

>NP_003812.1_Homo_sapiens

MNG-----EAICSAIPTIPYHKLADLRYLSRGASGTVSSARHADWRVQVAVKHLH
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TEYPDVAWPLRFRILHEIALGVNYLHNMTPLHDLKTQNILLDNEFHVKIADFGLSKW
RMMSLSQSRSSKSAPEGGTIIYMPENYEPGQKSRASIKHDIYSYAVITWEVLSRKQPFE
DVTNPLQIMYSVSQGHRPVINEESLPYDIPHRARMISLIESGWAQNPDERPSFLKCLIEL
EPVLRTFEEITFLEAVIQLKKTQLQSVSSAIHLCDKKK--MELSLNIPV--NHGPQEESC
GSS----QLHENSGSPETSRLPAPQDNDFLSRKAQ-----
-----DCYFMKLHHCPGNHSWDSTISGSQRAAFCD
HKT-T---PCSS--AII-----NPLSTAGNSERLQPGIAQQWIQSK**REDIV**
NQMTEACLNQSLDALLSRDLIMKEDYELVSTKPT**RTSKVR**QLLDTTDIQGEFAKIVIVQK
LKDNKQMLQPYPEILVVSRSPLNLLQNKSM

>RIP2-gallus

MSGGAG--G--DRAGAISSALPAIPSSKLPDLRFLSRGAYGTVSAARHADWRVPVALKCL--
--QGPLLDSDRNHLLKEAEILHKARFSYILPILGICNEPDLGIVTEYMANGSLNQLLHGK
DMYPDIAWCLRYRILYEIALGVNYLHNMPPLHDLKTQNILLDDEFHVKIADFGMSKW
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EVINPLQIMYSVSQGHRLDLSETSLMDIPHRALVIRLIESGWAQNPDERPSFLKCLIDL
EPVLRTFDEIAILEAVILLKRKSKYESPCIHKSGKKAIVEKTPLNIPL--N--PQET--
SASIHCDALPLRSVSPDISRLKSLPQCNISS--GTA-----GEKAEK-----
----T-----I--GFTAVK--QSIKKCADGDSGG--LNSLSCQSADENLSVTQSAKPFV
HPY--S----YLPSSDKNISVASNSSCMLQTSPISDFVLETIQQNVAHQWIQSK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIVQK
LKDNKQLGLQPYPDIV--PNSLRL-----HL

>XP_015711414.1_Coturnix_japonica

MSGGEG--G--GRADAISSALPAISSKLPDLRFLSRGAYGTVSAARHADWRVPVALKCL--
--QGPLLDSDRNHLLKEAEILHKARFSYILPILGICNEPDLGIVTEYMANGSLNQLLHGK
DMYPDIAWCLRYRILYEIALGVNYLHNMPPLHDLKTQNILLDDEFHVKIADFGMSKW
RVISMSQSRSETSLPEGGTIVYMPPELYNPSQKTRASVKHDIYSFAIIWEVMSRKHPFE
EVINPLQIMYSVSQGRDLSEKSLMDIPHRALVIRLIESGWAQNPDERPSFLKCLIDL
EPVLRTFDEIAILEAVILLKRKSKYESRYIHKSGNKVFVEKSSLNIPV--N--PQET--
SASIHCDALPLRSISPDISRLKSLPQCNISS-----
-----DADSGA--PHSLSCQTVDENLSVTQSAKPFV
HPC--G----CLSSDKNISVSSHSSCMLQTSPISDFVLETIQQNVAHQWICK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIVQK
LKDNKQLGLQPYPDIV--SNSLRL-----HL

>KF074077.1_Cuculus_canorus

MSGGDG--G--SRAGTISYALPSIPSSKLPDLRFISRGAYGTVSAARHADWRVPVALKCL--
--QGPLLDSDRNHLLKEAEILHKARFRYILPILGICNESEFLGIVTEYMTNGSLNQLLHGK
DVYPDAWCLRFRILYEIALGVNYLHNMPPLHDLKTQNILLDDEFHVKIADFGMSKW
RVISMSQSRSETSLPEGGTIIYMPPELYNPSQKTRASVKHDIYSFAIIMWEVMSRKQPFE
EVINPLQIMYSVSQGRDLSEESLSVDVPHRALIRLIESGWAQNPDERPSFLKCLIDL
EPVLRTFEEDMLEAVILLKRKSLYESRCLYNSEKKADVEQISLNIPL--N--SQEETY
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---EH-----R--SNTTLF--FFYFFFKDGNSSG--VDPLSSLSTDENISVSQSAKLLV

