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>Cau_LOC113046661

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>San_LOC107692056

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ALVARGFFRSWEME I

>San_LOC107660863

MELSAIGE QVFAVESI IKKRVKRGHVEYLLKWKGWPPKYSTWEPEEHILDPRVLVLYEEKEE RERSVRWRKRGPKPKR
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>San_Cbx8 (Gene ID: 107701205)

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STDAFTLAPKKRGRPKLRFDTGYTSSLHPEHLKRAAETMASIPSKMAKLGLGEEEEERCSEISGRIKISHKHMDATY
SHKQNRVVP SRSTQHSPEWSLHSSRV SADLQGRNNPQTSFHFKHLKYH SKRRTFEHADSTSRHPSLIAKIPVSRI
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>San_LOC107669528

MELSAVGER VFAAESI IKRRIRGRMEYLVKWKGWSPKYSTWEPEENILDSRLFVAFEEERERE IFGPKKRGPKLKT
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STDAFTLTPKKRGRPKLRFDTGYTSSLHPEHSKRAAETMASIPSKMAKLGLGEEEEERCSEISGRIKISHKHMDATY

SHKQNRVVPPEWSLHSSSVSADLQGHRTNPQTSHFHHKHLKHYSKRRTFERGDSTSRQPSLIAKIPVSRIIFGEPEEGDA
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>San_LOC107670683

MELSAVGERVFAAESIIKRRIRRGMEYLVKWKGSQKYSTWEPEENILDERLFAAFEEREREREMYGPKKRGPKPET
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>San_LOC107689994

MELSAVGERVFAAESIIKRRIRRGMEYLVKWKGSQKYSTWEPEENILDERLFAAFEEREREREMYGPKKRGPKPET
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>San_LOC107661146*

MECCSCAPPTRHPQGGTGRPSQEVRSRLHPRTMGLALHKRPSAPVQEVESQAGCPRGERDQEEAVNESPPPIIV
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RSEVVF

>San_LOC107669533*

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>Cva_LOC107089316

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>Cva_LOC107082907

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>Cva_Cbx4 (Gene ID: 107085514)

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>Cva_LOC107092841

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EHPENGIPKEICKGSSLSVAEHLKCSPKDRQFSKPSPTAE EYNTAVARGQADLPEGLSLQLTASSPQTSWTADTAI
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VSE

>Cva_Cbx6 (Gene ID: 107090076)

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APSNSSSNAAKRPQAAEASKDSESSTAVPETQKPSASSCSEANDKVPASSSPTSSLEDQDEDDMDCSQASEEGRSPG
HHKAKPQSPSAVSSATPDQPTAPADPQVRVPTEGD**PDWHPEMAPSCKDVVVTDTVTTNLVTVTIKEFPT**PASGPASPAD
ENASTPPPAASSENAAIPKP

>Cva_LOC107092875

MELSAIGE**QVFAVESILKRLRKGVEYLLKWKGWPPKYSTWEPEEHILDRRLVQAFEDKEE**KERVVGHRRKGSKSKR
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>Cva_LOC107093081

MELSSIGE**QVFAVESITKKRIRKGVHVEYLLKWKQGWPPENSTWEPEDNILDPLLVMAYEANQE**KLRSLSRFKKGLRPRK
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GGTSEEEKNGCDSNTEERCGDSLYGQSECSSTPFLEEDMDMEEEKNVSPDLWPNGVIFATIPNHTNALEQSKDNTL
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>Cva_LOC107092814

MELSAVGES**VFAAESI**KRRIRRGWEYLVKWKGSQKYSTWEPEENILDERLFAAFEERERERELFGPKKRGPKPET
FLLKAKAKAKEKTYDFRRETTPRSIQVSYPIPEPVITPRAREGLRAVVPTIFPPSAINRGESVPIRSPEERRPRPAMT
EALFDQESGRFPRKRGRKPKFHPHYDPHPSISAEPVSKRSRSLDEQSITSRRLHYHGETSEHSLQLTKRFQEETI
TPKPSSEQRYAGMSYTCALSPGMRKSDQEGHRTYSLNRMHFPKHSELKRSAEELPSQPDPSAPSA**PTWT**PCFTNWD**TV**
TVTDVTMNLTVT**TIRE**SS**TA**KGFFKDKR

>Cva_LOC107085518

MELSAVGES**VFAAESI**KRRIRKGSIEYLVKWKGSQKYSTWEPEENILDSRLFAAFEQERERERELYGPKKRGPKPKT
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YHHHLAQKLSSGGSYKRLSHHSTHPRHTKDRCSYLAQAQVKHHQKTNQSRSGAAEFQMEKPYFLDRQSPTKLDDDD
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>Xma_LOC102229509

MEGVTVG**QVFDAECILSKRQRKGFEYLVKWRGWSSKHNSWEPEENILDPRLLAAFHKREQ**ERELLFQKK**KRPRGRF**
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LKALRQGKSLSPPRHHQPIRSRDEPRPGVKKPLQASFTYPGLSRSSREEGASSFSQSSTSKPGSLNCVWAGRSLS
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>Xma_LOC102223386

