Supplemental Data S1\_Amino acid sequences of 39 LcARFs

>LcARF6A

MRLSSAGFSPQTQEGEKRVLNSELWHACAGPLVSLPAVGSRVVYFPQGHSEQVAASTNKEVDAHIPNYPSLPPQLICQLHNVTMHADIETDEVYAQMTLQPLNPQEQKDAYLPAELGNPSKQPTNYFCKTLTASDTSTHGGFSVPRRAAEKVFPPLDFTQQPPAQELIARDLHDNEWKFRHIFRGQPKRHLLTTGWSVFVSAKRLIAGDSVLFIWNEKNQLLLGIRRANRPPTVMPSSVLSSDSMHLGLLAAAAHAAATNSRFTIFYNPRASPSEFVIPLAKYVKAVYHTRVSVGMRFRMLFETEESSVRRYMGTITGISDLDPVRWPNSHWRSVKVGWDESTAGERQPRVSLWEIEPLTTFPMYPSPFPLRLKRPWPPGLPAFHGIKEEDMGLNSQLMWLRGDGDRGIQSLNFQGLGVTPWMQPRLDASMLGLQTDMYQAMAAAALREMRAVDTTKPAHTSLLQFQQPQNLPSRSAALMQQQMLQQSHPQQTFLQGVQENQHQPHSQAQTQSHLLQPQLQHPQSFPNQQHQLPQPQQQQVDHQQVPTAVSAMPQFTSVSQSQSPPMQAVSSLCHQQSFSDSNGNTVTSPIVSPLHSLLGSFSQDESSHLINLPRSNPLIPSPTWPSKRVAVESLFPSGGPQCVLPQVEQLGPPQTNVSQNSISLPPFPGRECSIDQEGNADPHSHLLFGVNIEPPSLLMQNEMSSLGGVGSNSDSTTIPFASNYMSTAGTDFSVNPAITATSCIDESGFLQSPENVGQGNPPTRTFVKVHKSGSFGRSLDITKFSSYHELRGELARMFGLEGQLEDPLRSGWQLVFVDRENDVLLLGDDPWPEFVNSVWCIKILSPPEVQQMGKRGIELLNKVPIPRLSNNGCDDYASRQDSRNLSSGITSVGSLDY

>LcARF6B

MRPFSAGFSPQTQEGEKRVLNSELWHACAGPLVSLPAVGSRVVYFPQGHSEQVAASTNKEVDAHIPNYPSLPPQLICQLHNVTMHADIETDEVYAQMTLQPLNPQEQKDAYLPAELGNPSKQPTNYFCKTLTASDTSTHGGFSVPRRAAEKVFPPLDFTQQPPAQELIARDLHDNEWKFRHIFRGQPKRHLLTTGWSVFVSAKRLIAGDSVLFIWNEKNQLLLGIRRANRPPTVMPSSVLSSDSMHLGLLAAAAHAAATNSRFTIFYNPRASPSEFVIPLAKYVKAVYHTRVSVGMRFRMLFETEESSVRRYMGTITGISDLDPVRWPNSHWRSVKVGWDESTAGERQPRVSLWEIEPLTTFPMYPSPFPLRLKRPWPPGLPAFHGIKEEDMGLNSQLMWLRGDGDRGIQSLNFQGLGVTPWMQPRLDASMLGLQTDMYQAMAAAALREMRAVDTTKPAHTSLLQFQQPQNLPSRSAALMQQQMLQQSHPQQTFLQGVQENQHQPHSQAQTQSHLLQAQLQHPQSFPNQQHQLPQQQQQVDHQQVPTAVSAMPQFTSVSQSQSPPMQAVSSLCHQQSFSDSNGNTVTSPIVSPLHSLLGSFSQDESSHLINLPRSNPLIPSPTWPSKRVAVESLFPSGGPQCVLPQVEQLGPPQTNVSQNSISLPPFPGRECSIDQEGNADPHSHLLFGVNIDPPSILMQNEMSSLGGVGNNSDSTTMPFASNYMSTAGTDFSVNPAITPTSCIDESCFLQSPENVGQGNPPTRTFVKVHKSGSFGRSLDITKFSSYHELRSELARMFGLEGQLEDPLRSGWQLVFVDRENDVLLLGDDPWPEFVNSVWCIKILSPPEVQQMGKRGIELLNKVPIPRLSNNGCDDYASRQDSRNLSSGITSVGSLDY

>LcARF6C

MRLKTCVPPAPKPKVKTYDKLMTCELTSFELAPPQLVKTTVDNLGEKKCLNSELWHACAGPLVSLPPVGSRVVYFPQGHSEQVAASTNKEVDAHIPNYPSLPPQLICQLHNVTMHADVETDEVYAQMTLQPLSPQEQKDVYLLPAELGTGNKQPTNYFCKTLTASDTSTHGGFSVPRRAAEKVFPPLDYSLTPPAQELIARDLHDNEWKFRHIFRGQPKRHLLTTGWSVFVSAKRLVAGDSVLFIWNDKNQLLLGIRRANRPQTVMPSSVLSSDSMHIGLLAAAAHAAATNSRFTIFYNPRASPSEFVIPLAKYVKAVYHTRVSVGMRFRMLFETEESSVRRYMGTITGISDLDPVRWPNSHWRSVKVGWDESTAGERQPRVSLWEIEPLTTFPMYPSPFPLRLKRPWPSGLPSFPVVKDGDMSINSSLMWLQGGVGDQGIQSLNFQGFGVSPWMQPRLDTSMPGLQPDVYQAMAAAALQEMRTVDSSKLASQSLLQFQQSQSASNGPASLIPRQMLQQSHPQNAYVQSFQDNQASAQAQLLQQQLQRQHSYNDQRQQQQQVQQPQQMPQLSVQPQIPNIISALPHLASTSQSQPPTLQAIAPQCQQPSFSDSLGNPIATSDVSSVHSILGSLSQDGSSHLLSSNVSNPIITSSSIITKQVSVDPHLSSGVSHCVLPQVEQFGTQQSNVSELANLLPPFPGREYSSYQGSADPQNNLLFGVSIDSSSLMAQHGLQNLKNIGSENDSLSLPFAASNFTSAVGTDFPLNSEMTTSSCVDESGFLPSSENVEQVNTSNRTFVKIPNIISALPHLASTSQSQPATLQAIAPQCQQPSFSDSLGNPMVTSDVSSVHSILGSLSQDGSSHLLSSNVSNPIITSSSIITKQVSVDPHLSSGVSHCVLPQVEQFGTQQSNVSELANLLPPFPGREYSSYQGTADPQNNLLFGVSIDSSSLMAQHGLQNLKNIGSENDSLSLPFAASNFTSAVGTDFPLNSEMTTSSCVDESGFLPSSENVEQVNTSNRTFVKVHKSGSFGRSLDISKFSSYDELRSELARLFGLEGQLEDPQRSGWQLVFVDRENDVLLLGDDPWQEFVNNVWYIKILSPLEVQQMGKEGLSSMSSVPGQRLSNNNCDDYLSRQELRSSSNGVASMGSLDY

