

	130	140	150	160	170	180	190	200	210																														
CD47_HUMAN	IVVFP	FAILL	FWGQ	GKTL	KYRS	GGMDE	KTAL	LVAG	GLVIT	VIVIVG	ALFV	PGEYS	LKNAT	GLGL	IVTST	GILL	LLHY	VFS	STAI																				
American_chameleon	IIATV	VAAVLY	FSSV	VVAMR	FDMT	LSKK	GLFL	ELVI	LVIT	FLAVIG	VLLP	PAGY	ESSQO	GLAL	IVVPA	FILV	PLHF	LF	TSVFE																				
King_cobra	IIISIV	LIVILY	WCOE	ITVA	QKFD	MT	FKKK	GFTV	TGLL	IFAVIG	TLLY	AGGE	YTSV	KT	GLIV	IPAI	IVVPL	FL	TSVFE																				
Chinese_softshell_turtle	IIFFLV	LAILS	YWHI	GITV	SKFET	A	FWKK	LLFG	GVVIT	VVALIG	FLLP	PGG	PKNA	GLS	LIVL	SVIL	VPLQ	FL	LOKVS																				
Agassiz_desert_tortoise	IIILFMV	LAILFY	WIOA	ITV	SKFET	T	L	LK	SFLA	IGVV	IT	VFAV	FSL	ISDE	KPEN	OT	GLGL	IVL	PAVIL	VPSQ	FL	LOKVS																	
Chicken	IAVLLF	FIIIL	QWAO	GVI	AL	KCET	V	RK	KKH	ITR	CS	FT	VVAIV	AV	LF	QD	GS	ISM	NO	GL	AFT	IL	PAG	IL	MV	LQ	SI	FK	NV	L									
Northern_mallard	ISVLLF	LIVVF	WAOI	GVI	AL	KCET	V	HKN	KY	VAV	CA	FT	VLAIV	AV	LF	QD	GS	ISM	NO	GL	FV	LV	PA	VIL	MV	LQ	SI	FK	NV	L									
American_alligator	IIILFL	LAI	FWAO	CV	GS	KFE	IG	L	G	K	GL	I	T	G	S	I	I	I	A	G	V	V	A	L	L	V	P	D	G	Y	T	A	O	N					
Band_tailed_pigeon	IIIVLL	LVIIF	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Rock_dove	IIIVLL	LVIIF	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Collared_flycatcher	IVSLVI	LLVIL	CAAO	TF	I	G	L	K	Y	E	I	E	S	Q	R	K	V	C	I	V	A	L	V	F	A	V	A	V	G	T	L	F	A	O	D	G	Y	T	
Bengalese_finch	IVSLMC	LLVIL	CAAO	TF	I	G	L	K	Y	E	I	E	S	Q	R	K	V	C	I	V	A	L	V	F	A	V	A	V	G	T	L	F	A	O	D	G	Y	T	
Zebra_finch	IVSLMC	LLVIL	CAAO	TF	I	G	L	K	Y	E	I	E	S	Q	R	K	V	C	I	V	A	L	V	F	A	V	A	V	G	T	L	F	A	O	D	G	Y	T	
Burrowing_owl	IIALVF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Bar-tailed_godwit	IIALVF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Golden_eagle	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Kakapo	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Northern_Bobwhite	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Barn_swallow	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Ring-necked_pheasant	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Common_box_turtle	IIISMV	LAILFY	WIOA	ITV	SKFET	A	L	L	K	S	F	L	A	G	G	C	T	S	V	R	T	I	F	A	V	I	G	T	L	L	I	S	D	D	K	P	E		
Big-headed_turtle	IIISMV	LAILFY	WIOA	ITV	SKFET	A	L	L	K	S	F	L	A	G	G	C	T	S	V	R	T	I	F	A	V	I	G	T	L	L	I	S	D	D	K	P	E		
Eastern_brown_snake	IIISIV	LIVILY	WCOE	ITVA	QKFD	M	F	E	K	K	G	F	T	G	L	L	I	S	I	F	A	V	I	G	T	L	L	I	S	D	D	K	P	E	N	O			
Eastern_diamondback_rattlesnake	IIISII	LIVILY	WCOE	ITVA	QKFD	M	F	E	K	K	G	F	T	G	L	L	I	S	I	F	A	V	I	G	T	L	L	I	S	D	D	K	P	E	N	O			
South_American_coral_snake	IIISIV	LIVILY	WCOE	ITVA	QKFD	M	F	E	K	K	G	F	T	G	L	L	I	S	I	F	A	V	I	G	T	L	L	I	S	D	D	K	P	E	N	O			