MEELSAVG**QVFDAECILNKRLRKGKLEFLVWKWRGWSSKHNSWEPEENILDPRLLAAFNKKEQ**EKELLMLKRR**KRPRG**
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SPSGPKKPHSTGSAMQRVAGTKAGVSQSKSSSNQGNQPLNLQNKQSQSGDAPGSGTTAALGLRNPVIPARKPTVAQN
LETNANKSPVSSGRPPARKPQAGGDKLREMKEFQKVLQGRDKSCSEIQNPPARTATKGSKKAKMTDMSTGEESSSDS
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>Xma_Cbx4 (Gene ID: 102230727)

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KPKEDASTHSGNVSSSKLIVKNKNKNGRIVIVMSKYMENSMQTAKIKSSDSEGAERPLQGAESSMEGRLAEVKLVKK
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GIQNGHHGLKRHLSDTDAEEQGLGRFLSYRSISAPNTDSSPSQSFIVDNRNEQQSPALLHNYGYADQEFPMDLSIVKS
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>Xma_LOC102232224

MELPAAGEH**VFAVEGIEKKRIRKKGIEYLVKWRGWSPKYNTWEPEENILDPRLLVAFQHRER**QEQQMGYRKRGPKPKH
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KHHHYEPDPHMYDAQVSRLEKVVQVEPASKLANPGWNPLPALQQKWIRNKDTGCLSKVKELAVEVRKPVKDAQSENA
LKPNPKATLPSAVSSKMKI IKNNNNGRIVIVMSKYMDGNKVHGAKDKHRESSRDEKTQSSKTQENNPFGAKMTEH

PENGIPKEICKGSSSVSAEHPLKCSPKDRHFSKPSPTAAEYNTAEVARGQADLPDDLPLQLTASSPPTSWTADTAIPT
PTAVDQIRIPSPFCDRKRKLSDPVEDRNLGKILLASRSLSVPTAAVTPPQDKPMDLHCSVARRSSMCTMYDANGSQEE
PMDLSCPKNRRQVEAEVQPPVEAEPVVEDTPPPENTQKSCKEKSPEE **PANKISPFMGNIITDITNSLTVTFKEYVS**
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>Xma_Cbx6 (Gene ID: 102234048)

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TGRQNIPTSRNRIIGRKGEAPYRPFQPPPLKMLGFPMYKPFGLQCGGPMFHSQTGSSSTTGARHSNSSSSQRLPPS
SSSSSTSTNVTAKHPQATEASKESKSSKSPETQNASCSEANKILVPPSPSPSLEDQDEADAMDCSEASEARSQCHK
APSTVSSVAPEQSSLPPESKRVPAEGD **PDWHPEMAPSCKDVVVDVTVTNLTVTVTIKEFPSE**ASGPASPSASVENGSTP
PPAATSEDSSVPKP

>Xma_LOC102225821

MELSAIGE **QVFAVESILKKRLRKGNVEYLLKWKGWPPKYSTWEPEEHILDRRLVQAFEDKEE**KDRVIGHRRKSGSKSR
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EEEEENSAEDSEHREESSEAEEMGEGVFNGHRGPDNWSAVGSGSD **KLWRPMPVAPGEVTVTDVTLNALTFTFRESRAAR**
GFFRDWGLEWVEQVGDGAPQSCWRH

>Xma_LOC102232562

MELSSIGE **QVFAVESITKKRIRKGTVEYLLKWKQGWPTYEYSTWEPEDNILDPLLVLAYEENQE**KLRSLSFRRKGLRPRK
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DWGGTSEEDKPGCESTTEERREDSLYGQSECSPPFLEEQDMDTEVEEKAASPDMTDEADGRIFETSQRDTNSQNES
ESEAKPEVVVSPARSDDWVKEVGVEAFSESPTMEKKNATSVIVRVQECGKTTGDAVSVCSDSEPQKDEVRSDNQSVIV
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>Xma_Cbx8 (Gene ID: 102230986)

MELSAVGER **VFAAESI IKRRIRKGRIEYLVKWKGWSPKYSTWEPEENILDSRLFAAFEQRE**ERELYGPKKRGPKPKT
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LQHSDDSGTVQAPKKRGPKPKPRFVDADFSPVVSEPRKRAEEEEEEEEERHGHKLSKFQGAEEMLRQKLARHS
ENHKKHHQHHHHYHHHHHTQKVSQHLSHRSLEPHRTTGDSSYLVAHLKHHHKASRGPPTEFFPMEKPYFLDRQSPTR
FDDSDQD **TAWRPCLSNVEKVLVTDVTANFLTITIKESST**SGFFKDKR

