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Pavo_muticus	MSDHPEERATMIAAGDLQEFVPRGREHCRRHPGAHNLQPRELQPASELCSSDGAAGLVGS	60
Pavo_cristatus	MSDHPEERATMIAAGDLQEFVPRGREHCRRHPGAHNLQPRELQPASELCSSDGAAGLVGS	60
Gallus_gallus	msdhseeratmiaagdl <mark>qefiprgrehcrrhpgahnlqprelqpase</mark> lcssdgaaglvgs	60
Chelonia_mydas	MSNNYEERVTMIAAGDLQEFV <mark>PFGRDHCKHHPN</mark> ALNLQLRQLQPASELWSSDGAAGLVGS	60
Mus_musculus	MSNFSEERATMIAAGDLQEFVPFGRDHCKHHPNALNLQLRQLQPASELWSSDGAAGLVGS	60
Rattus_norvegicus	MSNFSEERATMIAAGDLQEFVPFGRDHCKHHPNALNLQLRQLQPASELWSSDGAAGLVGS	60
Homo_sapiens	MSNFYEERTTMIAARDLQEFVPFGRDHCKHHPNALNLQLRQLQPASELWSSDGAAGLVGS	60
Macaca_mulatta	MSNFYEERATMIAARDL <mark>QEFVPFGRDHCKHHPNALNLQLRQLQPASELWSSDG</mark> AA <mark>G</mark> LV <mark>GS</mark> MSNFYEERTTMIAARDLQEFVPFGRDHCKHHPNALNLQLRQLQPASELWSSDGAAGLVGS	60 60
Callithrix_jacchus		60
Canis_lupus_familiaris	MSNFYEERATMIAAGDLQEFVPFGRDHCKHHPNALNLQLRQLQPASELWSSDGAAGLVGS MSNFYEERATMIAAGDLQEFVPFGRDHCKHHPNALNLQLRQLQPASELWSSDGAAGLVGS	60
Bos_taurus	MSNFYEERATMIAAGDLQEFVPFGRDHCKHHPNALNLQLRQLQPASELWSSDGAAGLVGS MSNFYEERATMIAAGDLQEFVPFGRDHCKHHPNALNLQLRQLQPASELWSSDGAAGLVGS	60
<pre>Heterocephalus_glaber Xenopus_tropicalis</pre>	MSNIYEEKQTMIAAGDLQEFVPLGRDHSKHHPNALNLQLRQLQPASELWSSDGAAGLVGS	60
kellopus_cropicalis	1102030405060	60
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Pavo muticus	LREVTIHERORESWOLRKGVSDFGEEVDYDEELYVASNMVIWSKGSKSEASAAYKAFSVD	120
Pavo cristatus	LREVTIHERORESWOLRKGVSDFGEEVDYDEELYVASNMVIWSKGSKSEASAAYKAFSVD	120
Gallus_gallus	LREVTIHERQRESWQLRKGVSDFGEEVDYDEELYVASNMVIWSKGSKTEASAAYKAFSVD	120
Chelonia_mydas	LQEVTIHEKQKESWLLRRGVSDVGEEVEYDEELYVAGNMVIWSKGSKSQASAVYKAFTVD	120
Mus_musculus	L <mark>OEVTIHEKOKESWOLRKG</mark> VSEIGDAADYDEELYVAGNMVIWS <mark>KGSKSO</mark> ALAVYKAFTVD	120
Rattus_norvegicus	L <mark>QEVTIHEKQKESWQLRKG</mark> VSEIGDAADYDEELYVAGNMVIW <mark>SKGSKSQ</mark> ALAVY <mark>K</mark> AFTVD	120
Homo_sapiens	L <mark>QEVTIHEKQKESWQLRKG</mark> VSEIGEDVDYDEELYVAGNMVIW <mark>SKGSKSQ</mark> ALAVYKAFTVD	120
Macaca_mulatta	L <mark>QEVTIHEKQKESWQLRKG</mark> VSEIGEDVDYDEELYVAGNMVIW <mark>SKGSKSQ</mark> ALAVYKAFTVD	120
Callithrix_jacchus	L <mark>QEVTIHEKQKESWQLRKG</mark> VSEI <mark>G</mark> EDVDYDEELYVA <mark>GN</mark> MVIW <mark>SKGSKSQ</mark> ALAVYKAF T VD	120
Canis_lupus_familiaris	L <mark>QEVTIHEKQKESWQLRKG</mark> VSEI <mark>GEEVDYDEELYVAGN</mark> MVIW <mark>SKGSKSQ</mark> ALAVY <mark>K</mark> AF T VD	120
Bos_taurus	L <mark>QEVTIHEKQKESWQLRKG</mark> VSEI <mark>GEEVDYDEELYMAGN</mark> MVIW <mark>SKGSKSQ</mark> ALAVYKAF T VD	120
Heterocephalus_glaber	L <mark>QEVTIHEKQKESWQLRKGVSEIGEEVDYDEELYVAGN</mark> MVIW <mark>SKGSKSQALAVYK</mark> AFTVD	120
Xenopus_tropicalis	LREVTIHEKNKESWQLRKGVGDPGEDAEYDEELYVAGNVVIWSKGSKIQASTVYKAFTVD	120
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Danie mutieur		100
Pavo_muticus	SPVLQALWCDFTIQQEKSDKADVSGGKEIVQKCVCILQSSCVNVHSIDGKDYIAALPFQV	180
Pavo_cristatus	SPVLQALWCDFTIQQEKSDKADVSGGKEIVQKCVCILQSSCVNVHSIDGKDYIAALPFQV SPVLQALWCDFTIQQEKSDKADVSGGKEIVQKCVCILQSSCVNVHSIDGKDYVAALPFQV	180 180
Gallus_gallus Chelonia_mydas	SPVLQALWCDFTVQQEKSEKVDNSDEIVEKCICILQSSCINVHSIEGKDYIASLPFQV	178
Mus_musculus	STVQQALWCDFIISQDKSEKIYKSHELEKCICILQSSCHNMHSIDGKDYIASLPFQV	177
Rattus norvegicus	STVQQALWCDFIISQDKSEKIYKSHELEKCICILQSSCMNMHSIDGKDYIASLPFQV	177
Homo_sapiens	SPVQQALWCDFIISQDKSEKAYSSNEVEKCICILQSSCINMHSIEGKDYIASLPFQV	177
Macaca_mulatta	SPVQQALWCDFIISQDKSEKAYSSNEVEKCICILQSSCINMHSIEGKDYIASLPFQV	177
Callithrix_jacchus	SPVQQALWCDFIISQDKSEKAYSSHEIEKCICILQSSCINMHSIEGKDYIASLPFQV	177
Canis lupus familiaris		177
Bos taurus	SPVQQALWCDFIISQDKSDKDYSSDEVERCICILQSSCINMHSIEGKDYIASLPFQV	177
Heterocephalus_glaber	SPVQQALWCDFIISQDKSEKSYSSHEVEKCICILQSSCINMHSIEGKDYIASLPFQV	177
Xenopus_tropicalis	SPVVQALWCDFTIFNDKNDNETDEGKLEKCVCVLQSSCINVHNTDGKDYIAPLPFQV	177
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Pavo_muticus	ANIWPTKFGLLLERSGSSHEVPPSPPREPLPTMFSMLHPLDEITPLVCKSG	231
Pavo_cristatus	ANIWPTKFGLLLERSGSSHEVPPSPPREPLPTMFSMLHPLDEITPLVCKSG	231
Gallus_gallus	ANIWPTKFGLLLERSGSSHEVPPSPPREPLPTMFSMLHPLDEITPLVCKSG	231
Chelonia_mydas	ANVWPTKYGLLFERSSTSHEVPLSPPREPLPTMFSMLHPLDEITPLVCKSGDGVNLSA	236
Mus_musculus	ANVWATKYGLLFERCSSSHEVPPSLPREPLPTMFSMLHPLDEITPLVCKSG	228
Rattus_norvegicus	ANVWATKYGLLFERSSSSHEVPPSLPREPLPTMFSMLHPLDEITPLVCKSG	228
Homo_sapiens	ANVWPTKYGLLFERSASSHEVPPGSPREPLPTMFSMLHPLDEITPLVCKSG	228
Macaca_mulatta	ANVWPTKYGLLFERSTSSHEVPPGSPREPLPTMFSMLHPLDEITPLVCKSG	228
Callithrix_jacchus	ANVWPTKYGLLFERSTSSHEVPPGSPREPLPTMFSMLHPLDEITPLVCKSG	228
Canis_lupus_familiaris		228
Bos_taurus	ANVWPTKYGLLFERSSSSCEVPPGPPREPLPTLFSMLHPLDEITPVVCKSG	228
Heterocephalus_glaber	ANVWPTKYGLLFERSTSSHEVPPGPPREPLPTMFSMLHPLDEITPLVCKSG	228
Xenopus_tropicalis	ANVWPTKYGLLFERNSNSTLHEVPQSPPREPLPTIFSMLHPLDEITPLVSRSG	230
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Pavo_muticus	AGVFGSARVQYVADYTLRIVFVNAEPSIVMTYDTVQSLHTVWALRRVKPEEQNKVLK	288
Pavo_cristatus	AGVFGSARVQYVADYTLRIVFVNAEPSIVMTYDTVQSLHTVWALRRVKPEEQNKVLK	288
Gallus_gallus	AGVFGSARVQYVADYTLRIVFVNAEPSIVMTYDTVQSLHTVWALRRVKPEEQNMVLK	288
Chelonia_mydas	TSLAGVFGSARVQYVADYTLRIVFLNEEPSIVMTYDTVQSLHAVWALRRVKPEEQNTVLK	296 284
Mus_musculus	SLFGSSRVQYVVDPAVKIVFLNIDPSIVMTYDAVQNVHSVWTLRRVKPEEENAVLK SLFGSSRVQYVVDPAVKIVFLNIDPSIVMTYDAVQNVHSVWTLRRVKPEEETAVLK	284
Rattus_norvegicus		284
Homo_sapiens Macaca mulatta	SLFGSSRVQYVVDHAMKIVFLNTDPSIVMTYDAVQNVHSVWTLRRVKSEEENVVLK SIFGSSRVQYVVDHAMKIVFLNTDPSIVMTYDAVQNVHSVWTLRRVKSEEENVVLK	284
Callithrix_jacchus	SLFGSPRVQYVVDHAMKIVFLNTDPSIVMTYDAVQNVHSVWTLRRVRSEEENVVLK	284
Canis_lupus_familiaris	SLFGSSRVQYVVDHAMKIVFLNTEPSIIMTYDTVQSLHSVWALRRVKTEEENVVLK	284
Bos taurus	SLFGSSRVQYVVDHAMKIVFLHTDPSIVMTYDTVQGLHSVWALRRVKTEEGNVVLK	284
Heterocephalus glaber	SLFGSSRVQYVVDQAMKIVFLSIDPSFVMTYDSVQNAHSLWTLRRVRAEEENVVLK	284
Xenopus_tropicalis	GIFGSSRVYVVSDPTLRIVFTHSDPSIVMTYDTVQGSHTVWALRKVKAEEQNAVLN	286
xellopus_cropicalis	250260270280290300	200
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Pavo_muticus	FSEQLGTPQNVAASSSLTAQLRSLSKGDSPMASPFQNYSSIHSQSRSASSPSMQSRSP	346
Pavo_cristatus	FSEQLGTPQNVAASSSLTAQLRSLSKGDSPMASPFQNYSSIHSQSRSASSPSMQSRSP	346
Gallus_gallus	FSEQLGTPQNVAASSSLTAQLRSLSKGDSPMASPFQNYSSIHSQSRSVSSPSMQSRSP	346
Chelonia_mydas	FSEQVGTPQHVATSSSLTAHLRSLSKGDSPMASPFQNYSSLHSQSRSLSSPSVHSRSP	354
Mus_musculus	FPEQAGTLQNATTSSSLTAHLRSLSKGESPVASPFQNYSSIHSQSRSTSSPSLHSRSP	342
Rattus_norvegicus	FPEQAGTLQNAATSSSLTAHLRSLSKGESPVASPFQNYSSIHSQSRSASSPSLHSRSP	342
Homo_sapiens	FSEQGGTPQNVATSSSLTAHLRSLSKGDSPVTSPFQNYSSIHSQSRSTSSPSLHSRSP	342
Macaca_mulatta	FSEQGGTPQNVATSSSLTAHLRSLSKGDSPVTSPFQNYSSIHSQSRSTSSPSLHSRSP	342
Callithrix_jacchus	FSEQGGTPQNVATSSSLTAHLRSLSKGDSPVTSPFQNYSSIHSQSRSTSSPSLHSRSP	342
Canis_lupus_familiaris		342
Bos_taurus	FSEQGGTPQNVATSSSLTAHLRSLSKGDSPVASPFQNYSSIHSQSRSASSPSLHSRSP	342
Heterocephalus_glaber	FSEQGGTPQNVATSSSLTAHLRSLSKGDSPVASPFQNYSSIHSQSRSASSPSLHSRSP	342
Xenopus_tropicalis	L-EQIGTPQHGMTTSSLTAHLRSVSKGESPTASPFQNFSSLHSQSRSVSSPSIHSRSHSP	345
	310320330340350360	
D	*************** **:*.***. **:* . : ** ** ****	406
Pavo_muticus	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP	406
Pavo_cristatus	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP	406
Pavo_cristatus Gallus_gallus	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP	406 406
Pavo_cristatus Gallus_gallus Chelonia_mydas	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP	406 406 414
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP	406 406 414 402
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP	406 406 414 402 402
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRSHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP	406 406 414 402 402 402
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP	406 406 414 402 402 402 402
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP	406 406 414 402 402 402 402 402
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP	406 406 414 402 402 402 402 402 401
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSSNSNGSFLAPETEP	406 406 414 402 402 402 402 401 401
