilus decurtatus</i>	Insectivore: upper canopy foliage gleaner
		<i>Vireolanius melitophrys</i>	Insectivore: lower canopy foliage gleaner
		<i>Vireolanius pulchellus</i>	Insectivore: lower canopy foliage gleaner
		<i>Cyclarhis gujanensis</i>	Insectivore: lower canopy foliage gleaner
	Corvidae	<i>Perisoreus canadensis</i>	Omnivore: ground forager
		<i>Cyanolyca mirabilis</i>	Omnivore: arboreal forager
		<i>Cyanolyca nana</i>	Insectivore: upper canopy foliage gleaner
		<i>Cyanolyca pumilo</i>	Omnivore: arboreal forager
		<i>Cyanolyca cucullata</i>	Omnivore: arboreal forager
		<i>Calocitta colliei</i>	Omnivore: arboreal forager
		<i>Calocitta formosa</i>	Omnivore: arboreal forager
		<i>Cyanocorax morio</i>	Omnivore: arboreal forager
		<i>Cyanocorax dickeyi</i>	Omnivore: arboreal forager
		<i>Cyanocorax yncas</i>	Omnivore: arboreal forager
		<i>Cyanocorax sanblasianus</i>	Omnivore: arboreal forager
		<i>Cyanocorax yucatanicus</i>	Omnivore: arboreal forager
		<i>Cyanocorax beecheii</i>	Omnivore: arboreal forager
		<i>Cyanocitta stelleri</i>	Omnivore: ground forager
		<i>Cyanocitta cristata</i>	Omnivore: ground forager
		<i>Aphelocoma coerulescens</i>	Omnivore: ground forager
		<i>Aphelocoma californica</i>	Omnivore: ground forager
		<i>Aphelocoma ultramarina</i>	Omnivore: ground forager
		<i>Aphelocoma unicolor</i>	Omnivore: ground forager
		<i>Gymnorhinus cyanocephalus</i>	Omnivore: ground forager
		<i>Nucifraga columbiana</i>	Granivore: lower to upper canopy gleaner
		<i>Pica hudsonia</i>	Omnivore: ground forager
		<i>Pica nuttalli</i>	Omnivore: ground forager
		<i>Corvus brachyrhynchos</i>	Omnivore: ground forager
		<i>Corvus caurinus</i>	Omnivore: ground forager
		<i>Corvus imparatus</i>	Omnivore: ground forager
		<i>Corvus sinaloae</i>	Omnivore: ground forager
		<i>Corvus ossifragus</i>	Omnivore: ground forager
		<i>Corvus cryptoleucus</i>	Omnivore: ground forager
		<i>Corvus corax</i>	Omnivore: ground forager
	Alaudidae	<i>Eremophila alpestris</i>	Granivore: ground to undergrowth gleaner
	Hirundinidae	<i>Progne subis</i>	Insectivore: air hawk above canopy
		<i>Progne sinaloae</i>	Insectivore: air hawk above canopy
		<i>Progne chalybea</i>	Insectivore: air hawk above canopy
		<i>Tachycineta bicolor</i>	Insectivore: air hawk above canopy
		<i>Tachycineta albilinea</i>	Insectivore: air hawk above canopy
		<i>Tachycineta thalassina</i>	Insectivore: air hawk above canopy
		<i>Notiochelidon pileata</i>	Insectivore: air hawk above canopy
		<i>Stelgidopteryx serripennis</i>	Insectivore: air hawk above canopy

Table S1. Continues

Order	Family	Species	Trophic guild
		<i>Riparia riparia</i>	Insectivore: air hawk above canopy
		<i>Petrochelidon pyrrhonota</i>	Insectivore: air hawk above canopy
		<i>Petrochelidon fulva</i>	Insectivore: air hawk above canopy
		<i>Hirundo rustica</i>	Insectivore: air hawk above canopy
	Paridae	<i>Poecile carolinensis</i>	Insectivore: lower canopy foliage gleaner
		<i>Poecile atricapillus</i>	Insectivore: lower canopy foliage gleaner
		<i>Poecile gambeli</i>	Insectivore: lower canopy foliage gleaner
		<i>Poecile sclateri</i>	Insectivore: upper canopy foliage gleaner
		<i>Poecile rufescens</i>	Insectivore: lower canopy foliage gleaner
		<i>Poecile hudsonicus</i>	Insectivore: lower canopy foliage gleaner
		<i>Poecile cinctus</i>	Insectivore: lower canopy foliage gleaner
		<i>Baeolophus wollweberi</i>	Insectivore: lower canopy foliage gleaner
		<i>Baeolophus inornatus</i>	Insectivore: lower canopy foliage gleaner
		<i>Baeolophus ridgwayi</i>	Insectivore: lower canopy foliage gleaner
		<i>Baeolophus bicolor</i>	Insectivore: lower canopy foliage gleaner
		<i>Baeolophus atricristatus</i>	Insectivore: lower canopy foliage gleaner
	Remizidae	<i>Auriparus flaviceps</i>	Insectivore: lower canopy foliage gleaner
	Aegithalidae	<i>Psaltiriparus minimus</i>	Insectivore: lower canopy foliage gleaner
	Sittidae	<i>Sitta canadensis</i>	Insectivore: bark gleaner
		<i>Sitta carolinensis</i>	Insectivore: bark gleaner
		<i>Sitta pygmaea</i>	Insectivore: bark gleaner
		<i>Sitta pusilla</i>	Insectivore: bark gleaner
	Certhiidae	<i>Certhia americana</i>	Insectivore: bark gleaner
	Troglodytidae	<i>Campylorhynchus zonatus</i>	Insectivore: lower canopy foliage gleaner
		<i>Campylorhynchus megalopterus</i>	Insectivore: ground gleaner
		<i>Campylorhynchus chiapensis</i>	Insectivore: ground gleaner
		<i>Campylorhynchus rufinucha</i>	Insectivore: lower canopy foliage gleaner
		<i>Campylorhynchus gularis</i>	Insectivore: ground gleaner
		<i>Campylorhynchus jocosus</i>	Insectivore: ground gleaner
		<i>Campylorhynchus yucatanicus</i>	Insectivore: ground gleaner
		<i>Campylorhynchus brunneicapillus</i>	Insectivore: ground gleaner
		<i>Salpinctes obsoletus</i>	Insectivore: ground gleaner
		<i>Catherpes mexicanus</i>	Insectivore: ground gleaner
		<i>Hylorchilus sumichrasti</i>	Insectivore: ground gleaner
		<i>Hylorchilus navai</i>	Insectivore: ground gleaner
		<i>Thryothorus maculipictus</i>	Insectivore: lower canopy foliage gleaner
		<i>Thryothorus rufalbus</i>	Insectivore: ground gleaner
		<i>Thryothorus sinaloa</i>	Insectivore: lower canopy foliage gleaner
		<i>Thryothorus pleurostictus</i>	Insectivore: lower canopy foliage gleaner
		<i>Thryothorus ludovicianus</i>	Insectivore: lower canopy foliage gleaner
		<i>Thryothorus felix</i>	Insectivore: lower canopy foliage gleaner
		<i>Thryothorus modestus</i>	Insectivore: ground gleaner
		<i>Thryomanes bewickii</i>	Insectivore: ground gleaner
		<i>Troglodytes aedon</i>	Insectivore: lower canopy foliage gleaner
		<i>Troglodytes rufociliatus</i>	Insectivore: lower canopy foliage gleaner
		<i>Troglodytes hiemalis</i>	Insectivore: lower canopy foliage gleaner
		<i>Cistothorus platensis</i>	Insectivore: lower canopy foliage gleaner
		<i>Cistothorus palustris</i>	Insectivore: lower canopy foliage gleaner
		<i>Uropsila leucogastra</i>	Insectivore: ground gleaner
		<i>Henicorhina leucosticta</i>	Insectivore: ground gleaner
		<i>Henicorhina leucophrys</i>	Insectivore: ground gleaner
		<i>Microcerculus philomela</i>	Insectivore: ground gleaner
	Poliophtilidae	<i>Ramphocaelus melanurus</i>	Insectivore: lower canopy foliage gleaner
		<i>Poliophtila caerulea</i>	Insectivore: lower canopy foliage gleaner
		<i>Poliophtila californica</i>	Insectivore: lower canopy foliage gleaner
		<i>Poliophtila melanura</i>	Insectivore: upper canopy foliage gleaner
		<i>Poliophtila nigriceps</i>	Insectivore: lower canopy foliage gleaner

Table S1. Continues

Order	Family	Species	Trophic guild
		<i>Poliophtila albiloris</i>	Insectivore: lower canopy foliage gleaner
	Cinclidae	<i>Poliophtila plumbea</i>	Insectivore: upper canopy foliage gleaner
	Regulidae	<i>Cinclus mexicanus</i>	Carnivore: freshwater-forager
		<i>Regulus satrapa</i>	Insectivore: lower canopy foliage gleaner
		<i>Regulus calendula</i>	Insectivore: lower canopy foliage gleaner
	Phylloscopidae	<i>Phylloscopus borealis</i>	Insectivore: lower canopy foliage gleaner
	Sylviidae	<i>Chamaea fasciata</i>	Insectivore: lower canopy foliage gleaner
	Turdidae	<i>Oenanthe oenanthe</i>	Insectivore: ground gleaner
		<i>Sialia sialis</i>	Insectivore: ground gleaner
		<i>Sialia mexicana</i>	Insectivore: air hawk under canopy
		<i>Sialia currucoides</i>	Insectivore: air hawk under canopy
		<i>Myadestes townsendi</i>	Insectivore: air hawk under canopy
		<i>Myadestes occidentalis</i>	Insectivore: air hawk under canopy
		<i>Myadestes unicolor</i>	Insectivore: air hawk under canopy
		<i>Catharus aurantirostris</i>	Insectivore: ground gleaner
		<i>Catharus occidentalis</i>	Insectivore: ground gleaner
		<i>Catharus frantzii</i>	Insectivore: ground gleaner
		<i>Catharus mexicanus</i>	Insectivore: ground gleaner
		<i>Catharus dryas</i>	Insectivore: ground gleaner
		<i>Catharus fuscescens</i>	Insectivore: ground gleaner
		<i>Catharus minimus</i>	Insectivore: ground gleaner
		<i>Catharus ustulatus</i>	Insectivore: lower canopy foliage gleaner
		<i>Catharus guttatus</i>	Insectivore: ground gleaner
		<i>Hylocichla mustelina</i>	Insectivore: ground gleaner
		<i>Turdus infuscatus</i>	Insectivore: lower canopy foliage gleaner
		<i>Turdus plebejus</i>	Insectivore: lower canopy foliage gleaner
		<i>Turdus grayi</i>	Insectivore: ground gleaner
		<i>Turdus assimilis</i>	Insectivore: ground gleaner
		<i>Turdus rufopallatus</i>	Insectivore: ground gleaner
		<i>Turdus rufitorques</i>	Insectivore: ground gleaner
		<i>Turdus migratorius</i>	Insectivore: ground gleaner
		<i>Ixoreus naevius</i>	Insectivore: ground gleaner
		<i>Ridgwayia pinicola</i>	Insectivore: lower canopy foliage gleaner
	Mimidae	<i>Dumetella carolinensis</i>	Insectivore: ground gleaner
		<i>Melanoptila glabrirostris</i>	Insectivore: ground gleaner
		<i>Mimus polyglottos</i>	Insectivore: ground gleaner
		<i>Mimus gilvus</i>	Insectivore: ground gleaner
		<i>Oreoscoptes montanus</i>	Insectivore: ground gleaner
		<i>Toxostoma rufum</i>	Insectivore: ground gleaner
		<i>Toxostoma longirostre</i>	Insectivore: ground gleaner
		<i>Toxostoma cinereum</i>	Insectivore: ground gleaner
		<i>Toxostoma bendirei</i>	Insectivore: ground gleaner
		<i>Toxostoma ocellatum</i>	Insectivore: ground gleaner
		<i>Toxostoma curvirostre</i>	Insectivore: ground gleaner
		<i>Toxostoma redivivum</i>	Insectivore: ground gleaner
		<i>Toxostoma crissale</i>	Insectivore: ground gleaner
		<i>Toxostoma lecontei</i>	Insectivore: ground gleaner
		<i>Melanotis caerulescens</i>	Insectivore: ground gleaner
		<i>Melanotis hypoleucus</i>	Insectivore: ground gleaner
	Motacillidae	<i>Motacilla flava</i>	Insectivore: ground gleaner
		<i>Anthus cervinus</i>	Insectivore: ground gleaner
		<i>Anthus rubescens</i>	Insectivore: ground gleaner
		<i>Anthus spragueii</i>	Insectivore: ground gleaner
	Bombycillidae	<i>Bombycilla garrulus</i>	Frugivore: upper-canopy gleaner
		<i>Bombycilla cedrorum</i>	Frugivore: upper-canopy gleaner
	Ptilonotidae	<i>Ptilonotus cinereus</i>	Insectivore: air hawk above canopy
		<i>Phainopepla nitens</i>	Insectivore: air hawk under canopy