>Xma_LOC102227807

MELSAVGES **VFAAESI IKRRIRGRWEYLVKWKGWSQKYSTWEPEENILDERLFAAFEERER**ERELFGPKKRGPKPET
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EALLDQESRGSPKKRGRKPKLHPHYDPHDASGSSEPAKRSRSLLEEQSIMSRRLHHHGETSDHSLQLTKRFQEETTI
TPKNSSEQKHAGLSYTCAFSPGERKRDPEGHRTYLSRLDFPQHGLKRSAAERGHQAALVSSQADPTAPSA **PTWTPC**
YTNDWDTVTVTDVTMNLTVTITRESSTAKGFFRD

>Pfo_LOC103146900

MEELSAVGE **QVFDAECILNKRLRKGLFLVLKWRGWSSKHNSWEPEENILDPRLLAAFNKKEQ**EKELLMLKRR **KRPRG**
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EPPRKRNRKPLPPEAKEFQONKGPVKLTAKETDLPGAIKKPVHPASFTFMGFRSSAKDAAAGPYRSPLTQGGAVK
PAISSPGSGRSSVQTASLALSKSNQSRNATEGKLSIGNSGSLDLKTAACKSKGVAALNVNTTKHPVQGTQHTLSPP
SGPKPKQSTGSAMQVRVAGTKAGTSQSSKNTSSSQGHQPLNLQSKQSQSGDAPGSGTTAASGLRSPVIPARKPTVAQNL
EANANKSPVSSGRPPARKPQAGGDKLREMKEFQKVQGRLDKSCSEIQNPARTATKSGSKAKMTDMSTGEESSSDSD
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>Pfo_LOC103147077

MEGVTVGQ **VFDAECILSKRQRKGKFEYLVKWRGWSSKHNSWEPEENILDPRLLAAFHKREQ**ERELLFQKKG **KRPRGRF**
RKILPEPTDTKDSHSSSSSFGLSSEPSSSSSEEDDDDHVKKAKQSPRIHPVPQKRPQILLAKPDPPR **KKRGRKPLHP**
DEKALRQGKSLPSPRRHQPISRPRDEPRGVKKPLQPASFTYPGLSRSSREEGASSFSQGSTSKPGSLNCVWAGRSL
SASSSHNKGSPSQKPSSELRAVSETGSVRADAFKGSQKPAPLGLHSSFGGHPIAAQRPPLTHRRQDSVGGQSTGLVQ
HKQQNSSFSKQLPSPTPRERTSQALNLRALNLQSVGLKPGSGGLQGGSRSSTGVGKGTAGGQRSQSGPVTEAGRSRTQP
AGGSRQEEHKGHPSSQNRNLNELSTGSDSDTSSSESEHDPSSFDDTRPSVSSNAAESDTE **TDWRPARSLMEHVFTD**
VTANFITVTVKESPTSVGFFNSRNH

>Pfo_Cbx4 (Gene ID: 103133063)

MELPAAGEH **VFAVESIEKKRSRKGRVEYLVKWRGWSPRYNTWEPEENILDPRLLDADFQDRER**QEQLMGYRKRGPKPKH
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KKHHHYQPDQKQHEAVFAKPRDVKAPELSNKGYNLPAVLQQKWVRDKDSGCLTKVKDITMELKKIPPADLKGQKEPER
VKPKEDASTHNGVSSSKLIVKNKNKNGRIVIVMSKYMENGMQTAKIKSSDSEGAERQGAESSVERHLAKMKLVKKL
GLINGFSKQPKDNPTVPSSGIKADCKEKEKELSPQTERTAMERDKGAEGQLPQDKPLQLTNKPDELPLPSEREVDPKTG
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>Pfo_LOC103141632

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PENGIPKEICKGSSVSVAEHPLKCSPKDRHFSKPSSTAEYNTVARGQADLPDDLPLQLTASSPPTSWTADTAIPT
PTAVNQIRIPSPFCRKRKLSDPVEDRNVGKILLASRSLSMPTAAVTPPQDKPMDLHCSVAHHSSTCATYDANGSQEE
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>Pfo_Cbx6 (Gene ID: 103154832)

MELSAAGDRIFAEEAILKRRVRKGRLEYLVKWKGWAMKHSTWEPEENILDDRILGFEQKEREREMHGPKKRGPCKPH
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DIHRCHRMSSRRPLPRTPRPAFSSSSSGFQSRMHVSPFSETVRILNRRVKPREVKRGRIILNLKVIDKPRGGGAAGS
RNVQTRQNIIPSRNRIIGRKGEAPYRPFQPPKMLGFPYMGKPFGLQCGGPMFSHSMGSSSTTGPDRSNSSSSQQA
PPSSSSSSSTSSNVAKRQSAEASKESKSSKSPETQNASCEANKTPVPPSPSPSLEDQDEDAMDCEASEGARSP
CQHKAPSTVSSVAPEQSSPPEPKRVPTEGDPDWHPEMAPSCKDVVVDVTTNLVTVTIKEFPSPASGPASPSASIE
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>Pfo_LOC103143382