>LcARF6D

MRIKWRDGAHHKEKEGASCDLRGREKKCLNSELWHACAGPLVSLPPVGSRVVYFPQGHSEQVAASTNKEVDAHIPNYPSLPPQLICQLHNVTMHADVETDEVYAQMTLQPLSPQEQKDVYLLPAELGTGNKQPTNYFCKTLTASDTSTHGGFSVPRRAAEKVFPPLDYSLTPPAQELIARDLHDNEWKFRHIFRGQPKRHLLTTGWSVFVSAKRLVAGDSVLFIWNDKNQLLLGIRRANRPQTVMPSSVLSSDSMHIGLLAAAAHAAATNSRFTIFYNPRASPSEFVIPLAKYVKAVYHTRVSVGMRFRMLFETEESSVRRYMGTITGISDLDPVRWPNSHWRSVKVGWDESTAGERQPRVSLWEIEPLTTFPMYPSPFPLRLKRPWPSGLPSFPGLKDGDMSINPSLMWLQGGVGDQGIQSLNFQGFGVSPWMQPRLDTSMPGLQPDVYQAMAAAALQEMRTVDSSKLASQSLLQFQQSQSASNGPASLIPRQMLQQSHPQNAYVQSFQDNQASAQAQLLQQQLQRQHSYNDQRQQQQQVQQPQQMPQLSVQPQIPNIISALPHLASTSQSQPPTLQAIAPQCQQPSFSDSLGNPIATSDVSSVHSILGSLSQDGSSHLLSSNVSNPIITSSSIITKQVSVDPHLSSGVSHCVLPQVEQFGTQQSNVSELANLLPPFPGREYSSYQGTADPQNNLLFGVSIDSSSLMAQHGLQNLKNIGSENDSLSLPFAASNFTSAVGTDFPLNSEMTTSSCVDESGFLPSSENVEQVNTSNRTFVKVHKSGSFGRSLDISKFSSYDELRSELARLFGLEGQLEDPQRSGWQLVFVDRENDVLLLGDDPWQEFVNNVWYIKILSPLEVQQMGKEGLSSMSSVPGQRLSNNNCDDYLSRQELRSSSNGVASMGSLDY

>LcARF8A

MHADVETDEVYAQMTLQPLTPQEQKDTFVPMELGIPSKQPTNYFCKTLTASDTSTHGGFSVPRRAAEKVFPSLDFTQQPPAQELIARDLHDVEWKFRHIFRGQPKRHLLTTGWSVFVSAKRLVAGDAVLFIWNEKNQLLLGIRRAVRPPTVMPSSVLSSDSMHIGLLAAAAHAAATNSCFTVFYNPRASPSEFVIPLSKYVKSVFHTRISVGMRFRMLFETEESSVRRYMGTITGINDLDPVSWPNSHWRSVKVGWDESTAGDRQPRVSLWEIEPLTTFPMYPSLFPLRLKRPWHPGPSALHDNRDQAANLLMWLRGGTGEQALPSINFQSVGMHPWMQQRLDSSLLGNDANQQYQAMFAAGMQSGDPVRQQVMQLQQPFQHLQQTGSQNPLLQLKQEQHQDAIHQSISNNLLQPHSEILTQNMPRHLLQQLNNQPVEQAQQRIYNDALQSQSDQLLLRQQSNVPSPSFPKTDFMDSSTEIPASITPMQNMLGSLPEGNGSLLNFPRTGQSMHNDQLTQQQSWGQKYARSEVHAFLNSVSHPPSYNGKDAVVEPENCNSDAQTSTIFGLNMDSAGLLLPTTVSSFNTSVDPDMSSMPLGDSGFHNSLYGCMEDSSELLHDARNVDRPTPPETFVKVYKSGSVGRSLDISQL

>LcARF8B

MKLSTSGLGQQGHEGEKKCLNSELWHACAGPLVSLPTVGTRVVYFPQGHSEQVAASTNKEVDCQIPNYPSLPPQLICQLHNVTMHADVETDEVYAQMTLQPLTPQEQKDTFVPMELGIPSKQPTNYFCKTLTASDTSTHGGFSVPRRAAEKVFPSLDFTQQPPAQELIARDLHDVEWKFRHIFRGQPKRHLLTTGWSVFVSAKRLVAGDAVLFIWNEKNQLLLGIRRAVRPPTVMPSSVLSSDSMHIGLLAAAAHAAATNSCFTVFYNPRASPSEFVIPLSKYVKSVFHTRISVGMRFRMLFETEESSVRRYMGTITGINDLDPVSWPNSHWRSVKVGWDESTAGDRQPRVSLWEIEPLTTFPMYPSLFPLRLKRPWHPGPSALHDNRDQAANLLMWLRGGTGEQGLPSINFQSVGMHPWMQQRLDSSLLGNDANQQYQAMFAAGMQSGDPVRQQVMQLQQPFQHLQQTGSQNPLLQLKQEQHQDAIHQSISNNLLQPHSEILTQNMPRHLLQQLNNQPVEQAQQQRIYNDALQSQSDQLLLRQQSNVPSPSFPKADFMDSSTEIPASITPMQNMLGSLPEGNGSLLNFPRTGQSMHNDQLTQQQSWGQKYARSEVHAFLNSVSHPPSYNGKDAVVEPENCNSDAQTSTIFGLNMDSAGLLLPTTVSSFNTSVDPDMSSMPLGDSGFHNSLYGCMQDSSELLHDARNVDRPTPPETFVKVYKSGSVGRSLDISRYNELREELAQMFGIEGKLEDPLRSGWQLVFVDRENDVLLLGDDPWDAFVNNVWYIKILSPEDVQKMGEQGVESFNPSSGHSSRNGARDPVSSLEY