HPH-R----YFPSSDKNISGASNAASCVLRSSPTPSDFVLETIQQNVAHQWIQSK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARII IQK
LKDNKQLGLQPYPDVV--SNSLRL-----HL

>XP_005150905.1_Melopsittacus_undulatus

MSGSD--G-GGAGAISYALPSISSNKLPLDLRFISRGAYGTVSAARHADWRVPVALKCL--
-QGPLLDSDRNHLLKEAEILHKARFSYILPILGICNEPEFLGIVTEYMTNGSLNQLLHGK
DLYPDIPWCLRFRILEYEIALGVNYLHNMNPPLHHDLKTQNILLDDEFHVKIADFGMSKW
RVISMSQSRSETSLPEGGTIIYMPPEYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEESLSMDIPHRVII IKLIESGWAQNPDERPSFLKCLIDL
EPVLRFTDEIAMLEAVILLKRSKSLYESQCIYKSGKQADAEQMSLNIPL--N--PHEETY
SGSIQCDALPLRSISPDISRLKSVPKCNILSS-----

-----GGSSGD-LQSLSSQSTDENISVTQSAKLLV
HPY-S----YSPSSDKSISDARNPASCMLRSSPVPSAFVLETIQQNVAHQWIQSK**REEII**
DQMTEACLNQSLDALLARFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARII IQK
LKDNKQLGLQPYPDIV--PNSLRL-----HL

>XP_010181516.1_Mesitornis_unicolor

MSGEDG--G-GRAGAICYALPSIPSNKLPLDLRFISRGAYGTVSTARHADWRVPVALKCL--
-QGPLLDSDRNHLLKEAEILHKARFSYILPILGICNEPEFLGIVTEYMTNGSLNQLLHGK
DVYPDIPWCLRFRILEYEIALGVNYLHNMNPPLHHDLKTQNILLDDEFHVKIADFGMSKW
RVISMSQSRSETSLPEGGTIIYMPPEYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEESLSMEIPHRALII RLIGSGWAQNPDERPSFLKCLIDL
EPVLRFTDEIAMLEAVILLKRSKSQYESRCIYKSRNKADVEQISLNIPL--N--PQEETY
SASIQCDALPLRSISPDISLKSVPKCNILST-----

-----DANS GD-LHSLSSQSTDENMSVTQSAKLLV
HSC-S----YFPSSDKSISDASNSSPCMLRSSPVPSDFVLETMQQNIAHQWIQSK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARII IQK
LKDNKQLGLQPYPNIV--SNSLRL-----HL

>XP_014820946.1_Calidris_pugnax

MSGGGA--EEIRAGSISYSLPSIPSNKLPLDLRFISRGVYGTVSSARHADWRVPVALKCL--
-QGPLVDSHREYLLKEAEILHKARFSYILPILGICNEPEFLGIVTEYMTNGSLNQLLHGK
DVYPDLPWCLRFRILEYEIALGVNYLHNMNPPLHHDLKTQNILLDDEFHVKIADFGMSKW
RVISMSQSRSETSLPEGGTIIYMPPEYHPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
EVINFWQIMYSVSQGGRLDLSEESLSMDIPHRDLII KLIGSGWAQNPDERPSFLKCLIDL
EPVLRFTDEIAMLEAVLLLKRSKSLYESRCIYKSGKTDVEQISLNIPL--N--PQEETY
SGSLQCEALPLRSISPDMSRLKSIPKCNILSS-GTSAVKTDETIDFTALKQG-----

----I-----K--KC-AEVLQTWRYSGRGENSEG-LESLSSQSTDENISVTQSAKPLM
QTY-S----NFPSSGKSVSDASNSASCVRQSSPIPSDLVLETIQHNIAHQWIQSK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFAKII IQK
LKDNKQLGLQPYPDIV--SNSLRL-----HL