MELSAIGEQVFAVESILKKRLRKGNEVYLLKWKGWPPKYSTWEPEEHILDRRLVQAFEDKEERDRVIGHRRKGSKSKR
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>Pfo_LOC103153429

MELSSIGEQVFAVESITKKRIRKGNVEYLLKWKQGWPEYSTWEPEDNILDPLLVLAYEENQEKLRSLSRFRKGLRPRK
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>Pfo_LOC103141633

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>Gaf_Cbx7b (ENSGAFG00000008146)
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>Gaf_Cbx8a (ENSGAFG00000020216)
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>Pre_Cbx2 (Gene ID: 103469046)
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>Pre_LOC103481889
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>Pre_Cbx4 (Gene ID: 103463659)
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>Pre_LOC103469229

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>Pre_Cbx6 (Gene ID: 108166384)

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>Pre_LOC103482006

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>Pre_LOC103468464

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>Pre_Cbx8 (Gene ID: 103463651)

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>Pre_LOC103469230

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>Xco_LOC114160441

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>Xco_LOC114152221

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>Xco_Cbx4 (Gene ID: 114145263)

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GIQNGHHGLKRHLSDTDAEEQGLGRFLSYRSISAPNTDSSPSQSLIVDRNEQQSPALLHDYGYADQEEFMDLSIVKS
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>Xco_LOC114160311

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>Xco_Cbx6 (Gene ID: 114145658)

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>Xco_LOC114160060

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ESENTLVSEAKPEEVAEMGVFNGHRGPDNWSTAVSGSGSD **KLWRPMPVAPGEVTVTDVTINALTVTFRESRAA**RGFF
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>Xco_LOC114151814

MELSAIGEQ **VFAVESILKKRLRKGNVEYLLKWKGW**PPKYSTWEPEEHILDRRLVQAFED**KEE**KDRVIGHRRKGSKSKR
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EENSAEDSEHEEAEEMGEVFNHGRGPDNWSTAVSGSGSD **KLWRPMPVAPGEVTVTDVTINALTVTFRESRAA**RGFF
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>Xco_Cbx8 (Gene ID: 114145391)

MELSAVGER **VFAAE S I K R R I R K G R I E Y L V K W K G W**SPKYSTWEPEENILDSRLFAAFE**Q R R E R**EQELYGPKKRGPCKPKT
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SENHKKHHQH HHHYHHHHHTQKVSQ LHSRSL EPHRTTDGSSYLVA AHLKHHHKASRGPPTEFPPMEKPYFLDRQSPT
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>Xco_LOC114160318

MELSAVGES **VFAAE S I K R R I R R G R W E Y L V K W K G W**SQKYSTWEPEENILDERLFAAFE**RER**ERELFGPKKRGPCKPET
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EALLDQESRGSPKKRGRKPKLHPHYDPHDASGSSEPAKRSRSL EEQSIMSRLHHHGETSDHSLQLTKRFQEETT I
TPKSNSEQKHAGLSYTCAFSPGERKRDPEGHRTYLSRLDFPQHGLKRS AEERGHQA AVLSSQADPTAPSA **PTWT P C**
YTNWDTVTVTDVTMNL LTVTIRESSTAKGFFRD

>Pla_LOC106937812

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>Pla_LOC106943510

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>Pla_Cbx4 (Gene ID: 106958633)

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>Pla_LOC106957183

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>Pla_Cbx6 (Gene ID: 106936647)

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>Pla_LOC106961268

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>Pla_LOC106961608

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>Pla_LOC106957191

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>Pla_LOC106958634

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>Pme_LOC106924748

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>Pme_LOC106914323

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>Pme_Cbx4 (Gene ID: 106928181)

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>Pme_LOC106904416

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>Pme_Cbx6 (Gene ID: 106904597)

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>Pme_LOC106910083

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>Pme_LOC106933457

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>Pme_LOC106904421

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>Pme_LOC106928182

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>Nfu_Cbx2 (Gene ID: 107397219)

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>Nfu_LOC107387235

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>Nfu_LOC107376532

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>Nfu_LOC107395725

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>Nfu_Cbx6 (Gene ID: 107375179)

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>Nfu_LOC107388224

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>Nfu_LOC107376332

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>Nfu_LOC107395726

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>Nfu_LOC107376533

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>Fhe_Cbx2 (Gene ID: 105932784)

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>Fhe_LOC105937668

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>Fhe_Cbx4 (Gene ID: 105940177)

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>Fhe_LOC105933040

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VAF

>Fhe_cbx6a (ENSFHEG00000010219)

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>Fhe_LOC105930863

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>Fhe_LOC105917993

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>Fhe_Cbx8 (Gene ID: 105940179)

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>Fhe_LOC105933049

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>Kma_Cbx2 (Gene ID: 108237824)

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>Kma_LOC108249256

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>Kma_Cbx4 (Gene ID: 108245485)