>LcARF5A

MKTGDLVGVGRAQTTLLEEMKLLKEMQDQSGTRKTINSELWHACAGPLVSLPQVGSLVYYFPQGHSEQVAVSTKRTATTQIPNYPNLPSQLLCQVHYVTLHADKETDEIYAQMSLQPVNSEKDVFPIPDFGLKPSKHPNEFFCKTLTASDTSTHGGFSVPRRAAEKLFPPLDYTMQPPSQELVVRDLHDNTWTFRHIYRGQPKRHLLTTGWSLFVGSKRLRAGDAVLFIRDEKSQLLVGVRRANRQQTALPSSVLSADSMHIGVLAAAAHAASNRTSFTIFYNPRACPSEFVIPLAKYRKSVYGTQISVGMRFGMMFETEESGKRRYMGTIVGISDLDPLRWPGSKWRNLQVEWDEPGCSDKQKRVSSWEIETPESLFIFPSLTSGLKRPFHPGLLGAEVEWGNLMKRPLPRPPEIGNGAIPYSSISNLCSEQLLRMMLRPQLVNHSGTFTSSLSQTSAVKGTLPIVFSFASQVEWDEPGCSDKQKRVSSWEIETPESLFIFPSLTSGLKRPFHPGLLGAEVEWGNLLKRPLPRPPEIGNGVIPYSSISNLCSEQLLRMMLRPPLVNHSGTFASSLPQTSAVKGTPLEEVKTLQATVNQKPQLIQSENTIIESQNCFQSGLDQADTINSSSSKINLPERPNPSSKCDKQTPAGTNIDSLKSEPEQSTHQLSHLTSTAECSEEKLVSSPLNPQTILNQLMLQNQNQGLMQLQSSMWPIQSPLESSVFQAQQVNLPQSDSANLNGLLPFSDAEEWIYNKVSGPLSMYGLQDPSTAFPEVINPPLPSTGQDMWDHQLNNLKFLSQVDQFTPFAQQDMSNLNSNGLRDLSDESNNQSGIYSCLNVDVSNGGGTVIDHSVSSAILDDFCTLKDANFQNPTDCLMNNFSSSQDVQSQITSVSLADSQAFSRQDFPDNSGGTSSSNVDFDENSLLQKTSWQQVAPPVRTYTKVQKAGSVGRSIDVTTFKNYEELRSAIERMFGLEGLLTDPRGSEWKLVYVDYENDVLLVGDDPWEEFVGCVRCIRILSPQEVQQMSEEGMKLLNSAAMQGIDCSMAGGDRA

>LcARF5B

MKTGDLVGVGRAQTTLLEEMKLLKEMQDQSGTRKTINSELWHACAGPLVSLPQVGSLVYYFPQGHSEQVAVSTKRTATTQIPNYPNLPSQLLCQVHYVTLHADKDTDEIYAQMSLQPVNSEKDVFPIPDFGLKPSKHPNEFFCKTLTASDTSTHGGFSVPRRAAEKLFPPLDYTMQPPTQELVVRDLHDNTWTFRHIYRGQPKRHLLTTGWSLFVGSKRLRAGDAVLFIRDEKSQLLVGVRRANRQQTALPSSVLSADSMHIGVLAAAAHAASNRTSFTIFYNPRACPSEFVIPLAKYRKSVYGTQISVGMRFGMMFETEESGKRRYMGTIVGISDLDPLRWPGSKWRNLQVEWDEPGCSDKQKRVSSWEIETPESLFIFPSLTSGLKRPFHPGLLGAEVEWGNLLKRPLPRPPEIGNGVIPYSSISNLCSEQLLRMMLRPPLVNHSGTFASSLPQTSAVKGTPLEEVKTLQATVNQKPQLIQSENTIIESQNCFQSGLDQADTINSSSSKINLPERPNPSSKCDKQTPAGTNIDSLKSEPEQSTHQLSHLTSTAECSEEKLVSSPLNPQTILNQLMLQNQNQGLMQLQSSMWPIQSPLESTVFQAQQVNLPQSDSANLNGLLPFSDAEEWIYNKVSGPLSMYGLQDPSTAFPEVINPPLPSTGQDMWDHQLNNLKFLSQVDQFTPFAQQDTSNLNSNGLRDLSDESNNQSGIYSCLNVDVSNGGGAVIDHSVSSAILDDFCTLKDANFQNPTDCLMNNFSSSQDVQSQITSVSLADSQAFSRQDFPDNSGGTSSSNVDFDENSLLQKTSWQQVAPPVRTYTKVQKAGSVGRSIDVTTFKNYEELRSAIERMFGLEGLLTDPRGSEWKLVYVDYENDVLLVGDDPWEEFVGCVRCIRILSPQEVQQMSEEGMKLLNSAAMQGIDCSMAGGDRA