Brown_tree_snake	IIISII	LIVILY	WCOE	ITVA	QKFD	M	F	E	K	K	G	F	T	G	L	L	I	S	I	F	A	V	I	G	T	L	L	I	S	D	D	K	P	E	N	O			
MacQueens_bustard	IIITLF	SVIIL	CAAO	SV	I	A	L	K	Y	E	I	E	T	Q	K	K	S	L	I	V	A	G	I	F	I	T	A	A	V	G	T	L	F	A	O	D	G	Y	
Cuckoo_roller	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Hoatzin	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Adelie_penguin	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Speckled_mousebird	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Golden-collared_manakin	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
White-throated_tinamou	IIIVLL	LAI	FWAO	CV	GS	KFE	IG	L	G	K	Y	E	I	E	S	Q	R	K	V	C	I	V	A	L	V	F	A	V	A	V	G	T	L	F	A	O	D	G	Y
Red-throated_loon	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Red-crested_turaco	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Great_crested_grebe	IIIVLL	LAI	FWAO	CV	GS	KFE	IG	L	G	K	Y	E	I	E	S	Q	R	K	V	C	I	V	A	L	V	F	A	V	A	V	G	T	L	F	A	O	D	G	
Northern_carmine_bee-eater	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Northern_fulmar	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Emperor_penguin	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
White-tailed_eagle	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Dalmatian_pelican	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Grey_crowned_crane	IIIVLL	SVVIL	CAAO	SV	I	A	L	K	Y	E	I	E	T	Q	K	K	S	L	I	V	A	G	I	F	I	T	A	A	V	G	T	L	F	A	O	D	G		
Common_cuckoo	IIIVLL	SVVIL	CAAO	SV	I	A	L	K	Y	E	I	E	T	Q	K	K	S	L	I	V	A	G	I	F	I	T	A	A	V	G	T	L	F	A	O	D	G		
Sunbittern	IIIVLL	SVVIL	CAAO	SV	I	A	L	K	Y	E	I	E	T	Q	K	K	S	L	I	V	A	G	I	F	I	T	A	A	V	G	T	L	F	A	O	D	G		
American_crow	IIISLM	LLVIL	CAAO	SV	I	A	L	K	Y	E	I	E	T	Q	K	K	S	L	I	V	A	G	I	F	I	T	A	A	V	G	T	L	F	A	O	D	G		
Brown_mesite	IIALLS	SVIIL	CAAO	SV	I	A	L	K	Y	E	I	E	T	Q	K	K	S	L	I	V	A	G	I	F	I	T	A	A	V	G	T	L	F	A	O	D	G		
Barn_owl	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
American_flamingo	IIIVLL	LVIIF	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Annas_hummingbird	IIIVLL	LVIIF	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Red-legged seriema	IIALLF	LVIIL	CSAO	FS	I	AL	KYE	I	E	P	Q	K	T	G	I	V	G	V	F	I	V	A	A	V	G	T	L	F	A	O	D	G	Y	T	A	O			
Gouldian_finch	VVSLMC	LLVIL	CAAO	SV	I	A	L	K	Y	E	I	E	T	Q	K	K	S	L	I	V	A	G	I	F	I	T	A	A	V	G	T								

	220	230	240	250	260	270																																																					
CD47_HUMAN	G	T	S	F	V	I	A	I	V	I	Q	V	I	A	I	V	V	G	L	S	L	C	I	A	A	C	I	P	M	H	G	P	L	L	I	S	G	L	S	I	L	A	L	A	Q	L	L	G	L	V	Y	M	K	F	V	A			
American_chameleon	K	Q	P	L	F	A	I	L	V	L	K	A	I	G	Y	I	A	V	A	G	L	C	V	L	A	C	P	K	Q	S	I	M	I	A	G	L	A	I	D	I	V	A	A	I	G	L	T	Y	L	I	V	I	G	G					