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>Kma_LOC108239245

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VPF

>Kma_Cbx6 (Gene ID: 108231568)

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>Kma_LOC108236253

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>Kma_LOC108250439

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>Kma_LOC108228443

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>Kma_LOC108239259

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>Mze_LOC101465599

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>Mze_LOC101477503

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>Mze_LOC101467610

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>Mze_Cbx7 (Gene ID: 101468311)

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>Oni_Cbx7 (Gene ID: 102076083)

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>Oni_LOC100700457

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>Oni_Cbx8 (Gene ID: 100712202)

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>Oni_LOC100692384 / ENSONIG00000017182

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>Hbu_LOC102307411

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>Hbu_LOC102302910

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>Hbu_Cbx4 (Gene ID: 102295423)

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>Hbu_LOC102309824

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>Hbu_Cbx6 (Gene ID: 102311013)

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>Hbu_Cbx7 (Gene ID: 102304092)

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LTVTFRESRVA**KGFFRDWGLKV

>Hbu_LOC102302921

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>Hbu_Cbx8 (Gene ID: 102295731)

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>Hbu_LOC102309508

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>Nbr_LOC102797064

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>Sdu_LOC111227041

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>Sla_Cbx8 (Gene ID: 111655455)

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>Sla_LOC111667559

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>Lbe_LOC114919638

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>Lbe_LOC109999250

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>Lbe_LOC109985836

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>Lbe_Cbx7 (Gene ID: 109992249)

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>Lbe_LOC110004121

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>Lbe_Cbx8 (Gene ID: 109999244)

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>Lbe_LOC109985837

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>Cgo_LOC115005214

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>Cgo_LOC115012765

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>Cgo_Cbx4 (Gene ID: 115013642)

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>Cgo_LOC115012777

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YVSE

>Cgo_cbx6 (Gene ID: 115005610*)

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>Cgo_LOC115012745

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>Cgo_LOC115024515

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>Cgo_Cbx8 (Gene ID: 115013830)

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>Cgo_LOC115012434

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KSTITPKHSSSSSSSEQRHAGLCCSAFNP~~DVGQLGHRTKSLVSVPRPSSSE~~EHRRHQVKECCEPDVISTQSESIHEQ
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>Ena_cbx2 (Gene ID: 115047492)

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>Ena_LOC115059891

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>Ena LOC115047550

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>Ena LOC115044326
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>Ena cbx6 (Gene ID: 115044595)
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>Ena cbx7 (Gene ID: 115060227)
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>Pra Cbx2 (Gene ID: 11444058)
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>Pra_LOC114452074

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>Pra_Cbx4 (Gene ID: 114436730)

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>Pra_LOC114439615

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>Pra_Cbx6 (Gene ID: 114439322)

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>Pra_LOC114437794

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>Pra_LOC114439674

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>Pra_Cbx8 (Gene ID: 114436737)

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SAGSSYKQLYSDRSLHRTDMDTHKTEHASAYLAPPHFKHHHKTSPGLSRPAELPQMEKPYFLDRPSPTRLDDDLDE **V**
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>Pra_LOC114439616

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>Lca_LOC108874733


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N K R S K K P A T P E G N E L P H K R G L R K N P K M S N D T D H P G A I K K P V Q L A S Y T L M G F Q Q G L G R D T V G Q G V G S L G H G G P Q K S A V G
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Q G S V S G L Q R I P H A K A V G F G P S K N N N S S Q G S G F Q P L N L Q N K P A Q N S T T S E N E A T L L S G T K I A P K P A R K A N A P Q N Q D C N P
N K S P E S P C R L E A G K N Y S E A N K T K E A A E I R S T H N Q G R L E K S S V H T F P Q Q E K F A Y K T G R K M N D M S T G E D E T S S D S D Q D S T
C S G K D S S M N Q T Q D W K P T R D L I E H V F V T D V T A N L V T V T V K E S P T S M G F F S V R N Y

>Cse_LOC103384237

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L L V Q V P S F A R R S S I L N D L H E A S L D E E D E K C D S T S P V H V L R P Q G T Q Y Q L N S T N H H K Y Q S L C R E K E M E P P T N G K K F F Y Q L
N S K K H H H Y Q P D V K D F V H E P T F V K P P E V K V P D L A N K G Y S L P P V L Q Q K W I R D K D S G C L T K I K D I T M E L K K L P A N L N G H R
E S Q S T G L K E D S L P Q S N G V S S S K L I V K N K N K N G R I V I M S K Y M E N G M Q S A K I K N G D S E P T G N P E S G A E N H S E K M R L V Q
K L G L T N G F V K N S G D S T V S T S G F N G D A P Q E R E Q S T K M Q P T V T E Q A K H V G V R V Q G Q L P A D Q L L Q L T T K S N L P S L P V D R G
V P S A L D K R E T Q G G C Q R L K R P L H D T G T E D C G T T K R F L S S R S F L D A S A A P S P T Q S T S V D Q N G Q R S L E G L Q V C G Y T D Q E E P
M D L S M V K S R A N S E A C T S A Q P Q A Q T T V E T L V C S Q D E K H T Q T Q T D S Q R E T Q T P T E T R D T S E E L D V D S L S E P N K E K R K E E T
F P S F Q S F L G N I V I T D I T N C L T V T F K E Y V T V