Table S1. Continues

Order	Family	Species	Trophic guild
	Peucedramidae	<i>Peucedramus taeniatus</i>	Insectivore: lower canopy foliage gleaner
	Calcariidae	<i>Calcarius lapponicus</i>	Granivore: ground to undergrowth gleaner
		<i>Calcarius ornatus</i>	Granivore: ground to undergrowth gleaner
		<i>Calcarius pictus</i>	Granivore: ground to undergrowth gleaner
		<i>Rhynchophanes mccownii</i>	Granivore: ground to undergrowth gleaner
		<i>Plectrophenax nivalis</i>	Granivore: ground to undergrowth gleaner
	Parulidae	<i>Vermivora bachmanii</i>	Insectivore: lower canopy foliage gleaner
		<i>Vermivora cyanoptera</i>	Insectivore: lower canopy foliage gleaner
		<i>Vermivora chrysoptera</i>	Insectivore: lower canopy foliage gleaner
		<i>Oreothlypis peregrina</i>	Insectivore: lower canopy foliage gleaner
		<i>Oreothlypis celata</i>	Insectivore: lower canopy foliage gleaner
		<i>Oreothlypis ruficapilla</i>	Insectivore: lower canopy foliage gleaner
		<i>Oreothlypis virginiae</i>	Insectivore: lower canopy foliage gleaner
		<i>Oreothlypis crissalis</i>	Insectivore: lower canopy foliage gleaner
		<i>Oreothlypis luciae</i>	Insectivore: lower canopy foliage gleaner
		<i>Oreothlypis superciliosa</i>	Insectivore: lower canopy foliage gleaner
		<i>Parula americana</i>	Insectivore: lower canopy foliage gleaner
		<i>Parula pityayumi</i>	Insectivore: upper canopy foliage gleaner
		<i>Dendroica petechia</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica pensylvanica</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica magnolia</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica tigrina</i>	Insectivore: upper canopy foliage gleaner
		<i>Dendroica caerulescens</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica coronata</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica nigrescens</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica chrysoparia</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica virens</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica townsendi</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica occidentalis</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica fusca</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica dominica</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica graciae</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica pinus</i>	Insectivore: upper canopy foliage gleaner
		<i>Dendroica kirtlandii</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica discolor</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica palmarum</i>	Insectivore: ground gleaner
		<i>Dendroica castanea</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica striata</i>	Insectivore: lower canopy foliage gleaner
		<i>Dendroica cerulea</i>	Insectivore: lower canopy foliage gleaner
		<i>Mniotilta varia</i>	Insectivore: bark gleaner
		<i>Setophaga ruticilla</i>	Insectivore: air hawk under canopy
		<i>Protonotaria citrea</i>	Insectivore: lower canopy foliage gleaner
		<i>Helmitheros vermivorum</i>	Insectivore: lower canopy foliage gleaner
		<i>Limnithlypis swainsonii</i>	Insectivore: ground gleaner
		<i>Seiurus aurocapilla</i>	Insectivore: ground gleaner
		<i>Parkesia noveboracensis</i>	Insectivore: ground gleaner
		<i>Parkesia motacilla</i>	Insectivore: ground gleaner
		<i>Oporornis formosus</i>	Insectivore: ground gleaner
		<i>Oporornis agilis</i>	Insectivore: ground gleaner
		<i>Oporornis philadelphia</i>	Insectivore: lower canopy foliage gleaner
		<i>Oporornis tolmiei</i>	Insectivore: lower canopy foliage gleaner
		<i>Geothlypis trichas</i>	Insectivore: lower canopy foliage gleaner
		<i>Geothlypis beldingi</i>	Insectivore: lower canopy foliage gleaner
		<i>Geothlypis flavovelata</i>	Insectivore: lower canopy foliage gleaner
		<i>Geothlypis speciosa</i>	Insectivore: lower canopy foliage gleaner
		<i>Geothlypis nelsoni</i>	Insectivore: lower canopy foliage gleaner
		<i>Geothlypis poliocephala</i>	Insectivore: lower canopy foliage gleaner

Table S1. Continues

Order	Family	Species	Trophic guild
		<i>Wilsonia citrina</i>	Insectivore: lower canopy foliage gleaner
		<i>Wilsonia pusilla</i>	Insectivore: lower canopy foliage gleaner
		<i>Wilsonia canadensis</i>	Insectivore: lower canopy foliage gleaner
		<i>Cardellina rubrifrons</i>	Insectivore: lower canopy foliage gleaner
		<i>Ergaticus ruber</i>	Insectivore: lower canopy foliage gleaner
		<i>Ergaticus versicolor</i>	Insectivore: lower canopy foliage gleaner
		<i>Myioborus pictus</i>	Insectivore: lower canopy foliage gleaner
		<i>Myioborus miniatus</i>	Insectivore: upper canopy foliage gleaner
		<i>Euthlypis lachrymosa</i>	Insectivore: lower canopy foliage gleaner
		<i>Basileuterus culicivorus</i>	Insectivore: lower canopy foliage gleaner
		<i>Basileuterus rufifrons</i>	Insectivore: lower canopy foliage gleaner
		<i>Basileuterus belli</i>	Insectivore: lower canopy foliage gleaner
		<i>Icteria virens</i>	Insectivore: lower canopy foliage gleaner
		<i>Coereba flaveola</i>	Nectarivore
	Thraupidae	<i>Chlorospingus ophthalmicus</i>	Insectivore: lower canopy foliage gleaner
		<i>Rhodinocichla rosea</i>	Insectivore: ground gleaner
		<i>Eucometis penicillata</i>	Insectivore: lower canopy foliage gleaner
		<i>Lanio aurantius</i>	Insectivore: lower canopy foliage gleaner
		<i>Ramphocelus sanguinolentus</i>	Insectivore: lower canopy foliage gleaner
		<i>Ramphocelus passerinii</i>	Frugivore: upper-canopy gleaner
		<i>Thraupis episcopus</i>	Frugivore: upper-canopy gleaner
		<i>Thraupis abbas</i>	Frugivore: upper-canopy gleaner
		<i>Tangara cabanisi</i>	Frugivore: upper-canopy gleaner
		<i>Tangara larvata</i>	Frugivore: upper-canopy gleaner
		<i>Chlorophanes spiza</i>	Frugivore: upper-canopy gleaner
		<i>Cyanerpes lucidus</i>	Nectarivore
		<i>Cyanerpes cyaneus</i>	Nectarivore
	Emberizidae	<i>Volatinia jacarina</i>	Granivore: ground to undergrowth gleaner
		<i>Sporophila torqueola</i>	Granivore: ground to undergrowth gleaner
		<i>Sporophila minuta</i>	Granivore: ground to undergrowth gleaner
		<i>Oryzoborus funereus</i>	Granivore: ground to undergrowth gleaner
		<i>Tiaris olivaceus</i>	Granivore: ground to undergrowth gleaner
		<i>Haplospiza rustica</i>	Granivore: ground to undergrowth gleaner
		<i>Diglossa baritula</i>	Nectarivore
		<i>Sicalis luteola</i>	Granivore: ground to undergrowth gleaner
		<i>Arremon aurantirostris</i>	Granivore: ground to undergrowth gleaner
		<i>Arremon brunneinucha</i>	Granivore: ground to undergrowth gleaner
		<i>Arremon virenticeps</i>	Granivore: ground to undergrowth gleaner
		<i>Arremonops rufivirgatus</i>	Granivore: ground to undergrowth gleaner
		<i>Arremonops chloronotus</i>	Granivore: ground to undergrowth gleaner
		<i>Atlapetes albinucha</i>	Granivore: ground to undergrowth gleaner
		<i>Atlapetes pileatus</i>	Granivore: ground to undergrowth gleaner
		<i>Pipilo ocai</i>	Granivore: ground to undergrowth gleaner
		<i>Pipilo chlorurus</i>	Granivore: ground to undergrowth gleaner
		<i>Pipilo maculatus</i>	Granivore: ground to undergrowth gleaner
		<i>Pipilo erythrophthalmus</i>	Granivore: ground to undergrowth gleaner
		<i>Aimophila rufescens</i>	Granivore: ground to undergrowth gleaner
		<i>Aimophila ruficeps</i>	Granivore: ground to undergrowth gleaner
		<i>Aimophila notosticta</i>	Granivore: ground to undergrowth gleaner
		<i>Melozona leucotis</i>	Insectivore: ground gleaner
		<i>Melozona biarcuata</i>	Granivore: ground to undergrowth gleaner
		<i>Melozona kieneri</i>	Granivore: ground to undergrowth gleaner
		<i>Melozona fusca</i>	Granivore: ground to undergrowth gleaner
		<i>Melozona albicollis</i>	Granivore: ground to undergrowth gleaner
		<i>Melozona crissalis</i>	Granivore: ground to undergrowth gleaner
		<i>Melozona aberti</i>	Insectivore: ground gleaner
		<i>Peucaea sumichrasti</i>	Granivore: ground to undergrowth gleaner
		<i>Peucaea carpalis</i>	Granivore: ground to undergrowth gleaner