>LcARF7A

MNQWMTRVAGDKKIINSELWHSCAGPLVNLPAAGTHVVYFPQGHSEQVAASMRKDVDGQIPNYPNLPSKLLCLLHNVTLHADPETDEVYAQMTLQPVPSFDKDALLRSDLALKSNKPLTEFFCKTLTASDTSTHGGFSVPRRAAEKIFPQLDFSMQPPAQELVARDLHDNVWTFRHIYRGQPKRHLLTTGWSLFVSGKRLFAGDSVLFIRDEKQQLLLGIRRANRQPANLSSSVLSSDSMHIGILAAAAHAAANNSPFTVFYNPRASPSEFVVPLAKYYKAVYSSQISLGMRFRMMFETEESGTRRYMGTITGISDLDPVRWKNSQWRNLQVGWDESNAGERRNRVSIWEIEPVTAPFFICPPPFFRSKHSRSDDESDIDNLFKRTMPWLGDEFSMKDSQALPALSLVQWMNMQQNPSLANTVQSNYLHSLSGSVLQNLAGADLSRQLCLQSQIPQPNNIQFNAQRPPQQAQQVEQLQKLPSMVNQLGSIMPPQQQMGDIAQQSRQNQITKGNNLTNGRFSHPPQQPKLQQQQPGMLPEMPGHVGLPPTQIINQPSTAGSNVLTGAAGAGQSVVTDDLPSCSTSPSTNNCQNVVSPMMHNRPNRSTTMGEDMAQSTTMALCSSGLETMSYNGNLVKDFQHKSDVKPSLNISRNQNQGFLAPQTYLNGATTQTDYLDTSSSTTSVCLSQNDVHFQHNNNSLSYHPPSMLRDVSQDGEGRADPRSSLPYGASIDDCEMFFKSCILL

>LcARF7B

MKTPANGAAGASSVAGXXXXXTPEGDKKMINSELWHSCAGPMVNLPAAGTHVVYFPQGHSEQVAASMGKDVDGQIPNYPNLPSKLLCLLHNVTLHADPETDEVYAQMTLQPVPSFDKDALLRSDLALKSNKPQTEFFCKTLTASDTSTHGGFSVPRRAAEKIFPQLDFSMQPPAQELEARDLHDNVWIFRHIYRGQPKRHLLTTGWSLFVSGKRLFAGDSVLFIRDEKQQLLLGIRRANRQPANLSSSVLSSDSMHIGILAAAAHAAANNSPFTIFYNPRASPSEFVVPLAKYYKAVYSSQISLGMRFRMMFETEESGTRRYMGTITGISDLDPVRWKNSQWRNLQVGWDESNAGERRNRVSIWEIEPVTAPFFICPPPFFRSKHSRSDDESDIDNLFKRTMPWLGDEFSMKDSQALPALSLVQWMNMQQNPSLANTVQSNYLHSLSGSVLQNLAGADLSRQLGLQSQIPQPNNIQFNAQRLPQQAQQIEQLQKLPSTVNQLGSIMPPQQQMGDITQQSRQNMITQTLPSGQIQAQILQPQGLVQNNNIVHQQPSFQNPQVPVNLPQNLQQQQQQQQQHIMGQNQQQNLMQSQLPDQVNQHLQMTDKQIQLQLLQKLQQQQQSFLAQQSALQQPAQLPQIQDQHRQLLDVSQSFSRSVTSTQMLDLPQATSTSLPQSNLISQQITKGNNLTNGRFSHPPQQPKLQQQQPGMLPEMPGHVGLPPTQITNQPSTAGSNVLTGAAGAGQSVVTDDLPSCSTSPSTNNCQNVIPPMMHNRPNRSTTMGEDMAQSTTIALCSSGLETMSYNGNLVKDFQHKSDVKPSLNISRNQNQGFLAPQTYLNGATTQTDYLDTSSSTTSVCLSQNDVHFQHNNNSLSYHPPSMLRDVSQDGEVRADPRSSLPYGANIDNIVYKRGAVGRSIDITRYSGYDELKQDLARRFGIEGQLEDHQRIGWKLVYVDHENDVLLVGDDPWEEFVSCVRCIKILSPQEVQQMSLDGDFGNSVLPNQACSSSDNGNT

>LcARF19A

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>LcARF19B

MKAPANGFLANSAEGDRKSINSELWHACAGPLVSLPPVGSLVVYFPQGHSEQVAASMQKENDFIPSYPNLPSKLICMLHNVTLHADPETDEVYAQMTLQPVNKYEKEALLASDMGLKQNRQPTEFFCKTLTASDTSTHGGFSVPRRAAEKIFPPLDFSMQPPAQEIVAKDLHDTTWTFRHIYRGQPKRHLLTTGWSVFVSTKRLFAGDSVLFIRDEKSQLLLGIRRANRQQPALSSSVISSDSMHIGILAAAAHAAANNSPFTIFYNPRASPSEFVIPMAKYNKAMYTQVSLGMRFRMMFETEESGVRRYMGTITGISDLDALRWKGSQWRSLQVGWDESTAGERPSRVSIWEIEPVVTPFYICPPPFFRPKFPKQPGMPDDESDIENAFKRAMPWLGDDFGMKDAPNSIFPALSLVQWMSMQQNNQFPAAQSGLFPSMVSPTNFLTRNQQGPAILAGDSVVEPASNLVQELHNKSDIRMKHELLSSKGPDHLKYKGGVTDQLEASSSGTSYCLDPSNIQQNFSLPTYCLDGDVQSNSRNNVPFAANMDGMAPDTLLSRGYDSQKDLQNLLSNYGGAPRDIETELSTAGISSQSFGVPNISFKPSCSNDVAINEAGVLSGGLWANQTQRMRTYTKVQKRGSVGRSIDVTRYKGYDELRHDLARMFGIEGQLEDPQSSDWKLVYVDHENDILLVGDDPWEEFVSCVQSIKILSSAEVQQMSLDGDLGNNANLPVPNQACSGTDSGNAWRAQYDDNSATSFR

>LcARF17A

MPQQRRPSPSQPSRVDPAVWRACAGSLVQIPTVHSRVYYFPQGHLERSSPSPTVLSSLNISSAVIQCVVSQLHFLADPVTDQVFAKVLLTPVNTLEPSREQQQPQHQMEDRNVENYVHENVVAPFAKILTPSDANNGGGFSVPRFCADSIFPPLNYQADPPVQTLSITDIHGHVWDFRHIYRGTPRRHLLTTGWSKFVNRKKLIAGDSVVFMRDSMGMLFVGIRRAERYGSSGGDGARWGEHSGVKVEAFTEALERASLGLPFEVVYYPRTGWPDFIVRADVVEAAMKIFWTAGVRVKMVTETEDSSRVTWFQGTVSDASMPTTGPWCGSPWRMLEVTWDEPEVLLNVKRVSPWQLEFVSSSLPLHTPFPSAKRLKFPQNSGLVTDGEEDIFSPLRGLTNSTMGQMNPSSLNCNTFPVGMQGARQNTNSIFSLSNFISENTHQTCTENTTGINIVPKLKNVCTELNMGSSQSENLSPDSHSSAYSFGTELGNQGCNSSKIGASSFQLFGKIIHMNQPVESGFDDVACVEDDGGKEFNETEGVNKPTDLSLTYTALLNRFGVQCQGESADEETCSL