>Cse_LOC103393067

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L L L Q V P S F A R R S S I P A G F E E A S Q E T E G G V K S D P V Q V Q R P Q I Q Q Y Q L N S K K H H Q Y Q P S S P E V S A D Q L A N G K K K F I Y Q L N
S K K H H H Y E P D P N M F D T Q A S K L R E V V K V Q E P A C K A N P G W N L P L A L Q Q K W V R D K D T G C L S K V K E L A V E R K P V V K E A E S
E H A L K P D P K D A T L P S A V S S K M K I I K N K N K N G R I V I M S K Y M D G N K V H A A K G K H G E S S G E E K P M S T K P S E N P G Q R T K I
G E H L E N G V P K E I C N G R S P P A A E H P I C S P K N R H F S K P S P S T A E E Y N T E V A R G Q A D L P D D L P L Q L T A S S P S M S W A M D T N
I P T P T A V D Q I R I P S Y P G D R K R K L S D P V E D R G V S K T F L A S R S F S V P S T V V P P P Q D K P M D L H C S S R R P S S N C T Y D F V D S G
G Q D E P M D L S C P K T K R Q T E P E L R P E P Q P E P E I E P E P V Q K S E T Q P A D A E A P V M E D T P K S A E K S K E A P V K K I S P F M G N I I
I T D I T S N S L T V T F K E Y I S F

>Cse_Cbx6 (Gene ID: 103383217)

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F M K A R G Q K R D P S S Q N A S T R Q S V S R S A S S R A A P S S S T S T S S S A A A T P H L P S L S S S S S A I G P S P K L N S L A A T H K L K K D I
H R C H R M S R R P L P R S D P M A S S F S S A G G L P S R M H V S P F S E T V R I L N R R V K P R E V K R G R I I L N L K V T D K P G R G G A S A G S R N

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SVEQEDKEAVDSNEPHQC NANIPSP TAAAPAAAPPASQSANPSEPQRVPVEGD PDWHPQIGFSCKD VVVTDVTTNLVTV
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>Cse_LOC103382143

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>Cse_LOC103393332

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>Cse_LOC103384236

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>Cse_LOC103393068

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IQLTKRFQVETTITPKPGGEHRLPGDAALAYTCAFS PDMRTSEPRGHSRPESLRRTCVSQPEKMKHQVKMSCRAPQSQ
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>Sma_Cbx2 (ENSSMAG00000012696)

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PPKKRSRKPLSPEVKEFQQNKAPR KILKTSKADLPGA IKKPVHPASFTFMGFHRGSPRDTAGSHNRGSLTQGGAVKN
SPGSGVSGRSVQPASALANKSSQSRNVSDGKLSVSGMSGGTS LDLNLTAA GSKSGVAALNLT SKHPIQGTTQHTLSSP
NGQKKPQGPVSALQRPNTKAVASVPSKNASAIQGSVPQPLNLQNKSAQ GKDAPNGTTPASGLRNATHPARKTTVTQ
NQEYNPPKSPAIAGR LQTRKNPPGADKVKEATEIQSSRVQGR LDKSGVHKASTEVL SQQERAA YKDGGKAKMTDMSTG
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>Sma_Cbx4 (ENSSMAG00000014969)

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LKKHHHYEPDPNMYDTQASRLKEVVKVQEPACKQANPGWN LPLALQQKWVRDKDTGCLSKVKELAVEVGKPAVKEPES
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>Sma_Cbx6a (ENSSMAG00000021207)

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PFSETVRILNRRVKPREVKGRIILNLKVIDKPRGGGARNITGRHNI PSRNRI IGKKGEAPYRPFQ PPLKMLGFPMY
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PHTETQKGQSAKHSAPAPSSDAKAVGSASPFLPASPSSSLEEEEEEGE GALGRLVSSSEGGRKNPRQRRARRPLPAA

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>Sma_Cbx7a (ENSSMAG00000006170)
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WRDIEEEKQESSESVEEIREDSLYGRSECSPPLLERQDLAVEEKVDADLTVEGLETWTDSDGRVCETFACNQSKD
SAAVPAARAGDAVTAAGDRSNWDRGVVEVESGSECPRLERNDTITVIVSVQGSSETAVAAAAAAVVACSTAEERADNQ
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>Sma_Cbx7b (ENSSMAG00000006575)
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HWGLEV