Table S1. Continues

Order	Family	Species	Trophic guild
		<i>Peucaea ruficauda</i>	Granivore: ground to undergrowth gleaner
		<i>Peucaea humeralis</i>	Granivore: ground to undergrowth gleaner
		<i>Peucaea mystacalis</i>	Granivore: ground to undergrowth gleaner
		<i>Peucaea botterii</i>	Insectivore: ground gleaner
		<i>Peucaea cassinii</i>	Granivore: ground to undergrowth gleaner
		<i>Peucaea aestivalis</i>	Granivore: ground to undergrowth gleaner
		<i>Oriturus superciliosus</i>	Granivore: ground to undergrowth gleaner
		<i>Spizella arborea</i>	Granivore: ground to undergrowth gleaner
		<i>Spizella passerina</i>	Granivore: ground to undergrowth gleaner
		<i>Spizella pallida</i>	Granivore: ground to undergrowth gleaner
		<i>Spizella breweri</i>	Granivore: ground to undergrowth gleaner
		<i>Spizella pusilla</i>	Granivore: ground to undergrowth gleaner
		<i>Spizella wortheni</i>	Granivore: ground to undergrowth gleaner
		<i>Spizella atrogularis</i>	Granivore: ground to undergrowth gleaner
		<i>Poocetes gramineus</i>	Granivore: ground to undergrowth gleaner
		<i>Chondestes grammacus</i>	Granivore: ground to undergrowth gleaner
		<i>Amphispiza quinquestriata</i>	Insectivore: ground gleaner
		<i>Amphispiza bilineata</i>	Insectivore: ground gleaner
		<i>Amphispiza belli</i>	Granivore: ground to undergrowth gleaner
		<i>Calamospiza melanocorys</i>	Insectivore: ground gleaner
		<i>Passerculus sandwichensis</i>	Granivore: ground to undergrowth gleaner
		<i>Ammodramus savannarum</i>	Insectivore: ground gleaner
		<i>Ammodramus bairdii</i>	Granivore: ground to undergrowth gleaner
		<i>Ammodramus henslowii</i>	Insectivore: ground gleaner
		<i>Ammodramus leconteii</i>	Granivore: ground to undergrowth gleaner
		<i>Ammodramus nelsoni</i>	Granivore: ground to undergrowth gleaner
		<i>Ammodramus caudacutus</i>	Insectivore: ground gleaner
		<i>Ammodramus maritimus</i>	Insectivore: ground gleaner
		<i>Xenospiza baileyi</i>	Granivore: ground to undergrowth gleaner
		<i>Passerella iliaca</i>	Granivore: ground to undergrowth gleaner
		<i>Melospiza melodia</i>	Granivore: ground to undergrowth gleaner
		<i>Melospiza lincolni</i>	Granivore: ground to undergrowth gleaner
		<i>Melospiza georgiana</i>	Insectivore: ground gleaner
		<i>Zonotrichia capensis</i>	Granivore: ground to undergrowth gleaner
		<i>Zonotrichia albicollis</i>	Granivore: ground to undergrowth gleaner
		<i>Zonotrichia querula</i>	Granivore: ground to undergrowth gleaner
		<i>Zonotrichia leucophrys</i>	Granivore: ground to undergrowth gleaner
		<i>Zonotrichia atricapilla</i>	Granivore: ground to undergrowth gleaner
		<i>Junco hyemalis</i>	Granivore: ground to undergrowth gleaner
		<i>Junco phaeonotus</i>	Granivore: ground to undergrowth gleaner
	Cardinalidae	<i>Piranga roseogularis</i>	Insectivore: upper canopy foliage gleaner
		<i>Piranga flava</i>	Insectivore: upper canopy foliage gleaner
		<i>Piranga rubra</i>	Insectivore: upper canopy foliage gleaner
		<i>Piranga olivacea</i>	Insectivore: upper canopy foliage gleaner
		<i>Piranga ludoviciana</i>	Insectivore: upper canopy foliage gleaner
		<i>Piranga bidentata</i>	Insectivore: upper canopy foliage gleaner
		<i>Piranga leucoptera</i>	Insectivore: upper canopy foliage gleaner
		<i>Piranga erythrocephala</i>	Insectivore: upper canopy foliage gleaner
		<i>Habia rubica</i>	Insectivore: lower canopy foliage gleaner
		<i>Habia fuscicauda</i>	Insectivore: lower canopy foliage gleaner
		<i>Caryothraustes poliogaster</i>	Insectivore: lower canopy foliage gleaner
		<i>Rhodothraupis celaeno</i>	Granivore: lower to upper canopy gleaner
		<i>Cardinalis cardinalis</i>	Granivore: ground to undergrowth gleaner
		<i>Cardinalis sinuatus</i>	Granivore: ground to undergrowth gleaner
		<i>Pheucticus chrysopleus</i>	Granivore: lower to upper canopy gleaner
		<i>Pheucticus ludovicianus</i>	Insectivore: upper canopy foliage gleaner
		<i>Pheucticus melanocephalus</i>	Insectivore: lower canopy foliage gleaner
		<i>Granatellus venustus</i>	Insectivore: lower canopy foliage gleaner

Table S1. Continues

Order	Family	Species	Trophic guild
		<i>Granatellus sallaei</i>	Insectivore: lower canopy foliage gleaner
		<i>Amaurospiza concolor</i>	Granivore: lower to upper canopy gleaner
		<i>Cyanocompsa cyanoides</i>	Granivore: ground to undergrowth gleaner
		<i>Cyanocompsa parellina</i>	Granivore: ground to undergrowth gleaner
		<i>Passerina caerulea</i>	Insectivore: ground gleaner
		<i>Passerina amoena</i>	Insectivore: ground gleaner
		<i>Passerina cyanea</i>	Granivore: ground to undergrowth gleaner
		<i>Passerina rositae</i>	Granivore: ground to undergrowth gleaner
		<i>Passerina leclancherii</i>	Granivore: ground to undergrowth gleaner
		<i>Passerina versicolor</i>	Granivore: ground to undergrowth gleaner
		<i>Passerina ciris</i>	Granivore: ground to undergrowth gleaner
		<i>Spiza americana</i>	Granivore: ground to undergrowth gleaner
		<i>Saltator coerulescens</i>	Frugivore: ground to lower canopy gleaner
		<i>Saltator maximus</i>	Frugivore: ground to lower canopy gleaner
		<i>Saltator atriceps</i>	Frugivore: ground to lower canopy gleaner
	Icteridae	<i>Dolichonyx oryzivorus</i>	Granivore: ground to undergrowth gleaner
		<i>Agelaius phoeniceus</i>	Insectivore: ground gleaner
		<i>Agelaius tricolor</i>	Insectivore: ground gleaner
		<i>Sturnella magna</i>	Insectivore: ground gleaner
		<i>Sturnella neglecta</i>	Insectivore: ground gleaner
		<i>Xanthocephalus xanthocephalus</i>	Granivore: ground to undergrowth gleaner
		<i>Dives dives</i>	Insectivore: ground gleaner
		<i>Euphagus carolinus</i>	Insectivore: ground gleaner
		<i>Euphagus cyanocephalus</i>	Insectivore: ground gleaner
		<i>Quiscalus quiscula</i>	Omnivore: ground forager
		<i>Quiscalus major</i>	Omnivore: ground forager
		<i>Quiscalus mexicanus</i>	Omnivore: ground forager
		<i>Quiscalus palustris</i>	Omnivore: ground forager
		<i>Molothrus aeneus</i>	Granivore: ground to undergrowth gleaner
		<i>Molothrus ater</i>	Granivore: ground to undergrowth gleaner
		<i>Molothrus oryzivorus</i>	Granivore: ground to undergrowth gleaner
		<i>Icterus wagleri</i>	Insectivore: lower canopy foliage gleaner
		<i>Icterus maculialatus</i>	Insectivore: lower canopy foliage gleaner
		<i>Icterus prosthemelas</i>	Insectivore: lower canopy foliage gleaner
		<i>Icterus spurius</i>	Insectivore: upper canopy foliage gleaner
	Fringillidae	<i>Icterus cucullatus</i>	Insectivore: upper canopy foliage gleaner
		<i>Icterus chrysater</i>	Insectivore: lower canopy foliage gleaner
		<i>Icterus mesomelas</i>	Insectivore: lower canopy foliage gleaner
		<i>Icterus pustulatus</i>	Insectivore: lower canopy foliage gleaner
		<i>Icterus bullockii</i>	Insectivore: lower canopy foliage gleaner
		<i>Icterus auratus</i>	Insectivore: lower canopy foliage gleaner
		<i>Icterus pectoralis</i>	Insectivore: upper canopy foliage gleaner
		<i>Icterus gularis</i>	Insectivore: upper canopy foliage gleaner
		<i>Icterus graduacauda</i>	Insectivore: upper canopy foliage gleaner
		<i>Icterus galbula</i>	Insectivore: upper canopy foliage gleaner
		<i>Icterus abeillei</i>	Insectivore: lower canopy foliage gleaner
		<i>Icterus parisorum</i>	Insectivore: upper canopy foliage gleaner
		<i>Amblycercus holosericeus</i>	Omnivore: arboreal forager
		<i>Cacicus melanicterus</i>	Omnivore: arboreal forager
		<i>Psarocolius wagleri</i>	Frugivore: upper-canopy gleaner
		<i>Psarocolius montezuma</i>	Frugivore: upper-canopy gleaner
		<i>Euphonia affinis</i>	Frugivore: ground to lower canopy gleaner
		<i>Euphonia hirundinacea</i>	Frugivore: ground to lower canopy gleaner
		<i>Euphonia elegantissima</i>	Frugivore: ground to lower canopy gleaner
		<i>Euphonia gouldi</i>	Frugivore: ground to lower canopy gleaner
		<i>Euphonia minuta</i>	Frugivore: ground to lower canopy gleaner
		<i>Chlorophonia occipitalis</i>	Frugivore: upper-canopy gleaner
		<i>Leucosticte tephrocotis</i>	Granivore: ground to undergrowth gleaner

Table S1. Continues

Order	Family	Species	Trophic guild
		<i>Leucosticte atrata</i>	Granivore: ground to undergrowth gleaner
		<i>Leucosticte australis</i>	Granivore: ground to undergrowth gleaner
		<i>Pinicola enucleator</i>	Granivore: ground to undergrowth gleaner
		<i>Carpodacus purpureus</i>	Granivore: lower to upper canopy gleaner
		<i>Carpodacus cassinii</i>	Granivore: ground to undergrowth gleaner
		<i>Carpodacus mexicanus</i>	Granivore: ground to undergrowth gleaner
		<i>Loxia curvirostra</i>	Granivore: lower to upper canopy gleaner
		<i>Loxia leucoptera</i>	Granivore: lower to upper canopy gleaner
		<i>Acanthis flammea</i>	Granivore: lower to upper canopy gleaner
		<i>Acanthis hornemanni</i>	Granivore: lower to upper canopy gleaner
		<i>Spinus pinus</i>	Granivore: lower to upper canopy gleaner
		<i>Spinus atriceps</i>	Granivore: lower to upper canopy gleaner
		<i>Spinus notatus</i>	Granivore: lower to upper canopy gleaner
		<i>Spinus psaltria</i>	Granivore: lower to upper canopy gleaner
		<i>Spinus lawrencei</i>	Granivore: ground to undergrowth gleaner
		<i>Spinus tristis</i>	Granivore: lower to upper canopy gleaner
		<i>Coccothraustes abeillei</i>	Granivore: ground to undergrowth gleaner
		<i>Coccothraustes vespertinus</i>	Granivore: ground to undergrowth gleaner

Table S2. Taxonomic list of mammals and their trophic guilds

Order	Family	Species	Trophic guild
Didelphimorphia	Didelphidae	<i>Marmosa mexicana</i>	Insectivore: arborea lforager
		<i>Tlacuatzin canescens</i>	Insectivore: arborea lforager
		<i>Metachirus nudicaudatus</i>	Omnivore-nocturnal
		<i>Philander opossum</i>	Omnivore-nocturnal
		<i>Chironectes minimus</i>	Carnivore: freshwater forager
		<i>Didelphis marsupialis</i>	Omnivore-nocturnal
		<i>Didelphis virginiana</i>	Omnivore-nocturnal
		<i>Caluromys derbianus</i>	Frugivore: arboreal forager-nocturnal
Cingulata	Dasypodidae	<i>Dasypus novemcinctus</i>	Insectivore: ground forager-nocturnal
	Dasypodidae	<i>Cabassous centralis</i>	Insectivore: ground forager-nocturnal
Pilosa	Cyclopedidae	<i>Cyclopes didactylus</i>	Insectivore: arborea lforager
Lagomorpha	Myrmecophagidae	<i>Tamandua mexicana</i>	Insectivore: arborea lforager
	Leporidae	<i>Lepus alleni</i>	Herbivore: ground forager-nocturnal
		<i>Lepus californicus</i>	Herbivore: ground forager-nocturnal
		<i>Lepus callotis</i>	Herbivore: ground forager-nocturnal
		<i>Lepus flavigularis</i>	Herbivore: ground forager-nocturnal
		<i>Lepus americanus</i>	Herbivore: ground forager-nocturnal
		<i>Lepus arcticus</i>	Herbivore: ground forager-nocturnal
		<i>Lepus othus</i>	Herbivore: ground forager-nocturnal
		<i>Lepus townsendii</i>	Herbivore: ground forager-nocturnal
		<i>Sylvilagus audubonii</i>	Herbivore: ground forager-nocturnal
		<i>Sylvilagus bachmani</i>	Herbivore: ground forager-nocturnal
		<i>Sylvilagus brasiliensis</i>	Herbivore: ground forager-nocturnal
		<i>Sylvilagus cunicularius</i>	Herbivore: ground forager-nocturnal
		<i>Sylvilagus floridanus</i>	Herbivore: ground forager-nocturnal
		<i>Sylvilagus insonus</i>	Herbivore: ground forager-nocturnal
		<i>Sylvilagus aquaticus</i>	Herbivore: ground forager-nocturnal
		<i>Sylvilagus nuttallii</i>	Herbivore: ground forager-diurnal
		<i>Sylvilagus obscurus</i>	Herbivore: ground forager-nocturnal
		<i>Sylvilagus palustris</i>	Herbivore: ground forager-nocturnal
		<i>Sylvilagus transitionalis</i>	Herbivore: ground forager-nocturnal
		<i>Sylvilagus robustus</i>	Herbivore: ground forager-nocturnal
		<i>Romerolagus diazi</i>	Herbivore: ground forager-nocturnal
		<i>Brachylagus idahoensis</i>	Herbivore: ground forager-nocturnal

