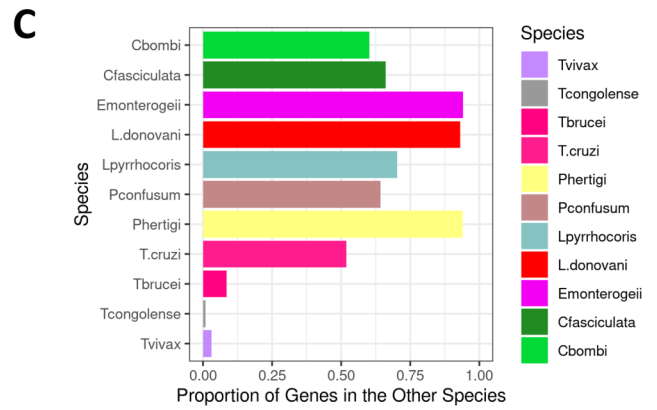
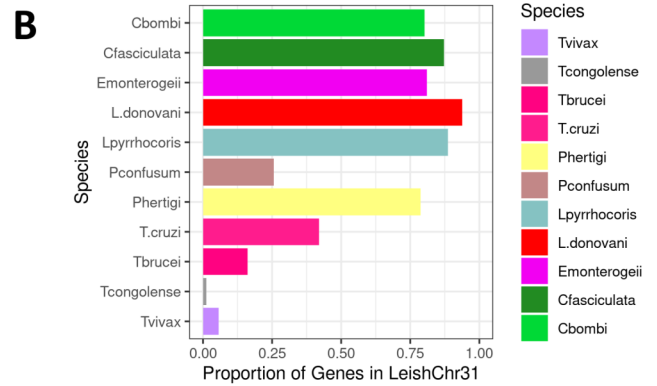
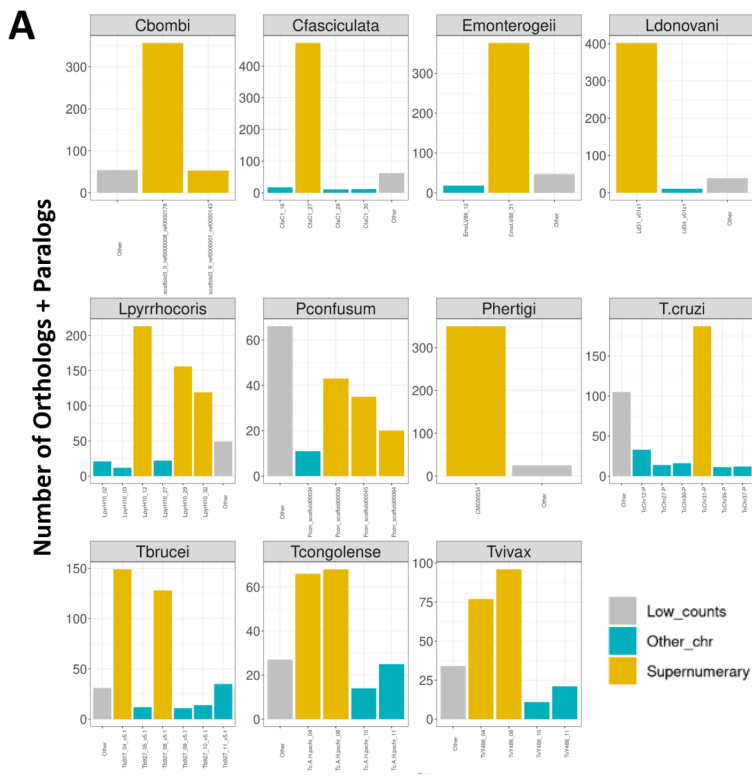


Supplemental_Fig_S3.pdf: Proportion of gene sharing between Leish Chr31 and the chromosomes in other species. A) Each panel corresponds to a different species. The Y axis corresponds to the number of shared Orthologs + Paralogs in a given chromosome and the *L. major* Leish Chr31. Chromosomes with consistent extra copies and syntenic to *L. major* Leish Chr31 are highlighted in gold, while other chromosomes are represented in blue. Chromosomes/scaffolds with less than 10 ortholog genes with Leish Chr31 were “grouped” in the “others” column, in grey. **B)** Proportion of genes in *L. major* Leish Chr31 have ortholog genes in the other species selected chromosomes **C)** The proportion of genes in a given chromosome that have orthologs in *L. major* Leish Chr31 **D)** Table representing the number of genes (total genes in *L. major* chr 31 = 352) in each Leish Chr31 syntenic chromosome and how many of these genes have orthologs in *L. major* Leish Chr31. **Chr_genes:** Number of genes in a given chromosome (or combination of chromosomes, as in *Leptomonas*, *C. bombi* and *P. confusum*). Orthologs: How many of these genes have orthologs/Paralogs in *L. major* Leish Chr31. *L. major* Orthologs: How many genes in *L. major* Leish Chr31 have orthologs/paralogs with genes in the other species selected chromosomes. **Prop_Lmajor:** The proportion of genes in *L. major* Leish Chr31 have orthologs/paralogs with genes in the other species selected chromosomes, **Prop_Other 31:** The proportion of genes in a given chromosome that have orthologs/Paralogs in *L. major* Leish Chr31.



Species	Chr	Chr_genes	Orthologs	Lmaj_orthologs	Prop_Lmajor31	Prop_Other31
L.donovani	Ld31	332	309	330	0.94	0.93
Lpyrrhcoris	LpyrH10_12 - LpyrH10_29 - LpyrH10_32	502	353	312	0.89	0.70
Cfasciculata	CfaC1.27	522	345	307	0.87	0.66
Emonterogeeii	EmoLV88.31	303	285	285	0.81	0.94
Cbombi	0 - 9	490	295	282	0.80	0.60
Phertigi	CM030534.1	295	277	277	0.79	0.94
T.cruzi	TcChr31-P	268	139	148	0.42	0.52
Pconfusum	Pc36 - Pc45 - PC64	140	90	90	0.26	0.64
Tbrucei	Tb927.04 AND Tb927.08	1440	123	57	0.16	0.09
Tvivax	TvY486.04 AND TvY486.08	1247	38	20	0.06	0.03
Tcngolense	Tc.A.H.pschr_04 AND Tc.A.H.pschr_08	1421	12	4	0.01	0.01