

Supplementary Figure S5. Localization of the peptides identified by mass spectrometry along the protein sequences.

The position and length of the peptides are underlined. The regions matching peptides are highlighted. Grey highlight: regions matching at least one peptide, black highlight: region matching a single peptide, specific for one isotype. A. Localization of the peptides along the PtCenBP1p sequence. A same peptide can match several PtCenBP1p internal repeats, designated rP1 to rP6, because of their high homology. B. Localization of the peptides along the PtCenBP2p and PtCenBP3p sequences. C. Localization of the peptides along the proteins of the ICL1a sub-family. D. Localization of the peptides along the proteins of the ICL1e sub-family. E. Localization of the peptides along the proteins of the ICL3a and ICL3b sub-families. F. Localization of the peptides along the proteins of the ICL5 sub-family. G. Localization of the peptides along the proteins of the ICL7 sub-family. H. Localization of the peptides along the proteins of the ICL8 sub-family. I. Localization of the peptides along the proteins of the ICL9 sub-family. J. Localization of the peptides along the proteins of the ICL10 sub-family. K. Localization of the peptides along the proteins of ICL11 sub-family.

A. Localization of the peptides along the PtCenBP1p sequence.

Nterm 1 MPPGQLQKNKQQQKNVLTPQKLELLQENRKLLSHIFNMGNLNGQHNLHRAMLRMRRAMIE

Nterm 61 KKIDVSKISKKIKKGKIVSQLI**RYESHTSLHEAFLRWKVRA**DPEIVKKAVDQ**IILLNSRLNE**

Nterm 121 FNAFHKLKNLLGQKDLQKKMNAKKRKNMCLMNIALFLQ**KKEFQLKTAAVAALKPKNQDSD**

Nterm 181 **KMLGLLLWSISSKKHRERYLREKFNWWRLYSKVKS**DKLQ**KQLKALERLGDEYNMRNDRLDR**

Nterm 241 QRLKEVQNISNYYQAFEKWRGDLMNFR**LKKFFSVLLKTTFGRLQRCYTRWVDLPDKREN**

Nterm 301 DMKKQGMLLITKLTNKADQNKR**LWNSFKAI**DDDAKNKKT**VIRELIEVTFNQS**YTAFYK

Nterm 361 WANYNTYAKLTETNLR**KIKALQASANVTQQLVKFETFKLFGLS**KKAEICSFLNK**LILKIQ**

Nterm 421 QRQKIDAM**RQIENVSMQKKMQE**KLDNVNK**QEIIISRLGDTANKTEKG**LLRQVLRK**FALLRE**

Nterm 481 Q**QEIKNKYFVR**IISTTSGMAMDAFRRWK**QLPDPAEQQM**LNVS**KFQLRLQFLFKQRV**KQS

Nterm 541 FDPLKEVYYQGI**QSKRLCIKQMLV**KQLSAPQRFLRQWQS**MNKIYKSVIACQ**KTNNFFDSL

Nterm 601 QDVLKNNIKAFLYTRKDAEVKEKCLVKLMSSFTNNLMAFLWKKNYNQQKISENLGDEK

Nterm 661 KYMLLNQRFIKNDNLNRLRILRLFYNEQQVNQLIKKIHLRVLQTQIGQVELSFQKWK

Nterm 721 SLPGDDALKNQAKVSKFAISLGKIAYRFVKLNSWDQLENNLLDGQAKKKFCINKIIAITQ

Nterm 781 SDLKAFLLWHRKAWEMKMFDFKFSQLNVTLNDQIVKQKLIGWINAGSKVKFFALTEVLRR

Nterm 841 FNQNAIEHNLKRKAMVI

rP1 851 RNTISQVWL SFNRWKQLPEENNN DLKVQATKFEKSLSKFVFHILKKHSWNPLQEYDDGL
rP2 1279 RTQIGAVWDTFNWKWNLPEANP - DDLIKASRFETQLNKFTLHIWRKRTWNPLQEYDDAQ
rp3 1706 RTQIGAVWDTFNWKWNLPEAN A - DDLIKASRFETQLNKFTLHIWRKRTWNPLQEYDDAQ
rP4 2133 RTQIGAVWDTFNWKWNLPEANP - DDLIKASKFETQLNKFTLHIWRKRTWNPLQEYDDAQ
rP5 2560 RTQIGAVWDTFNWKWNLPEANP - DDLIKASRFETQLNKFTLHIWRKRTWNPLQEYDDAQ
rP6 2987 RTQIGAVWDTFNWKWNLPEANP - DDLIKASRFETQLNKFTLHIWRKRTWNPLQEYDDAQ

rP1 911 AIKKRAVLLMIKTQESEQQRTLDQWNKNVS LIREVERCKVVISLFGLLGSHI KNNIAPLK
rP2 1339 ALKKRAIILMIKTQESEQQRALDQWNKNVGLMKEVERCKCVIGLFGFIGVHI KNNIAPLK
rp3 1766 ALKKRAIILMIKTQESEQQRALDQWNKNVGLMKEVERCKCVIGLFGFIGVHI KNNIAPLK
rP4 2193 ALKKRAIILMIKTQESEQQRALDQWNKNVGLMKEVERCKCVIGLFGFIGVHI KNNIAPLK
rP5 2620 ALKKRAIILMIKTQESEQQRALDQWNKNVGLMKEVERCKCVIGLFGFIGVHI KNNIAPLK
rP6 3047 ALKKRAIILMIKTQESEQQRALDQWNKNVGLMKEVERCKCVIGLFGFIGVHI KNNIAPLK

rP1 971 PDEESQKKEKALLRLIGNFDSNLRYFFMKWYNDGKLEKLQGAMTDEKKLLLEAINNSK
rP2 1399 PDEESQKKEKALLRLIGNFDSNLRYFFMKWYNDGKLEKLQGAMTDEKKLLLEAINNSK
rp3 1826 PDEESQKKEKALLRLIGNFDSNLRYFFMKWYNDGKLEKLQGAMTDEKKLLLEAINNSK
rP4 2253 PDEESQKKEKALLRLIGNFDSNLRYFFMKWYNDGKLEKLQGAMTDEKKLLLEAINNSK
rP5 2680 PDEESQKKEKALLRLIGNFDSNLRYFFMKWYNDGKLEKLQGAMTDEKKLLLEAINNSK
rP6 3107 PDEESQKKEKALLRLIGNFDSNLRYFFMKWYNDGKLEKLQGAMTDEKKLLLEAINNSK