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP	406 406 414 402 402 402 402 401 402 402
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFSLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFSLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP	406 406 414 402 402 402 402 401 401
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP	406 406 414 402 402 402 402 401 402 402
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFSLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFSLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNFSSNTPSPKRLGASGSPNSTSSD-FLSVETEP SISNMAALSRAHSPALGVHSFAGVQRFNFSSNTPSPKRLGASGSPNSTSSD-FLSVETEP SISNMAALSRAHSPALGVHSFAGVQRFNFSSNTPSPKRLGALGAGGSPNSTSSD-FLSVETEP SISNMAALSRAHSPALGVHSFAGVQRFNFSSNTPSSNTPSPKRLGALGAGGSPNSTSSD-FLSVETEP SISNMAALSRAHSPALGVHSFAGVQRFNFSSNTP SISNMAALSRAHSPANAMA SAANAMA SAANAMA SAANAMA SAAN	406 406 414 402 402 402 402 401 402 402
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNFSSNTPSPKRLGASGSPNSTSSD-FLSVETEP SISNMAALSRAHSPALGVHSFAGVQRFNFSSNTPSPKRLGASGSPNSTSSD-FLSVETEP SISNMAALSRAHSPALGVHSFAGVQRFNFSSNTPSPRAGVAGNATARATARATARATARATARATARATARATARATARATA	406 406 414 402 402 402 401 402 404
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Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFSLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFSLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNFSSNTPSPKRLGASGSPNSTSSD-FLSVETEP370380390400410420 ******:****** *****:****** IVPELCIDHLWTEAITKMREKNSQASKVFITTDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTEAITKMREKNSQASKVFITTDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETITMTREKNSQASKVFITTDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETLPNIREKNSQASKVFITTDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETLPNIREKNSQASKVFITTDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETLPNIREKNSQASKVFITTDLCGQKFLCFLVEAQLQLRCVKFQESND IVPELCIDHLWTETLPNIREKNSQASKVFITTDLCGQKFLCFLVEAQLQLRCVKFQESND IVPELCIDHLWTETLPNIREKNSQASKVFITTDLCGQKFLCFLVEAQLQLRCVKFQESND IVPELCIDHLWTETLPNIREKNSQASKVFITTDLCGQKFLCFLVEAQLQLRCVKFQESND IVPELCIDHLWTETLPNIREKNSQASKVFITTDLCGQKFLCFLVEAQLQLRCVKFQESND IVPELCIDHLWTETLPNIREKNSQASKVFITTDLCGQKFLCFLVEAQLQLRCVKFQESND IVPELCIDHLWTETLPNIREKNSQASKVFITTDLCGQKFLCFLVEAQLQLRCVKFQESND IVPELCIDHLWTETLPNIREKNSQASKVFITTDLCGQKFLCFLVEAQLQLRCVKFQESND IVPELCIDHLWTETLTNIREKNSQASKVFITTDLCGQKFLCFLVEAQLQLRCVKFQESND IVPELCIDHLWTETLTNIREKNSQASKVFITTDLCGQKFLCFLVEAQLQLRCVKFQESND	406 414 402 402 402 401 402 404 466 466 474 462 462
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSISHSPGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHSQSPKRHSISHSPGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFAGVQRFNFSSNTPSPKRLGASGSPNSTSSD-FLSVETEP370380390400410420 ***********************************	406 414 402 402 402 401 402 404 466 466 474 462 462 462
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNFSSNTVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNFSSNTPSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNFSSNTPSPKRLGASGSPNSTSSD-FLSVETEP SISNMAALSRAHSPALGVHSFSGVQRFNFTTTDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETITMTREKNSQASKVFITTDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETITMTREKNSQASKVFITTDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETTTTNIREKNSQASKVFITTSDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETTTTNIREKNSQASKVFITTSDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETTTTNIREKNSQASKVFITTSDLCGQKFLCFLVESQLQLRCVKFQESND	406 414 402 402 402 401 402 404 466 466 474 462 462 462 462
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRSHSPALGVHSFSGAQRFNFSSNTQSPRRHSASHSPNSASSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGAQRFNLSSHSQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNSSNTPSPKRLGASGSPNSTSSD-FLSVETEP SISNMAALSRAHSPALGVHSFSGVQRFNFSSNTPSPKRLGASGSPNSTSSD-FLSVETEP SISNMAALSRAHSPALGVHSFSGVQRFNTTTDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETITNIREKNSQASKVFITTDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETTTNIREKNSQASKVFITTSDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETTTNIREKNSQASKVFITTSDLCGQKFLCFLVESQLQLRCVKFQESND IVPELCIDHLWTETTTNIREKNSQASKVFITTS	406 414 402 402 402 401 402 404 466 466 467 462 462 462 462 462 462 462
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNLSSHNQSPRRHSITHSPESTCSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNFSSNTPSPRRLGASGSPNSTSD-FLSVETEP370380390400410420 ******:******:: :*:******:***********	406 414 402 402 402 401 402 404 466 466 466 462 462 462 462 462 462 46
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVQSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNLSSHNQSPRRHSITHSPESTCSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPKRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNFSSNTPSPKRLGASGSPNSTSD-FLSVETEP370380390400410420 ******:******:: :*:******************	406 414 402 402 402 401 402 404 466 466 474 462 462 462 462 462 462 462 462
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNSSSNVQSPRRHSITHSPESTCSDSFLVTETEP SISNMAALSRSHSPALGVHSFSGVQRFNLSSHNQSPRRHSITHSPESTCSDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPSGSFNDSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNISSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNLSSHNQSPRRHSISHSPNSNSNGSFLAPETEP SISNMAALSRAHSPALGVHSFSGVQRFNFSSNTPSPRRLGASGSPNSTSD-FLSVETEP370380390400410420 ******:******:: :*:******:***********	406 414 402 402 402 401 402 404 466 466 466 462 462 462 462 462 462 46

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_	*:******** ****** :.*::*********:********	
Pavo_muticus	KSQLIFGSVTNIQAKDAAPVQGVDTLLVLEGSGNLVLYSGVVRVGKVFIPGLPAPSLTMS	526
Pavo_cristatus	KSQLIF <mark>GSVTNIQAKDAAPVQGVDT</mark> LLVL <mark>EGSGN</mark> LVLY <mark>SGVVRVGK</mark> VFI <mark>PG</mark> LPAPSLTMS	526
Gallus_gallus	KSQLIFGSVTNIQAKDAA <mark>P</mark> VQGVDTLLVL <mark>EGSGN</mark> LVLYSGIVRVGKVFI <mark>PG</mark> LPAPSLTMS	526
Chelonia_mydas	KSQLIF <mark>GSVTNIQAKDAAP</mark> VESIDTLLVLE <mark>GNGN</mark> LVLY <mark>TG</mark> VVRV <mark>GK</mark> VFI <mark>PG</mark> LPAPSLTMS	534
Mus_musculus	KTQLIF <mark>GSVTNIHAKDAAPVEKIH</mark> TMLVL <mark>EGNGN</mark> LVLY <mark>TG</mark> VVRV <mark>GK</mark> VFI <mark>PG</mark> LPAPSLTMS	522
Rattus_norvegicus	KTQLIFGSVTNIHAKDAAPVEKIDTMLVLEGNGNLVLYTGVVRVGKVFIPGLPAPSLTMS	522
Homo_sapiens	KTQLIFGSVTNIPAKDAAPVEKIDTMLVLEGSGNLVLYTGVVRVGKVFIPGLPAPSLTMS	522
Macaca mulatta	KTQLIFGSVTNIPAKDAAPVEKIDTMLVLEGSGNLVLYTGVVRVGKVFIPGLPAPSLTMS	522
Callithrix jacchus	KTOLIFGSVTNIPAKDAAPVEKIDTMLVLEGSGNLVLYTGVVRVGKVFIPGLPAPSLTMS	522
Canis_lupus_familiaris	KTOLIFGSITNIHAKDAAPVEKIDTMLVLEGSGNLVLYTGVVRVGKVFIPGLPAPSLTMS	521
Bos taurus	KTQLIFGSVTNIQAKDAAPVEKIDTMLVLESSGNLVLYTGVVRVGKVFIPGLPAPSLTMS	522
Heterocephalus_glaber	KTOLIFGSVTNIHAKDAAPVEKIDTMLVLEGSGNLVLYTGVVRVGKVFIPGLPAPSLMMS	522
Xenopus_tropicalis	KSQLIFGSVTNISAKDAAPVEAIDTMVVLENNGNLVLYTGVVRVGKIFIQGLAAPSLGMS	524
	490500510520530540	
	. *******:.: *. :.*.* *:* : *******::* * :****:* *	50 6
Pavo_muticus	NQMPRPSTPLDSVSTPSKTLNKHLGPLEESMLLSPVPELRDSSKLHDSTYVEDCTFQQHG	586
Pavo_cristatus	NQMPRPSTPLDSVSTPSKTLNKHLGPLEESMLLSPVPELRDSSKLHDSTYVEDCTFQQHG	586
Gallus_gallus	NQMPRPSTPLDSVSTPSKTLNKHLGPLEESMLLSPVPELRDSSKLHDSTYVEDCTFQQHG	586
Chelonia_mydas	NQMPRPSTPLDSLNTPSKPLNKHLGPLEEGVLLSPVPELRDSSKLHDSSYIDDCTFQQLG	594
Mus_musculus	NMMPRPSTPLDGVGTP-KPLSKLLGSMDEVVLLSPVPELRDSSKLNDSLYNEDCTFQQLG	581
Rattus_norvegicus	NMMPRPSTPLDGVSTP-KPLSKLLGSMDEVVLLSPVPELRDSSKLNDSLYNEDCTFQQL <mark>G</mark>	581
Homo_sapiens	NTMPRPSTPLDGVSTP-KPLSKLLGSLDEVVLLSPVPELRDSSKLHDSLYNEDCTFQQLG	581
Macaca_mulatta	NTMPRPSTPLDGVSTP-KPLSKLLGSLDEVVLLSPVPELRDSSKLHDSLYNEDCTFQQLG	581
Callithrix_jacchus	NTMPRPSTPLDGISTP-KPLSKLLGSLDEVVLLSPVPELRDSSKLHDSLYNEDCTFQQLG	581
Canis_lupus_familiaris	NTMPRPSTPLDSVSTP-KPLSKLLGSLDEVVLFSPVPELRDSSKLHDSLYNEDCTFOOLG	580
Bos taurus	NTMPRPSTPLDGVTTA-NPLSKLLGSLDEVLVS-PVPELRDSSKLHDSLYTEDCTFQQLG	580
Heterocephalus glaber	STMPRPSTPLDSVSTP-KPLSKLLGSLDEAVLLSPVPELRDSSKLHDSLYNEDCTFOOFG	581
