

Appendix 1. Alpha codes for species used in redundancy analysis grouped into their respective habitat guild. The Partners in Flight (PIF) Conservation Score ranges from 5 to 20 indicating least to greatest concern (Rosenberg et al. 2016).

Habitat Guild	Common Name	Scientific Name	PIF Score	Alpha Code
Grassland	Dickcissel	<i>Spiza americana</i>	11	DICK
	Eastern Meadowlark	<i>Sturnella magna</i>	11	EAME
	Grasshopper Sparrow	<i>Ammodramus savannarum</i>	12	GRSP
	Horned Lark	<i>Eremophila alpestris</i>	9	HOLA
Shrubland	Blue Grosbeak	<i>Passerina caerulea</i>	8	BLGR
	Blue-winged Warbler	<i>Vermivora cyanoptera</i>	13	BWWA
	Brown Thrasher	<i>Toxostoma rufum</i>	10	BRTH
	Cedar Waxwing	<i>Bombycilla cedrorum</i>	7	CEDW
	Chipping Sparrow	<i>Spizella passerina</i>	8	CHSP
	Common Yellowthroat	<i>Geothlypis trichas</i>	9	COYE
	Eastern Towhee	<i>Pipilo erythrophthalmus</i>	11	EATO
	Field Sparrow	<i>Spizella pusilla</i>	12	FISP
	Gray Catbird	<i>Dumetella carolinensis</i>	8	GRCA
	Indigo Bunting	<i>Passerina cyanea</i>	9	INBU
	Orchard Oriole	<i>Icterus spurius</i>	10	OROR
	Prairie Warbler	<i>Setophaga discolor</i>	13	PRAW
	White-eyed Vireo	<i>Vireo griseus</i>	8	WEVI
	Willow Flycatcher	<i>Empidonax traillii</i>	11	WIFL
	Yellow-breasted Chat	<i>Icteria virens</i>	10	YBCH
Yellow Warbler	<i>Setophaga petechia</i>	8	YEWA	
Interior-edge	American Redstart	<i>Setophaga ruticilla</i>	10	AMRE
	Blue-gray Gnatcatcher	<i>Poliptila caerulea</i>	7	BGGN
	Carolina Chickadee	<i>Poecile carolinensis</i>	9	CACH
	Downy Woodpecker	<i>Picoides pubescens</i>	7	DOWO
	Hooded Warbler	<i>Setophaga citrina</i>	9	HOWA
	Northern Flicker	<i>Colaptes auratus</i>	9	NOFL
	Northern Parula	<i>Setophaga americana</i>	8	NOPA
	Red-bellied Woodpecker	<i>Melanerpes carolinus</i>	7	RBWO
	Red-eyed Vireo	<i>Vireo olivaceus</i>	6	REVI
	Ruby-throated Hummingbird	<i>Archilochus colubris</i>	8	RTHU
	Summer Tanager	<i>Piranga rubra</i>	9	SUTA
	Tufted Titmouse	<i>Baeolophus bicolor</i>	7	TUTI
	Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	12	YBCU
Yellow-throated Vireo	<i>Vireo flavifrons</i>	9	YTVI	
Forest Interior	Acadian Flycatcher	<i>Empidonax vireescens</i>	11	ACFL
	Black-and-white Warbler	<i>Mniotilta varia</i>	11	BAWW
	Black-throated Green Warbler	<i>Setophaga virens</i>	9	BTNW
	Blue-headed Vireo	<i>Vireo solitarius</i>	7	BHVI
	Cerulean Warbler	<i>Setophaga cerulea</i>	15	CERW
	Hairy Woodpecker	<i>Picoides villosus</i>	6	HAWO
	Kentucky Warbler	<i>Geothlypis formosa</i>	14	KEWA
	Louisiana Waterthrush	<i>Parkesia motacilla</i>	12	LOWA
	Ovenbird	<i>Seiurus aurocapilla</i>	9	OVEN
	Pileated Woodpecker	<i>Dryocopus pileatus</i>	7	PIWO
	Scarlet Tanager	<i>Piranga olivacea</i>	12	SCTA
	White-breasted Nuthatch	<i>Sitta carolinensis</i>	6	WBNU

	Worm-eating Warbler	<i>Helmitheros vermivorum</i>	13	WEWA
	Wood Thrush	<i>Hylocichla mustelina</i>	14	WOTH
	Yellow-throated Warbler	<i>Setophaga dominica</i>	10	YTWA
Synanthropic	American Goldfinch	<i>Spinus tristis</i>	7	AMGO
	Brown-headed Cowbird	<i>Molothrus ater</i>	7	BHCO
	Blue Jay	<i>Cyanocitta cristata</i>	8	BLJA
	Carolina Wren	<i>Thryothorus ludovicianus</i>	7	CARW
	Eastern Phoebe	<i>Sayornis phoebe</i>	8	EAPH
	Killdeer	<i>Charadrius vociferus</i>	NA	KILL
	Mourning Dove	<i>Zenaida macroura</i>	6	MODO
	Northern Cardinal	<i>Cardinalis cardinalis</i>	5	NOCA
	Song Sparrow	<i>Melospiza melodia</i>	8	SOSP