King_cobra	K	Q	P	L	F	A	I	L	V	L	K	A	I	G	Y	I	A	V	A	G	L	C	V	L	A	C	P	K	Q	S	I	M	I	A	G	L	A	I	D	I	V	A	A	I	G	L	T	Y	L	I	V	I	G	G					
Chinese_softshell_turtle	S	K	S	R	F	D	I	F	L	L	V	E	S	L	G	Y	I	A	I	G	A	L	C	I	T	A	C	P	K	N	G	S	V	V	I	I	G	L	V	I	I	A	F	V	E	V	A	G	L	I	L	G	I	V	G				
Agassiz_desert_tortoise	N	L	S	F	A	I	G	V	V	L	E	S	L	G	Y	I	A	V	I	G	L	C	V	T	A	C	R	P	I	N	G	A	V	V	I	A	G	L	A	I	M	A	L	T	P	V	V	G	L	I	H	A	I	T	R				
Chicken	D	I	T	H	K	G	Y	A	L	I	G	F	Q	V	V	G	Y	I	A	V	I	G	A	L	S	V	S	A	C	P	S	V	L	L	S	V	V	I	A	G	L	V	M	A	V	A	D	L	L	A	L	A	Y	V	V	S	C		
Northern_mallard	D	V	T	R	K	G	Y	A	L	I	G	L	Q	S	P	F	V	V	A	L	V	G	A	L	C	S	A	C	P	S	E	L	L	S	V	V	I	A	G	L	V	M	A	F	E	D	L	L	A	L	L	Y	M	V	T	S	C		
American_alligator	N	H	S	P	S	A	V	L	L	K	S	I	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	A	Q	S	V	V	I	A	G	L	A	I	M	A	S	G	N	L	I	S	L	A	Y	V	F	I	T	G				
Band_tailed_pigeon	S	L	P	P	T	A	F	V	L	L	F	F	Q	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	S	A	N	F	I	S	M	A	Y	V	F	I	T	G	
Rock_dove	S	L	P	P	T	A	F	V	L	L	F	F	Q	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	S	A	N	F	I	S	M	A	Y	V	F	I	T	G	
Collared_flycatcher	S	Q	L	Q	A	T	F	A	L	L	G	L	K	L	G	F	Y	I	A	V	I	G	A	L	C	V	P	A	C	P	P	L	H	G	S	V	L	I	A	G	L	A	I	M	A	I	A	S	L	L	S	L	A	Y	V	F	I	T	G
Bengalese_finch	S	L	R	A	T	L	A	L	L	G	L	K	L	G	F	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	V	S	V	L	I	A	G	L	A	I	M	A	F	A	S	I	C	S	L	V	Y	V	F	M	G		
Zebra_finch	S	L	R	A	T	L	A	L	L	G	L	K	L	G	F	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	V	S	V	L	I	A	G	L	A	I	M	A	F	A	S	I	C	S	L	V	Y	V	F	M	G		
Burrowing_owl	S	L	Q	A	T	F	A	L	L	G	L	Q	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Bar-tailed_godwit	N	L	P	Q	A	T	F	V	L	L	G	L	Q	T	G	Y	I	A	V	I	G	A	L	C	V	P	A	C	P	P	I	H	A	S	V	I	A	G	L	A	I	L	A	I	A	Y	L	L	S	L	G	Y	V	F	I	V	E	G	
Golden_eagle	S	L	Q	A	T	F	A	L	L	G	L	Q	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Kakapo	S	L	Q	A	T	F	A	L	L	G	L	H	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Northern_Bobwhite	D	I	T	H	K	G	Y	A	L	I	G	F	Q	V	V	G	Y	I	A	V	I	G	A	L	S	V	S	A	C	P	S	I	L	L	S	V	V	I	A	G	L	V	M	A	V	A	D	L	L	A	L	A	Y	V	V	S	Y	G	
Barn_swallow	S	L	Q	A	T	F	A	L	L	G	L	K	L	G	F	Y	I	A	V	I	G	A	L	C	V	P	A	C	P	P	L	H	G	S	V	L	I	A	G	L	A	I	M	A	I	A	S	L	L	S	L	A	Y	V	F	I	T	G	
Ring-necked_pheasant	D	I	T	H	K	G	Y	A	L	I	G	F	Q	V	V	G	Y	I	A	V	I	G	A	L	S	V	S	A	C	P	S	V	L	L	S	V	V	I	A	G	L	V	M	A	V	A	D	L	L	A	L	V	Y	V	F	M	G		
Common_box_turtle	N	N	L	L	F	A	I	G	V	V	L	E	S	L	G	Y	I	A	V	I	G	L	C	I	T	A	C	R	P	K	N	G	A	V	V	I	A	G	L	A	I	M	A	L	A	V	G	L	T	Y	A	I	S	G					
Big-headed_turtle	N	N	L	L	F	A	I	G	V	V	L	E	S	L	G	Y	I	A	V	I	G	L	C	I	T	A	C	R	P	K	N	G	A	V	V	I	A	G	L	A	I	M	A	L	A	V	G	L	T	Y	A	I	S	G					