rP1 1031 NNDFARLRAILAKFRRNSSITAVQDRFFAKLFATQFGGAIAKFQKWKNLPEPVNTEQLKN
rP2 1459 NNDFARLRAILAKFRRNSSITAVQDRFFAKLFATQFGGAIAKFQKWKNLPEPVNTEQLKN
rp3 1886 NNDFARLRAILAKFRRNSSITAVQDRFFAKLFATQFGGAIAKFQKWKNLPEPVNTEQLKN
rP4 2313 NNDFARLRAILAKFRRNSSITAVQDRFFAKLFATQFGGAIAKFQKWKNLPEPVNTEQLKN
rP5 2740 NNDFARLRAILAKFRRNSSITAVQDRFFAKLFATQFGGAIAKFQKWKNLPEPVNTEQLKN
rP6 3167 NNDFARLRAILAKFRRNSSITAVQDRFFAKLFATQFGGAIAKFQKWK - NPEPVNTEQ MKN

rP1 1091 ARKFERTLDILFRSHLKVSFDPLKEDYMDALNIKRMCLRKLFEKSMSAHKRLFLLWAQQN
rP2 1519 ARKFERTLDILFRSHLKVSFDPLKEDYMDALNIKRMCLRKLFEKSMSAHKRLFLLWAQQN

rp3 1946 ARKFERTLDILFRSHLKVSFDPLKEDYMDALNIKRMCLRKLFEKSMSAHKRLFLLWAQQN
rP4 2373 ARKFERTLDILFRSHLKVSFDPLKEDYMDALNIKRMCLRKLFEKSMSAHKRLFLLWAQQN
rP5 2800 ARKFERTLDILFRSHLKVSFDPLKEDYMDALNIKRMCLRKLFEKSMSAHKRLFLLWAQQN
rP6 3227 ARKFERTLDLLFRGRV**KASFEPLKD**VYQEGNSKKLYCLRKLMTLAMGQN**KRLFLYWRDIN**

rP1 1151 RQAKQIEVCRLTTALFVGLAQIVTANQPIMQNPREAQAKEKALHLIFQGQAENLSRAFF
rP2 1579 RQAKQIEVCRLTTALFVGLAQIVTANQPIMQNPREAQAKEKALHLIFQGQTENLLRAFF
rp3 2006 RQAKQIEVCRLTTALFVGLAQIVTANQPIMQNPREAQAKEKALHLIFQGQTENLLRAFF
rP4 2433 RQAKQIEVCRLTTALFVGLAQIVTANQPIMQNPREAQAKEKALHLIFQGQAENLSRAFF
rP5 2860 RQAKQIEVCRLTTALFVGLAQIVTANQPIMQNPREAQAKEKALHLIFQGQAENLSRAFF
rP6 3287 RLHKSIE**TCKYTTNLF**QT~~LAFTLAGHVQS~~IFKPNKQQESVINKM**LLN**YN---NTI**RWAFV**

rP1 1211 LWRNRQQQERMNQNQNFEDALTIEKKQLTEQLVQFENGNKFALYRQILAKFSLAHKKEKLV
rP2 1639 KWRNWSQQDRMND**LLNQLQSEQR**KELVDR~~LQGFCHGNKLNLYRL~~LAKFSLAHKKEKLV
rp3 2066 KWRNWSQQDRMND**LLNQLQSEQR**KELVDR~~LQGFCHGNKLNLYRL~~LAKFSLAHKKEKLV
rP4 2493 LWRNRQQQERMNQNQNFEDALTIEKKQLTEQLVQFENGNKFALYRQILAKFSLAHKKEKLV
rP5 2920 LWRNRQQQERMNQNQNFEDALTIEKKQLTEQLVQFENGNKFALYRQILAKFSLAHKKEKLV
rP6 3347 HWNNQAK**QAKIQS**---QLDEKKLLL**FALHRNLRTNDQGKL**DILRKFSKERQ**KQALI**

rP1 1271 LQINARIL
rP2 1699 LQINARIL
rp3 2126 LQINARIL
rP4 2553 LQINARIL
rP5 2980 LQINARIL
rP6 3407 KK**IQIQLL**

Cterm 3422 VGQIEVSFQKW**KALPETKALDQM**KASIFEKS**LNRF**KIH**MVR**K**SAYNQ**LYNIYLDGQAK**QK**

Cterm 3482 YAINKMLYNCMSAQKK**AFLK**WYKVVEFSKAEEAFDISDKKKLAIQLFYQH**KMNQ**LNVA**AVF**

Cterm 3542 EW**KRLSSHLTNQ**ETAQEREVRL**KREA**ILLFQ**NFAQIRI**RIYFQRWNIRAVKKNMISVFN

Cterm 3602 AI**QKLLCTERM**MKQDREL**IKEALDI**WRGPKLQNQWFQ**RV**AE**MIAKNTRIT**PQIAFWRM**RDNA**

Cterm 3662 TTQKAVSLNTL**QIVKCKL**INNLLKAYDRV**RQRAFT**NIEHFGRG**ITDASS**FQPSHSSFLQ

Cterm 3722 QTPVRDSQAKSQMESI**ILKNSQ**VALSTL**QRVFRR**HLKIRFT**ELVL**IASQCQKLGEQMLK

Cterm 3782 SSI**QOPTQYKF**IHK**KMATE**KLIGV**LERNLQ**KL**ELVFF**NSIAN**QSDPD**LLKRM**NELIE**ENSR

Cterm 3842 LR**DQATNDETINSK**D**QQISEQ**QRL**IQLDNTR**LR**MRGQ**RM**IKSLE**Y**QDHL**VEDGFFAIE

Cterm 3902 EYKKE*

B) Localisation of the peptides along CenBP2 and CenBP3 sequences.

