

PfERC 1 -----MMKINLY-----KLLCFICVIFLL-----HKNVVRS-----GDNMKYN
Cab45 1 MVWPWVAMASRWGPLIGLAPCCLWLLGAVLLMDASARPANHSSITREVRVANREENEILPPD
ERC55 1 -----MRLGPR-----TAALGLLLLCAA-----AAGAGKA-----EE-LHY-
RCN1 1 -----MARGGRGRRL-----GLALGLLLALVLAPRVLRAKPTVVRK-----ERVVRPD
RCN3 1 -----MMWRPS-----VLLLLLLLRHGAQGKPSPDAGPHGQ-----GR-VHQA
Calumenin 1 -----MDLRQF-----LMCLSLCTAFAL-----SKPTEKK-----DR-VHHE

PfERC 34 DMKGL---DDLSKLNDDQVKDILG-----LTKIDGAKERIEKLFHLID--KNNDKK
Cab45 61 HLNGVKLEMDGHLNRGFHQEVFLG-KDLGGFDEDAEPRRSRRKLMVIFSKVD--VNTDRK
ERC55 31 -PLGER-----RSDYDREALLGVOEDVDEYVKLGHEEQKRLQAIKKID--LSDGDF
RCN1 43 SELGERPPEDNQ-SFOYDHEAFLG-KEDSKTFDQLTPDESKERLGKIVDRID--NDGDGF
RCN3 38 APLSDAPHDDAHGNFQYDHEAFLG-REVAKEFDQLTPPEESQARLGRIVDRMDRAGDGDGW
Calumenin 32 PQLSDKVHNDAAQ-SFDYDHDAFLG-AEEAKTFDQLTPPEESKERLGKIVSKID--GDKDGF

PfERC 79 ITEEEINWSSFLKNEIF---LKQVQAEMGQIDSDDKDGFISLNELNDAFAQNI DA-KE--
Cab45 118 ISAKEMQRWIMEKTAEHFQEAMEESKTHFRAVDPDGDGHVSWDEYKVKFLASKGH-SEKE
ERC55 81 LTESELSSWIQMSFKHYA---MQEAKQQFVEYDKNSDDTVTWDEYNIQMYDRVIDFDENT
RCN1 99 VTTEELKTWIKRVQKRYI---FDNVAKVWKDYDRDKDDKISWEEYKQATYGYLGNPAE
RCN3 97 VSLAELRAWIAHTOQRHI---RDSVSAAWDTYDTRDRGVRGWEEELRNATYGHYAP-GE-E
Calumenin 88 VTVDELKDWIKFAQKRWI---YEDVERQWKGHDLNEDGLVSWEEYKNATYGYVLD-DP--

PfERC 133 -----VEKHSEGLL-----KRFQIVDKDKDGKLSINEVGLLIDPMKDEELKEL
Cab45 177 VADAIRLNEELKVDEETQEVLENLKDWRVYQADSPPADLLLTEEEFLSFLHPEHSRGM LRF
ERC55 138 ALDD-----AEESFRKLHLKDKKRFKANKQDSGPGLSLEEFIAFEHPPEEVDYMTF
RCN1 155 FHDS-----SDHHTFKKMLPRDERRFKAADLNGDLTATREEFTAFHLPPEEFHMKEI
RCN3 152 FHDV-----EDAETYKKMLARDERRFRVADQDGDGSMATREELTAFHLPPEEFPHMRDI
Calumenin 142 --DP-----DDGFNYKQMMVRDERRFKMADKDGDLIATKEEFTAFHLPPEEYDYMKDI

PfERC 176 EINEILEHHDVNKDGKISLDEF-----KQTRSDESSGVKKD-DEMALDDF-NEFDANKDGG
Cab45 237 MVKEIVRDLDQDGDQKLSVPEFISLSPVGTVENQQGQDIDDNWVKDRKKEFEELI DSNHDG
ERC55 190 VIQEALEEHDKNGDGFVSLEEFLL---GDYRWDPTANEDPEWILVEKDRFVNDYDKDNDG
RCN1 207 VVLETLEDIDKNGDGFVDQDEYI---ADMFSHEENGPEPDWVLSEREQFNEFRDLNKDG
RCN3 204 VIAETLEDLDRNKDGYVQVEEYI---ADLYSAEPGEPEPAWVQTERQQFRDFRDLNKDG
Calumenin 192 VVQETMEDI DKNADGFIDLEEYI---GDMYSHDGNTDEPEWVKTEREQFVEFRDKNRDG

PfERC 229 FIDKEEIIKVYFDPAHESGAINVNEIKENIFEKKTITYDLWNEKALKI AVTSITDYGDVI
Cab45 297 IVTAEELLES-YMDPMNEYNALN-----EAKQMIAVA DENQNHHLEPEEVLKYSEF-
ERC55 246 RLDPQELLP-WVVPNNQGI AQE-----EALHLIDEMDLNGDKKLSEEEI LENPDL-
RCN1 263 KLDKDEIRH-WILPQDYDHAQA-----EARHLVYESDKNKDEKLTKEEILENWNM-
RCN3 260 HLDGSEVGH-WVLPPAQDQPLV-----EANHLLHESD TDKDGRLSKAEILGNWNM-
Calumenin 248 KMDKEETKD-WILPSDYDHAEA-----EARHLVYESDQNKDGKLTKEEIVDKYDL-

PfERC 289 RYPEDFKLDIGKNVILPTARSRAFE DDDMDADNTEDDKDEADDASQQKSPAIDEL
Cab45 346 -FTGSKLVDYARSV-----HEEF
ERC55 295 -FLTSEATDYGRQLH-----DDYFYHDEL
RCN1 312 -FVGSQATNYGEDLT-----KN--HDEL
RCN3 309 -FVGSQATNYGEDLT-----RH--HDEL
Calumenin 297 -FVGSQATDFGEALV-----R--HDEF