Xenopus_tropicalis	NPMPRPSTPLESISTPAKPLNKHLAPMDEAGMLSPVPELRDSTRLHESTYLDDCTFHQFG	584
	550560570580590600	
Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas	*::*::*** **:**:::**** TFIHALRDPVHNRVTLELSSNTMVRITIPEIATSELVKTCLQGVKAILPKEIAVQMLVKW TFIHALRDPVHNRVTLELSSNTMVRITIPEIATSELVKTCLQGVKAILPKEIAVQMLVKW TFIHALRDPVHNRVTLELSSNTMVRITIPEIATSELVKTCLQGVKAILPKEIAVQMLVKW TFIHALRDPVHNRVTLELSSNTMVRITIPEIATSELVKTCLQGVKAILPKEIAVQMLVKW TFIHSVRDPVHNRVTLELSNSSMVRITIPEIATSELVKRCLQGIKSILPKEIAVQMLVKW	646 646 646 654
Mus_musculus	TYIHSVRDPVHNRVTLELSNGSMVRITIPEVATSELVQTCLQAIKFILPKEVAIQVLVKW	641
Rattus_norvegicus	TYIHSVRDPVHNRVTLELSNGSMVRITIPEVATSELVQTCLQAIKFILPKEVAVQVLVKW	641
Homo_sapiens	TYIHSIRDPVHNRVTLELSNGSMVRITIPEIATSELVQTCLQAIKFILPKEIAVQMLVKW	641
Macaca_mulatta	TYIHSIRDPVHNRVTLELSNGSMVRITIPEIATSELVQTCLQAIKCILPKEIAVQMLVKW	641
Callithrix_jacchus	TYVHSVRDPVHNRVTLELSNGSMVRITIPEIATSELVQTCLRAIKFILPKEIAVQMLVKW	641
Canis_lupus_familiaris		640
Bos_taurus	TYIHSIRDPVRNRVTLELSNGSMVRITIPEIATSELVQTCLQAIKFILPKEIAVQMLVKW	640
<pre>Heterocephalus_glaber</pre>	TYIHSVRDPVHNRVTLELSNGSMVRITIPEVATSELVQTCLQAIKFILPKEVAVQMLVKW	641
Xenopus_tropicalis	TYIHSVRDPVHNRLTLEIN <mark>NGS</mark> MVRISIPDIATSELVKKCLQAIKYIL <mark>PKE</mark> IAVQMLVKW	644
	610620630640650660	
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Pavo_muticus	YNAYNAPGGPSYRLEWNLFVTCLMNMMGYNTEKLTWTRNLNVGGSPSPVSAPKKARPSET	706
Pavo cristatus	YNAYNA <mark>PGGPSYRLEWNLFVTCLMNMMGYNTEKLTWTRN</mark> LNVGGSPSPVSA <mark>PKKAR</mark> PSET	706
Gallus gallus	YNAYNAPGGPSYRLEWNLFVTCLMNMMGYNTEKLTWTRNLNVGGSPSPVSAPKKARPSET	706
Chelonia mydas	YNAYNA <mark>PGGPSYHSE</mark> WSLFVTCLMNLMGYNTDRLAWMRNLDLEGSLSPVIAPKKARPSET	714
Mus musculus	YNVHSAPGGPSCHSEWSLFVICLLNMMGYNTDRLAWTRSFDFEGSLSPVIAPKKARPSDT	701
Rattus_norvegicus	YNVHSAPGGPSCHSEWSLFVICLLNMMGYNTDRLAWTRSFDFEGSLSPVIAPKKARPSDT	701
Homo_sapiens	YNVHSAPGGPSYHSEWNLFVTCLMNMMGYNTDRLAWTRNFDFEGSLSPVIAPKKARPSET	701
Macaca mulatta	YNVHSAPGGPSYHSEWNLFVTCLMNMMGYNTDRLAWTRNFDFEGSLSPVIAPKKARPSET	701
Callithrix_jacchus	YNVHSAPGGPSYHSEWNLFVTCLMNLMGYNTDRLAWTRNFDFEGSLSPVIAPKKARPSET	701
	YSVHSAPGGPSYHSEWNLFVTCLMNMMGYNTDRLAWTRNFDFEGSLSPVIAPKKARPSET	700
Bos taurus	YSVHSAPGGPSDHSEWNLFVTCLMNMMGYNTDRLAWTRNFDFEGSLSPVIAPKKARPSET	700
Heterocephalus_glaber	YNVHSAPGGPSYHSEWNLFVICLMNMMGYNTDRLAWTRNFDFEGSLSPVIAPKKARPSET	701
Xenopus_tropicalis	YNCHNAPGGPTNHSEWNMFVTCLMNMMGYNTDKLSWTRNCDFEGSLSPVIAPKKARPSET	704
-	670680690700710720	

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	:**:.*:**:* * : * * : : : : : : :	
Pavo muticus	GSDEDWEYLLSSDYHRNFESHPLSRVLGLDPLEDLAPOD-DFLQSLSLDYSTLLFTHIPA	765
Pavo_cristatus	GSDEDWEYLLSSDYHRNFESHPLSRVLGLDPLEDLAPQD-DFLQSLSLDYSTLLFTHIPA	765
Gallus_gallus	GSDEDWEYLLSSDYHRNFESHPLSRVLGLDPLEVLAPKD-DFLQSLSLDYSTLLFTHIPA	765
Chelonia mydas	GSDEDWEYLLNSDYHRNLESHPLARALRLDPLETSFPKD-DFSPSLSLDSSTLLFTHIPA	773
_ -		761
Mus_musculus	GSDEDWEYLLNSEYHRNVESHLLNKSLCLTALEVSNAKDEDFSQNLSLDSSTLLFAHIPA	
Rattus_norvegicus	GSDDDWEYLLNSEYHHNVESHLLNKSLCLNALEVTKTKDEDFPQNLSLDSSTLLFAHIPA	761
Homo_sapiens	GSDDDWEYLLNSDYHQNVESHLLNRSLCLSPSEASQMKDEDFSQNLSLDSSTLLFTHIPA	761
Macaca_mulatta	GSDDDWEYLLNSDYHQNVESHLLNRSLCLSPSEASQMKDEDFSQNLSLDSSTLLFTHIPA	761
Callithrix_jacchus	GSDDDWEYLLNSDYHQNVESHLLNRALCLSSSEVSQMKDEDFSQNLSLDSSTLLFTHIPA	761
Canis_lupus_familiaris	GSDDDWEYLLNSDYHONVESHLLNRSLCLSPLEVSQMKDEDFSQNLTLDSSTLLFTHIPA	760
Bos taurus	GSDDDWEYLLNSDYHQNVESHLLNRSLCLSPLEVSQMKDEDFSQNLSLDSSTLLFTHIPA	760
Heterocephalus_glaber	GSDDDWEYLLNSDYHONVESHLLNRSLCLSSLEVSRVKDEDFSONLSLDSSTLLFTHITA	761
Xenopus_tropicalis	GSDEDWEYLINSDYHRNVETHILARALQLDSLDALVAKD-DIQNVVSLDSSALLFSHAPA	763
xenopus_cropicaris		703
	730740750760770780	
	:* **:** ** ** **: **:****** .*:*: * *	
Pavo muticus	IFFVLHLVYEEFKLNLLMGEENRSLVVLLVQLARDLKLEAYIDYYYRDYPALVKSSGOTC	825
Pavo cristatus	IFFVLHLVYEEFKLNLLMGEENRSLVVLLVQLARDLKLEAYIDYYYRDYPALVKSSGQTC	825
Gallus_gallus	IFFVLHLVYEEFKLNLLMGEENRSLVVLLVOLARDLKLEAYIDYYYRDYPALVKSSGOTC	825
Chelonia mydas	IFFVLHLIYEELKLNSLMGEGIRSLVVLLVQLARDLKLEAYIDYYYREYPALVKTSRQTC	833
_ -		821
Mus_musculus	IFFVLHLVYEELKLNTLMGEGICSLIDLLVQLARDLKLDSYLDHYYRDSPTLVKTTGQVC	
Rattus_norvegicus	IFFVLHLVYEELKLNTLMGEGICSLIDLLVQLARDLKLEPYLDHYYRDYPTLVKTTGQVC	821
Homo_sapiens	IFFVLHLVYEELKLNTLMGEGICSLVELLVQLARDLKLGPYVDHYYRDYPTLVRTTGQVC	821
Macaca_mulatta	IFFVLHLVYEEL <mark>K</mark> LNTLMGEGICSLVDLLVQLARDLKLGPYVDHYYRDYPTLVRTTGQVC	821
Callithrix_jacchus	IFFVLHLVYEEL <mark>KLNT</mark> LM <mark>GEG</mark> ICSLVELLVQLARDL <mark>KLGP</mark> YVDHYYRDYPTLVRTTGQVC	821
Canis_lupus_familiaris	IFFVLHLIYEELKLNTLMGEGIRSLVGLLVQLARDLKLEPYVDHYYRDFPTLVRTTGQVC	820
Bos_taurus	IFFVLHLVYEELKLNTLMGEGVRSLVELLVOLARDLKLEPYIDHYYRDYPTLVRTTGOVC	820
Heterocephalus glaber	IFFVLHLVYEELKLNTLMGEGIRSLVDLLVQLARDLHLGPYVDHYYRDYPTLVRTTGOLC	821
	IFYVLHLTYEELKLNTLMREGIQSLVMLLLQLARDLNLDTYMDFYFRDYPTLVKTTNQTC	823
Xenopus_tropicalis		043
	790800810820830840	
	*: *.:*.**:.************************	
Pavo muticus	*: *.:*.**:.***::*:** *** *********::*:********	882
_	II <mark>DQGFMHHP</mark> AFF <mark>SAEPPS</mark> IF Q WL <mark>SSCLKGG</mark> RVQ <mark>PYPYLPGICERSK</mark> LVILSVALYI	
Pavo_cristatus	IID <mark>QGFMHHP</mark> AFFSAEPPSIFQWLSSCLKGGRVQ <mark>PYPYLPGICERSK</mark> LVILSVALYI II <mark>DQGFMHHP</mark> AFFSAEPPSIFQWL <mark>SSCLKGG</mark> RVQ <mark>PYPYLPGICERSK</mark> LVILSVALYI	882
Pavo_cristatus Gallus_gallus	IID <mark>QGFMHHP</mark> AFFSA <mark>EPPSIFQWLSSCLKGG</mark> RVQ <mark>PYPYLPGICERSK</mark> LVILSVALYI IID <mark>QGFMHHP</mark> AFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IID <mark>QGFMHHP</mark> AFFSAEPPSIFQWL <mark>SSCLKGG</mark> SVQPYPYLPGICERSKLVILSVALYI	882 882
Pavo_cristatus Gallus_gallus Chelonia_mydas	IID <mark>QGFMHHP</mark> AFFSAEPPSIFQWLSSCL <mark>KGG</mark> RVQ <mark>PYPYLPGICERSK</mark> LVILSVALYI IID <mark>QGFMHHP</mark> AFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IID <mark>QGFMHHP</mark> AFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVILSVALYI IID <mark>Q</mark> AQTGFMHHPSFFSAEPPSIFQWLSSCLKGEGALPYPYLPGICERSKLVVLSVALYI	882 882 893
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus	IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVILSVALYI IIDQAQTGFMHHPSFFSAEPPSIFQWLSSCLKGEGALPYPYLPGICERSKLVVLSVALYI TIDQGQMGFMHHPPFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYT	882 882 893 881
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus	IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVILSVALYI IIDQAQTGFMHHPSFFSAEPPSIFQWLSSCLKGEGALPYPYLPGICERSKLVVLSVALYI TIDQGQMGFMHHPPFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYT TIDQGQMGFMHHPSFFTSEPPSIYQWVSSCLKGEGTPPYPYLPGICERSRLVVLSIALYT	882 882 893 881 881
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens	IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVILSVALYI IIDQAQTGFMHHPSFFSAEPPSIFQWLSSCLKGEGALPYPYLPGICERSKLVVLSVALYI TIDQGQMGFMHHPPFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYT TIDQGQMGFMHHPSFFTSEPPSIYQWVSSCLKGEGTPPYPYLPGICERSRLVVLSIALYT TIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYT	882 882 893 881 881
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus	IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVILSVALYI IIDQAQTGFMHHPSFFSAEPPSIFQWLSSCLKGEGALPYPYLPGICERSKLVVLSVALYI TIDQGQMGFMHHPPFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYT TIDQGQMGFMHHPSFFTSEPPSIYQWVSSCLKGEGTPPYPYLPGICERSRLVVLSIALYT	882 882 893 881 881 881
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens	IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVILSVALYI IIDQAQTGFMHHPSFFSAEPPSIFQWLSSCLKGEGALPYPYLPGICERSKLVVLSVALYI TIDQGQMGFMHHPPFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYT TIDQGQMGFMHHPSFFTSEPPSIYQWVSSCLKGEGTPPYPYLPGICERSRLVVLSIALYT TIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI TIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYI MIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYI	882 882 893 881 881