Table S2. Continues

Order	Family	Species	Trophic guild
Rodentia	Ochotonidae	<i>Ochotona collaris</i>	Herbivore: ground forager-diurnal
		<i>Ochotona princeps</i>	Herbivore: ground forager-diurnal
	Aplodontidae	<i>Aplodontia rufa</i>	Herbivore: ground forager-nocturnal
	Sciuridae	<i>Sciurus aberti</i>	Herbivore: arboreal forager-diurnal
		<i>Sciurus alleni</i>	Herbivore: arboreal forager-diurnal
		<i>Sciurus arizonensis</i>	Herbivore: arboreal forager-diurnal
		<i>Sciurus aureogaster</i>	Herbivore: arboreal forager-diurnal
		<i>Sciurus coliaiei</i>	Herbivore: arboreal forager-diurnal
		<i>Sciurus carolinensis</i>	Granivore: arboreal forager-diurnal
		<i>Sciurus deppei</i>	Frugivore: arboreal forager-diurnal
		<i>Sciurus griseus</i>	Granivore: arboreal forager-diurnal
		<i>Sciurus nayaritensis</i>	Granivore: arboreal forager-diurnal
		<i>Sciurus niger</i>	Granivore: arboreal forager-diurnal
		<i>Sciurus oculatus</i>	Granivore: arboreal forager-diurnal
		<i>Sciurus variegatoides</i>	Frugivore: arboreal forager-diurnal
		<i>Sciurus yucatanensis</i>	Frugivore: arboreal forager-diurnal
		<i>Spermophilus adocetus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus annulatus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus atricapillus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus armatus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus beecheyi</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus beldingi</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus brunneus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus canus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus columbianus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus elegans</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus franklinii</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus lateralis</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus madrensis</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus mexicanus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus mohavensis</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus mollis</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus parryi</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus perotensis</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus richardsonii</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus saturatus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus spilosoma</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus tereticaudus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus townsendii</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus tridecemlineatus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus variegatus</i>	Herbivore: ground forager-diurnal
		<i>Spermophilus washingtoni</i>	Herbivore: ground forager-diurnal
		<i>Ammospermophilus harrisi</i>	Granivore: ground forager-diurnal
		<i>Ammospermophilus interpres</i>	Granivore: ground forager-diurnal
		<i>Ammospermophilus leucurus</i>	Omnivore-diurnal
		<i>Ammospermophilus nelsoni</i>	Insectivore ground forager-diurnal
		<i>Cynomys ludovicianus</i>	Herbivore: ground forager-diurnal
		<i>Cynomys mexicanus</i>	Herbivore: ground forager-diurnal
		<i>Cynomys gunnisoni</i>	Herbivore: ground forager-diurnal
		<i>Cynomys leucurus</i>	Herbivore: ground forager-diurnal
		<i>Cynomys parvidens</i>	Herbivore: ground forager-diurnal
		<i>Tamias alpinus</i>	Granivore: ground forager-diurnal
		<i>Tamias amoenus</i>	Granivore: ground forager-diurnal
		<i>Tamias bulleri</i>	Granivore: ground forager-diurnal
		<i>Tamias canipes</i>	Granivore: ground forager-diurnal
		<i>Tamias cinereicollis</i>	Granivore: ground forager-diurnal
		<i>Tamias dorsalis</i>	Granivore: ground forager-diurnal

Table S2. Continues

Order	Family	Species	Trophic guild
		<i>Tamias durangae</i>	Granivore: ground forager-diurnal
		<i>Tamias merriami</i>	Granivore: ground forager-diurnal
		<i>Tamias minimus</i>	Granivore: ground forager-diurnal
		<i>Tamias obscurus</i>	Granivore: ground forager-diurnal
		<i>Tamias ochrogenys</i>	Granivore: ground forager-diurnal
		<i>Tamias palmeri</i>	Granivore: ground forager-diurnal
		<i>Tamias panamintinus</i>	Granivore: ground forager-diurnal
		<i>Tamias quadrimaculatus</i>	Granivore: ground forager-diurnal
		<i>Tamias quadrivittatus</i>	Granivore: ground forager-diurnal
		<i>Tamias ruficaudus</i>	Granivore: ground forager-diurnal
		<i>Tamias rufus</i>	Granivore: ground forager-diurnal
		<i>Tamias senex</i>	Granivore: ground forager-diurnal
		<i>Tamias siskiyou</i>	Granivore: ground forager-diurnal
		<i>Tamias sonomae</i>	Granivore: arboreal forager-diurnal
		<i>Tamias speciosus</i>	Granivore: ground forager-diurnal
		<i>Tamias striatus</i>	Granivore: ground forager-diurnal
		<i>Tamias townsendii</i>	Frugivore: ground forager-diurnal
		<i>Tamias umbrinus</i>	Granivore: arboreal forager-diurnal
		<i>Tamiasciurus mearnsi</i>	Granivore: arboreal forager-diurnal
		<i>Tamiasciurus douglasii</i>	Granivore: arboreal forager-diurnal
		<i>Tamiasciurus hudsonicus</i>	Granivore: arboreal forager-diurnal
		<i>Glaucomys sabrinus</i>	Granivore: arboreal forager-nocturnal
		<i>Glaucomys volans</i>	Granivore: arboreal forager-nocturnal
		<i>Marmota broweri</i>	Herbivore: ground forager-diurnal
		<i>Marmota caligata</i>	Herbivore: ground forager-diurnal
		<i>Marmota flaviventris</i>	Herbivore: ground forager-diurnal
		<i>Marmota monax</i>	Herbivore: ground forager-diurnal
		<i>Marmota olympus</i>	Herbivore: ground forager-diurnal
		<i>Castor canadensis</i>	Herbivore: freshwater forager
	Castoridae	<i>Dipodomys agilis</i>	Granivore: ground forager-nocturnal
	Heteromyidae	<i>Dipodomys californicus</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys compactus</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys deserti</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys elator</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys elephantinus</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys gravipes</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys heermanni</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys ingens</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys merriami</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys microps</i>	Herbivore: ground forager-nocturnal
		<i>Dipodomys nelsoni</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys nitratoideus</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys ordii</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys panamintinus</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys phillipsii</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys simulans</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys spectabilis</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys stephensi</i>	Granivore: ground forager-nocturnal
		<i>Dipodomys venustus</i>	Granivore: ground forager-nocturnal
		<i>Heteromys desmarestianus</i>	Granivore: ground forager-nocturnal
		<i>Heteromys gauderi</i>	Granivore: ground forager-nocturnal
		<i>Heteromys nelsoni</i>	Granivore: ground forager-nocturnal
		<i>Liomys irroratus</i>	Granivore: ground forager-nocturnal
		<i>Liomys pictus</i>	Granivore: ground forager-nocturnal
		<i>Liomys salvini</i>	Granivore: ground forager-nocturnal
		<i>Liomys spectabilis</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus arenarius</i>	Granivore: ground forager-nocturnal

Table S2. Continues

Order	Family	Species	Trophic guild
		<i>Chaetodipus artus</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus baileyi</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus californicus</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus eremicus</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus fallax</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus formosus</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus goldmani</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus hispidus</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus intermedius</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus lineatus</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus nelsoni</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus penicillatus</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus pernix</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus rudinoris</i>	Granivore: ground forager-nocturnal
		<i>Chaetodipus spinatus</i>	Granivore: ground forager-nocturnal
		<i>Microdipodops megacephalus</i>	Granivore: ground forager-nocturnal
		<i>Microdipodops pallidus</i>	Granivore: ground forager-nocturnal
		<i>Perognathus alticola</i>	Granivore: ground forager-nocturnal
		<i>Perognathus amplus</i>	Granivore: ground forager-nocturnal
		<i>Perognathus fasciatus</i>	Granivore: ground forager-nocturnal
		<i>Perognathus flavescens</i>	Granivore: ground forager-nocturnal
		<i>Perognathus flavus</i>	Granivore: ground forager-nocturnal
		<i>Perognathus inornatus</i>	Granivore: ground forager-nocturnal
		<i>Perognathus longimembris</i>	Granivore: ground forager-nocturnal
		<i>Perognathus merriami</i>	Granivore: ground forager-nocturnal
		<i>Perognathus parvus</i>	Granivore: ground forager-nocturnal
	Geomyidae	<i>Cratogeomys castanops</i>	Herbivore fossorial
		<i>Cratogeomys fumosus</i>	Herbivore fossorial
		<i>Cratogeomys goldmani</i>	Herbivore fossorial
		<i>Cratogeomys gymnurus</i>	Herbivore fossorial
		<i>Cratogeomys merriami</i>	Herbivore fossorial
		<i>Cratogeomys neglectus</i>	Herbivore fossorial
		<i>Cratogeomys tylosinus</i>	Herbivore fossorial
		<i>Cratogeomys zinsleri</i>	Herbivore fossorial
		<i>Geomys arenarius</i>	Herbivore fossorial
		<i>Geomys attwateri</i>	Herbivore fossorial
		<i>Geomys breviceps</i>	Herbivore fossorial
		<i>Geomys bursarius</i>	Herbivore fossorial
		<i>Geomys knoxjonesi</i>	Herbivore fossorial
		<i>Geomys personatus</i>	Herbivore fossorial
		<i>Geomys pinetis</i>	Herbivore fossorial
		<i>Geomys texensis</i>	Herbivore fossorial
		<i>Geomys tropicalis</i>	Herbivore fossorial
		<i>Orthogeomys cuniculus</i>	Herbivore fossorial
		<i>Orthogeomys grandis</i>	Herbivore fossorial
		<i>Orthogeomys hispidus</i>	Herbivore fossorial
		<i>Orthogeomys lanius</i>	Herbivore fossorial
		<i>Pappogeomys bulleri</i>	Herbivore fossorial
		<i>Thomomys bottae</i>	Herbivore fossorial
		<i>Thomomys bulbivorus</i>	Herbivore fossorial
		<i>Thomomys clusius</i>	Herbivore fossorial
		<i>Thomomys idahoensis</i>	Herbivore fossorial
		<i>Thomomys mazama</i>	Herbivore fossorial
		<i>Thomomys monticola</i>	Herbivore fossorial
		<i>Thomomys talpoides</i>	Herbivore fossorial
		<i>Thomomys townsendii</i>	Herbivore fossorial
		<i>Thomomys umbrinus</i>	Herbivore fossorial