>XP_014726238.1_Sturnus_vulgaris

MSGGDG--GRGRAGALSYGLPSIPSSKLPLDLRFISRGAYGTVSAARHADWRVPVALKCL--
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DIYDPDIPWCLRFRILEYEIALGVNYLHNMNPPLHHDLKTQNILLDDEFHVKIADFGMSKW
RVISMSQSRSESSLPEGGTIIYMPPEYNPSQKTRASVKHDIYSYAVII WEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEGLSMDIPHRGLII RLMESGWAQNPDERPSFLKCIIDL

EPVLRTFDEIAVLEAVILLKRSKSLYESQSIYRSGKKANVEQISLNIPL--N--PEKPTY
 SSSIQCDA LPLRSISPDISKFKSIPQYNILSS-----
 -----DGNSGC-LHSLSSQSTDGNLSVTQSAKLLV
 HPY-S----TVLSSDKSISDASGSASHVLRSSPIPSDFVLETTQQNVAHQWISKREQII
 DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARIIVQK
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 >XP_017681969.1_Lepidothrix_coronata
 MSSGDG--GEGRAGAISYALPSIPSNKLPDLRFISRGAYGTVSAARHADWRVPVALKCL--
 -QGPLLDSDRNHLLKEAEILHKARFSYILPILGICNEPEFLGIVTEYMTNGSLNQLLHGK
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 RVISMSQSRSESSLPEGGTIIYMPPE DYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
 EVINPLQIMYSVSQGGRLDLSEESLSMDIPHRVLIIRLMESGWAQNPDERPSFLKCLIDI
 EPVLRTFDEIAMLEAVILLKRSKSLYESQGIYKSAKKANVEQISLNIPL--N--PQKETY
 SGSIQCDA LPLRSISPDISKLSIPQCNILSS-----
 -----DGNSGC-LYSLSSQSMDDNISVTQSAKLLV
 HPCTS----NVPSSDRSISDASKSASCILQSPLIPSDVLETTQQNVAHQWISK**REEII**
 DQMTEACLNQSLDALLARFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARIIVQK
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 >KQK75542.1_Amazona_aestiva
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 RVISMSQSRSETSLPEGGTIIYMPPE DYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
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 EPVLRTFDEIAMLEAVILLKRSKSLYESRCIYKSGKQADAEQISLNIPL--N--PHEETY
 SGSIQCDA LPLRSISPDISRLKSAPKCNVLSS-----
 -----DGSSGG-VXSLSSQSTDENISVTQSAKLLV
 HPX-S----CSPSSDKNISDATNPASCILRSPVPFAFLLETTQQNVAHQWISK**REEII**
 DQMTEACLNQSLDALLARFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARII IQK
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 >XP_005042333.1_Ficedula_albicollis
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 EPVLRTFDEIALLEAVILLKRSKSLYESQSIYKSGKKANMEQMSLNIPL--N--SEKPTY
 SSSIQCDA LPLRSIPDTSKFKSIPQCNILSS-----
 -----DGNSGC-LHSLSSQSM DGNLSVTQSAKLLV
 HPY-G----TVLSSDKSNSDASSASCVLRSPIPSDFVLETTQQNVAHQWISK**REQII**
 DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARII IQK
 LKDNKQLGLQPYPDIV--SNSQRL-----HL
 >XP_005479583.1_Zonotrichia_albicollis
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DVYPDIPWCLRFRILEYEIALGVNYLHNMNPPLLHHD LKTQNILLDDEFHVKIADFGMSKW
RVISTSQSRSESSLPEGGTIVYMPPE DYNPSLKTASVKHDIYSYAVIIWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEGLSMDIPHRGLIIRLMESGWAQNPDERPSFLKCLIDL
EPVLRFTFDEIAMLEAVLLLKRKSLYESQSIYKSGKKGNVEQIPLNIPL--N--PEKPTY
SSSIECDPLPLRSIPPDTSKFKSIPQCNI LSS-----