>Sma_Cbx8a (ENSSMAG00000014960)
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LTLHESGRFPKKGKPKLHLHYDKNSGGSAEPDTKRSRLAEPPDSHGLSQMARPLHHHGETSDRSLQLTRRFQEK
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>Sma_ENSSMAG00000011628
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HKHHHHHHQHQQHHQHNRLESGSSYKQLYSDRSPHPRVDTDTHRTKEGSTYLVPAHFQKQSKVSQSLSRPAEQPL
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>Ame_Cbx2 (Gene ID: 103045429)
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QIVMAKPDPP KKKRGRKPLTPEL KALKQSQAKCIRKPMKDPKPLDLGSIKKPLMPASFTYTGMNRAASREPLAVQSR
GSFTHNSPAKSSPNTQGTGRPAGSLGRLSQGKSTADFKLSDMGSGGLDLKASACKSPGVASLSLHNSKLTACSTNGQA
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IRNF

>Ame_Cbx4 (Gene ID: 103045489)
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HHHYQPSTKMYQKVETEPAQTLQKQWVDKDSGCLGKVRDITMELEKLPASLDGNGKPKLAMKDVTVQVSGISSKLKIV
KNKNKNGRIVIVMSKYMENGTAAKIKNGEVDMGVKQQKLQENQSSAVTDSVVEKNRHSKKHSPENGWKKDSKDETR
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>Ame_LOC103031044
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>Ame_LOC111194212
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>Ame_LOC103038090

>Pna_LOC108432204
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PNHRKRNLSEPNEGGS DCKKLLSSRSISAPSAVFSSPQREPIDLHFGSKSTRRTYSYDFTDAIPEEPIDLSCGKTRLQ
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>Pna_LOC108410419

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VIVMSKYMENATQDPKMIHSEADLGVKQLLDNESKVAEKLRLHSKNPNFENGCEKDSKD KAKPPPSGLTNGPFHPVAND
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DVTAHCLTVTFKEYI

>Pna_Cbx6 (Gene ID: 108436630)

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DPDGSSSFSSRLPISPFSETVRILNRRVKPREVKRGRIILNLKVIDKYGGGATNRRPAQTQQGRAQLPSNRRIIGKKQG
DMPYRPFQPPMKMLGFFMYGQPFGLQPCLPVSVQTSKRAGSTPVAKGRGPGRP SKPKFPFQSPSPSSSSSGSES DAPS
PPQIQPGPPQAPETAPSPPVLSPETPSRCSGVPQSRSSGAKPGSASSPTSFLPSSPSLSSSSSSPEDEDERAQKL
PAPPKGGRRKPCRFRASEGANSRPTAEKKALKRGN **PDWRPERAPSCANVVVTDVATNQLTVTIKEFCCK** GASSTDST
PPSPSQAKSPSFSTLSGT

>Pna_LOC108413245

MELSAAGDR **VFAAEAILKRRVRKGRMEYLVKWKGWAIKYSTWEPEENILDERLVAAFEQKER** EQELYGPKKRGP KPKT
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PLAQSVGHSLSPFSETVRILNRKVKPREVKKGRVILNLKVIDKAGNSGVANNRRT PSTAHQSYIGRQKVPSNRNVIGK
SRRFGDVSYRGLPLPVSGAGFSVFGKAFAEHSMDPSGNQPKLEHSGHKPGKSLSLQSLSQSSKLMTSDVPKALSEAPP
SASSSEVSDGESHLTSSAQSHQPSLAHQSSKVNPAI LPLPKPSNQLTDLKPNSSAAKSVLPSSPMFSSSSSSSSSSSED
NEHILDLSVPHGSDRAKRHHHFCRHQQPKLPEI PMSEEASEEEEE **LDWHPEMVAQCANVVVTDVTTNLLTVTIKEFC**
HPHGLPPSASSPCYANHFSASNKTKPQP

>Pna_Cbx7 (Gene ID: 108413508)

MELSAIGEQ **VFAVESI IKKRVRKGHVEYLLKWKGWPPKYSTWEPEEHILDPRVLAYEKEKEH** RDKAVGWKRGP KPKR
LFVQIDHMDQKFQAKGGTIYRQLVQHKKRKRSSRDPSVEDWGGREEEEEDEEEDESTREEELETDRATPNSSCF SFSG
NVATEGWSSIIGSKEVTVSPMH **EEWRPVMGPEEVTVDVTINSLTVTFREALVAKGFFRSWELEF**

>Pna_LOC108441212

MELSSLGEQ **VFAVESITKKRVRKGNVEYLLKWKQGWPPKYSTWEPEENILDPQLVLAFEEKEE** KDRAQAHRRKGLRPRR
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PLTHQKDIMEEEWEDEEKEGKEQEKRKKKKTEKDEKTTYSRHDIPSAQEMTG DHI PSAKQKAVMANQSEHCALSC
ERGDQLTKHVHTETISVQRLTDQSAVSTITETHEPIKDRSGGVASAPVSHNETKIDQSLKSSSELVYSAKEVGLIDRV
QKRASVICLIDSCMQDQVKEAGQTDVSADSTEKETDEDEVTAECTTTLQLSAEVRTDQSQ **GPGSTEHPGKVI VTDVTI**
NCVTVTFKEAMTA EGFFSGYGLQV