CenBP3	1	MLS DSNNR LSTQ LSPKLKGII SQLIKT QSSLSI QDAFIRWQVRTNPEIVKKAVDKILLN
CenBP2	1	MLS DNN QLSTK LSPKLKGII SQLIKT QQNLTL QDAFIRWQVRTNPEIVKQAVDKILLN
<hr/>		
CenBP3	61	SKLNQFN A FHKLKFLLG-YQKLLIRMNA KKKNL S I INLALFV Q KKELQLK RQAI E SI KP
CenBP2	61	SKLNQFN A FHKLKFLLGT K OPKEARMNAR KKKNL S I INLALFV Q KKELQLK RQAI E SI KP
<hr/>		
CenBP3	120	TSQDTN KMLG LIWS ISSSKY RERYLREKF NWW KLIAK I KS N KLE Q LK A LERLGDEYNMR
CenBP2	121	TSQDSN KMLG LIWS ISSSKY RERYLREKF NWW KLIAK M KS N KLE Q LK A LEILGDEYNMR
<hr/>		
CenBP3	180	NDRLDR Q RLKEA F EIWRG D LLNFR L KKFFAV L KTTFG R LQRCYTRWVDLPDKRENDIK
CenBP2	181	NDRLDR S RLKEA F EIWRG D LLNFR L KKFFAV L KTTFG R LQRCYTRWVDLPDKRENDIK
<hr/>		
CenBP3	240	KQGLLLINKLGNKVDQNKR L VWN A FKD I HDEAKNKT K VIRELIEVT N QSYTAFYKWAN
CenBP2	241	KQGLLLINKLGNKVDQNKR L VWN A FKD L HDEAKNKT K VIRELIEVT N QSYTAFYKWAN
<hr/>		
CenBP3	300	YNTYAKLTETNLKKIKS F QQSANVTHQLVQ E T F KLFN L SKKM Q I C SFLDK I I I LKLQQ R Q
CenBP2	301	YNTYAKLTETNLKKIKS L QQSANVTHQLVQ E T F KLFN L SKKM Q I C SFLDK I I I LKLQQ K Q
<hr/>		
CenBP3	360	KLD SLR QIENYCVQKKMEE K I N INKQDL I SRLKD T ANKTE K G L LQVLKKF S LNRT T QE
CenBP2	361	KLD ALR QIENYCVQKKMEE K I N INKQDL I ARLK E ANKTE K G L LQILRK F Q I NRET T QE
<hr/>		
CenBP3	420	I K NKYFGRILLSVNGQLIDA F R K W K T L P N P N D I NNI Q KASKFQ I KLQMFIT N K R KQAYDP
CenBP2	421	I K NKYFGKILLSVNGQLIDS F R K W K I L P N P D D I NNI Q KVSKFQ M KLQLFIVNKHKQAYDP
<hr/>		
CenBP3	480	LKYLYY D ALQKKR F CIRQLFSVTMSAPQR Y LKQWQNVAKVYKS V VACQKTNNLFYSLALI
CenBP2	481	LKYLYY E ALQKKR F CIRQLFSVTMSAPQR Y IKQWQNVAKVYKS V VACQKTNNLFYSLAMI
<hr/>		
CenBP3	540	I Q SNLLTF V QNNKD V D I KE K CI Q KI L ASQHSNL A IAAFFK W K S HN K QE Q I L ERLGDEKMKF
CenBP2	541	I Q SNLLAF I QNNKD V D I KE K CI Q KI L ASQHSNL A IAAFFR W K S QN K QQ Q I L ERLGDEKMKF
<hr/>		
CenBP3	600	LILNLKKFLEN D KKQRLR R ALNL F HQK L QVAQQIKKINLRLMQ T V V GQVSSSFQ K WKYL P
CenBP2	601	LILNLKKFLEN D KKQRLR R ALNL F NSN L QLAQQIKKINLRLMQ T V I GQVSTS F Q K WKYL P
<hr/>		
CenBP3	660	EDKVNG S TA K VSKFMISLGRVAYRFVKVNSWNIMEDY L DGQAKK K YC I NK I ISVGQSDL
CenBP2	661	EDRVNG K TV K VSKFMISLGRVAYRFVKVNSWNILED D DLLEGQAKK K YC I NK I FSVGQSDL
<hr/>		
CenBP3	720	KTAFL I WHRRS W E M KMF D QFSQLNV T L N D E I I K Q R L I N W I N S G N K V K H Y A LI E I L K R F H Q
CenBP2	721	KTAFL S WHRRS W E M KMF D QFSQLNV T L N D E I I K Q R L V N W I N S G Y K V K H Y A LI E I L K R F H Q
<hr/>		
CenBP3	780	NAE S H N L R R K ALAI I HR N T I S Q V W I S FN K W K Q I P E H D Y S QL T K V T K FE Q S I N R FL I R Q A K
CenBP2	781	NAQ S Y N L R R K ALAI I HR N T I S Q V W I S FN K W K Q I P E L D Y S QL A K V T K FE Q Q F N H FL I R Q TK
<hr/>		
CenBP3	840	K T W N P I N E I Y D D A L A I K K R A V L L V K T Q E S E Q Q Q A L S K W N K N V A L I Q E VERCKSVILL F

CenBP2 841 KKIWNPLYE_{YI}YDDALAIKKRAVLLIKTQESEQQKALSWNKNVS_{LI}QEVERCKSVILLE

CenBP3 900 KFVG_{DQIQC}NLQIMQP_{NQ}ESRLKEKALLKII_{IGGNYDNIRYFFMRW}RNYLKFER_IQAIEGE
CenBP2 901 KFVG_{DQIQC}FNLQIMQP_{NQ}ESRLKEKALLKII_{IGGNYDNIRYFFMRW}TNYLKFER_IQAIEGE

CenBP3 960 KKEFLIRQIGFFYRNNMKSKLRLALS_{KFKRNSVLSAVQQKFFS}R_LFSTKF_{GGAI}VA_{FQKW}
CenBP2 961 KKEFLIRQIGFFYRNNMKSKLRLALS_{KFKRNSVLSAVQQKFFS}K_LFSTKF_{GGAI}VA_{FQKW}

CenBP3 1020 KNLPDIQNYENV_{KKGRRLEK}I_{LENLYRGRIK}LSDPLKDEY_{QEAMNKK}MHCIRKLIILGM
CenBP2 1021 KNLP_{EIQNFENL}KKGRRLEK_ILENLYRGRIKLSYDPLKDEY_{QEAMNKK}LHCIRKLIILGM