>LcARF17B

MPQQRRPSPSQPSRVDPAVWRACAGSLVQIPTVHSRVYYFPQGHLERSSPSPTVLSSLNISSAVIQCVVSQLHFLADPVTDQVFAKVLLTPVNTLEHSREQQQPRHQMEDRNVENYVHENVVAPFAKVLTPSDANNGGGFSVPRFCADQPPLSLDPPVQTLSISDIHGHVWDFRHIYRGTPRRHLLTTGWSKFVNRKKLVAGDSVVFMRDSMGMLFVGIRRAERYGSSGGDGSRWGEHSGVKVEAVTEALERASLGLPFEVVYYPRTGLPDFIVRADVVEAAMKIFWTAGVRVKMVTETEDSSRVTWFQGTVSDASMPTTGPWCGSPWRMLEVTWDEPEILLNVKRVSPWQLEFVSSSLPLHTPFPSAKRLKFPQNSGLVTDGEEDIFSPLRGLTNSTMGQMNPSSLNCNTFPVGMQGARQNTNSIFSLSNFISENTHQTCTENTTGINIVPKLKNVCTELNMGSSQSENLSPDSHSSAYSFGTELGNQGCNSSKIGASSFQLFGKIIHMNQPVESGFDDVACVEDDGGKEFNETEGANKPTDLSLTYTALLNRFGVQCQGESADEETCSL

>LcARF16A

MNRVMDSDKNSSIKKNSTESCLDAQLWHACAGGMVQIPPINSKVVYFPQGHLEHAKGNNTELSNLHIPCMIPCRVSGIKYMADTETDEVYAKIRLISLKNNGLDDFEDVGKGECGEKPPSFAKTLTQSDANNGGGFSVPRYCAETIFPRLDYSAEPPVQTILAKDVHGEVWKFRHIYRGTPRRHLLTTGWSNFVNQKKLVAGDSIVFLRADNGDLCVGIRRAKKGGIADGSDYSSVGSWNSSGFPFASGYSVYVRGDDSKLMRRNSNTDFRANVSADSVVRAATLAANAQPFEVVYYPRASTPEFVVKASAVRAAMQIQWCSGMRFKMAFETEDSSRISWFMGTISSVQVADPIRWPNSPWRILQVAWDEPDLLQNVKRVNPWLVELVSSIPAIHLSTFSPPRKRLRLPEHPEFPLINQVPMPSFSRNPVMFSSPLGCVRDSTPAGIQGARHAHYGPSLSDLQFNKLQLGQFPVGFQHHHHHPTMAPRIPSCNFISDTENNDNISSWLTMGNPTQSFKENNETKTPHILLFGQLILPQQNSSQSCSGDTLRNSSSDGNLEKTVISSDGSGSAVHQNGPLENSSDEGSPWCKDHQKSYISLETGHCKVFMESEDVGRTLNLSVLGSYEELYGKLANMFGIESSEMFSNVSYRDAAGSTKHTGDEPFSEFLKTARRLTILTDSSSDNVGS

>LcARF16B

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>LcARF16C

MDKCLDSQLWHACAGGMVQMPPVNSKVFYFPQGHAEHACGPVDFRNCPRIPPYILCRVSAIKFMADPETDEVFAKIKLVPISNNEPGFDDDVILNREQEKPPSFAKTLTQSDANNGGGFSVPRYCAETIFPRLDYSADPPVQTILAKDVHGETWKFRHIYRGTPRRHLLTTGWSTFVNHKKLVAGDSIVFLRAENGDLCVGIRRAKRGIGGGPEVSSGWNGNYVSPYGGFTAFLREDEGKLMRNGNGSSSHSGNGGLMGKGKVRPESVIEAATLAANRQPFEVVYYPRASTPEFCVKASLVKAALQIRWCSGMRFKMAFETEDSSRISWFMGTISSVLVSDALYWPDSPWRLLQVTWDEPDLLQNVKRVSPWLVELVSNMPAFHLSTFSPPRKKTRLPQHPDFPLDGQLPMPTFPGNLLGHNSPFGCLPDNTPAGMQGARHAHYGLSLSDHHLNKLQSGLFSAGFPPLDRAAPPTRASSSPVIQKPSMSENVSCLLTMAHSTQTSKKPDNAKTPQLVLFGQPILTEQQISLSCSGDTVSPVLTGNSSSEGNLDKMANFSDNSGSAVHQQGLSERSFCEGLQWYRDNRQETDNLETGHCKVFMESEDVGRTLNLSLLGSYDELYKKLADMFGIENSETLSHVLYRDVTGAVKHIGDEPFSDFMKTARRLTILMDSSSDNVGM

>LcARF16D

MDKCLDSQLWHACAGGMVQMPPVNSKVFYFPQGHAEHACGPVDFRNCPRIPPYILCRVSAIKFMADPETDEVFAKIKLVPISNNEPGFDDDVILNREQEKPPSFAKTLTQSDANNGGGFSVPRYCAETIFPRLDYSADPPVQTILAKDVHGETWKFRHIYRGTPRRHLLTTGWSTFVNHKKLVAGDSIVFLRAENGDLCVGIRRAKRGIGGGPEVSSGWNGNCVSPYGGFTAFLREDEGKLMRNGNGNVNGSSSHSGNGGLMGKGKVRPESVIEAATLAANRQPFEVVYYPRASTPEFCVKASLVKAALQIRWCSGMRFKMAFETEDSSRISWFMGTISSVLVSDALYWPDSPWRLLQVTWDEPDLLQNVKRVNPWLVELVSNMPAFHLSTFSPPRKKTRLPQHPDFPLDGQLPMPTFPGNLLGHNSPFGCLPDNTPAGMQGARHAHYGLSLSDHHLNKLQSGLFSAGFPPLDRAAPPMRASSSPVIQKPSMSENVSCLLTMAHSTQTSKKPDNAKTPQLVLFGQPILTEQQISLSCSGDTVSPVLTGNSSSEGNLDKMANFSDNSGSAVHQQGLSERSFCEGLQWYRDNRQETDNLETGHCKVFMESEDVGRTLNLSLLGSYDELYKKLADMFGIENSETLSHVLYRDVTGAVKHIGDEPFSDFMKTARRLTILMDSSSDNVGM