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus	IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVILSVALYI IIDQAQTGFMHHPSFFSAEPPSIFQWLSSCLKGEGALPYPYLPGICERSKLVVLSVALYI TIDQGQMGFMHHPPFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYT TIDQGQMGFMHHPSFFTSEPPSIYQWVSSCLKGEGTPPYPYLPGICERSRLVVLSIALYT TIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI TIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYI MIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYI	882 882 893 881 881 881
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris	IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVILSVALYI IIDQAQTGFMHHPSFFSAEPPSIFQWLSSCLKGEGALPYPYLPGICERSKLVVLSVALYI TIDQGQMGFMHHPPFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYT TIDQGQMGFMHHPSFFTSEPPSIYQWVSSCLKGEGTPPYPYLPGICERSRLVVLSIALYT TIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI TIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYI MIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI TIDQGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI TIDQGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI	882 882 893 881 881 881 881 881
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVILSVALYI IIDQAQTGFMHHPSFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVVLSVALYI IIDQGQMGFMHHPFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYT TIDQGQMGFMHHPSFFTSEPPSIYQWVSSCLKGEGTPPYPYLPGICERSRLVVLSIALYT TIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI TIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYI MIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI TIDQGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI TIDQGQTGFMHHPSFFTPEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI AIDQGQTGSMQYPPFFTPEPPSIYQWVSSCLKGEGWPPYPYLPGICERSRLVVLSIALYI	882 882 893 881 881 881 881 880 880
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVILSVALYI IIDQAQTGFMHHPSFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVVLSVALYI IIDQGQMGFMHHPFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYT TIDQGQMGFMHHPSFFTSEPPSIYQWVSSCLKGEGTPPYPYLPGICERSRLVVLSIALYT TIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI TIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSKLVVLSIALYI MIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI TIDQGQTGFMHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI TIDQGQTGSMQYPPFFTPEPPSIYQWVSSCLKGEGWPPYPYLPGICERSRLVVLSIALYI AIDQGQTGSMQYPPFFTPEPPSIYQWVSSCLKGEGWPPYPYLPGICERSRLVVLSIALYI TIDQGQTGSMQYPPFFTPEPPSIYQWVSSCLKGEGWPPYPYLPGICERSRLVVLSIALYI TIDQGQTGFMDHPSFFTSEPPSIYQWVSSCLKGEGWPPYPYLPGICERSRLVVLSIALYI	882 882 893 881 881 881 881 880 880
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGRVQPYPYLPGICERSKLVILSVALYI IIDQGFMHHPAFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVILSVALYI IIDQAQTGFMHHPSFFSAEPPSIFQWLSSCLKGGSVQPYPYLPGICERSKLVVLSVALYI IIDQGQMGFMHHPFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYT IIDQGQMGFMHHPSFFTSEPPSIYQWVSSCLKGEGTPPYPYLPGICERSRLVVLSIALYT IIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI IIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI IIDPGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI IIDQGQTGFMHHPSFFTSEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI IIDQGQTGFMHHPSFFTPEPPSIYQWVSSCLKGEGMPPYPYLPGICERSRLVVLSIALYI IIDQGQTGSMQYPPFFTPEPPSIYQWVSSCLKGEGWPPYPYLPGICERSRLVVLSIALYI IIDQGQTGSMQYPPFFTPEPPSIYQWVSSCLKGEGWPPYPYLPGICERSRLVVLSIALYI IIDQGQTGFMDHPSFFTSEPPSIYQWVSSCLKGERMPPYPYLPGICERSRLVVLSIALYI IIDQGQTGFMDHPSFFTSEPPSIYQWVSSCLKGERMPPYPYLPGICERSRLVVLSIALYI IIDQGQTGFMDHPSFFTSEPPSIYQWVSSCLKGERMPPYPYLPGICERSRLVVLSIALYI IIDQGQTGFMDHPSFFTSEPPSIYQWVSSCLKGERMPPYPYLPGICERSRLVVLSIALYI	882 882 893 881 881 881 881 880 880
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Pavo_muticus	RDLETLPFGVALPIRDAIYYCREQPASDWPEAVCVLIGRQDLSKQACEGNLLKSKSSVGP	1002
Pavo_cristatus	RDLETLPFGVALPIRDAIYYCREQPASDWPEAVCVLIGRQDLSKQACEGNLLKSKSSVGP	1002
Gallus_gallus	RDLETLPFGVALPIRDAIYYCREQPASDWPEAVCVLIGRQDLSRQACDGNLLKSKSSVGP	1002
Chelonia_mydas	RDLESLPFGVALPIRDAVYHCREQPASDWPEAVCLLIGRQDLSKQACEGNLAKGKSSVAQ	1013
Mus_musculus	RDLETLPFGIALPIRDAIYHCREQPDSDWSEAVCLLIGRQDLSKQACEGNLPRGKS	997
Rattus_norvegicus	RDLETLPFGIALPIRDAIYHCREQPDSDWSEAVCLLIGRQDLSKQACEGNLPRGKS	997 997
Homo_sapiens Macaca mulatta	RDLETLPFGIALPIRDAIYHCREQPASDWPEAVCLLIGRQDLSKQACEGNLPKGKS RDLETLPFGIALPIRDAIYHCREQPASDWPEAVCLLIGRQDLSKQACEGNLPKGKSSVTQ	1001
Macaca_muiatta Callithrix_jacchus	RDLETLPFGIALPIRDAITHCREQPASDWPEAVCLLIGRQDLSKQACEGNLPRGKSSVTQ RDLETLPFGVALPIRDAITHCREQPASDWPEAVCLLIGRQDLSKQACEGNLPRGKSSVTQ	1001
Canis_lupus_familiaris	RDLETLPFGIALPIRDAITHCREQPASDWPEAVCLLIGRODLSKQACEGNLPKGKS	996
Bos taurus	RDLETLPFGIALPIRDAITHCREQPASDWPEAVCLLIGRQDLSKQACEGNLPKGKS	996
Heterocephalus glaber	RDLETLPFGIALPIRDAITHCREQPASDWPEAVCLLIGRQDLSKQACEGNLPRGKS	995
Xenopus_tropicalis	QDLESLPFGVALPIRHAIYQCRQQPASDWAQGVCILIGRQDLSKQACDGNLPKAKPSAGP	1002
kenopus_cropicaris	97098099010101020	1002
	* *	
Pavo muticus	VLSSDSPSGAESEEDEDGMNNMNDEVMSLIWSKDLRVQEVRRLLQSARPVRVNVVQMPEA	1062
Pavo cristatus	VLSSDSPSGAESEEDEDGMNNMNDEVMSLIWSKDLRVQEVRRLLQSARPVRVNVVQMPEA	1062
Gallus gallus	VLSSDSPSGAESEEDEDGMNNMNDEVMSLIWSKDLRVQEVRRLLQSARPVRVNVVQMPEA	1062
Chelonia mydas	VLSSDVPSGAEAEEDDDGMNDMNQEVMSLIWSEDLRVQEVRRLLQSAHPVRVSVVQMPEV	1073
Mus_musculus	VLSSEVSSGTEAEEEDDGMNDLNHEVMSLIWSEDLRVQDVRRLLQSAQPVRVNVVQYPEL	1057
Rattus_norvegicus	VLSSDVASGAEAEEEDDGMNDLNHEVMSLIWSEDLRVQDVRRLLQSAQPVRVNVVQYPEL	1057
Homo_sapiens	VLSSDVPSGTETEEEDDGMNDMNHEVMSLIWSEDLRVQDVRRLLQSAHPVRVNVVQYPEL	1057
Macaca_mulatta	VLSSDVPSGTETEEEDDGMNDMNHEVMSLIWSEDLRVQDVRRLLQSAHPVRVNVVQYPEL	1061
Callithrix_jacchus	VLSSDVPSGTETEEEDDGMNDMNHEVMSLIWSEDLRVQDVRRLLQSAHPVRVNVVQYPEL	1061
Canis_lupus_familiaris	VLSSDVPSGTETEEEDDGMNDMNQEVMSLIWSEDLRVQDVRRLLQSAHPVRVNVVQYPEL	1056
Bos_taurus	VLSSDVP <mark>SGTETEEEDDGMNDMNQEVMS</mark> LIW <mark>SEDLR</mark> VQDVRRLLQSAHPVRVNVVQYPEL	1056
Heterocephalus_glaber	VLSSDV <mark>PSGTETEEEDDGMNDMNHE</mark> VMSLIWSEDLRVQDVRRLLQSAH <mark>P</mark> VRVNVVQYPEL	1055
Xenopus_tropicalis	V <mark>PSPEVPP</mark> AADAEEEDDGMNDLNQEVMSLIWSEDLRVQEVRRLLQSSHPVRVNVVQMPEV	1062
	103010401050106010701080	
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Pavo_muticus	SDHDFIEEKENRLLQLCQRTMALPVGRGMFTLFSYHPIPAEQLPIPKLNLTGRAPPRNST	1122
Pavo_cristatus	SDHDFIEEKENRLLQLCQRTMALPVGRGMFTLFSYHPIPAEQLPIPKLNLTGRAPPRNST	1122
Gallus_gallus	SDHDFIEEKENRLLQLCQRTMALPVGRGMFTLFSYHPIPAEQLPIPKLNLTGRAPPRNST	1122
Chelonia_mydas	SDHEYIEEKENRLLQLCQRTMALPLGRGMFTLFSYHPVPTEPLPIPKLNLTGRAPPRNTT	1133
Mus_musculus	SDHEFIEEKENRLLQLCQRTMALPVGRGMFTLFSYHPVPTEPLPVPKLNLTGRAPPRNTT	1117
Rattus_norvegicus	SDHEFIEEKENRLLQLCQRTMALPVGRGMFTLFSYHPVPTEPLPIPKLNLTGRAPPRNTT SDHEFIEEKENRLLQLCQRTMALPVGRGMFTLFSYHPVPTEPLPIPKLNLTGRAPPRNTT	$\frac{1117}{1117}$
Homo_sapiens Macaca mulatta	SDHEFIEEKENKLLOLCORTMALPVGRGMFTLFSYHPVPTEPLPIPKLNLTGRAPPRNTT SDHEFIEEKENKLLOLCORTMALPVGRGMFTLFSYHPVPTEPLPIPKLNLTGRAPPRNTT	1121
Macaca_muiatta Callithrix_jacchus	SDHEFIEEKENRLLQLCQRTMALPVGRGMFTLFSTHPVPTEPLPIPKLNLTGRAPPRNTT SDHEFIEEKENRLLQLCQRTMALPVGRGMFTLFSYHPVPTEPLPIPKLNLTGRAPPRNTT	1121
Canis lupus familiaris	SDHEFIEEKENRLLQLCQRTMALPVGRGMFTLFSYHPVPTEPLPIPKLNLTGRAPPRNTT	1116
Bos_taurus	SDHEFIEEKENRLLQLCQRTMALPVGRGMFTLFSYHPVPTEPLPIPKLNLTGRAPPRNTT	1116
Heterocephalus glaber	SDHEFIEEKENRLLQLCQRTMALPVGRGMFTLFSYHPVPTEPLPIPKLNLTGRAPPRNTT	1115
Xenopus_tropicalis	SDHEFIEEKENRLLQLSQRTMALPVGRGMFTLFSYHPVPTEPLPIPKLNLTGRAPPRNTT	1122
Nellopus_cropicaris	109011001110112011301140	1122

Pavo muticus	VDLNSGNIDVPPNMACWASFHNGVAAGLKIAPASRIDSSWIIYNKPKNAEQANEYAGFLM	1182
Pavo cristatus	VDLNSGNIDVPPNMACWASFHNGVAAGLKIAPASRIDSSWIIYNKPKNAEQANEYAGFLM	1182
Gallus gallus	VDLNSGNIDVPPNMACWASFHNGVAAGLKIAPASRIDSSWIIYNKPKNAEQANEYAGFLM	1182
Chelonia_mydas	VDLNSGNIDVPPNMACWASFHNGVAAGLKIAPASQIDSAWIVYNKPKNAELANEYAGFLM	1193
Mus_musculus	V <mark>DLNSGNIDVPPNMAS</mark> WASFHNGVAAGL <mark>K</mark> IA <mark>P</mark> ASQIDSAWIVYNKPKHAELANEYAGFLM	1177
Rattus_norvegicus	V <mark>DLNSGNIDVPPNMASWASFHNG</mark> VAAGL <mark>K</mark> IA <mark>P</mark> ASQIDSAWIVYNKPKHAELANEYAGFLM	1177
Homo_sapiens	V <mark>DLNSGNIDVPPN</mark> MTSWASFHNGVAAGLKIA <mark>P</mark> ASQIDSAWIVYNKPKHAELANEYAGFLM	1177