CenBP3 1080 GS_{NKRLFL}SWRNTN_{RLLKSIETCK}QTTNFFQTL_SLTLSGNVQVIFKTNQLQEKVFEKMLS
CenBP2 1081 GL_{NKRLFL}QWRNTN_{KLLKSIETCK}QTTNFFQTL_ALTLSGNVQVIFKTNQLQEKVFEKMLS

CenBP3 1140 Q_{YN}NNLLRWAFIKWNNQAKSD_{RIASLMD}KETRK_{FLL}FALQRNLKH_NKIGQLRDILRN_{FNDR}
CenBP2 1141 K_YNNLLRWGF_IKWNNQAKSA_{KIASLMD}QEKR_{KFLL}FALQRNLKH_NQNGQLRDILRKFNDG

CenBP3 1200 RNRINLIK_{IKIQLK}FLHTFAGQVETSFLKWKQLPDS_{SNLQ}ASRF_EQKLNSFK_IQ_{IL}RKSS
CenBP2 1201 RSRQ_{NI}LIK_{IKIQLK}LLHTFAGQVETSFLKWKQLPDS_{SNLQ}AS_IFEQKLNSFK_IQ_{VL}RKSS

CenBP3 1260 FKYLQN_{IYQDGQAKQK}YAIN_{KL}MFNCMSVEKKV_{FLQ}WNKVSELQ_{KTE}ERASKVMGFFGS_I
CenBP2 1261 FKYLQN_{IYQDGQAKQK}FA_{INKL}MFNCMSAEKKAF_{LE}WNKVSELQ_RTEQRASKVFSFFGS_I

CenBP3 1320 NKIQQN_{HMYFFF}EDQ_IKELKKQEE_{LV}RLLKEWEEMFKDSYQ_{KW}KQTQAKLD_{LL}ASQNRQK
CenBP2 1321 NKIQQN_{HMYFFF}EDQ_IKELKKQEE_{LV}RLLKEWE_{DM}FKDSYQ_{KW}KQTQAKLD_{LL}ASQNRQK

CenBP3 1380 QKFS_{II}EILKDYI_{QNKKN}YNLRL_LLRKFSNSNKS_QKAVNK_{FLL}GISHSSIGQLHNSFQMW
CenBP2 1381 QKFS_{II}EILKDYI_{QNKKN}YNLRL_LLRKFSNSNQR_QKAVNK_{FLL}GISNSSIGQLHNSFQMW

CenBP3 1440 RRLPEPQ_{KT}KQGY_IFEKK_IFS_LFRKQLLQSFDGLQD_{IY}FQALNK_{RR}V_VLLV_RRTTKSQQ
CenBP2 1441 RRLPEPQ_{KT}KQGY_IFEKK_IFG_LFR_RQLLQSFDGLQD_{LY}FQALNK_{RR}V_VLLV_RRTTKSQQ

CenBP3 1500 QQAVQRWRDA_{LN}QMNQQ_EQ_{LN}VQENRKL_{AI}QLFYQ_HKM_NQ_{LN}VAF_IEW_RDT_IR_LH_TNKQ_E
CenBP2 1501 QQS_VQRWRDA_{IN}QMNQQ_EQ_{LN}VQENRKL_{AI}QLFYQ_HKM_NQ_{LN}VAF_IEW_RDT_IR_IH_TNKQ_E

CenBP3 1560 NKTQR_DERLKKEA_{ILL}FQNYAYV_RLRVYFTQ_WKIRAVKR_NMIQICQAIQRM_IQLNRFAEK
CenBP2 1561 NKTQ_KEERLKKEA_{ILL}FQNYAYV_RLRVYFTQ_WKIRAVKR_NMIQICQAIQRM_IQLNRFAEK

CenBP3 1620 AMKKYVMDIWKGQPSKNWFKRVADI_{II}A_KN_SKISK_{QI}AYW_{RM}RD_N-LNQKAVGLSTQQII
CenBP2 1621 AIKKYVMDVWKGQPSKNWFKRVADI_{II}A_KN_SRISK_{QV}AYW_{RM}RD_NSLNQKAVGLSTQQII