-----DGNSGC-LHSLSSQSTDENLSVTQSAKLLV
HPY-S----AGLSPARGISDAPSSASHVLRSSPIPPDFVLETMQKNVAHQW IQSK**REEII**
DQMTEACLNQSLDALLSRFLLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARIIVQK
LKDNKQLGLQPYPDIV--SNSQRL-----HL

>XP_005517100.1_Pseudopodoces_humilis

MSGGDA--GGGRTGTLSYGLPSIPSSKLPDLRFISRGAYGTVSAARHADWRVPVALKCL--
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DVYPNIPWCLRFRILEYEIALGVNYLHNMNPPLLHHD LKTQNILLDDEFH IKIADFGMSKW
RVISMSQSRSESSLPEGGTIIYMPPE DYNPSQKHRASVKHDIYSYAVIMWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEGLSMDIPHRGLIIRLMESGWAQNPDERPSFLKCLIDL
EPVLRFTFDEIAMLEAVILLKRKSLYESQSIYKSGKKANVEQISLNIPL--N--PEKPMY
YSSIQC DALPLRSISPDTSKFKSIPQCNI LSS-----

-----DGDSGC-LHSLSSQSM DGNLSVTQSARPLV
HPN-S----TVLSSDKNISEASSSASSVLTSSPIPSDFVLETIQQNV AHQW IQSK**REEII**
DQMTEACLNQSLDALLSRFLLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARVIVQK
LKDNKQLGLQPYPDIV--SNSQRL-----HL

>KFP59105.1_Cathartes_aura

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RVISMSQSRSETSLPEGGTIIYMPPE DYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEESLSMDIPHRVLIIRLIRSGWAQNPDERPSFLTCLIDL
EPVLRFTFDEIAMLEAVILLKRKSLYESRCIYKSRKKADVEQISLNIPL--N--PQEETY
SGSIQC DALPLRSISPDISRLKSVPKCNILSS--GSFIMENKTDILLT LSKLD-----
--AI-----V--SC-DDLFP GSCWQEMNGNSGG-LHSLSSQSTDENISVTQSAKLLV
HPY-S----YSPSSDKSISDASNSASCM LRSPIPSDFVLETIQQNV AHQW IQSK**REEII**
DQMTEACLNQSLDALLSRFLLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARI IQK
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>EOA94323.1_Anas_platyrhynchos

-----SDRNHLLKEAEILHKARFSYILPILGICNEPEFLGIVTEYMTNGSLNELLHGK
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RVISMSQSRSETSLPEGGTIIYMPPE DYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEESLSMDIPHRA FVIRLIVSGWAQNPDERPSFLKCLIDL
EPVLRFTFDEIAMLEAVILLKRKSRYESQCIHKSGKKT DVEKTS LNIPL--N--PQEETG
SASIHCDALPLRSISPDISRLKSIPKYNILSS--GAA-----SH-----
-----FMTCFCTDGD SGS-LHSLSCQSVDENLSVTQSAKLFV
HPY-S----YLPSSDKSISVPSNSSSSV LRTSPIPSDFVLETMQQNV AHQW IQSK**REEII**
DQMTEACLNQSLDALLSRFLLMKEDYELISTKPT**RTSKVR**QLLDTSDSHGEEFSRI IQK
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>KFP60755.1_Cariama_cristata

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RVISMSQSRSETSLPEGGTIIYMPPELYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEESLSMDIPHRVVIIRLIGSGWAQNPDERPSFLKCLIDL
EPVLRFTDEIAMLEAVILLKRSKSLYESRCIYKSGKQADVEQISLNIPL--N--PQEETY
SGSIQCDALPLRSISPDGARLKSVPKCNILST--GRY-----THGFVKLD-----
---FC-----L--CQKRDV--FCKFSTLDGNSGG--LHSLSSQSTDENISVTQSAKLLV
HPY--S---YFPSSDKSISDASNSASCMRSPVPSPDFVLETIQQNVAHQWISK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIVQK
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>KFQ90254.1_Phoenicopterus_ruber