Macaca_mulatta	V <mark>DLNSGNIDVPPN</mark> MTSWASFHNGVAAGLKIA <mark>P</mark> ASQIDSAWIVYNKPKHAELANEYAGFLM	1181
Callithrix_jacchus	V <mark>DLNSGNIDVPPN</mark> MTSWASFHNGVAAGLKIA <mark>P</mark> ASQIDSAWIVYNKPKHAELANEYAGFLM	1181
Canis_lupus_familiaris		1176
Bos_taurus	V <mark>DLNSGNIDVPPN</mark> MTSWASFHNGVAAGLKIAPASQIDSAWIVYNKPKHAELANEYAGFLM	1176
Heterocephalus_glaber	VDLNSGNIDVPPNMTSWASFHNGVAAGLKIAPASQIDSAWIVYNKPKHAELANEYAGFLM	1175
Xenopus_tropicalis	VDLNSGNIDVPPNMACWANFHNGVAAGLKIAPASQIDSAWIVYNKPKNAELANEYAGFLM	1182
	115011601170118011901200	

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Pavo muticus	ALGLSGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDMAITRLLSIHIPALLP	1242
Pavo cristatus	ALGLSGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDMAITRLLSIHIPALLP	1242
Gallus_gallus	ALGLSGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDMAITRLLSIHIPALLP	1242
Chelonia_mydas	ALGLNGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDMAITRLLSIHIPALLP	1253
		1237
Mus_musculus	ALGLNGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDMSITRLLSIHVPALLP	_
Rattus_norvegicus	ALGLNGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDMSITRLLSIHVPALLP	1237
Homo_sapiens	ALGLNGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDMSITRLLSIHIPALLP	1237
Macaca_mulatta	ALGLNGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDMSITRLLSIHIPALLP	1241
Callithrix_jacchus	ALGLNGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDMSITRLLSIHIPALLP	1241
Canis lupus familiaris	ALGLNGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDMSITRLLSIHIPALLP	1236
Bos taurus	ALGLNGHLTKLATLNIHDYLTKGHEMTSIGLLLGVAAAKLGTMDMSVTRLLSIHIPALLP	1236
Heterocephalus glaber	ALGLNGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDMSITRLLSIHVPALLP	1235
Xenopus_tropicalis	ALGLNGHLTKLATLNIHDYLTKGHEMTSIGLLLGVSAAKLGTMDISITRLLSIHIPALLP	1242
xenopus_cropicaris	121012201230124012501260	1444
	121012201230124012501260	

Pavo_muticus	PTSTELDVPHNVQVAAVIGIGLVYQGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	1302
Pavo cristatus	PTSTELDVPHNVQVAAVIGIGLVYQGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	1302
Gallus_gallus	PTSTELDVPHNVQVAAVIGIGLVYQGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	1302
Chelonia_mydas	PTSTELDVPHNVQVAAVIGIGLVYQGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	1313
Mus_musculus	PTSTELDVPHNVOVAAVVGIGLVYOGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	1297
		1297
Rattus_norvegicus	PTSTELDVPHNVQVAAVVGIGLVYQGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	
Homo_sapiens	PTSTELDVPHNVQVAAVVGIGLVYQGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	1297
Macaca_mulatta	PTSTELDVPHNVQVAAVVGIGLVYQGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	1301
Callithrix_jacchus	PTSTELDVPHNVQVAAVVGIGLVYQGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	1301
Canis_lupus_familiaris	PTSTELDVPHNVQVAAVVGIGLVYQGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	1296
Bos taurus	PTSTELDVPHNVQVAAVVGIGLVYQGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	1296
Heterocephalus glaber	PTSTELDVPHNVQVAAVVGIGLVYQGTAHRHTAEVLLAEIGRPPGPEMEYCTDRESYSLA	1295
Xenopus tropicalis	PTSTELDVPHNVQVAAVIGIGLVYQGTAHRHIAEVLLAEIGRPPGPEMEYCTDRESYSLA	1302
Memopub_cropredir	12701280129013101320	1302
	12701200125013101320	
	:**********************************	
Pavo_muticus	:*************************************	1362
Pavo_muticus Pavo_cristatus		1362 1362
Pavo_cristatus	S <mark>GLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT</mark> S <mark>GLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT</mark>	
Pavo_cristatus Gallus_gallus	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT	1362 1362
Pavo_cristatus Gallus_gallus Chelonia_mydas	S <mark>G</mark> LAL <mark>G</mark> MVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHKRFQAGMHREKHKSPSYQIKEGDT	1362 1362 1373
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHKRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT	1362 1362 1373 1357
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHKRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT	1362 1362 1373 1357
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHKRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT	1362 1362 1373 1357 1357
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHKRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT	1362 1362 1373 1357 1357 1357
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus	SCLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SCLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SCLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHKRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT	1362 1362 1373 1357 1357 1357 1361 1361
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHKRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT	1362 1362 1373 1357 1357 1357
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus	SCLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SCLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SCLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHKRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT	1362 1362 1373 1357 1357 1357 1361 1361
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	SCLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT	1362 1362 1373 1357 1357 1361 1361 1356 1356
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	SCLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT	1362 1362 1373 1357 1357 1361 1361 1356 1356
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	SCLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT	1362 1362 1373 1357 1357 1361 1361 1356 1356
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	SCLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT	1362 1362 1373 1357 1357 1361 1361 1356 1356
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	SCLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT	1362 1362 1373 1357 1357 1361 1361 1356 1356
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Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRFQAGTHREHKSHWATA	1362 1362 1373 1357 1357 1361 1361 1356 1355 1362
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREHLARCLILWD AGNATAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGA	1362 1362 1373 1357 1357 1361 1356 1355 1362 1422 1422 1422 1433
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRFQAGTHRERHKHRANGTHRA	1362 1362 1373 1357 1357 1361 1356 1355 1362 1422 1422 1422 1433 1417
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREXHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREXHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREXHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREXHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREXHKSHXATATATATATATATATATATATATATATATATATATAT	1362 1362 1373 1357 1357 1361 1356 1355 1362 1422 1422 1422 1433 1417
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGH	1362 1362 1373 1357 1357 1361 1356 1355 1362 1422 1422 1422 1433 1417 1417
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRELHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRELKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRELKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRELKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRELKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRELKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRELKKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRELKKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRELKKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRELKKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRELMKKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRFQAGTHRELMCHKKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRFQAGTHREKHKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRFQAGTHREKHKKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNV	1362 1362 1373 1357 1357 1361 1356 1355 1362 1422 1422 1422 1423 1417 1417 1417