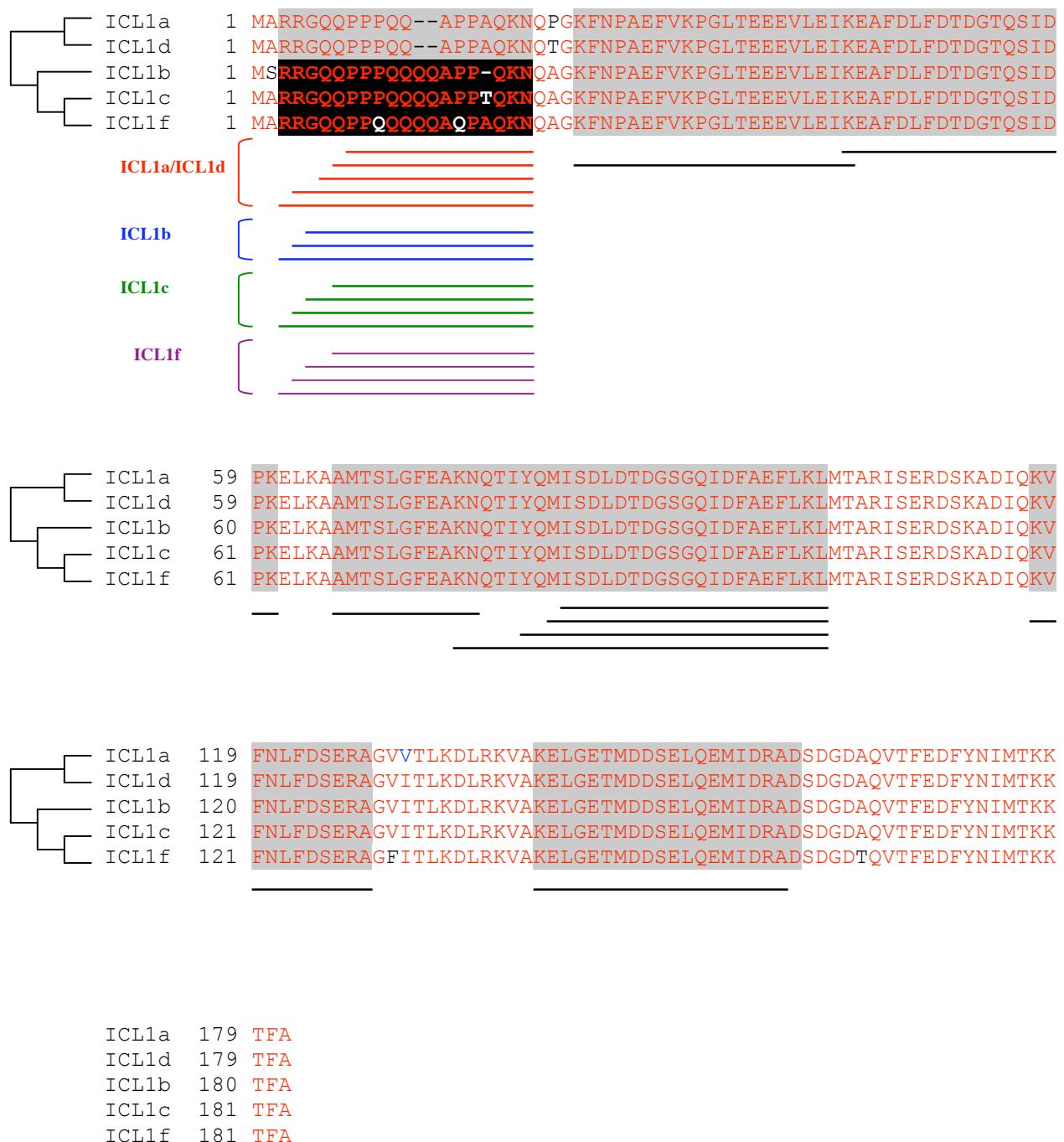
CenBP3 1679 KCKKL_{FNNL}FKA_{FD}RIKQRAFT_LLEHYGKG_IPDDTSFQPS_QTSFLQQTPIK_KIKDTFFKS
CenBP2 1681 KCKKL_{FNNL}CKA_{FD}RIKQRAFT_HLEHYGKG_IPDDTSFQPS_HSSFLQQT---PIKD_{AFF}KS

CenBP3 1739 DFDSILQKNGQKMALNAISRVVKVYFKQRFIELMIELGDQKLKVSTHKKGAEKLFAIL
CenBP2 1738 DFDSIIQKNGQKLALNAISRVFKGFLKQRFIEFMIELDDQKQKSWSTPQKKGAEKLFAIL

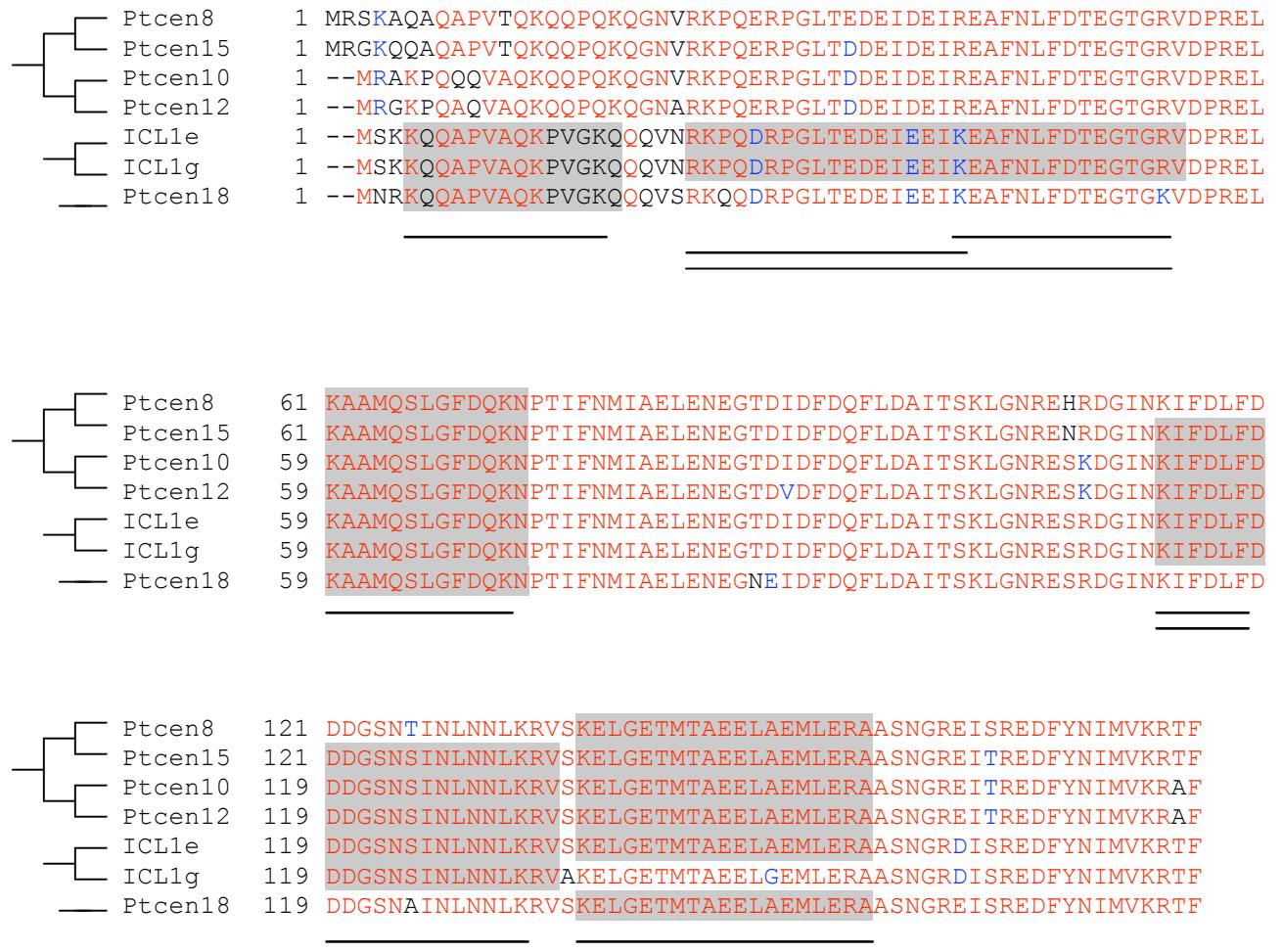
CenBP3 1799 EQNLKLKQVICYQISQVINIKNIVQNEQGVLNQINEIINYQQSTQSSRLESSQLKEQQ
CenBP2 1798 EQNLKLKQVICYQISQVLQLELIQVNEQGVLNQINEIINYQQSTQASRLELSQIKEQQ