Table S2. Continues

Order	Family	Species	Trophic guild
		<i>Zygodomys trichopus</i>	Herbivore fossorial
	Dipodidae	<i>Napaeozapus insignis</i>	Granivore: ground forager-nocturnal
		<i>Zapus hudsonius</i>	Granivore: ground forager-nocturnal
		<i>Zapus princeps</i>	Granivore: ground forager-nocturnal
		<i>Zapus trinotatus</i>	Granivore: ground forager-nocturnal
	Cricetidae	<i>Arborimus albipes</i>	Herbivore: ground forager-nocturnal
		<i>Arborimus longicaudus</i>	Herbivore: arboreal forager-nocturnal
		<i>Arborimus pomo</i>	Herbivore: arboreal forager-nocturnal
		<i>Baiomys musculus</i>	Herbivore: ground forager-diurnal
		<i>Baiomys taylori</i>	Herbivore: ground forager-nocturnal
		<i>Clethrionomys californicus</i>	Herbivore: ground forager-nocturnal
		<i>Clethrionomys gapperi</i>	Herbivore: ground forager-nocturnal
		<i>Clethrionomys rutilus</i>	Herbivore: ground forager-nocturnal
		<i>Dicrostonyx groenlandicus</i>	Herbivore: ground forager-diurnal
		<i>Dicrostonyx hudsonius</i>	Herbivore: ground forager-diurnal
		<i>Dicrostonyx nelsoni</i>	Herbivore: ground forager-diurnal
		<i>Dicrostonyx richardsoni</i>	Herbivore: ground forager-diurnal
		<i>Habromys chinanteco</i>	Granivore: arboreal forager-nocturnal
		<i>Habromys delicatulus</i>	Granivore: arboreal forager-nocturnal
		<i>Habromys ixtlani</i>	Granivore: arboreal forager-nocturnal
		<i>Habromys lepturus</i>	Granivore: arboreal forager-nocturnal
		<i>Habromys lophurus</i>	Granivore: arboreal forager-nocturnal
		<i>Habromys simulatus</i>	Granivore: arboreal forager-nocturnal
		<i>Hodomys alleni</i>	Granivore: ground forager-nocturnal
		<i>Lemmys curtatus</i>	Herbivore: ground forager-diurnal
		<i>Lemmus trimucronatus</i>	Herbivore: ground forager-diurnal
		<i>Megadontomys cryophilus</i>	Granivore: ground forager-nocturnal
		<i>Megadontomys nelsoni</i>	Granivore: ground forager-nocturnal
		<i>Megadontomys thomasi</i>	Granivore: ground forager-nocturnal
		<i>Microtus californicus</i>	Herbivore: ground forager-diurnal
		<i>Microtus canicaudus</i>	Herbivore: ground forager-diurnal
		<i>Microtus chrotorrhinus</i>	Herbivore: ground forager-diurnal
		<i>Microtus guatemalensis</i>	Herbivore: ground forager-diurnal
		<i>Microtus longicaudus</i>	Herbivore: ground forager-diurnal
		<i>Microtus mexicanus</i>	Herbivore: ground forager-diurnal
		<i>Microtus miurus</i>	Herbivore: ground forager-diurnal
		<i>Microtus mogollonensis</i>	Herbivore: ground forager-diurnal
		<i>Microtus montanus</i>	Herbivore: ground forager-diurnal
		<i>Microtus oaxacensis</i>	Herbivore: ground forager-diurnal
		<i>Microtus ochrogaster</i>	Herbivore: ground forager-nocturnal
		<i>Microtus oeconomus</i>	Herbivore: ground forager-diurnal
		<i>Microtus oregoni</i>	Herbivore: ground forager-diurnal
		<i>Microtus pennsylvanicus</i>	Herbivore: ground forager-diurnal
		<i>Microtus pinetorum</i>	Herbivore: ground forager-diurnal
		<i>Microtus richardsoni</i>	Herbivore: ground forager-diurnal
		<i>Microtus townsendii</i>	Herbivore: ground forager-diurnal
		<i>Microtus quasiater</i>	Herbivore: ground forager-diurnal
		<i>Microtus umbrosus</i>	Herbivore: ground forager-diurnal
		<i>Microtus xanthognathus</i>	Herbivore: ground forager-diurnal
		<i>Neofiber alleni</i>	Herbivore: freshwater forager
		<i>Nelsonia goldmani</i>	Herbivore: ground forager-nocturnal
		<i>Nelsonia neotomodon</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma albigula</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma angustapalata</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma cinerea</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma devia</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma floridana</i>	Herbivore: ground forager-nocturnal

Table S2. Continues

<i>Order</i>	<i>Family</i>	<i>Species</i>	<i>Trophic guild</i>
		<i>Neotoma fuscipes</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma goldmani</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma lepida</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma leucodon</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma macrotis</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma magister</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma mexicana</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma micropus</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma nelsoni</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma palatina</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma phenax</i>	Herbivore: ground forager-nocturnal
		<i>Neotoma stephensi</i>	Herbivore: ground forager-nocturnal
		<i>Neotomodon alstoni</i>	Herbivore: ground forager-nocturnal
		<i>Nyctomys sumichrasti</i>	Frugivore: arboreal forager-nocturnal
		<i>Ochrotomys nuttalli</i>	Granivore: arboreal forager-nocturnal
		<i>Oligoryzomys fulvescens</i>	Granivore: ground forager-nocturnal
		<i>Ondatra zibethicus</i>	Herbivore: freshwater forager
		<i>Onychomys arenicola</i>	Insectivore: ground forager-nocturnal
		<i>Onychomys leucogaster</i>	Insectivore: ground forager-nocturnal
		<i>Onychomys torridus</i>	Insectivore: ground forager-nocturnal
		<i>Oryzomys alfaroi</i>	Granivore: ground forager-nocturnal
		<i>Oryzomys chapmani</i>	Granivore: ground forager-nocturnal
		<i>Oryzomys couesi</i>	Omnivore-nocturnal
		<i>Oryzomys melanotis</i>	Granivore: ground forager-nocturnal
		<i>Oryzomys palustris</i>	Omnivore-nocturnal
		<i>Oryzomys rhabdops</i>	Herbivore: ground forager-nocturnal
		<i>Oryzomys rostratus</i>	Herbivore: ground forager-nocturnal
		<i>Oryzomys saturator</i>	Granivore: ground forager-nocturnal
		<i>Osgoodomys banderanus</i>	Herbivore: arboreal forager-nocturnal
		<i>Otonyctomys hatti</i>	Granivore: ground forager-nocturnal
		<i>Otodylomys phyllotis</i>	Frugivore: arboreal forager-nocturnal
		<i>Peromyscus attwateri</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus aztecus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus beatae</i>	Insectivore: ground forager-nocturnal
		<i>Peromyscus boylii</i>	Insectivore: ground forager-nocturnal
		<i>Peromyscus bullatus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus californicus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus crinitus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus difficilis</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus eremicus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus eva</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus fraterculus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus furvus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus gossypinus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus gratus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus guatemalensis</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus gymnotis</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus hooperi</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus hylocetes</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus keeni</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus leucopus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus levipes</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus maniculatus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus megalops</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus mekisturus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus melanocarpus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus melanophrys</i>	Granivore: ground forager-nocturnal

Table S2. Continues

Order	Family	Species	Trophic guild
Carnivora		<i>Peromyscus melanotis</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus melanurus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus merriami</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus mexicanus</i>	Insectivore: ground forager-nocturnal
		<i>Peromyscus nasutus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus ochraventer</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus pectoralis</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus perfulvus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus polius</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus polionotus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus sagax</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus simulus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus spicilegus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus truei</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus winkelmanni</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus yucatanicus</i>	Granivore: ground forager-nocturnal
		<i>Peromyscus zarhynchus</i>	Granivore: ground forager-nocturnal
		<i>Phenacomys intermedius</i>	Herbivore: ground forager-nocturnal
		<i>Phenacomys ungava</i>	Herbivore: ground forager-nocturnal
		<i>Podomys floridanus</i>	Granivore: ground forager-nocturnal
		<i>Reithrodontomys bakeri</i>	Granivore: ground forager-nocturnal
		<i>Reithrodontomys burti</i>	Granivore: ground forager-nocturnal
		<i>Reithrodontomys chrysopsis</i>	Herbivore: arboreal forager-nocturnal
		<i>Reithrodontomys fulvescens</i>	Insectivore: arboreal forager
		<i>Reithrodontomys gracilis</i>	Granivore: ground forager-nocturnal
		<i>Reithrodontomys hirsutus</i>	Granivore: ground forager-nocturnal
		<i>Reithrodontomys humulis</i>	Granivore: ground forager-nocturnal
		<i>Reithrodontomys megalotis</i>	Granivore: ground forager-nocturnal
		<i>Reithrodontomys mexicanus</i>	Granivore: arboreal forager-nocturnal
		<i>Reithrodontomys microdon</i>	Herbivore: arboreal forager-nocturnal
		<i>Reithrodontomys montanus</i>	Granivore: ground forager-nocturnal
		<i>Reithrodontomys raviventris</i>	Herbivore: freshwater forager
		<i>Reithrodontomys sumichrasti</i>	Granivore: ground forager-nocturnal
		<i>Reithrodontomys tenuirostris</i>	Granivore: ground forager-nocturnal
		<i>Reithrodontomys zacatecae</i>	Granivore: ground forager-nocturnal
		<i>Rheomys mexicanus</i>	Carnivore: freshwater forager
		<i>Rheomys thomasi</i>	Carnivore: freshwater forager
		<i>Scotinomys teguina</i>	Insectivore: ground forager-diurnal
		<i>Sigmodon alleni</i>	Omnivore-diurnal
		<i>Sigmodon arizonae</i>	Granivore: ground forager-diurnal
		<i>Sigmodon fulviventer</i>	Herbivore: ground forager-nocturnal
		<i>Sigmodon hispidus</i>	Herbivore: ground forager-nocturnal
		<i>Sigmodon leucotis</i>	Herbivore: ground forager-nocturnal
		<i>Sigmodon mascotensis</i>	Granivore: ground forager-diurnal
		<i>Sigmodon ochrognathus</i>	Herbivore: ground forager-diurnal
		<i>Synaptomys borealis</i>	Herbivore: ground forager-diurnal
		<i>Synaptomys cooperi</i>	Herbivore: ground forager-diurnal
		<i>Tylomys bullaris</i>	Herbivore: arboreal forager-nocturnal
		<i>Tylomys nudicaudus</i>	Herbivore: arboreal forager-nocturnal
		<i>Tylomys tumbalensis</i>	Herbivore: arboreal forager-nocturnal
		<i>Xenomys nelsoni</i>	Herbivore: arboreal forager-nocturnal
	Erethizontidae	<i>Coendou mexicanus</i>	Frugivore: arboreal forager-nocturnal
		<i>Erethizon dorsatum</i>	Herbivore: ground forager-nocturnal
	Cuniculidae	<i>Cuniculus paca</i>	Herbivore: ground forager-nocturnal
	Dasyproctidae	<i>Dasyprocta mexicana</i>	Frugivore: ground forager-diurnal
		<i>Dasyprocta punctata</i>	Frugivore: ground forager-diurnal
	Felidae	<i>Puma yagouaroundi</i>	Carnivore: ground hunter-diurnal

Table S2. Continues

Order	Family	Species	Trophic guild
Soricomorpha	Canidae	<i>Leopardus pardalis</i>	Carnivore: ground hunter-diurnal
		<i>Leopardus wiedii</i>	Carnivore: ground hunter-nocturnal
		<i>Lynx rufus</i>	Carnivore: ground hunter-nocturnal
		<i>Lynx canadensis</i>	Carnivore: ground hunter-diurnal
		<i>Puma concolor</i>	Carnivore: ground hunter-nocturnal
		<i>Panthera onca</i>	Carnivore: ground hunter-nocturnal
		<i>Alopex lagopus</i>	Carnivore: ground hunter-nocturnal
		<i>Vulpes velox</i>	Carnivore: ground hunter-nocturnal
		<i>Vulpes vulpes</i>	Carnivore: ground hunter-nocturnal
		<i>Vulpes macrotis</i>	Carnivore: ground hunter-nocturnal
		<i>Urocyon cinereoargenteus</i>	Omnivore-nocturnal
		<i>Canis latrans</i>	Omnivore-nocturnal
		<i>Canis lupus</i>	Carnivore: ground hunter-nocturnal
		<i>Canis rufus</i>	Carnivore: ground hunter-nocturnal
	Ursidae	<i>Ursus americanus</i>	Omnivore-diurnal
		<i>Ursus arctos</i>	Omnivore-diurnal
	Mustelidae	<i>Ursus maritimus</i>	Carnivore: freshwater forager
		<i>Lontra canadensis</i>	Carnivore: freshwater forager
		<i>Lontra longicaudis</i>	Carnivore: freshwater forager
		<i>Eira barbara</i>	Omnivore-diurnal
		<i>Galictis vittata</i>	Carnivore: ground hunter-nocturnal
		<i>Mustela erminea</i>	Carnivore: ground hunter-nocturnal
		<i>Mustela frenata</i>	Carnivore: ground hunter-diurnal
		<i>Mustela nigripes</i>	Carnivore: ground hunter-nocturnal
		<i>Mustela nivalis</i>	Carnivore: ground hunter-diurnal
		<i>Mustela vison</i>	Carnivore: ground hunter-nocturnal
		<i>Taxidea taxus</i>	Carnivore: ground hunter-nocturnal
		<i>Martes americana</i>	Omnivore-diurnal
		<i>Martes pennanti</i>	Omnivore-diurnal
	Mephitidae	<i>Gulo gulo</i>	Carnivore: ground hunter-nocturnal
		<i>Conepatus leuconotus</i>	Insectivore: ground forager-nocturnal
		<i>Conepatus semistriatus</i>	Insectivore: ground forager-nocturnal
		<i>Mephitis mephitis</i>	Insectivore: ground forager-nocturnal
		<i>Mephitis macroura</i>	Insectivore: ground forager-nocturnal
		<i>Spilogale gracilis</i>	Insectivore: ground forager-nocturnal
		<i>Spilogale putorius</i>	Insectivore: ground forager-nocturnal
	Procyonidae	<i>Spilogale pygmaea</i>	Insectivore: ground forager-nocturnal
		<i>Potos flavus</i>	Frugivore: arboreal forager-nocturnal
		<i>Bassariscus astutus</i>	Omnivore-nocturnal
		<i>Bassariscus sumichrasti</i>	Frugivore: arboreal forager-nocturnal
		<i>Nasua narica</i>	Omnivore-diurnal
		<i>Procyon lotor</i>	Omnivore-nocturnal
		<i>Cryptotis alticola</i>	Insectivore ground forager-diurnal
	Soricidae	<i>Cryptotis goldmani</i>	Insectivore ground forager-diurnal
		<i>Cryptotis goodwini</i>	Insectivore ground forager-diurnal
		<i>Cryptotis griseoventris</i>	Insectivore ground forager-diurnal
		<i>Cryptotis magna</i>	Insectivore ground forager-diurnal
		<i>Cryptotis mayensis</i>	Insectivore ground forager-diurnal
		<i>Cryptotis merriami</i>	Insectivore ground forager-diurnal
		<i>Cryptotis mexicana</i>	Insectivore ground forager-diurnal
		<i>Cryptotis nelsoni</i>	Insectivore ground forager-diurnal
		<i>Cryptotis obscura</i>	Insectivore ground forager-diurnal
		<i>Cryptotis parva</i>	Insectivore ground forager-diurnal
		<i>Cryptotis peregrina</i>	Insectivore ground forager-diurnal
		<i>Cryptotis phillipsii</i>	Insectivore ground forager-diurnal
		<i>Megasorex gigas</i>	Insectivore ground forager-diurnal
		<i>Notiosorex crawfordi</i>	Insectivore ground forager-diurnal