>Pna_Cbx8 (Gene ID: 108424812)

MELSAVGER **VFAAESI IKRRIIRGRMEYLVKWKGWSPKYSTWEPEENILDSRLFAAFEERER** ERELFGPKKRGP KPKLT
FLMKAQAKARSYEFRGESSRIRITYPSTDALAAPRAREGLRAVVTIFPPGTVNRGESIRLPPPEPRELSPRP
TSDGFIYTPKKRGRPKLRFSDGYSSGLLHPDKAKMSTEESMSGIPSKMARLELGEDDEDSEDRCSDLRAMKMSHRHQ
ASPVPYPKPHRMIPMSDWLSHSSRMAANFQDCRTRDHLSHLHRKHLKHLKHLSHHRAFETVDQAARLQQQKPTLI AKI
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>Pna_LOC108432169

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>Mar_LOC113135962

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>Mar_LOC113141452

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>Mal_LOC109969680

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>Mal_Cbx4 (Gene ID: 109957911)

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>Mal_LOC109969469

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>Mal_LOC109952690

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>Mal_LOC109952654

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>Mal_Cbx8 (Gene ID: 109958030)

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Mal_LOC109969470

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>Ate_LOC113156830

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>Ate_LOC113155158

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>Bsp_LOC114847134

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>Gwi_LOC114481946

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>Gwi_LOC114459779

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>Sfa_LOC115385547

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>Sfa_Cbx4 (Gene ID: 115390982)

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VT**FKEYVTA**

>Sfa_LOC115386984

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>Sfa_Cbx6 (Gene ID: 115389716)

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PDSTMSPPPAATSEDPSPAKP

>Sfa_LOC115387617

MELSSIGDQ**VFAVESITKKRVRKGNVEYLLKWQGWPPKYSTWEPEENILDPRLVLAYEENQE**KIRALAYRKKGLRPRR
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GGTSDTGHRVETVACDQSKDSASASEDRAGDEASVGRSDWEGVESREGRLCPRSNA TSVIVSILGNRETAGDGTTTTA
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>Sfa_LOC115392998

MELSAIGEQ**VFAVESIVKKRVRKGNVEYLLKWQGWPPKYSTWEPEEHILDKRLVQAYEEKEE**RERALGHRRKGSKAKR
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>Sfa_Cbx8 (Gene ID: 115390143)

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>Sfa_LOC115386985

MELSAVGES**VFAAEESTIKRIRRGWEYLVKWKGWSQKYSTWEPEENILDARLFAAFEERER**EREMFGPKKRGPKPET
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>Ola_Cbx2 (Gene ID: 100125497)

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PTSVGFFSLRNY

>Ola_LOC101172611

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>Ola_cbx4 (Gene ID: 101158167)

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>Ola_LOC101160166

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>Ola_cbx6a (ENSORLG00000025101)

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>Ola_LOC101163772

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>Ola_LOC101168624

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>Ola_Cbx8 (Gene ID: 101157915)

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>Hco_Cbx2 (Gene ID: 109527817)

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SIRNY

>Hco_LOC109518595

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>Hco_LOC109527525

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TNCLTVTTFKEYVTV

>Hco_LOC109522747

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>Hco_Cbx6 (Gene ID: 109511478)

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>Hco_Cbx7 (Gene ID: 109512097)

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>Hco_LOC109527051

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>Hco_LOC109522748

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>Ssa_LOC106564893
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>Ssa_Cbx6 (Gene ID: 106591466)
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>Ssa_LOC106564427*
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>Ssa LOC106595625*

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>Ssa_LOC106608943

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>Ssa_LOC106607170

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>Ssa_LOC106601246

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>Ssa_Cbx8 (Gene ID: 106588425)

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>Ssa_LOC106564894

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>Ssa_LOC106606673

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>Ssa_LOC106601767*

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>Ssa_LOC106596252*

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>Omy_LOC110486808

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>Omy_Cbx6 (Gene ID: 110485591)

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>Omy_LOC110536509*

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PQ

>Omy_LOC110538378

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>Omy_LOC110486408

MELSSIGE**QVFAVESITKKRVRKGNVEYLLKWKQGWPPNTLTGELATTVRHLVHFRNVKSPSRSSVNPIPHASKTEGYS**
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>Omy_LOC110499099

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>Omy_LOC110502860

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>Omy_Cbx8 (Gene ID: 110485969)

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>Oki_LOC109899149

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Supplementary File S2. List of the protein sequences encoded by the teleost *Pc* orthologues identified in *this study*. Sequences of the chromodomain (SM000298) are highlighted in bleu, of the AT hook motif (SM000384) in green and of the Pc box (PF17218) in violet.