Eastern_brown_snake	K	Q	P	L	F	A	V	L	L	A	K	A	I	G	Y	I	A	V	A	G	A	L	C	V	T	V	C	E	P	K	H	G	S	V	L	I	V	G	L	A	I	I	G	A	V	A	I	G	L	T	Y	I	I	I	G				
Eastern_diamondback_rattlesnake	K	Q	P	L	F	A	V	L	L	A	K	A	I	G	Y	I	A	V	A	G	A	L	C	V	T	A	C	P	K	H	G	S	V	L	I	A	G	L	A	I	I	G	A	V	A	I	G	L	T	Y	I	I	I	G					
South_American_coral_snake	K	Q	P	V	F	A	V	L	L	A	K	A	I	G	Y	I	A	V	A	G	A	L	C	V	T	V	C	E	P	K	H	G	S	V	L	I	A	G	L	A	I	I	G	A	V	A	I	G	L	T	Y	I	I	I	G				
Brown_tree_snake	K	Q	P	L	F	A	V	L	L	A	K	A	I	G	Y	I	A	V	A	G	A	L	C	V	T	E	C	L	P	K	N	G	A	V	L	I	A	G	L	A	I	I	S	A	V	A	V	I	G	L	T	Y	I	I	I	G			
MacQueens_bustard	S	L	Q	A	T	F	A	L	L	G	L	Q	L	G	Y	I	A	V	I	G	A	L	C	S	A	C	P	Q	L	H	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G			
Cuckoo_roller	S	L	Q	A	T	F	A	L	L	G	L	Q	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Hoatzin	S	L	Q	A	T	F	A	L	L	G	L	K	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Adelie_penguin	S	L	Q	A	T	F	A	L	L	G	L	K	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	L	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Speckled_mousebird	S	L	Q	A	T	F	A	L	L	G	L	K	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Golden-collared_manakin	S	L	P	H	T	L	A	L	L	G	L	K	L	G	Y	I	A	V	I	G	A	L	C	V	P	A	C	P	P	L	H	A	S	V	L	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	V	Y	V	F	I	T	G		
White-throated_tinamou	S	L	T	K	T	A	L	L	A	L	E	F	L	G	Y	I	A	V	A	G	A	L	C	V	S	A	C	P	V	L	N	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	V	Y	V	C	F	V	G		
Red-throated_loon	S	L	Q	A	T	F	A	L	L	G	L	Q	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Red-crested_turaco	S	L	Q	A	T	F	A	L	L	G	L	Q	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	M	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Great_creted_grebe	S	L	Q	A	T	F	A	L	L	G	L	Q	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	V	G	N	L	L	S	L	V	Y	V	F	I	T	G		
Northern_carmine_bee-eater	S	L	Q	A	T	F	A	L	L	G	L	E	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	L	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Northern_fulmar	S	L	Q	A	T	F	A	L	L	G	L	E	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Emperor_penguin	S	L	Q	A	T	F	A	L	L	G	L	E	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	L	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
White-tailed_eagle	S	L	Q	A	T	F	A	L	L	G	L	Q	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L	L	S	L	A	Y	V	F	I	T	G		
Dalmatian_pelican	N	L	Q	A	T	F	A	L	L	G	L	E	L	G	Y	I	A	V	I	G	A	L	C	V	S	A	C	P	P	L	H	G	S	V	V	I	A	G	L	A	I	M	A	I	A	N	L												

	280	290	300	
CD47_HUMAN	SNQKTIQP	RKAVEEP	NAFKESK.G	MMND...E...
American_chameleon	SSLRDHQP	RKAVEES	ND..AK.GV	MLE
King_cobra	SNLKDHP	RKAVEES	NG...RCTGYEVIESNYGHGNKWR	TFVD...TPWP..
Chinese_softshell_turtle	SLKAYI.G	LTPN..		