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RVISMSQSRSETSLPEGGTIIYMPPELYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEESLSMDIPHRVLIIRLIGSGWAQNPDERPSFLKCLIDL
EPVLRFTDEIVMLEAVILLKRSKSLYESRCIYKSGKKADVEQISLNIPL--N--PQEEAY
SASIQCDALPLRSISPDISRLKSVPKCNILSS--GRD-----THDFVKLD-----
---HR-----L--CQKGDV--FCKLSALDGNSGG--QHSLSSQSTDENISVTQSAKLLV
HPY--S---YFPSSDKSISEASNSASYMLRSPVPSPDFVLETIQQNVAHQWISK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIIQK
LKDNKQLGLQPYPDIV--SNSLRL-----HL

>KFQ63971.1_Pelecanus_crispus

-----SDRSHLLKEAEILHKARFSYILPILGICNEPEFLGIVTEYMTNGSLNQLLHGK
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RVISMSQSRNETSLPEGGTIIYMPPELYNPSQKTRASVKHDIYSYAIIMWEVMARKQPFE
EVINPLQIMYSVSQGGRLDLSEESLSMDIPHRVLVIRLIGSGWAQNPDERPSFLKCLIDL
EPVLRFTDEIAMLEAVILLKRSKSLYESRCIYKSGKKADVEQIALNIPL--N--PQEETY
SGSIQCDALPLRSISPDISRLKSVPKCNILSS--ESL-----NLMFLQLN-----
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HPY--S---YCPSSDKSISDASNSASCMRSPPTSPDFVLETIQQNVAHQWISK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIIQK
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>KFM04929.1_Aptenodytes_forsteri

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RVISMSQSRSETSLPEGGTIIYMPPELYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEESLSMDIPHRVLIIRLIGSGWAQNPDERPSFLKCLIDL
EPVLRFTDEIAMLEAVILLKRSKSLYESRCIYKSGKKADVEQISLNIPL--N--PQEETY
SGSIQCDALPLRSISPDISRLKSVPKCNILSS--GSFIMESKTDILLSLPKLD-----
---AI-----V--SG--ENLFPGSCWQEMNGNSGG--LHSLSSQSTDENISVTQSAKLLV

DPY-S----YFPSSDKSISDASNSASCMLRSSPIPSDFVLETVQQNVAHQWISK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARI IQK
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>KFQ74688.1_Phaethon_lepturus

-----SDRNHLLKEAEILHKARFSYILPILGICNEPEFLGIVTEYMTNGSLNQLLHGK
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RVISMSQSRSETSLPEGGTIIYMPPELYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEESLSVDIPHRVLIIRLIGSGWAQNPDERPSFSKCLIDL
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SASIQCDALPLRSISPDISRLKSVPKCINILSS-VSD-----GCILFEHG-----
---SN-----I--TC-FFF--FFAFFLDGNSGG-LHSLSSQSM DENISVTQS AKLLV
HPY-S----HFPSSDKSISDASNSASCMLRSSPIPSDFVLETIQQNVAHQWISK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARI IQK
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>KFQ07057.1_Haliaeetus_albicilla

-----SDRKHLLKEAEILHKARFSYVLPILGICNEPEFLGIVTEYMTNGSLNQLLHGK
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RVISMSQSRSETSLPEGGTIIYMPPELYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEESLSMDIPHRVLIIRLIGSGWAQNPDERPSFLKCLIDL
EPVLRFTDEIAMLEAVILLKRSKSLYESRCICKSGKKADVEQISLNIPL--N--PQEETY
SGSIQCDALPLRSMSPDVSRLKSVPKCINILSS-ELY-----LT-YIRIL-----
---FF-----L--SH-KIL--HCRIIYLDGNSGV-LHSLSSQSTDENISVTQS AKLLE
HPY-S----YFPSSDKSISGASNSASCMLRSSPIPSDFVLETIQQNVAHQWISK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARI IQK
LKDNKQLGLQPYPDIV--SNSRL-----HL
>KFW05819.1_Eurypyga_helias