CenBP3 1859 LKLNEKERMLLEGWQEKLRCVAIRLIAKALERCEDHFVEDAFVAISEYQLK
CenBP2 1858 TKLNEQERMILDLQEKLRCMAIHRLFKALEKCEDHFVEDAFLGISEYQLK

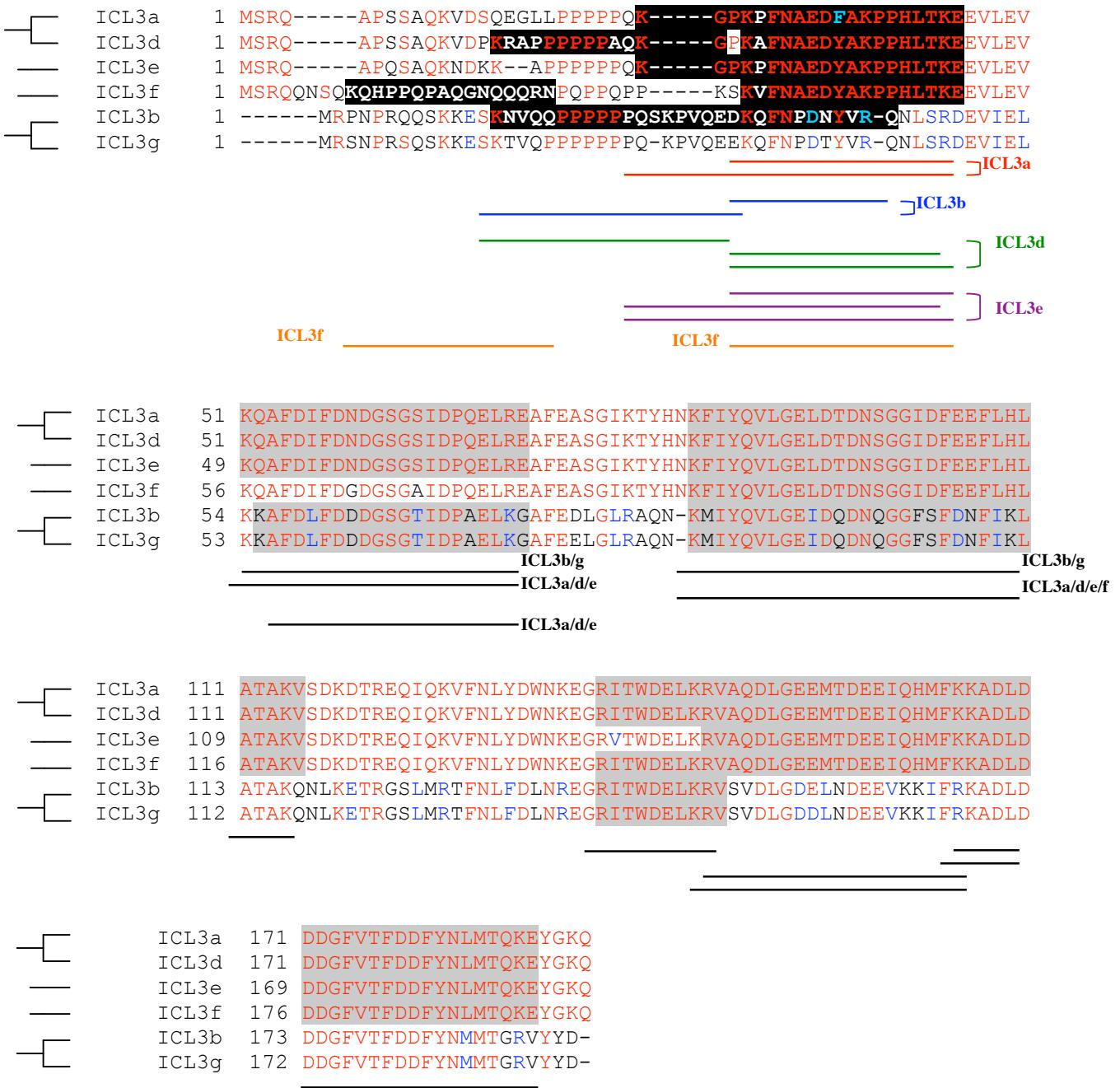
C) Localisation of the peptides along the proteins of ICL1a family



