Order	Families Included in CMS	No. Species Included in CMS	Migration	Movement	Foraging	Vocal Learning	Comment	Discussion Points
GALLIFORMES	Phasianidae	1	Unlikely	Insufficient Data	Likely	No (indications from prairie chickens)	Foraging behaviour appears to be vertically facilitated in chickens; wild studies are lacking	
ANSERIFORMES	Anatidae	10	Known	Known	Unlikely	No	Insufficient data for some duck species	
PODICIPEDIFORMES	Podicipedidae	2	Insufficient Data	Unlikely	Unlikely	No	Several species migrate, but mechanisms of migration are poorly understood	
PHOENICOPTERIFORMES	Phoenicopteridae	2	Likely	Likely	No	No	Insufficient data for some duck species	
COLUMBIFORMES	Columbidae	1	Insufficent Data	Likely	Unlikely	No	Migratory cultures unlikely for many species, however some species are highly social in movement and understanding for these species is insufficient	
GRUIFORMES	Rallidae	8	Unlikely	Insufficient Data	Unlikely	No		
	Gruidae	6	Known	Likely	Insufficient Data	No		
OTIDIFORMES	Otididae	6	Known	Likely	Unlikely	No		
GAVIIFORMES	Gavidae	4	Unlikely; Insufficient Data	Unlikely	Unlikely	(Known)	vpl info from G. immer obs; difference in migration patterns between juveniles and adults may suggest that they exhibit exploration and refinement via individual learning similar to some raptors. However data is insufficient	
SPHENISCIFORMES	Spheniscidae	1	No	Known	Likely	No		
PROCELLARIIFORMES	Diomedeidae	22	No	Known	Likely	No		
	Procellariidae	14	Unlikely	Known	Likely	No	Evidence from shearwaters is that individuals exhibit exploration and refinement via individual learning	
CICONIIFORMES	Ciconiidae	5	Likely	Likely	Unlikely	No	learning from conspp in soaring migrants generally suggested by Chernetsov et al 2004	
PELECANIFORMES	Threskiornithidae	7	Known	Likely	Insufficient Data	No		
	Ardeidae	10	Insufficient Data	Insufficient Data	Known	No		
	Pelecanidae	2	Likely	Likely	Likely	No	Highly likely, birds are highly social, live in family groups and exhibit cooperative hunting. However there is a lack of studies	
SULIFORMES	Fregatidae	1	Likely (? see Wakefield et al 2019 comment)	Likely	Known	No		
CHARADRIIFORMES	Burhinidae	1	Likely (? see Palacios et al 2022)	Unlikely	Unlikely	No		
	Charadriidae	1	Likely (see Donald et al 2021 for V. gregarius)	Likely	Unlikely	No		
	Scolopacidae	10	Likely	Likely	Unlikely	No		
	Glareolidae	3	No	No	No	No		
	Laridae	30	Known	Likely	Insufficient data	Insufficient data	vpl indications from *L. ridibundus* obs; cultural inheritence of migration identified in Caspian terns	
	Alcidae	1	No	Likely	Insufficient data	No		
CATHARTIFORMES	Cathartidae	0	Likely (? see Chernetsov et al 2004 suggestion)	Likely	Insufficient data	No		
ACCIPITRIFORMES	Pandionidae	1	No	Unlikely	Unlikely	No		
	Accipitridae	18	Likely (? see Chernetsov et al 2004 suggestion)	Unlikely	Likely	No		
CORACIIFORMES	Meropidae	1	Known	Likely	Insufficient data	No		
	Coraciidae	1	Unlikely	Unlikely	Unlikely	No		
FALCONIFORMES	Falconidae	3	*Likely (? see Chernetsov et al 2004 suggestion)*	Likely	Insufficient data	No		
PSITTACIFORMES	Psittacidae	2	Likely; Not Applicable for species in CMS list	Likely	Likely	Yes		
PASSERIFORMES	Tyrannidae	4	Unlikely? - see comment for all Passeriformes	Insufficient Data	Insufficient Data	Known (bellbirds) No(tyrannid flycatchers)		
	Acrocephalidae	3	Unlikely?	Insufficient Data	Insufficient Data	Known		
	Hirundinidae	1	Unlikely?	Insufficient Data	Insufficient Data	Known		
	Turdidae	1	Unlikely	Insufficient Data	Unlikely	Known		
	Fringillidae	1	Unlikely?	Likely	Unlikely	Known		
	Emberizidae	2	Unlikely?	Insufficient Data	Insufficient Data	Known		
	Icteridae	2	Unlikely?	Insufficient Data	Insufficient Data	Known		
	Parulidae	3	Unlikely?	Insufficient Data	Insufficient Data	Known		
	Thraupidae	4	Unlikely?	Insufficient Data	Insufficient Data	Known		
	Laniidae	2	Unlikely?	Insufficient Data	Insufficient Data	Known		