

Appendix 1

Species that occurred inside mixed-species flocks from the highlands of Costa Rica and their relative abundance and proportion of occurrence inside flocks.

Species	Small		Average		Large	
	Average No. ind/flock	Occurrence (%)	Average No. ind/flock	Occurrence (%)	Average No. ind/flock	Occurrence (%)
Trogonidae						
<i>Trogon collaris</i>	NA	NA	NA	NA	1.3	10
Semnornitidae						
<i>Semnornis frantzii</i>	NA	NA	1	2.2	1.7	10
Picidae						
<i>Dryobates villosus</i>	NA	NA	1	6.5	1.5	6.7
Tityridae						
<i>Pachyramphus versicolor</i>	NA	NA	1	4.3	NA	NA
Tyrannidae						
<i>Platyrrinchus mystaceus</i>	NA	NA	1	2.2	NA	NA
<i>Mionectes olivaceus</i>	1	2	1	2.2	NA	NA
<i>Elaenia frantzii</i>	1.1	15.7	1.5	30.4	1.4	26.7
<i>Mitrephanes phaeocercus</i>	NA	NA	2	2.2	NA	NA
<i>Empidonax flavescens</i>	NA	NA	NA	NA	1.5	6.7
<i>Pseudocolaptes lawrencii</i>	1	5.9	1	13	1.5	26.7
Furnariidae						
<i>Thripadectes rufobrunneus</i>	NA	NA	1	2.2	1	10
<i>Premnoplex brunnescens</i>	1	2	1.5	4.3	1	16.7
<i>Margarornis rubiginosus</i>	1.8	64.7	1.9	80.4	2.7	90
Vireonidae						
<i>Vireo carmioli</i>	1.3	7.8	1	15.2	1.1	30
Ptiliogonatidae						
<i>Phainoptila melanoxantha</i>	2	5.9	1.4	21.7	1.4	16.7
Troglodytidae						
<i>Henicorhina leucophrys</i>	1.4	19.6	1.3	26.1	1.4	60
Turdidae						
<i>Myadestes melanops</i>	NA	NA	NA	NA	1	3.3
<i>Turdus plebejus</i>	1.3	15.7	1.4	28.3	1.4	46.7
Fringillidae						
<i>Chlorophonia callophrys</i>	1.5	3.9	1.3	13	1.4	23.3
Cardenallidae						
<i>Piranga bidentata</i>	NA	NA	1	2.2	2	6.7

<i>Pheuticus tibialis</i>	NA	NA	NA	NA	1	3.3
<i>Chlorospingus pileatus</i>	4.2	82.4	3.8	91.3	3.6	93.3
<i>Chlorospingus flavopectus</i>	2.4	9.8	1.8	17.4	2.6	33.3
Passerellidae						
<i>Arremon brunneinucha</i>	NA	NA	1	2.2	NA	NA
<i>Atlapetess tibialis</i>	2.4	41.2	2.3	43.5	2.1	70
Parulidae						
<i>Vermivora chrysoptera</i>	NA	NA	NA	NA	1	3.3
<i>Oreothlypis gutturalis</i>	NA	NA	1.8	8.7	1.3	13.3
<i>Setophaga fusca</i>	NA	NA	2	2.2	1	3.3
<i>Setophaga virens</i>	1	2	NA	NA	NA	NA
<i>Basileuterus melanogenys</i>	2	19.6	1.8	37	1.9	73.3
<i>Cardellina pusilla</i>	NA	NA	NA	NA	1	3.3
<i>Myioborus torquatus</i>	1.9	17.6	1.5	54.3	1.8	66.7
Thraupidae						
<i>Tangara dowii</i>	3.5	7.8	3.5	21.7	3.3	50
<i>Diglossa plumbea</i>	1.4	9.8	1.3	8.7	1	26.7