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGHRRFQAGTHREHKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGHRRFQAGTHREHKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGHRFQAGTHREHLIGHTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLL	1362 1362 1373 1357 1357 1361 1356 1355 1362 1422 1422 1422 1433 1417 1417 1417 1421
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRFQAGTHRLHARCHILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLL	1362 1362 1373 1357 1357 1361 1356 1355 1362 1422 1422 1422 1433 1417 1417 1417 1421 1421
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRS	1362 1373 1357 1357 1357 1361 1356 1355 1362 1422 1422 1422 1422 1433 1417 1417 1417 1416 1416
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRFQAGTHRLHARCHILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLL	1362 1362 1373 1357 1357 1361 1356 1355 1362 1422 1422 1422 1433 1417 1417 1417 1421 1421
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGGGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRSIADWLRAPDTMYLLDFVKPEFLLLRTLARCLILWD INVDVTCPGATLALAMIYLKTNNRS	1362 1373 1357 1357 1357 1361 1356 1355 1362 1422 1422 1422 1422 1433 1417 1417 1417 1416 1416
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT SGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQTGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGMHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHRERHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREHKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREHKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREHKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGTHREHKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRRFQAGHREKHKSPSYQIKEGDT AGLALGMVCLGHGSNLIGMSDLNVPEQLYQYMVGGHRFQAGHREKHKSPSYQIKEGDT AGLALGMVCLGHGAGNAGNAGNAGNAGNAGHTANGAGNAGNAGNAGNAGNAGNAGNAGNAGNAGNAGNAGNA	1362 1373 1357 1357 1357 1361 1356 1355 1362 1422 1422 1422 1422 1421 1417 1417 141

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Pavo muticus	DIMPSTEWVDSNVPQIIRENSIPLHATELPSSEDLSLETLMQAHVYIIAGACLSLGFRFA	1482
Pavo cristatus	DIMPSTEWVDSNVPQIIRENSIPLHATELPSSEDLSLETLMQAHVYIIAGACLSLGFRFA	1482
Gallus_gallus	DIMPSTEWVDSNVPQIIRENSIPLHATELPSSEDLSLETLMQAHVYIIAGACLSLGFRFA	1482
Chelonia mydas	DILPNSKWVDSNVPQIIRENRISLHATELPSSEDLNLETLAQAHVYIIAGACLSLGFRFA	1493
Mus musculus	DILPNSKWVDSNVPQIIRENSISLSEIELPCSEDLNLETLSQAHVYIIAGACLSLGFRFA	1477
Rattus_norvegicus	DILPNSKWVDSNVPQIIRENSISLSEIELPCSEDLNLETLSQAHVYIIAGACLSLGFRFA	1477
Homo_sapiens	DILPNSKWVDSNVPQIIRENSISLSEIELPCSEDLNLETLSQAHVYIIAGACLSLGFRFA	1477
Macaca mulatta	DILPNSKWVDSNVPQIIRENSISLSEIELPCSEDLNLETLSQAHVYIIAGACLSLGFRFA	1481
Callithrix_jacchus	DILPNSKWVDSNVPQIIRENSISLSEIELPCSEDLNLETLSQAHVYIIAGACLSLGFRFA	1481
Canis lupus familiaris		1476
	DILPNSKWVDSNVPQIIRENSISLSEIELPCSEDLNLETLSQAHVYIIAGACLSLGFRFA	1476
Bos_taurus		1475
Heterocephalus_glaber	DILPNSKWVDSNVPQIIRENSISLSEIELPCSEDLNLETLSQAHVYIIAGACLSLGFRFA	1482
Xenopus_tropicalis	DILPNAQWVNSNVPQIITDNSISLNATEQPSSEDLNLETLAQAHVYIIAGACLALGFRFA	1482
	$\dots 1450 \dots 1460 \dots 1470 \dots 1480 \dots 1490 \dots 1500$	
	<u>*: * : * * * * * * * * * * * * * * * * </u>	
Pavo_muticus	<mark>GSEN</mark> KAAF <mark>NC</mark> LD <mark>K</mark> YATDFLKSLSA <mark>P</mark> TASII <mark>GHYNLETCLS</mark> VLLLSLAMVVA <mark>GSG</mark> NL <mark>K</mark> VLQ	1542
Pavo_cristatus	GSENKAAFNCLDKYATDFLKSLSAPTASIIGHYNLETCLSVLLLSLAMVVAGSGNLKVLQ	1542
Gallus_gallus	GSENKAAFNCLDKYATDFLKSLSAPTASIIGHYNLETCLSVLLLSLAMVVAGSGNLKVLQ	1542
Chelonia_mydas	GSENLAAFNCLFKFAKDFMKCLSAPTAS ITGHYNLETCLSVVLLSLAMVMAGSGNLKVLQ	1553
Mus_musculus	GSENLSAFSCLHKFAKDFMNYLSAPNASVTGPYNLETCLSVVLLSLAMVMAGSGNLKVLQ	1537
Rattus norvegicus	GSENLSAFNCLHKFAKDFMNYLSAPNASVTGPYNLETCLSVVLLSLAMVMAGSGNLKVLQ	1537
Homo sapiens	GSENLSAFNCLHKFAKDFMTYLSAPNASVTGPHNLETCLSVVLLSLAMVMAGSGNLKVLO	1537
Macaca_mulatta	GSENLSAFNCLHKFAKDFMTYLSAPNASVTGPYNLETCLSVVLLSLAMVMAGSGNLKVLQ	1541
Callithrix_jacchus	GSENLSAFNCLHKFAKDFMTYLSAPNASVTGPYNLETCLSVVLLSLAMVMAGSGNLKVLO	1541
Canis lupus familiaris	GSENLSAFNCLHKFAKDFMTYLSAPNASVTGPYNLETCLSVVLLSLAMVMAGSGNLKVLQ	1536
Bos taurus	GSENLSAFNCLHKFAKDFMTYLSAPNASVTGPYNLETCLSVVLLSLAMVMAGSGNLKVLQ	1536
Heterocephalus_glaber	GSENLSAFNCLHKFAKDFMTYLSAPNASITGPYNLETCLSVVLLSLAMVMAGSGNLKVLQ	1535
Xenopus tropicalis	GTANLSAFNCLCKFAKDFE-CLSAQAAGITGHYNLETCLSVVLLSLSMVMAGSGNLKVLQ	1541
xenopus_cropicaris	151015201530154015501560	TOTI
	151015201530154015301560	
_	***:* *********************************	
Pavo_muticus	L <mark>CR</mark> FMHK <mark>KTGGE</mark> MNYGFHLAHHMAL <mark>G</mark> LLFL <mark>GGGR</mark> YSLSTSNSSIAALL <mark>C</mark> ALYPHFPVHST	1602
Pavo_cristatus	L <mark>CR</mark> FMHK <mark>KTGGEMNYG</mark> FHLAHHMAL <mark>G</mark> LLFL <mark>GGGRYS</mark> LSTSNSSIAALLCALYPHFPVHST L <mark>CR</mark> FMHKKTGGEMNYGFHLAHHMAL <mark>G</mark> LLFL <mark>GGGRYS</mark> LSTSNSSIAALL <mark>C</mark> ALYPHFPVHST	1602
Pavo_cristatus Gallus_gallus	L <mark>CR</mark> FMHK <mark>KTGGEMNYG</mark> FHLAHHMAL <mark>G</mark> LLFL <mark>GGGRYS</mark> LSTSNSSIAALL <mark>CALYP</mark> HFPVHST L <mark>CRFMHKKTGGEMNYG</mark> FHLAHHMAL <mark>G</mark> LLFL <mark>GGGRYS</mark> LSTSNSSIAALL <mark>C</mark> ALYPHFPVHST L <mark>CRFMHKKTGGEMNYG</mark> FHLAHHMAL <mark>G</mark> LLFL <mark>GGGRYS</mark> LSTSNSSIAALL <mark>C</mark> ALYPHFPVHST	1602 1602
Pavo_cristatus Gallus_gallus Chelonia_mydas	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSDSSIAALLCALYPHFPVHSS	1602 1602 1613
Pavo_cristatus Gallus_gallus	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSDSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST	1602 1602 1613 1597
Pavo_cristatus Gallus_gallus Chelonia_mydas	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSDSSIAALLCALYPHFPVHSS	1602 1602 1613
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSDSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST	1602 1602 1613 1597
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSDSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST	1602 1602 1613 1597 1597
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSDSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST	1602 1602 1613 1597 1597
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSDSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST	1602 1602 1613 1597 1597 1597 1601
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST	1602 1602 1613 1597 1597 1601 1601
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST	1602 1602 1613 1597 1597 1601 1601 1596
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST	1602 1602 1613 1597 1597 1601 1601 1596 1596
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST	1602 1602 1613 1597 1597 1601 1601 1596
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST	1602 1602 1613 1597 1597 1601 1601 1596 1596
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST	1602 1602 1613 1597 1597 1601 1601 1596 1596
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSDSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST157015801590160016101620	1602 1602 1613 1597 1597 1601 1601 1596 1596
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST157015801590160016101620	1602 1602 1613 1597 1597 1601 1601 1596 1595 1601
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST157015801590160016101620	1602 1602 1613 1597 1597 1601 1601 1596 1595 1601
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST157015801590160016101620 ***********************************	1602 1602 1613 1597 1597 1601 1601 1596 1595 1601
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST157015801590160016101620 ***********************************	1602 1602 1613 1597 1597 1601 1596 1595 1601
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST157015801590160016101620 ***********************************	1602 1602 1613 1597 1597 1601 1596 1595 1601
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMYGFHANT LCRFLHMTGGEMYGFHANT LCRFLHMTGT LCRFLHMTGT LCRFLHMTGT LCRFLHMTGT LCRFLHMTG	1602 1602 1613 1597 1597 1601 1596 1595 1601 1662 1662 1662 1673 1657