Table S2. Continues

Order	Family	Species	Trophic guild
		<i>Notiosorex cockrumi</i>	Insectivore ground forager-diurnal
		<i>Notiosorex evotis</i>	Insectivore ground forager-diurnal
		<i>Notiosorex villai</i>	Insectivore ground forager-diurnal
		<i>Sorex arcticus</i>	Insectivore ground forager-diurnal
		<i>Sorex arizonae</i>	Insectivore ground forager-diurnal
		<i>Sorex emarginatus</i>	Insectivore ground forager-diurnal
		<i>Sorex macrodon</i>	Insectivore ground forager-diurnal
		<i>Sorex merriami</i>	Insectivore ground forager-diurnal
		<i>Sorex milleri</i>	Insectivore ground forager-diurnal
		<i>Sorex monticolus</i>	Insectivore ground forager-diurnal
		<i>Sorex oreopolus</i>	Insectivore ground forager-diurnal
		<i>Sorex ornatus</i>	Insectivore ground forager-diurnal
		<i>Sorex saussurei</i>	Insectivore ground forager-diurnal
		<i>Sorex sclateri</i>	Insectivore ground forager-diurnal
		<i>Sorex stizodon</i>	Insectivore ground forager-diurnal
		<i>Sorex ventralis</i>	Insectivore ground forager-diurnal
		<i>Sorex veraepacis</i>	Insectivore ground forager-diurnal
		<i>Sorex bairdii</i>	Insectivore ground forager-diurnal
		<i>Sorex bendirii</i>	Insectivore ground forager-diurnal
		<i>Sorex cinereus</i>	Insectivore ground forager-diurnal
		<i>Sorex dispar</i>	Insectivore ground forager-diurnal
		<i>Sorex fumeus</i>	Insectivore ground forager-diurnal
		<i>Sorex gaspensis</i>	Insectivore ground forager-diurnal
		<i>Sorex haydeni</i>	Insectivore ground forager-diurnal
		<i>Sorex hoyi</i>	Insectivore ground forager-diurnal
		<i>Sorex longirostris</i>	Insectivore ground forager-diurnal
		<i>Sorex lyelli</i>	Insectivore ground forager-diurnal
		<i>Sorex nanus</i>	Insectivore ground forager-diurnal
		<i>Sorex neomexicanus</i>	Insectivore ground forager-diurnal
		<i>Sorex pacificus</i>	Insectivore ground forager-diurnal
		<i>Sorex palustris</i>	Insectivore ground forager-diurnal
		<i>Sorex preblei</i>	Insectivore ground forager-diurnal
		<i>Sorex sonomae</i>	Insectivore ground forager-diurnal
		<i>Sorex tenellus</i>	Insectivore ground forager-diurnal
		<i>Sorex trowbridgii</i>	Insectivore ground forager-diurnal
		<i>Sorex tundrensis</i>	Insectivore ground forager-diurnal
		<i>Sorex ugyunak</i>	Insectivore ground forager-diurnal
		<i>Sorex vagrans</i>	Insectivore ground forager-diurnal
		<i>Blarina brevicauda</i>	Insectivore fossorial
		<i>Blarina carolinensis</i>	Insectivore fossorial
		<i>Blarina hylophaga</i>	Insectivore fossorial
	Talpidae	<i>Neurotrichus gibbsii</i>	Insectivore fossorial
		<i>Scalopus aquaticus</i>	Insectivore fossorial
		<i>Scapanus latimanus</i>	Insectivore fossorial
		<i>Scapanus orarius</i>	Insectivore fossorial
		<i>Scapanus townsendii</i>	Insectivore fossorial
		<i>Parascalops breweri</i>	Insectivore fossorial
		<i>Condylura cristata</i>	Carnivore: freshwater forager
	Chiroptera	<i>Rhynchonycteris naso</i>	Insectivore: aerial hawker-nocturnal
		<i>Centronycteris centralis</i>	Insectivore: aerial hawker-nocturnal
		<i>Balantiopteryx io</i>	Insectivore: aerial hawker-nocturnal
		<i>Balantiopteryx plicata</i>	Insectivore: aerial hawker-nocturnal
		<i>Saccopteryx bilineata</i>	Insectivore: aerial hawker-nocturnal
		<i>Saccopteryx leptura</i>	Insectivore: aerial hawker-nocturnal
		<i>Peropteryx kappleri</i>	Insectivore: aerial hawker-nocturnal
		<i>Peropteryx macrotis</i>	Insectivore: aerial hawker-nocturnal
		<i>Diclidurus albus</i>	Insectivore: aerial hawker-nocturnal

Table S2. Continues

Order	Family	Species	Trophic guild
	Noctilionidae	<i>Noctilio albiventris</i>	Insectivore: aerial hawker-nocturnal
		<i>Noctilio leporinus</i>	Carnivore: freshwater forager
	Mormoopidae	<i>Pteronotus davyi</i>	Insectivore: aerial hawker-nocturnal
		<i>Pteronotus gymnonotus</i>	Insectivore: aerial hawker-nocturnal
		<i>Pteronotus parnellii</i>	Insectivore: aerial hawker-nocturnal
		<i>Pteronotus personatus</i>	Insectivore: aerial hawker-nocturnal
		<i>Mormoops megalophylla</i>	Insectivore: aerial hawker-nocturnal
	Phyllostomidae	<i>Macrotus californicus</i>	Insectivore substrate forager-nocturnal
		<i>Macrotus waterhousii</i>	Insectivore substrate forager-nocturnal
		<i>Micronycteris microtis</i>	Insectivore substrate forager-nocturnal
		<i>Micronycteris schmidtorum</i>	Insectivore substrate forager-nocturnal
		<i>Lampronnycteris brachyotis</i>	Insectivore substrate forager-nocturnal
		<i>Diphylla ecaudata</i>	Sanguinivore
		<i>Desmodus rotundus</i>	Sanguinivore
		<i>Diaemus youngi</i>	Sanguinivore
		<i>Lonchorhina aurita</i>	Insectivore: aerial hawker-nocturnal
		<i>Macrophyllum macrophyllum</i>	Insectivore: aerial hawker-nocturnal
		<i>Trachops cirrhosus</i>	Carnivore: ground hunter-nocturnal
		<i>Lophostoma brasiliense</i>	Insectivore substrate forager-nocturnal
		<i>Lophostoma evotis</i>	Insectivore substrate forager-nocturnal
		<i>Tonatia saurophila</i>	Insectivore substrate forager-nocturnal
		<i>Mimon cozumelae</i>	Insectivore substrate forager-nocturnal
		<i>Mimon crenulatum</i>	Insectivore substrate forager-nocturnal
		<i>Phylloderma stenops</i>	Insectivore substrate forager-nocturnal
		<i>Phyllostomus discolor</i>	Nectarivore-nocturnal
		<i>Chrotopterus auritus</i>	Carnivore: ground hunter-nocturnal
		<i>Vampyrus spectrum</i>	Carnivore: ground hunter-nocturnal
		<i>Glossophaga commissarisi</i>	Nectarivore-nocturnal
		<i>Glossophaga leachii</i>	Nectarivore-nocturnal
		<i>Glossophaga morenoi</i>	Nectarivore-nocturnal
		<i>Glossophaga soricina</i>	Nectarivore-nocturnal
		<i>Leptonycteris curasoae</i>	Nectarivore-nocturnal
		<i>Leptonycteris nivalis</i>	Nectarivore-nocturnal
		<i>Anoura geoffroyi</i>	Insectivore substrate forager-nocturnal
		<i>Hylonycteris underwoodi</i>	Nectarivore-nocturnal
		<i>Choeroniscus godmani</i>	Nectarivore-nocturnal
		<i>Choeronycteris mexicana</i>	Nectarivore-nocturnal
		<i>Musonycteris harrisoni</i>	Nectarivore-nocturnal
		<i>Lichonycteris obscura</i>	Nectarivore-nocturnal
		<i>Carollia perspicillata</i>	Frugivore: arboreal forager-nocturnal
		<i>Carollia sowelli</i>	Frugivore: arboreal forager-nocturnal
		<i>Carollia subrufa</i>	Frugivore: arboreal forager-nocturnal
		<i>Glyphonnycteris sylvestris</i>	Insectivore substrate forager-nocturnal
		<i>Sturnira lilium</i>	Frugivore: arboreal forager-nocturnal
		<i>Sturnira ludovici</i>	Frugivore: arboreal forager-nocturnal
		<i>Chiroderma salvini</i>	Frugivore: arboreal forager-nocturnal
		<i>Chiroderma villosum</i>	Frugivore: arboreal forager-nocturnal
		<i>Uroderma bilobatum</i>	Frugivore: arboreal forager-nocturnal
		<i>Uroderma magnirostrum</i>	Frugivore: arboreal forager-nocturnal
		<i>Vampyrodes caraccioli</i>	Frugivore: arboreal forager-nocturnal
		<i>Vampyressa thuyone</i>	Frugivore: arboreal forager-nocturnal
		<i>Platyrrhinus helleri</i>	Frugivore: arboreal forager-nocturnal
		<i>Enchisthenes hartii</i>	Frugivore: arboreal forager-nocturnal
		<i>Artibeus hirsutus</i>	Frugivore: arboreal forager-nocturnal
		<i>Artibeus intermedius</i>	Frugivore: arboreal forager-nocturnal
		<i>Artibeus jamaicensis</i>	Frugivore: arboreal forager-nocturnal
		<i>Artibeus lituratus</i>	Frugivore: arboreal forager-nocturnal