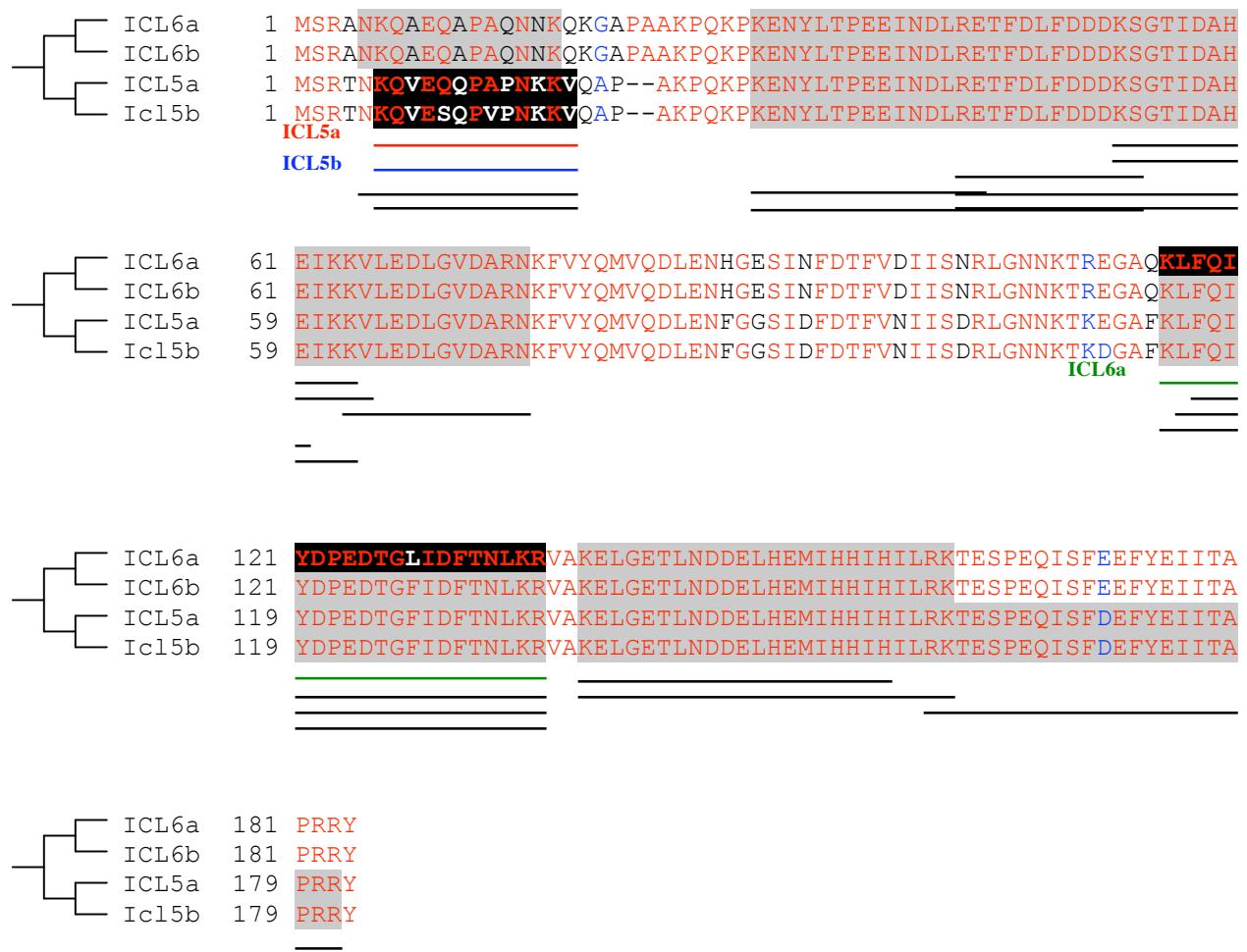
D) Localisation of the peptides along the proteins of ICL1e family.



E) localisation of the peptides along the proteins of ICL3a and ICL3b families.



F) Localisation of the peptides along the proteins of ICL5 family.



G) Localisation of the peptides along the proteins of ICL7 family.

<ul style="list-style-type: none"> — ICL7a — ICL7b 	1 MNQQ I LDKDEIALLQKPWVKNHTTLTNDHILELY R LFNLYC N PRT R RIDL K DVMITA Q Q 1 MNQQ N LDKDEIALLQKPWVKNHTTLTNDHILELY R LFNLYCDPRT R RIDL K DVMITA Q HL	 Icl7a   Icl7a  
<ul style="list-style-type: none"> — ICL7a — ICL7b 	61 GLVEKS PIVANTLSQVS D QHGDGGVD F E V RELTTKLGNT F D Q KG R QLFTLV D IDG K 61 GLVEKS PIVANTLSQVS D QHGDGGVD F E V RELTTKLGNT F E Q KG R QLFTLV D IDG K	 Icl7a   Icl7a  
<ul style="list-style-type: none"> — ICL7a — ICL7b 	121 TLDKEDLRK I S DELHLNFS Q KDIDEV I HNVAGYDA E DT A E Q FE KY LAKLTNRK IETEV 121 TLDKDDLK K I SDELHLNFS Q KDIDEI I HNVAGYDA V DT A E Q FE KY LAKLTNRK IETEV	 Icl7a   Icl7b  
<ul style="list-style-type: none"> — ICL7a — ICL7b 	181 LRTK 181 LRTK	 Icl7a  Icl7b 

H) Localisation of the peptides along the proteins of ICL8 family.

ICL8a 1 MSRREQIEKDKQALLAKPWKVKNHPIFTYDHIAEFYEMFILYAEPRKKADVRDILVTAKT
ICL8b 1 MSRRDQIEKDKQALLAKPWKVKNHPIFTYDHIAEFYEMFVILYAEPRKKADVRDILVTAKT

ICL8a 61 LGLTDKFPIIAHALDDLASSYDDAVDFETFISDLTAKLGNPFDQKGRVQLFKLIDVDGKG
ICL8b 61 LGLTDKFPIIAHALDDLASSYDDAVDFETFISDLTAKLGHPFDQKGRVQLFKLIDVDGKG