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMYGHANALGLLFUNGHMANALGLANANANANANANANANANANANANANANANANAN	1602 1602 1613 1597 1597 1601 1596 1595 1601 1662 1662 1662 1673 1657
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKTTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFLHMKTTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALCALYPHFPAHST LCRFLHMKTTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFLHMKTTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFLHMKTTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTNSS IAALCALYPHFPAHST LCRFLHMKTTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTNSS IAALCALYPHFPA	1602 1602 1613 1597 1597 1601 1596 1595 1601 1662 1662 1662 1673 1657 1657
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPVHSS LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSS IAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGHANGT LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGHANGT LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGHANGT LCRFLHMKTGGEMN	1602 1602 1613 1597 1597 1601 1596 1595 1601 1662 1662 1673 1657 1657 1657
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFHHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFUHPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFUHPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFUHP	1602 1602 1613 1597 1597 1601 1596 1595 1601 1662 1662 1673 1657 1657 1661
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFHLMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFULFTHAMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGMNYGHAMALG	1602 1602 1613 1597 1597 1601 1596 1595 1601 1662 1662 1673 1657 1657 1661 1661 1656
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus	LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGENNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGENNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLYVUAADPRLLIPVDVDSNTPCYALLEVTFKGTQWYAETTEEMMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL	1602 1613 1597 1597 1601 1601 1596 1595 1601 1662 1662 1673 1657 1657 1661 1656 1656
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHLKYLAADPRLLIPVDVDDNTPCYALLEVTFKGTQWYAETTEEMMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVT	1602 1602 1613 1597 1597 1601 1596 1595 1601 1662 1662 1673 1657 1657 1661 1661 1656
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGENNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGENNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLYVUAADPRLLIPVDVDSNTPCYALLEVTFKGTQWYAETTEEMMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL	1602 1613 1597 1597 1601 1601 1596 1595 1601 1662 1662 1673 1657 1657 1661 1656 1656
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHST LCRFMHKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPVHSS LCRFLHMKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFLHMKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGEMNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHMKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHKKTGGENNYGFHLAHHMALGLLFLGGGRYSLSTSNSSIAALLCALYPHFPAHST LCRFHLKYLAADPRLLIPVDVDDNTPCYALLEVTFKGTQWYAETTEEMMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVTYKGTQWYEQTKEELMAPTLL DNRYHLQALRHLYVLAAEPRLLVPVDVDTNTPCYALLEVT	1602 1613 1597 1597 1601 1596 1596 1595 1601 1662 1662 1663 1657 1657 1656 1656 1656

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	:*:*********	
Pavo muticus	PELHLLKOIRVKGPRYWELLIDLSNETNHLKSILSKGGVLYVKLRAGOLSYKEDPMGWRS	1722
Pavo cristatus	PELHLLKOIRVKGPRYWELLIDLSNETNHLKSILSKGGVLYVKLRAGOLSYKEDPMGWRS	1722
Gallus_gallus	PELHLLKQIRVKGPRYWELLIDLSNETNHLKSILSKGGVLYVKLRAGQLSYKEDPMGWRS	1722
Chelonia_mydas	PELHLLKQIRVKGPRYWELLIDLSKGTHQLKSILSKDGILYVKLRAGQLSYKEDPMGWRS	1733
Mus_musculus	PELHLLKQMKVKGPRYWELLIDLSKGEQHLRSILSKDGVLYVKLRAGQLSYKEDPMGWQS	1717
Rattus_norvegicus	PELHLLKQMKVKGPRYWELLIDLSKGEQHLRSILSKDGVLYVKLRAGQLSYKEDPMGWQS	1717
Homo_sapiens	PELHLLKQIKVKGPRYWELLIDLSKGTQHLKSILSKDGVLYVKLRAGQLSYKEDPMGWQS	1717
Macaca mulatta	PELHLLKQIKVKGPRYWELLIDLSKGTQHLKSILSKDGVLYVKLRAGQLSYKEDPMGWQS	1721
Callithrix_jacchus	PELHLLKQIKVKGPRYWELLIDLSKGTQHLKSILSKDGVLYVKLRAGQLSYKEDPMGWQS	1721
Canis_lupus_familiaris	PELHLLKOIKVKGPRYWELLIDLSKGTOHLKSILSKDGVLYVKLRAGOLSYKEDPMGWOS	1716
Bos_taurus	PELHLLKQIKVKGPRYWELLIDLSKGTQHLKSILSKDGVLYVKLRAGQLSYKEDPMGWQS	1716
Heterocephalus_glaber	PELHLLKQIKVKGPRYWELLIDLSKGTQHLKSILSKDGVLYVKLRAGQLSYKEDPMGWQS	1715
Xenopus_tropicalis	PEFHLLRQIKVKGPRYWEIVIDLRKGTEHLKSILSKDGVLYVKLRAGQLSYKEDPMGWRS	1721
	$\dots 1690 \dots 1700 \dots 1710 \dots 1720 \dots 1730 \dots 1740$	
	. ** * * *** **. * * * * * * * *	
		1 501
Pavo_muticus	FSAQTITHGN-EARSFKPEDISAFTSDPALLLFAEYFCKPTVNMGQKQEMLDFFSSILYE	1781
Pavo_cristatus	FSAQTITHGN-EARSFKPEDISAFTSDPALLLFAEYFCKPTVNMGQKQEMLDFFSSILYE	1781
Gallus_gallus	FSAQTITHGN-EARSFKPEDISAFTSDPALLLFAEYFCKPTVNMGQKQEMLDFFSSILYE	1781
Chelonia_mydas	LLAQAVTHRNSETRTFKPETISAFTSDPALLSFADYFCKPAVNMGQKQEILDLFSSILYE	1793
Mus_musculus	LLAQTVANRNSEARAFKPETISSFTSDPALLSFAEYFCKPTVSMGPKQEILDLFSSILYE	1777
Rattus_norvegicus	LLAQTVANRNSEARAFKPETISSFTSDPALLSFAEYFCKPTVSMGQKQEILDLFSSILYE	1777
Homo_sapiens	LLAQTVANRNSEARAFKPETISAFTSDPALLSFAEYFCKPTVNMGQKQEILDLFSSVLYE	1777
Macaca_mulatta	LLAQTVANRNSEARAFKPETISAFTSDPALLSFADYFCKPTVNMGQKQEILDLFSSVLYE	1781
Callithrix_jacchus	LLAQTVANRNSEARAFKPETISAFTSDPALLSFAEYFCKPTVNMGQKQEILDLFSSVLYE	1781
Canis_lupus_familiaris	LLAOTVANRNSEARAFKPETISAFTSDPALLSFAEYFCKPTVNMGOKOEILDLFSSVLYE	1776
Bos taurus	LLAQTVANRNSEARAFKPETISTFTSDPALLSFAEYFCKPTVNVGQKQELLDLFSSVLYE	1776
Heterocephalus_glaber	LLAQTVANRNSEARAFKPETISAFTSDPALLSFAEYFCKPTVSMGQKQEILDLFSSVLYE	1775
		1781
Xenopus_tropicalis	LLAQAVTRRNSEVLTFKPEAISAFTSDPALLSFADYFCKSTTDMGQKQDILDLFSSILYE	1/81
	$\dots 1750 \dots 1760 \dots 1770 \dots 1780 \dots 1790 \dots 1800$	
	::*.********** * : ::* :* ****:**** * ***	
Pavo muticus		1841
Pavo_muticus	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG	1841
Pavo_cristatus	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG	1841
Pavo_cristatus Gallus_gallus	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG	1841 1841
Pavo_cristatus Gallus_gallus Chelonia_mydas	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG	1841 1841 1853
Pavo_cristatus Gallus_gallus	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQDRQHTYPKRG	1841 1841 1853 1837
Pavo_cristatus Gallus_gallus Chelonia_mydas	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG	1841 1841 1853
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQDRQHTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG	1841 1841 1853 1837
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQDRQHTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG	1841 1841 1853 1837 1837
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQDRQHTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG	1841 1841 1853 1837 1837 1837
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQDRQHTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG	1841 1841 1853 1837 1837 1841 1841
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQDRQHTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG	1841 1853 1837 1837 1837 1841 1841
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQDRQHTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAMRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAMRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG	1841 1853 1837 1837 1837 1841 1841 1836
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRILERKEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAMDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAMRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQANRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNQPNRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNQPNRG	1841 1853 1837 1837 1837 1841 1841