Table S2. Continues

Order	Family	Species	Trophic guild
		<i>Dermanura azteca</i>	Frugivore: arboreal forager-nocturnal
		<i>Dermanura phaeotis</i>	Frugivore: arboreal forager-nocturnal
		<i>Dermanura tolteca</i>	Frugivore: arboreal forager-nocturnal
		<i>Dermanura watsoni</i>	Frugivore: arboreal forager-nocturnal
		<i>Centurio senex</i>	Frugivore: arboreal forager-nocturnal
	Molossidae	<i>Cynomops mexicanus</i>	Insectivore: aerial hawker-nocturnal
		<i>Eumops auripendulus</i>	Insectivore: aerial hawker-nocturnal
		<i>Eumops bonariensis</i>	Insectivore: aerial hawker-nocturnal
		<i>Eumops glaucinus</i>	Insectivore: aerial hawker-nocturnal
		<i>Eumops hansae</i>	Insectivore: aerial hawker-nocturnal
		<i>Eumops perotis</i>	Insectivore: aerial hawker-nocturnal
		<i>Eumops underwoodi</i>	Insectivore: aerial hawker-nocturnal
		<i>Molossus aztecus</i>	Insectivore: aerial hawker-nocturnal
		<i>Molossus coibensis</i>	Insectivore: aerial hawker-nocturnal
		<i>Molossus molossus</i>	Insectivore: aerial hawker-nocturnal
		<i>Molossus rufus</i>	Insectivore: aerial hawker-nocturnal
		<i>Molossus sinaloae</i>	Insectivore: aerial hawker-nocturnal
		<i>Nyctinomops aurispinosus</i>	Insectivore: aerial hawker-nocturnal
		<i>Nyctinomops femorosaccus</i>	Insectivore: aerial hawker-nocturnal
		<i>Nyctinomops laticaudatus</i>	Insectivore: aerial hawker-nocturnal
		<i>Nyctinomops macrotis</i>	Insectivore: aerial hawker-nocturnal
		<i>Promops centralis</i>	Insectivore: aerial hawker-nocturnal
		<i>Tadarida brasiliensis</i>	Insectivore: aerial hawker-nocturnal
	Vespertilionidae	<i>Corynorhinus mexicanus</i>	Insectivore: aerial hawker-nocturnal
		<i>Corynorhinus rafinesquii</i>	Insectivore: aerial hawker-nocturnal
		<i>Corynorhinus townsendii</i>	Insectivore: aerial hawker-nocturnal
		<i>Eptesicus brasiliensis</i>	Insectivore: aerial hawker-nocturnal
		<i>Eptesicus furalis</i>	Insectivore: aerial hawker-nocturnal
		<i>Eptesicus fuscus</i>	Insectivore: aerial hawker-nocturnal
		<i>Euderma maculatum</i>	Insectivore: aerial hawker-nocturnal
		<i>Idionycteris phyllotis</i>	Insectivore substrate forager-nocturnal
		<i>Lasionycteris noctivagans</i>	Insectivore: aerial hawker-nocturnal
		<i>Lasiurus blossevillii</i>	Insectivore: aerial hawker-nocturnal
		<i>Lasiurus borealis</i>	Insectivore: aerial hawker-nocturnal
		<i>Lasiurus cinereus</i>	Insectivore: aerial hawker-nocturnal
		<i>Lasiurus ega</i>	Insectivore: aerial hawker-nocturnal
		<i>Lasiurus intermedius</i>	Insectivore: aerial hawker-nocturnal
		<i>Lasiurus xanthinus</i>	Insectivore: aerial hawker-nocturnal
		<i>Lasiurus seminolus</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis albescens</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis auriculus</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis austroriparius</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis californicus</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis carteri</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis ciliolabrum</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis elegans</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis evotis</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis grisescens</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis keenii</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis leibii</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis lucifugus</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis septentrionalis</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis fortidens</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis sodalis</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis keaysi</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis nigricans</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis occultus</i>	Insectivore: aerial hawker-nocturnal

Table S2. Continues

Order	Family	Species	Trophic guild
Primates	Thyropteridae Natalidae Atelidae	<i>Myotis peninsularis</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis planiceps</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis thysanodes</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis velifer</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis vivesi</i>	Carnivore: freshwater forager
		<i>Myotis volans</i>	Insectivore: aerial hawker-nocturnal
		<i>Myotis yumanensis</i>	Insectivore: aerial hawker-nocturnal
		<i>Nycticeius humeralis</i>	Insectivore: aerial hawker-nocturnal
		<i>Parastrellus hesperus</i>	Insectivore: aerial hawker-nocturnal
		<i>Perimyotis subflavus</i>	Insectivore: aerial hawker-nocturnal
		<i>Rhogeessa aeneus</i>	Insectivore: aerial hawker-nocturnal
		<i>Baeodon alleni</i>	Insectivore: aerial hawker-nocturnal
		<i>Rhogeessa genowaysi</i>	Insectivore: aerial hawker-nocturnal
		<i>Rhogeessa gracilis</i>	Insectivore: aerial hawker-nocturnal
		<i>Rhogeessa mira</i>	Insectivore: aerial hawker-nocturnal
		<i>Rhogeessa parvula</i>	Insectivore: aerial hawker-nocturnal
		<i>Rhogeessa tumida</i>	Insectivore: aerial hawker-nocturnal
		<i>Antrozous pallidus</i>	Insectivore substrate forager-nocturnal
		<i>Bauerus dubiaquercus</i>	Insectivore substrate forager-nocturnal
		<i>Thyroptera tricolor</i>	Insectivore: aerial hawker-nocturnal
		<i>Natalus stramineus</i>	Insectivore: aerial hawker-nocturnal
		<i>Alouatta palliata</i>	Frugivore: arboreal forager-diurnal
		<i>Alouatta pigra</i>	Frugivore: arboreal forager-diurnal
		<i>Ateles geoffroyi</i>	Frugivore: arboreal forager-diurnal
Artiodactyla	Tayassuidae	<i>Pecari tajacu</i>	Herbivore: ground forager-diurnal
		<i>Tayassu pecari</i>	Herbivore: ground forager-diurnal
		<i>Antilocapra americana</i>	Grazer
	Cervidae	<i>Odocoileus hemionus</i>	Grazer
		<i>Odocoileus virginianus</i>	Grazer
		<i>Mazama americana</i>	Grazer
	Ovidae	<i>Mazama pandora</i>	Grazer
		<i>Cervus elaphus</i>	Grazer
		<i>Alces alces</i>	Grazer
		<i>Rangifer tarandus</i>	Grazer
		<i>Oreamnos americanus</i>	Grazer
		<i>Ovibos moschatus</i>	Grazer
		<i>Ovis canadensis</i>	Grazer
		<i>Ovis dalli</i>	Grazer
		<i>Bison bison</i>	Grazer
Perissodactyla	Tapiridae	<i>Tapirus bairdii</i>	Herbivore: ground forager-nocturnal

Appendix 1. References used to obtain ecological information for both groups.

- For birds*
- Arriaga-Weiss, S. L., S. Calmé and C. Kampichler. 2008. Bird communities in rainforest fragments: guild responses to habitat variables in Tabasco, Mexico. *Biodiversity and Conservation* 17:173-190.
- Ayala-Islas, D. E. 2008. Ficha técnica de *Nyctiphrynus mcleodii*. In *Fichas sobre las especies de aves incluidas en el Proyecto de Norma Oficial Mexicana PROY-NOM-ECOL-2000*. Parte 2, P. Escalante-Pliego (compilador). Instituto de Biología, Universidad Nacional Autónoma de México. Bases de datos SNIB-Conabio. Proyecto Núm. W042. México, D. F.
- Beltzer, H. A., M. Quiroga and S. L. Comini. 2004. Feeding ecology of the Grayish Saltator *Saltator coerulescens* (Aves: Emberizidae) in the Parana river floodplain (Argentina). *Orsis* 19:91-99.
- Bent, A. C. 1932. Life histories of North American gallinaceous birds. U. S. National Museum Bulletin 162. Dover Publications. New York. 490 p.
- Bent, A. C. 1942. Life histories of North American flycatchers, larks, swallows, and their allies. U. S. National Museum Bulletin 179. Dover Publications. New York. 559 p.
- Bent, A. C. 1965. Life histories of North American wagtails, shrikes, vireos, and their allies. U. S. National Museum Bulletin 197. Dover Publ. New York. 411 p.

- Bó, M. S., A. V. Baladrón and L. M. Biondi. 2007. Ecología trófica de falconiformes y strigiformes: Tiempo de síntesis. *Hornero* 22:97-115.
- Castaño, V. G. J. 1998. Inventario preliminar de aves y mamíferos presentes en fragmentos boscosos en el medio San Jorge, departamento de Córdoba. *Crónica Forestal y del Medio Ambiente* 13:1-9.
- Curiel-Cante, D., E. Díaz-Islas and P. Escalante-Piiego. 2008. Ficha técnica de *Geotrygon carrikeri*. In Fichas sobre las especies de aves incluidas en el Proyecto de Norma Oficial Mexicana PROY-NOM-ECOL-2000. Parte 2, P. Escalante-Piiego (compilador). Instituto de Biología, Universidad Nacional Autónoma de México. Bases de datos SNIB-Conabio. Proyecto Núm. W042. México, D. F.
- De Magalhães, A. C. 1990. Hábitos alimentares e estratégia de forrageamento de *Rostrhamus sociabilis* no Pantanal de mato Grosso, Brasil. *Ararajuba* 1:95-98.
- Ehrlich, P., D. Dobki and D. Wheye. 1988. The Birder's handbook. Simon and Schuster, New York. 785 p.
- Erard, Ch., M. Thery and D. Sabatier. 1999. Régime alimentaire de *Tinamus major* (Tinamidae), *Crax alector* (Cracidae) et *Psophia crepitans* (Psophiidae), en forêt Guyanaise. *Gibier Faune Sauvage* 8:183-210.
- Gómez-de Silva, H., A. Oliveras-de Ita and R. A. Medellín. 2005. *Amazona viridigenalis*. Vertebrados superiores exóticos en México: diversidad, distribución y efectos potenciales. Instituto de Ecología, Universidad Nacional Autónoma de México. Bases de datos SNIB-Conabio. Proyecto U020. México, D. F.
- Hutto, L. R. 1980. Winter habitat distribution of migratory land birds in western Mexico, with special reference to small foliage-gleaning insectivores. In *Migrant birds in the neotropics: ecology, behavior, distribution and conservation*, A. Keast and E. S. Morton (eds.). Smithsonian Institution Press, Washington, D. C. 576 p.
- Kaufman, K. 1996. *Lives of North American birds*. Houghton Mifflin Company. Boston. 675 p.
- Kenneth, D., S. Meyer, M. McGehee and M. Collopy. 2004. Food deliveries at swallow-tailed kite nests in southern Florida. *The Condor* 106:171-176.
- Kissling, W. D., K. Böhning-Gaese and W. Jetz. 2009. The global distribution of frugivory in birds. *Global Ecology and Biogeography* 18:50-162.
- Levey, J. D. 1988. Spatial and temporal variation in costarican fruit and fruit-eating bird abundance. *Ecological Monographs* 58:251-269.
- Martínez-Morales, M. A. 2008. Ficha técnica de *Glaucidium sanchezi*. In Fichas sobre las especies de aves incluidas en el Proyecto de Norma Oficial Mexicana PROY-NOM-ECOL-2000. Parte 2, P. Escalante-Piiego (compilador). Instituto de Biología, Universidad Nacional Autónoma de México. Bases de datos SNIB-Conabio. Proyecto Núm. W042. México, D. F.
- Márquez, C., M. Bechard, F. Gast and V. H. Vanegas. 2005. Aves rapaces diurnas de Colombia. Instituto de Investigación de Recursos Biológicos "Alexander von Humboldt". Bogotá, D. C. Colombia. 394 p.
- Morgenthaler, A. 2003. Ecology of the black catbird, *Melanoptila glabrirostris*, at Shipstern Nature Reserve (Belize), and distribution in Yucatán. University of Neuchâtel, Switzerland Institute of Zoology. 94 p.
- Noguera, F. A., J. H. Vega-Rivera, A. N. García-Aldrete and M. Quesada-Avendaño. 2002. Historia natural de Chamela. Instituto de Biología, Universidad Nacional Autónoma de México, México, D. F. 568 p.
- Oleyar, M. D., C. D. Marti and M. Mika. 2003. Vertebrate prey in the diet of flammulated owls in Northern Utah. *Journal of Raptor Research* 37:244-246.
- Pereira, I. A. and G. Barrantes. 2009. Distribución y densidad de la avifauna de la península de Osa, Costa Rica (1990-1991). *Revista de Biología Tropical* 57:323-332.
- Ramírez-Albores, J. E. 2010. Diversidad de aves de hábitats naturales y modificados en un paisaje de la depresión central de Chiapas, México. *Revista de Biología Tropical* 58:511-528.
- Ramírez-Albores, E. J. and M. G. Ramírez-Cedillo. 2002. Avifauna de la región oriente de la sierra de Huautla, Morelos, México. *Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Serie Zoología* 73:91-111.
- Ramírez-Albores, E. J. 2006. Variación en la composición de comunidades de aves en la Reserva de la Biosfera Montes Azules y áreas adyacentes, Chiapas, México. *Biota Neotropica* 6:1-19.
- Ridgely, S. R. and G. Tudor. 1994. *The birds of South America*. Vol. I. University of Texas Press, Austin. 516 p.
- Ridgely, S. R. and G. Tudor. 1994. *The birds of South America*. Vol. II. University of Texas Press, Austin. 814 p.
- Rivera-Gutiérrez, H. F. 2006. Composición y estructura de una comunidad de aves en un área suburbana en el suroccidente colombiano. *Ornitología Colombiana* 4:28-38.
- Rodríguez, B. F. J., N. A. Navarrete-Salgado, E. Trujillo-Pérez and G. Contreras-Rivero. 2007. Contribución al estudio avifaunístico del área de estanques rurales en Soyaniquilpan de Juárez, Estado de México. *Revista de Zoología* 18:27-35.
- Seamans, E. M. and R. J. Gutiérrez. 1999. Diet composition and reproductive success of Mexican spotted owls. *Journal of Raptor Research* 33:143-148.
- Semarnat (Secretaría de Medio Ambiente y Recursos Naturales). 2010. Plan de manejo tipo para codornices. Dirección General de Vida Silvestre. México. D. F. 43 p.
- Wallace, R. T. Jr., M. M. Dias, S. M. Jr. De Azevedo, R. M. De Lyra-Neves and M. E. De Larrazábal. 2005. Estructura trófica da avifauna na Reserva Estadual de Gurjaú, zona de Mata Sul, Pernambuco. Brasil. *Revista Brasileira de Zoologia* 22:962-973.
- Wetmore, A. 1972. *The birds of the Republic of Panamá*. Part 4. Smithsonian miscellaneous collections. 631 p.
- Wetmore, A., R. F. Pasquier and S. L. Olson. 1984. *The birds of the Republic of Panamá*. Part 3. Smithsonian miscellaneous collections. 670 p.
- Wiggins, D. 2004. American three-toed woodpecker (*Picoides dorsalis*): a technical conservation assessment. USDA Forest