Agassiz_desert_tortoise	SSKKDQ.AS	TKAVEEP	NG..RW	
Chicken	SRMKDHP	RY...		
Northern_mallard	SRMKDHP	RY...	NE..LK.T	ETESTAEMNDG
American_alligator	SRMKDHP	RNNL..		
Band_tailed_pigeon	SRMKDHP	RKAVEEP	ND..AK.G	VML...E..
Rock_dove	SRMKDHP	GVS.K.L	NI..	E..
Collared_flycatcher	SRMKDHP	RKAVEEP	ND..AK.G	VML...E..
Bengalese_finch	SRMKDHP	RKAVEEP	ND..AK.G	VML...E..
Zebra_finch	SRMKDHP	RKAVEEP	ND..AK.G	VML...E..
Burrowing_owl	SRMKDHP	RKAVEEP	ND..AK.G	VML...E..
Bar-tailed_godwit	LKSYVIRE	YTVVDT	WP	
Golden_eagle	SRMKDHP	RKAVEEP	ND..AK.G	VML...E..
Kakapo	SRMKDHP	RKAVEEP	ND..AK.G	VML...E..
Northern_Bobwhite	R.IAFAIQ			
Barn_swallow	SVELDTGK	RITHGIK	GRSV	
Ring-necked_pheasant	SRMKDHP	RKAVEEP	ND..TK.G	VML...E..
Common_box_turtle	YSKKEQ.P	RKAVEEP	NA..KV.TG	ESDR..ICYRGDM
Big-headed_turtle	SSKKEQ.H	RKAVEEP	NG..	
Eastern_brown_snake	SNLKDHP	RKAVEES	ND..AK.G	VMLE
Eastern_diamondback_rattlesnake	SNLKDHP	RHWM..		
South_American_coral_snake	SNLKDHP	RKAVEES	ND..AK.G	VMLE
Brown_tree_snake	SNLKDHP	RKAVEES	ND..AK.G	VMLE
MacQueens_bustard	SRMQDHP	RKAVEEP	N	
Cuckoo_roller	SRMKDHP	RKAVEEP	N	
Hoatzin	SRMKDHP	RKAVEEP	N	
Adelie_penguin	SRMKDHP	RKAVEEP	N	
Speckled_mousebird	SRMKDHP	RKAVEEP	N	
Golden-collared_manakin	SRMKDHP	RKAVEEP	N	
White-throated_tinamou	SRMKDHP	RKAVEEP	N	
Red-throated_loon	SRMKDHP	RKAVEEP	N	
Red-crested_turaco	SRMKDHP	RKAVEEP	N	
Great_crested_grebe	SRMKDHP	RKAVEEP	N	
Northern_carmine_bee-eater	PRMKDHP	RKAVEEP	N	
Northern_fulmar	SRVKDHP	RKAVEEP	N	
Emperor_penguin	SRMKDHP	RKAVEEP	N	
White-tailed_eagle	SRMKDHP	RKAVEEP	N	
Dalmatian_pelican	SRMKDHP	RKAVEEP	N	
Grey_crowned_crane	SRMKDHP	RKAVEEP	N	
Common_cuckoo	SRMKDHP	RKAVEEP	N	
Sunbittern	SRMKDHP	RKAVEEP	N	
American_crow	SRMKDHP	RKAVEEP	N	
Brown_mesite	SRMKDHP	RKAVEEP	N	
Barn_owl	SRMKDHP	RKAVEEP	N	
American_flamingo	SRMKDHP	RKAVEEP	N	
Annas_hummingbird	SRMKDHP	RKAVEEP	N	
Red-legged_seriema	SRMKDHP	RKAVEEP	N	
Gouldian_finch	SRMKDHP	RKAVEEP	N	
Little_egret	SRMKDHP	RKAVEEP	N	
Yellow-throated_sandgrouse	SRMKDHP	RKAVEEP	N	
Turkey_vulture	SRMKDHP	RKAVEEP	N	
Downy_woodpecker	SRMKDHP	RKAVEEP	N	
Kea	SRMKDHP	RKAVEEP	N	
Killdeer	SRMKDHP	RKAVEEP	N	
Scaled_quail	SRMKDHP	RKAVEEP	N	
Ocelot_gecko	SNFKKEHP	RHVMS.V		
Common_wall_lizard	TRFKDHP	RKAVEEP	WT.WK	QVE...KDFC..
consensus>70	s.mkdh..p.kavee.l			