>LcARF10A

METEKSIDPQLWHACAGSMVQIPPMNSTVFYFPQGHAEHCFGSVNFPSSTTPIPPLLLCRVTCLKFLADSETDEVYAKIRLVPLPATSDVDFEDSTNSMSLNSDTDSEKPASFAKTLTQSDANNGGGFSVPRYCAETIFPRLDYTADPPVQTVVAKDVHGEIWKFRHIYRGTPRRHLLTTGWSTFVNQKKLVAGDSIVFLRAQNGDLCVGIRRAKKGIDSPSSGWNSNSGSGVGVSPYGGFSCFLREEENKMMRNGAMSLNSNGSCNSSGNLRGSGGGSKVKPDAVVEAVALAVGGQPFEVVYYPRASTPEFCVKASAVRAAMRVHWCSGLRFKMAFETEDSSRISWFMGTISSVQVADPIRWPNSPWRLLQVTWDEPDLLQNVKRVSPWLVELVSNMPVLHLSPFSPPRKKLRLPQQLDFPLDGQFSMPSFSGNPLGPSSPLCCLSDNTPAGIQGARHAQFGTSLSDFHVYNKLQSGLFMSSFQRFNPQSRISDSIMANHTNSNENLSCLLTVGNSSQNLEKCNNVKKHQFVLFGQPILTEQQISHSCSSEAVTQVLGKSLSDEISGKAKASSDGSGITRELQISPQKSSSPEYFWNRGLQTTDPGLDTGHCKVFMESEDVGRTLDLSVFGSYEELYRRLANMFGIERSEMLNHVLYQDAAGAVKRIGDQPFSDFIRKAKRLTILMGSGSDNVGRTWITGMRNADNGLDTPNKTGPLSIFA

>LcARF10B

METEKSIDPQLWHACAGSMVQIPPMNSTVFYFPQGHAEHCFGSVNFPSSTTPIPPLLLCRVTCLKFLADSETDEVYAKIRLVPLPATSDVDFEESTNSMSLNSDTDSEKPASFAKTLTQSDANNGGGFSVPRYCAETIFPRLDYTADPPVQTVVAKDVHGEIWKFRHIYRGTPRRHLLTTGWSTFVNQKKLVAGDSIVFLRAQNGDLCVGIRRAKKGIDSPSSGWNSNSGSGVGVSPYGGFSCFLREEENKMMRNGAMSLNSNGSCNSSGNLRGSGGGSKVKPEAVVEAVALAVGGQPFEVVYYPRASTPEFCVKESAVRAAMRVHWCSGLRFKMAFETEDSSRISWFMGTISSVQVADPIRWPNSPWRLLQVTWDEPDLLQNVKRVSPWLVELVSNMPVLHLSPFSPPRKKLRLPQQLDFPLDGQFSMPSFSGNPLGPSSPLCCLSDNTPAGIQGARHAQFGTSLSDFHVYNKLQSGLFMSSFQRFNPQSRISDSIMANHTNSNENLSCLLTVGNSSQNLEKCNNVKKHQFVLFGQPILTEQQISHSCSSEAVAQVLGKSLSDEISGKAKASSDGSGITRELQISPQKSSSPEYFWNRGLQTTDPGLDTGHCKVFMESEDVGRTLDLSVFGSYEELYRRLANMFGIERSEMLNHVLYQDAAGAVKRIGDQPFSDFIRKAKRLTILMGSGSDNVGRIWITGMRNADNGLDTPSKTGPLSIFA

>LcARF4A

MEINPELTTTQSKKKDAETEVENKDFTAVFMENKEDFTAVFDEYSGGVYAETEAKNKGFTAVSMENKEDLTTFFDEDSDYNLDLWRALVGNRPSLPKKDDLVVYFPQDHLEYAALITSSSFSSSEVPTFNLQPEIICSVQHVQLIANKMTDETCAHVTLLPEQKLEGTNPKGEEVMKSGVSKAKDRRRPTKAALHVFPVTLSKPEDLQTISIPVDAYEVFRLRNFRFSTQVVSAEDVQGTVWIFYIEYADSPRKYQITRGWTEFLRRKRLSLKDTVAFVSCGDRKLRLVIKRFGCECGVPMSILAKYYQCSSVLSPVADAILKGSPFNVFYCGRVGSADFIIPYQKYMESITRLGMIGAKFETMDALSQRCSGVVTGISELDPFNWPNSKWKCLMVSWDNAANKKPLKEAVSPWEIVLKVPSSSDSSIDISPKLEKPRTVRLLNISLPLHDPAEREKQASVMGLEGFQRKINHVIDIIEQAPAPQTAFPKALSSDKLQRNSSPKAWEKLNTSLYDPAEREKQASAMVQEEFQRKEFPLKRIVDIIKQGPAPQTAFLEALSSDKLQRNSRSRAWNKLNTSFYDPAGTSFVLFDDKLEERGKQASVMVQEEFQQKEFPLKRIVDIIKQGPAPQTAFSEALSSDKLQRNSRSRAWNKLNTSFYDPAGTSFVLFDDKLEERGKQASVMVQEEFQRKEFPLKRIVDIIKQGRAPQIAFPKALSSDELQRNSRPRARKKRSGFDTDRDSSLASSKKRKSATIVTPTHFKISKRPDQELMICFERGVSKATHDKVSVDRLKPLQMQFSHAQQICESTAPFPDKGDVSSSIMTQPSSRLKRQRKLDSSPVDIETEGFLDELKPLEMQSPESKQVLPSTTPFPGKGDVSSSIMAQPSSRLKKELENSPLDSFRFTPLTGNCCLASLSESKSTTDVKQLKISNCSGHDVWFHLKGDHCFEYLEFDSCSFPSSTSLHIPIILKELKITNCLVTECVFTSLMDPKVSVESLEIDSCSSLHSISIDNIPASLRQLKIVNCMNLKSLSESIFESSKHHSVSLGPLNYSDLSKIDSIGTLELRKLVIQNCLELEYLPEDLHKLCNLDVLSIKNCCSLEYFPEGGLPKTCLRSLKISECENLKRLPNQLEEVTSLQKLSICGCSSLVSFQEGGLPPNLVSLRIINCENFFLDLSQWDLDKLKHLKLCSFIGGCPDS