- Service, Rocky Mountain Region. Available: <http://www.fs.fed.us/r2/projects/scp/assessments/americanthroatedwoodpecker.pdf>; última consulta: 08.VI.2010.
- Zeballos, H., L. Villegas, R. Gutiérrez, K. Caballero and P. Jiménez. 2000. Vertebrados de las lomas de Atiquipa y Mejía, sur del Perú. *Revista de Ecología Latinoamericana* 7:11-18.
- Online resources:
<http://www.env.gov.bc.ca/wld/frpa/iwms/accounts.html#top>
<http://www.allaboutbirds.org/guide/search.aspx>
http://darnis.inbio.ac.cr/ubis/FMPro?-DB=Gruposand-lay=W_SubGrupoand-error=norec.html&land-Format=comun.html&and-Max=30and-SortField=subgrupoand-Op=eqandgrupo_id=9and-Find
<http://bna.birds.cornell.edu/bna>
<http://neotropical.birds.cornell.edu/portal/home>
<http://animaldiversity.ummz.umich.edu/site/index.html>
- For mammals*
- Álvarez-Castañeda, S. T. and N. González-Ruiz. 2009. *Peromyscus levipes* (Rodentia: Cricetidae). *Mammalian Species* 824:1-6.
- Álvarez-Romero, J. and R. A. Medellín. 2005. *Ammospermophilus leucurus*. Vertebrados superiores exóticos en México: diversidad, distribución y efectos potenciales. Instituto de Ecología, Universidad Nacional Autónoma de México. Bases de datos SNIB-Conabio. Proyecto U020. México, D. F.
- Aranda, M., N. López-Rivera and L. López-De Buen. 1995. Hábitos alimentarios del coyote (*Canis latrans*) en la sierra del Ajusco, México. *Acta Zoológica Mexicana* 65:89-99.
- Arita, H. T. and G. Rodríguez. 2004. Patrones geográficos de diversidad de los mamíferos terrestres de América del Norte. Instituto de Ecología, Universidad Nacional Autónoma de México. Base de datos SNIB-Conabio proyecto Q068. México, D. F.
- Caballero-Martínez, L. A., I. V. Rivas-Manzano and L. I. Aguilera-Gómez. 2009. Hábitos alimentarios de *Anoura geoffroyi* (Chiroptera: Phyllostomidae) en Ixtapa del Oro, Estado de México. *Acta Zoológica Mexicana* 25:161-175.
- Ceballos, G. 1990. Comparative natural history of small mammals from tropical forests in Western México. *Journal of Mammalogy* 71:263-266.
- Ceballos, G. and G. Oliva. 2005. Los mamíferos silvestres de México. Conabio-Universidad Nacional Autónoma de México-Fondo de Cultura Económica, México, D. F. 986 p.
- Cudworth, N. L. and J. L. Koprowski. 2010. *Microtus californicus* (Rodentia: Cricetidae). *Mammalian Species* 42:230-243.
- Dragoo, W. J. and S. R. Sheffield. 2009. *Conepatus leuconotus* (Carnivora: Mephitidae). *Mammalian Species* 827:1-8.
- Feeman, W. P. 1981. Correspondence of food habits and morphology in insectivorous bats. *Journal of Mammalogy* 62:164-173.
- Feldhamer, A. G., L. C. Drickamer, S. H. Vessey and J. F. Merritt. 1999. *Mammalogy: adaptation, diversity, and ecology*. McGraw-Hill. Boston. 563 p.
- Fernández, J. A., F. García-Campusano and M. Hafner. 2010. *Peromyscus difficilis* (Rodentia: Cricetidae). *Mammalian Species* 42:220-229.
- Fleming, T. H., E. T. Hooper and D. E. Wilson. 1972. Three Central American bat communities: structure, reproductive cycles, and movement patterns. *Ecology* 53:555-569.
- Galindo-González, J. 1998. Dispersión de semillas por murciélagos: su importancia en la conservación y regeneración del bosque tropical. *Acta Zoológica Mexicana (nueva serie)* 73:57-74.
- Genoways, H. H. and J. H. Brown. 1993. Biology of the Heteromyidae. The American Society of Mammalogists. Harvard University. 742 p.
- González-Ruiz, N., S. T. Álvarez-Castañeda and T. Álvarez. 2005. Distribution, taxonomy, and conservation status of the perote mouse *Peromyscus bullatus* (Rodentia: Muridae) in Mexico. *Biodiversity and Conservation* 14:3423-3436.
- Hather, A. 2008. Observations of frugivory in *Phylloderma stenops* (Chiroptera: Phyllostomidae). *Caribbean Journal of Science* 44:257-260.
- Humphrey, R. S., F. J. Bonaccorso and T. L. Zinn. 1983. Guild structure of surface-gleaning bats in Panamá. *Ecology* 64:284-294.
- Íñiguez-Dávalos, L. I. and E. Santana-Castellón. 2004. Análisis mastofaunístico del estado de Jalisco. In *Contribuciones mastozoológicas en homenaje a Bernardo Villa, V. Sánchez-Cordero and R. A. Medellín* (eds.). Instituto de Biología e Instituto de Ecología, Universidad Nacional Autónoma de México. México, D. F. 500 p.
- Kalcounis-Rueppell, M. C. and T. R. Spoon. 2009. *Peromyscus boylii* (Rodentia: Cricetidae). *Mammalian Species* 838:1-14.
- Kunz, H. T. and J. O. Jr. Whitaker. 1983. An evaluation of fecal analysis for determining food habits of insectivorous bats. *Canadian Journal of Zoology* 61:1317-1321.
- Kunz, H. T. and M. Brock-Fenton. 2003. Bat ecology. The University of Chicago Press. Chicago, Illinois. 779 p.
- MacSwiney, G. M. C., S. Hernández-Betancourt and R. Ávila-Flores. 2009. *Otonyctomys hatti* (Rodentia: Cricetidae). *Mammalian Species* 825:1-5.
- Navarrete, D. and J. Ortega. 2011. *Tamandua mexicana* (Pilosa: Myrmecophagidae). *Mammalian Species* 43:56-63.
- Norberg, U. M. and J. M. Rayner. 1987. Ecological morphology and flight in bats (Mammalia; Chiroptera): wing adaptations, flight performance, foraging strategy and echolocation. *Philosophical Transactions of the Royal Society of London, Series B, Biological Sciences* 316:335-427.
- Sánchez-Hernández, C., G. D. Schnell and M. L. Romero-Almaraz. 2009. *Peromyscus perfulvus* (Rodentia: Cricetidae). *Mammalian Species* 833: 1-8.
- Trujano-Álvarez, A. L. and S. T. Álvarez-Castañeda. 2010. *Peromyscus mexicanus* (Rodentia: Cricetidae). *Mammalian Species* 42:111-118.
- Volh, E. H., C. Maser and M. L. Johnson. 1983. Food habits of *Arborimus albipes*, the white-footed vole, in Oregon. *Northwest Science* 57:1-7.
- Whilaker, J. O. Jr, C. Maset and L. E. Kellel. 1977. Food habits

of bats of Western Oregon. Northwest Science 51:46-55.
Wilson, D. E. and S. Ruff. 1999. The Smithsonian book of North American mammals.

Online resources:

<http://www.science.smith.edu>

http://www.mnh.si.edu/mna/main.cfm?lang=_en

http://darnis.inbio.ac.cr/ubis/FMPro?-DB=Gruposand-lay=W_SubGrupoand-error=norec.html&Format=comun.

<http://animaldiversity.ummz.umich.edu/site/index.html>

Appendix 2. Ecological guilds of mammals and birds clustered by main food, foraging substrate and activity period.

Dendrogram 1a, mammals' guilds: 1= carnivore: ground hunter-diurnal, 2= carnivore: ground hunter-nocturnal, 3= carnivore: freshwater forager, 4= frugivore: arboreal forager-diurnal, 5= frugivore: arboreal forager-nocturnal, 6= frugivore: ground forager-diurnal, 7= granivore: arboreal forager-diurnal, 8= granivore: arboreal forager-nocturnal, 9= granivore: ground forager-diurnal, 10= granivore: ground forager-nocturnal, 11= herbivore: arboreal forager-diurnal, 12= herbivore: arboreal forager-nocturnal, 13= herbivore fossorial, 14= herbivore: ground forager-diurnal, 15= herbivore: ground forager-nocturnal, 16= herbivore: freshwater forager, 17= insectivore: aerial hawker-nocturnal, 18= insectivore: arboreal forager, 19= insectivore fossorial, 20= insectivore ground forager-diurnal, 21= insectivore: ground forager-nocturnal, 22= insectivore substrate forager-nocturnal, 23= nectarivore-nocturnal, 24= omnivore-diurnal, 25= omnivore-

nocturnal, 26= grazer, 27= sanguinivore.

Dendrogram 1b, birds' guilds: 1= carnivore: air-hawker, 2= carnivore: arboreal-hawker, 3= carnivore: ground-hawker, 4= carnivore-nocturnal, 5= frugivore: ground to lower canopy gleaner, 6= frugivore: upper-canopy gleaner, 7= granivore: ground to undergrowth gleaner, 8= granivore: lower to upper canopy gleaner, 9= herbivores: ground forager, 10= insectivore: air hawk above canopy, 11= insectivore: air hawk under canopy, 12= insectivore: bark excavator, 13= insectivore: bark gleaner, 14= insectivore: ground gleaner, 15= insectivore: lower canopy foliage gleaner, 16= insectivore: upper canopy foliage gleaner, 17= insectivore-nocturnal, 18= nectarivore, 19= omnivore: arboreal forager, 20= omnivore: ground forager, 22= carnivore: freshwater-forager, 21= scavengers.