-----SDRNHLLKEAEILHKARFTYILPILGICNEPEFLGIVTEYMTNGSLNQLLHGR
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RVISMSQSRSETSLPEGGTIIYMPPELYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
EVINPLQIMYSVSQGGRLDLSEESLSMDIPHRELIIRLIESGWAQDPDERPSFLKCLIDL
EPVLRFTFEEIAMLEAVILLKRSKSLYESRCIYKSGKRADVKQISLNIPL--N--PQEETC
SASIQCDALPLRSISPDISRLKSVSRCINILSS-ACF-----FFFFPP-----
-----PS--LPFLFFKDGNSGG-LQSLSSQSM DENISVTQS AKLLV
HPY-S----YFPSSDKSISDASNSASCMLRSSPVPSDFVLETIHQNVAHQWISK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARI IQK
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>KFW67401.1_Pygoscelis_adeliae

-----SDRNHLLKEAEILHQARFTYILPILGICNEPEFLGLVTEYMTNGSLNQLLHGK
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RVISMSQSRSETSLPEGGTIIYMPPELYNPSQKTRASVKHDIYSYAIIMWEVMSRKQPFE
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---F-----HFYYSSLLGQLDGNSGS-LHSLSSQSTDENISVTQSAKLLV
DPY-S---YLPSSDKSISNASNSASCMRSPSPDFVLETVQQNVAHQWIIQSK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIQK
LKDNKQLGLQPYPDIV--SHSLRL-----HL
>KFU96217.1_Chaetura_pelagica

-----SDRNHLLKEAEILHKARFSYILPILGICNEPEFLGIVTEYMTNGSLNQLLHGK
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EPVLRTFDEIAMLEAVILLKRSKSQYESQCIYKSGKKTQVQISLNIPL--N--PQEETC
SASIQCDALPLRSISPDVSTFKSVKPCNILSS-GGS-----LFM-P-----
-----KRDV--FCKISALDGDSEV-LHSLSSQSTDENTSITQSAKLIV
HPY-S---SFPSSDKCISDASNSASYMLRSPVPSPDFASETIQQNVAHQWIIQSK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIQK
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>KFR17723.1_Opisthocomus_hoazin

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EVINPLQIMYSVSQGGRLDLSGESLMDIPHRALIIRLIGNGWAQNPDERPSFLKCLIDL
EPVLRTFDEIAMLEAVILLKRSKSLYESQCIYKSGKKAGVEQVSLNIPL--N--SQEETY
SGSLQCDALPLRSISSGTSRLQSVKPCNILSS-D-----ILLTLPKLD-----
---AI-----I--SV-ENLFPGRCWQEMNGNSGS-LHSLSSQSTDENISVTQSAKLLM
HPY-S---YFPSSDKSISDTSNSSPCMLRSPPIPADFALETIQHNVAHQWIIQSK**REEII**
DQMTEACLNQSLDALLARFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIQK
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>KFR01688.1_Nipponia_nippon

-----SDRNHLLKEAEILHKARFSYILPILGICNEPEFLGIVTEYMTNGSLNQLLHGK
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SGSIQCDALPLRSISPDISRLKSIPTCNILSS-ESL-----DFIFLLN-----
---F-----HFYYSSLLGQLDGNSGS--HSLSSQSMDENISVTQGAKLLV
HPY-S---YCPSPNKSISDASNSASCMRSPSPDFVLETVQQNVAHQWIIQSK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIQK
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>KFP01549.1_Calypte_anna

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EPVLRFTFDEIAMLEAVLLKRSKSLYESRCIYKIGKKADVQQISLNIPL--N--PQEETC
SASIQCDAPLRSISPVISRFKSVSKSNILSS-SRD-----NV-YTRFL-----
---FF-----L--SQ-EIL--HYRISCLDGNSEG-LHSLSNQSTDENTSVTQSARLLG
HPY-S----SLPSSDKCISNASNSASCGLPSSPLPSDFLLETIQQNAHQWIQSK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARIIQK
LKDNKQLGLQPYPDVI--PNSLKL-----HL
>KFP88042.1_Acanthisitta_chloris

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SGSIQCDALPLRSISPDISKIKSVPCNILSP-GEI-----LLILYKFKLLWLTP
VVTFHFLSRKLGL--SQKIDV--LCKLSALDGSSVG-LHSLSSQSTDENISVTQSAKLLV
HPY-S----NAPSSDKSISDASNSASCMLQSSPIPADFILETIQQNVAHQWIQSK**REEII**
DQMTEACLNQSLDALLSRYLKMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARIIQK
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>KF087475.1_Buceros_rhinoceros_silvestris