>LcARF4B

MEIDLNHAFCNGDCEKNSGCVYCLSSSSSSSCSSNSGSSPLSSSIYLELWHACAGPLTSLPKKGNVVVYFPQGHLEQLASSSPYPPLEGSNFDLQPQIFCKVVDVQLLANKENDEVYTQVTLLPQPELVGPNSEGKDLEELSVDEDGNGGSPTKSTPHMFCKTLTASDTSTHGGFSVPRRAAEDCFPPLDYKQQRPSQELVAKDLHGVEWRFRHIYRGQPRRHLLTTGWSIFVSQKNLVSGDAVLFLRGDNGELRLGIRRAVRPRNGLPESVLQNSYPNALSLVANAISTKSMFHVFYSPRASHAEFVVPYQKYVKSITNPVCVGTRFKMRFEVDDSPDRRCNGVVTGMSDLDPYRWPNSKWRCFMVRWDEDIGSDHQERVSPWEIDRSVSLPPLNIQSSPRLKKLRTSLQATPPDYPVAAGGGGFLDFEDSIRTSKVLQGQENVGFVSSLYGRDTANRPLDFEMRAPIHQNLALPRLEKGNVTKFVARPTTYTGFMESDRFPKVLQGQEICPLRSLAGKVDLNLGAWGKPNLGCNSFNMYPAAKPSFYPLPSENLRTMYFPYNDMYKNGQDPTMRAYATSFQRENAQFNSPSIQKRVVGDEVRKPILLNEHKPADSIPTPTFKTTLRNQKEDTFSGTVAGCKLFGFSLTGETPSPSSQNSGKRSCTKVHKQGSLVGRAIDLSRLNGYNDLLTELEQLFSMEGLLRDPDKGWRILYTDSENDVMVVGDDPWHEFCNVVSKIHIYTKEEVEKMTIGMITDDTQSCLDQAPVIMEASKSSSVGQPDSSPTVIRI

>LcARF4C

MEIDLNHAFCNGDCEKNSGCVYCLSSSSSSSCSSNSGSSPLSSSIYLELWHACAGPLTSLPKKGNVVVYFPQGHLEQLASSSPYPPLEGSNFDLQPQIFCKVVDVQLLANKENDEVYTQVTLLPQPELVGPNSEGKELEELSVDEDGNGGSPTKSTPHMFCKTLTASDTSTHGGFSVPRRAAEDCFPPLDYKQQRPSQELVAKDLHGVEWRFRHIYRGQPRRHLLTTGWSIFVSQKNLVSGDAVLFLRGDNGELRLGIRRAVRPRNGLPESVLQNSYPNALSLVANAISTKSMFHVFYSPRASHAEFVVPYQKYVKSITNPVCVGTRFKMRFEVDDSPDRRCNGVVTGMSDLDPYRWPNSKWRCFMVRWDEDIGSDHQERVSPWEIDRSVSLPPLNIQSSPRLKKLRTSLQATPPDYPVAAGGGGFLDFEDSIRTSKVLQGQENVGFVSPLYGRDTANRPLDFEMRAPIHQNLALPGLEKGNVTKFVAHPTTYTGFMESDRFPKVLQGQEICPLRSLAGKVDLNLGAWGKPNLGCNSFNMYPAAKPSFYPLPSENLRTMYFPYNDMYKNGQDPTMRAYATSFHRENAQFNSPSIQKRVVGDEVRKPILLNEHKPADSIPTPTFKTTMRNQKEDTFSGTVAGCKLFGFSLTGETPSPSSQNSGKRSCTKVHKQGSLVGRAIDLSRLNGYNDLLTELEQLFSMEGLLRDPDKGWRILYTDSENDVMVVGDDPWHEFCNVVSKIHIYTKEEVEKMTIGMITDDTQSCLDQAPVIMEASKSSSVGQPDSSPTVIRI

>LcARF3A

MVGLIDLNTTEDDVDETQTQAQTPCSGSLSPSSSTASGAPASASGVSLELWHACAGPLISLPKRSSLVVYFPQGHLEHVSDFSASSSAYDLPPHLFCRVLDVKLHAEAASDEVYAQVSLLPENEQTEQKLREGNIDVEGEEEDVEVTGKASTPHMFCKTLTASDTSTHGGFSVPRRAAEDCFPPLDYTQQRPSQELVAKDLHGLEWRFRHIYRGQPRRHLLTTGWSAFVNKKKLVSGDAVLFLRGEDGELRLGIRRAAQVKGAATFPPVSSQQLSHTTVSDVANAMSMRRAFSICYNPRASASEFIIPVHKFLKSLDHTFQVGMRFRMRFETEDAAERRYTGLITGIADMDPVRWPGSKWRCLLVRWDDVEANRHSRVSPWEIEASGSVASSNSLISPGLKRTRIGLPPGKPEFPVPDGIGVSDFGESLRFQKVLQGQEILGFNTLYDGVDSRNLHPSDMRRCLPGSNRSGIAAIGDGMRNPHVNSDVSYKSIGFGESIRFHKVLQGQEIYPKSPYGRAPTTDEARGNGGLGTSDGVQVPGSRNGWSAMMQGYNTHTSPPAPSVQVSSPSSVLMFQLASNPVSNYNPVYSLNDQEKGQQISNHSLFHTAGIYGGKHASSSLGGHSFMGEDQGCMNSLGHSNELIQLGMSRPLVVQPAFRGSQDLVSSCKSSCRLFGFSLTEERHVAANIDNSRAPVPSPLTPGAAFVPRVGEQFRPKPPAMSTPVGNNCSNVSHFYAVKDMLSDIAL