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRILERKEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAMDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAMRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQANRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNQPNRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNQPNRG	1841 1853 1837 1837 1837 1841 1841 1836
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNQPNRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNPNRG CVTQETPEMLPAYIAMDQAVRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG	1841 1843 1853 1837 1837 1841 1841 1836 1836
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRILERKEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAMDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAMRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQANRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNQPNRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNQPNRG	1841 1843 1853 1837 1837 1841 1841 1836 1836
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNQPNRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNPNRG CVTQETPEMLPAYIAMDQAVRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG	1841 1843 1853 1837 1837 1841 1841 1836 1836
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAMRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNQPNRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNQPNRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRAGLQERMKKNSNRG181018201830184018501860	1841 1843 1853 1837 1837 1841 1841 1836 1836
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQRTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQRTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNQPNRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNPNRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIANDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRGLQERMKKNSNRG181018201830184018501860	1841 1843 1853 1837 1837 1841 1841 1836 1835 1841
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFNSRCHQGRMSRNPSRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAMRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAWRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRGLQERMKKNSNRG181018201830184018501860 **:*********************************	1841 1843 1853 1837 1837 1841 1841 1836 1836
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFNSRCHQGRMSRNPSRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAMRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAWRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSDLWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRGLQERMKKNSNRG181018201830184018501860 **:*********************************	1841 1843 1853 1837 1837 1841 1841 1836 1835 1841
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Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFNSRCHQGRMSRNPNRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAMDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAGGDVCLRSYLSRQPKDESQQNMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDVCVHAYLSGQPVEKSQLNMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDMCVHAYLSGQPLEESQLSMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDMCVHAYLSGQPLEESQLSMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDTCVHAYLSGQPCEESKLSMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDTCVHAYLSGQPCE	1841 1853 1837 1837 1841 1841 1836 1835 1841 1901 1901 1913 1897 1897 1991 1896 1896 1896
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTRENPEMLPAYIAIDQAVRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPSRG CVTRENPEMLPAYIAIDQAVRLERGEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSNTSDLWQIKLILEFFSSRSHQERQQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIANDQAVRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIANDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIANDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIANDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIANDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIANDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIANDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIANDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIANDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIANDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIANDQAVRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIANDQAVRLERREMSETSELWQIKANLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDVCURAYLSGQPVERSQLSMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDWCVHAYLSGQPLEESQLSMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDWCVHAYLSGQPLEESQLSMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDWCVHAYLSGQPPCESSKLSMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDRCYHAYLSGQPCESSKLSMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDRCYHAYLSGQPCESS	1841 1853 1837 1837 1841 1841 1836 1835 1841 1901 1901 1913 1897 1897 1991 1896 1896
Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber Xenopus_tropicalis Pavo_muticus Pavo_cristatus Gallus_gallus Chelonia_mydas Mus_musculus Rattus_norvegicus Homo_sapiens Macaca_mulatta Callithrix_jacchus Canis_lupus_familiaris Bos_taurus Heterocephalus_glaber	CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTQEKPEMLPTYIAIDQAVRRLERGEMSETFELGQIKLVLEFFNSRCHQGRMSRNPNRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFNSRCHQGRMSRNPNRG CVTRENPEMLPAYIAIDQAVRILERKEMSETFELWQIKLVLEFFSSRSHQERARRNPNRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQTYPKRG CVAQETPEMLPAYIAMDQALRSLKKRDMSDTSDLWQIKLILEFFSSRSHQERQTYPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRREMSETSELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAIRRLGRRELSETCELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAIDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQENPEMLPAYIAMDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAVRRLERRETTETFELWQIKLVLEFFSSRSHQERLQNHPKRG CVTQETPEMLPAYIAMDQAGGDVCLRSYLSRQPKDESQQNMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDVCVHAYLSGQPVEKSQLNMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDMCVHAYLSGQPLEESQLSMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDMCVHAYLSGQPLEESQLSMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDTCVHAYLSGQPCEESKLSMLACFLVYHSVPAP LFMNSEFLPVVKCTIDNTLDQWLQAGGDTCVHAYLSGQPCE	1841 1853 1837 1837 1841 1841 1836 1835 1841 1901 1901 1913 1897 1897 1991 1896 1896 1896

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Pavo_muticus	GQ:	LAA	GGL	E G	ITI	1 F S	EM1	LL	KFI	CQ V	VN'	VLV	RAL	LR	LAI	PVL	LK	NΡĢ	SMVL	1948
Pavo_cristatus	GQ:	LAA	GGL	EG	ITI	1 <mark>F</mark> S	EM]	LLE	KFI	CQ V	NV	VLV	RAL	LR	LAI	PVL	LK	NΡĢ	SMVL	1948
Gallus_gallus	GQ:	LAA	GGL	DG	ITI	1 <mark>F</mark> S	EM]	LLE	KFI	CQ V	NV	VLV	RAL	LR	LAI	PVL	LK	NΡĢ	SMVL	1948
Chelonia_mydas	GQ:	LSA	GGL	EG	SV	FS	ELI	LLE	KFI	RI	K	MPV	RAL	LR	LAI	PLL]	LG	NΡÇ	SMVL	1960
Mus_musculus	RH	LPP	MGL	EG	STS	FA	ELI	LYI	RFI	RHI	K	MPV	RAL	LR	LAI	PVL	LG	NΡĢ	NVM <mark>q</mark>	1944
Rattus_norvegicus	RH	L <mark>PP</mark>	LGL	EG	STS	FA	ELI	LFE	RFI	RHI	K	MPV	RAL	LR	LAI	PVL	LG	NΡĢ	MVM <mark>q</mark> Ç	1944
Homo_sapiens	QH	L <mark>PP</mark>	IGL	EG	STS	FA	ELI	LFE	KFI	ζQΙ	K	MPV	RAL	LR	LAI	PLL]	LG	NΡĢ	MVM <mark>q</mark> Ç	1944
Macaca_mulatta	RH	L <mark>PP</mark>	IGL	EG	STS	FA	ELI	LFE	KFI	ζQΙ	K	MPV	RAL	LR	LAI	PLL]	LG	NΡĢ	MVM <mark>q</mark> Ç	1948
Callithrix_jacchus	RH	L <mark>PP</mark>	LGL	EG	STS	FA	ELI	LFE	KFF	ζQΙ	K	M <mark>P</mark> V	RAL	LR	LAI	PLL]	LG	NΡĢ	MVM <mark>q</mark>	1948
Canis_lupus_familiaris	WH	L <mark>P</mark> S	IGL	EG	STS	FA	ELI	LF	KFI	ζQΙ	K	MPV	RAL	LR	LAI	PLL]	LG	NΡĢ	MVM <mark>q</mark> Ç	1943
Bos_taurus	QH	L <mark>P</mark> S	IGL	EG	STS	FA	ELI	LFE	KFI	ζQΙ	K	MPV	RAL	LR	LAI	PLL]	LG	NΡĢ	MVM <mark>q</mark> Ç	1943
<pre>Heterocephalus_glaber</pre>	RH	L <mark>PP</mark>	LGL	EG	STS	FA	ELI	LFE	KFI	ζQΙ	K	MPV	RAL	LR	LAI	PLL]	LG	NΡĢ	MVM <mark>q</mark> Ç	1942
Xenopus_tropicalis	KQ	LSE	GGL	QG	SES	FS	ELI	LLE	KFI	(DI	K	MPV	RAL	LR	LAI	PIL	LG	NΡĢ	SMVL	1948
	• •		.19	30	• •		.19	94(ο			.19	50.			.19	60	• •		