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LGSIQCDALPLRSISPEISRPKSVSKCNILSS-DVL-----LT-LPKLH-----
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HPY-G----YFPSSDKSISDGSNSASCMLRSSPTPSDFVLETLQQNVAHQWIQSR**REEII**
DQMTEACLNQSLDALLARFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARIIQK
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>KFP33539.1_Colius_striatus

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SGSVQCDALPLRSISPDMSRVKSICKCNILSS-ANW-----VFFC-----
-----FFFIFEDVNSGC-LHSLSSQSMDENISVTQRAKLLG
HPY-G----CFHSSDKSSSDASSAPCRLQSSPIPSDFVLETLQQNVAHQWIQSK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARIIQK
LKDNKQLGLQPYPDIV--SNSLTL-----HL

>KF057232.1_Corvus_brachyrhynchos

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SSSIQCDALPLRSISPDISKLKSIPQCNISS-GEI-----LLIFRKL-----
---HS-----M--SE-RNV--FCKLCALDGNSSG-LHSLSSQSTDGNLSVTQSAKVLV
HPY-S---TVLSSDKSISDASSSSSVLRSSPIPSDFVLETVQQNVAHQWISK**REEII**
DQMTEACLNQSLDALLSRYLLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIVQK
LKDNKQLGLQPYPDIV--SNSQRL-----HL

>XP_010403308.1_Corvus_cornix

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EPVLRFTFDEIAMLEAVILLRRSKSVYESQCIYKSGKKANMEQISLNIPL--N--PDKPAY
SSSIQCDALPLRSISPDISKLKSIPQCNISS-----
-----DGNSGC-LHSLSSQSTDGNLSVTQSAKVLV
HPY-S---TVLSSDKSISDASSSSSVLRSSPIPSDFVLETVQQNVAHQWISK**REEII**
DQMTEACLNQSLDALLSRYLLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIVQK
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>KF013799.1_Balearica_regulorum

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SGSIQCDALPLRSISPDSRLKSVPKCNILSS-DEI-----DFTAMKEG-----
---I-----K--KC-AEVLQNCRYSGRDGNSGG-LHSLSTQSMDENISVTQSAKLLV
HPY-S---YFPSSDKSISDASNSASCMLRSSPIPSDFVLETIQQNIAHQWISK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEFARIIVQK
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>KFV81187.1_Struthio_camelus_australis

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EPVLRFTFDEIAMLEAVILLKRKLLYESQCIHKSGKKTHADQTSNIPLNLN--PQEEH
SVSIQYDALPLRSIPPDVSTFKSAPKYNILSS-GI-----LLTLPKLD-----
---AV-----V--PA-ENLFLGGCWQEMNGNSGD-LHSSSSQSMDENFSVTQSAKLLV

HPY-S----SSASSDKSISSASN-----LRSSPIPSDFVLETIQHNVAHQWIIQSK**REEII**
DQMTEACLNQSLDALLSRFLMKEDYELISTKPT**RTSKVR**QLLDTSDSQGEEFARII IQK
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EPVLRFTDEIAMLEAVILLKRSKSLYESRCIHKSGKKTADQTFLNIPL--NPNPQEEMH
SASIQYDGLPLQSIPPDVSTYKSVPKYNILSS-GRD-----IHDFIS-----
-----INSFFLDGNSGD-LHSLSNQSMDENISVTQSAKLLV
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>KFZ59450.1_Podiceps_cristatus

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>KFQ47898.1_Nestor_notabilis

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SGSIQCDALPLRSISPDISRLKSVPKCNIFSS-GRD-----THNFVNTA-----
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HPY-S----CFPSSDKSNSDASNSAPCMLRSSPIPSDFVLETVQQNIAHQWIIQSK**REEII**
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>KFV95703.1_Fulmarus_glacialis

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HPY-S----YFPSSDQSDASNSASCMLRSSPIPSDFVLETIQQNVAHQWISK**REEII**
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LKDNKQLGLRPYPDIV--SNSLKL-----HV