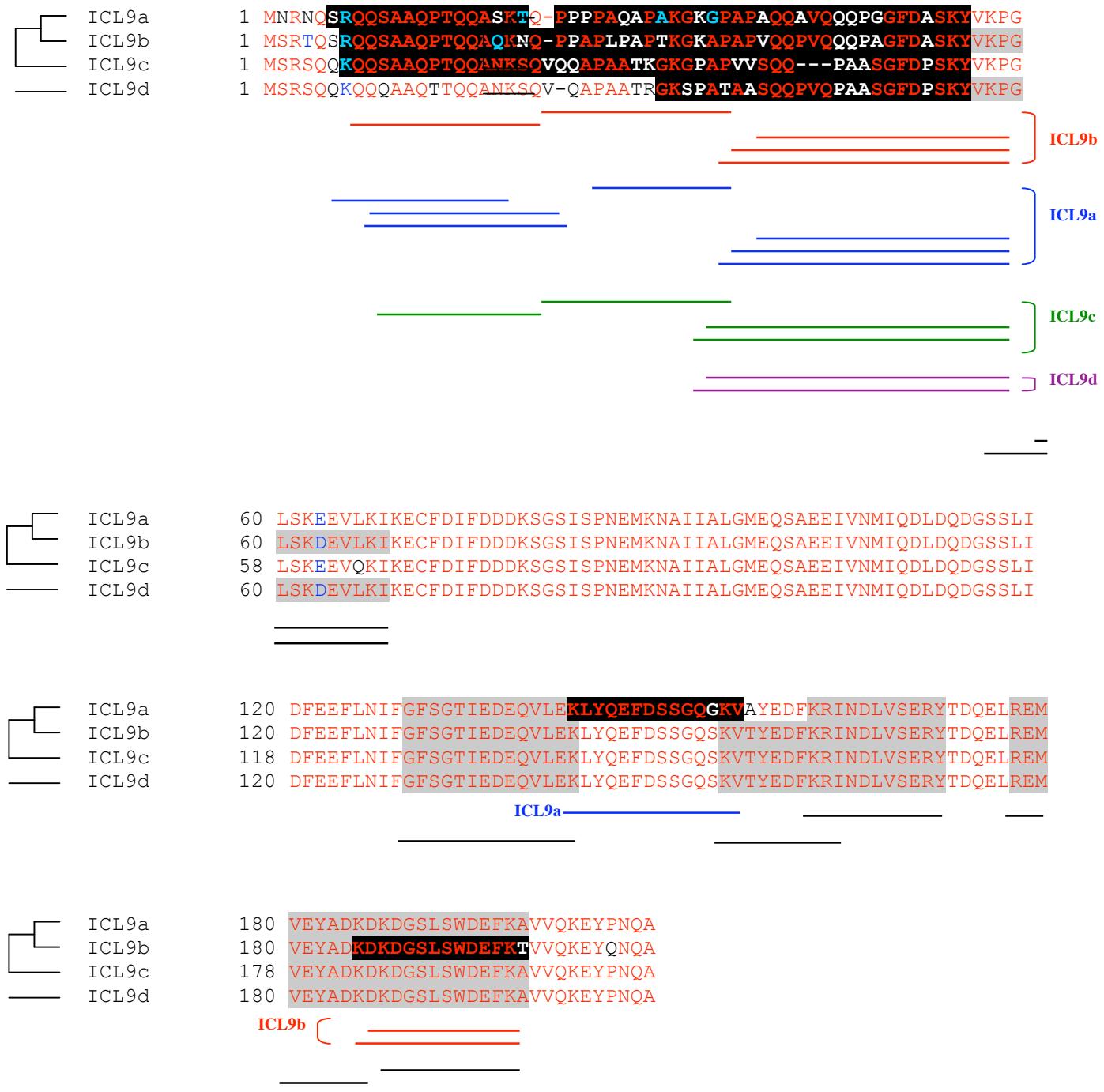
ICL8a 121 TLDKGDLHKISEELRFNLTEDDIEEIHNVAGYEAEADVTEEKFEKYLGKRVQRROVEQEI
ICL8b 121 TLDKGDLHKISEELRFNLTEDDIEEIHNVAGYEAEADVSEEKFEKYLGKRVQRROVEQEI

ICL8a

ICL8b

ICL8a 181 YRNK
ICL8b 181 YRNK

I) Localisation of the peptides along the proteins of ICL9 family.



J) Localisation of the peptides along the proteins of ICL10 family.

— ICL10a 1 MNRKKNTTSVPTLPQSKINQSLLVPPPQIMSPNQSYSTYIPPEPKFDPNDYITGSTTKRD
— ICL10b 1 MNRKKNTTSVPTLPQSKVN~~PQY~~LAPPQQLSPNQSYSTFIPPEPKFDPNDYITGSTTKRD

— ICL10a 61 IILYKEIFDFLDSNNNGVIQPMQLRKAFASAGKYQPKQIIYQMIADFDQDQSGIIEFRE
— ICL10b 61 IILYKEIFDFLDSNNNGVIQPMQLRKAFASAGKYQPKQIIYQMIADFDQDQSGIIEFRE

— ICL10a 121 FVRMMSMHPGEKDTDEDFENIFYQFDLDYKGYITIDDLREMASECNENLKDEDLENIIKA
— ICL10b 121 FVRMMSMNPGEKDTDEDFENIFYQFDIDYKGYISIDDLREMASECNENLKDEDLQNIIQS

— ICL10a 181 CDPEGNGTIRKQGFIRYMKS~~L~~QKKN
— ICL10b 181 CDPEGNGTIRKQAFIRYMKS~~A~~QKKR

K) Localisation of the peptides along the proteins of ICL11 family.

	ICL11a 1 MKNQRKSQSPFRTTQSIMRDSPTQLDESSISTNRI PQNRESTRARMKINQSHNNALAQQ ICL11b 1 MRNQRKSQSPFRTNQSVMRDSPNTQLDESSISTNRVPQNRESTRARMKINQSHNNALAQQ ICL11c 1 MRNQITSHSPFRTTQSII RDSPHTQLDESRI SNNRVPQNRESMRARMLINQSHNNIQNQG
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	ICL11a 61 GQIRKQIANERASANGGNPNEFNPKKFVTKDLKESDIIDIKQVFDYYDSEQAGILSPNDL ICL11b 61 GQIRKQIANERTSAKGGNPNEFNPKKFVTKDLKESDIIDIKQVFDYYDSEQAGILSPNDL ICL11c 61 QQVRKQIANERTQS KGGNPNEFNPKKFITKELKESDIIDIKQVFDYYDSEQAGILSPNDL
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	ICL11a 121 EQLLSSCGYHPTKETLYEIFSELDEDELGGITFEYFLG ILNQDKSKSERKDTIRR VYRKY ICL11b 121 EQLLTSFGYHPTKETLYEIFSELDEDELGGITFEYFLQ ILNQDKSKSERKDTIRR VYRKY ICL11c 121 EQLLISFGYHPSKETLYEIFSELDEEELGGITFQ YFL AILNQDKTKSEKKD VIRRVYRKY
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	ICL11a 181 DKNNKGFITLQDLRQVYYKDLKEEIDEVLAEIFKKTDSNQDGKMTFEDFY NVMTKKVYY ICL11b 181 DKNNKGFTLQDLRQVYYKDLKEEIDEVLAEIFKKTDSNQDGKMTFEDFY NVMTKKVYY ICL11c 181 DKSNKGYITLQDLRQVYYKDLKEDIIDEVLAEIFRKTD S NQDGKMTFEDFY NVITKKVYY
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