>LcARF3B

MVGLIDLNTTEDDVDETQTQTPSSGSLSPSSSTASGAPASASGVSLELWHACAGPLISLPKRSSLVVYFPQGHLEHVSDFSASSSAYDLPPHLFCRVLDVKLHAEAASDEVYAQVSLLPENEQTEQKLREGNIDVEGEEEDVEVTGKASTPHMFCKTLTASDTSTHGGFSVPRRAAEDCFPPLDYTQQRPSQELVAKDLHGLEWRFRHIYRGQPRRHLLTTGWSAFVNKKKLVSGDAVLFLRGEDGELRLGIRRAAQVKGAATFPPVSSQQLSNTTVSDVANAISMRRAFSICYNPRASASEFIIPVHKFLKSLDHTFQVGMRFRMRFETEDAAERRYTGLITGIADMDPVRWPGSKWRCLLVRWDDVEANRHSRVSPWEIEASGSVASSNSLISPGLKRTRIGLPPGKPEFPVPDGIGVSDFGESLRFQKVLQGQEILGFNTLYDGIDSRNLHPSDMRRCLPRSNSSGIAAIGDGMRNPHVNSDVSYKSIGFGESIRFHKVLQGQEIYPKSPYGRAPTTNEARGNGGLGISDGVQVPGSRNGWSAMMQGYNTHTSPPAPSVQVSSPSSVLMFQLASNPVSNYNPVYSLNDQEKGQQISKHSLFHTAGIYGGKHASSSLGGHSFMGEDQGCMNSLGHSNELIQLGMSRPLVVQPAFRGSQDLVSSCKSSCRLFGFSLTEERHVAANIDNSRAPVPSPLTPGAAFVPRVGEQFCPKPPAMSTPVGNNCSNVSHFYAVKDMLSDIAL

>LcARF2E

MAGAGGNGKGRAGGGDQKGKAPSTDPHVHDDQSRKRTNINDALPTNNTDQCRQDGLYKALWRACAGPRVYVPCVGDYVYYFLQGHLEQIEAYANHEIRAEMPVYNVPSKVLCEVVHVQLMAETGTDEVFAQITLQPKTKQDMQNLEDGSSAPLPPKTKVCSFSKKLTQSDTSTHGGFSVPKRKADECLPQLDMSKEPPAQELIATDLHGYEWRFRHIFRGTTFSVYYHPWTSPSEFIIPVDQCDKLTAIDYSVGTRIRMAFETEDFTEKRIAGTVVGIEDVDRIRWPGSEWRCLRVKWDALSDRIRCPERVSPWNVELIEGANRKPASFLHRQKRPRPDNLSFPGCSNGVLQGQKNNVTGVKESGPLEPLSFPYLVPQKSSDWGHVLMHDPFYPCHNGRVSIASGIIVRSSGLPNYWPATYATNSVRNNAVLSRNISAPSGNSLNSSSKERRSLESKNENESPLSQSHGGKKYMLFGVNLANTSPPELPLLQQATSNELESRCSGPPMSQSSISGPFQVSEPSNRVSDIPSPKQCKNCRLLRSCTKVIKYGTALGRSVDLSRFDGYEELVYELDQMFDFNGTLIDGSSGWEITFIDDEGDMLLTGDHPWREFLCAVRRMFICPKEEIDKLNPSSPNPTCSLFVTITTTLPSSSLKIRDPPPLDVPVSSLPMSLLKNRPLHLPTITRRQFSSNSTTNDKEPPPEDTVEDLSVPEHWLLPSTAFEESEWLRVTLHKWLDDEYCPEPTNVEISKVAARSYYESLLEKQRDLGEILLKMARALESISYQDSFHGAFSSANAAVNLIVQRMGQP

>LcARF2F

MAGVGGNGKGRVGGGDQKGKAPITDPHVHDDQSRQRTNINDALPTNNTDQCRQDGLYKALWRACAGPRVYVPCVGDYVDYFLQGHLEQIEAYANHEIRAEMPVYNVPSKVLCEVVHVQLMAETGTDEVFAQITLQPKTKQDMQNLKDGNSAPLPPKTKVCSFSKKLTQSDTSTHGGCSVPKRKADECLPQLDMSKEPPAQELIATDLHGYEWRFRHIFRGQPKRHLLTSGWSIFVASKMLNSGDLCIFLRGEHGELRIGIRRLMKKQNCASTTIISSHSMQHGILAGAFHAISTGTTFSVYYHPWTSPSEFIIPVDQCDKLTAIDYSVGTRIRMAFETEDFTEKRIAGTVVGIEDVDRIRWPGSEWRCLRVKWDTLSDRIRCPERVSPWNVELIEGANRKPASFLHRQKRPRPDNLSFPGCSNGVLQGQQNNVTGVKESGPLEPLSFPYLVPQKSSDWGHVLMHDPFYPCHNGRVSIPSGIIVRSSGLPTYWPATYATNSVRNNAVLSRNISAPSGKSLNSSSKERRSLESKNENESPLSQSHGGKKYMLFGVNLANTSPPELPLLQQATSNELESRCSVPPMSQSGISETFQVSEPSNSVSDIPSGKQCKNCRLLKSCTKVIKYGTALGRSVDLSRFDGYEELVYELDQMFDFNGTLIDGSSGWEITFIDDEGDMLLTGDHPWKEFLCAVRRMFICPKEDIDKLNPSSPNPTSV

>LcARF1A

MAFPAAAVAPLNHSSGGPLSGGSTDALYRELWHACAGPLVSLPREGERVYYFPQGQPRRHLLTTGWSVFVSSKKLLAGDAFIFLRGENGELRVGVRRHMRQQTNMPSSVISSHSMHLGVLATASHAIATGTLFSIFYKPRFSGTIVGVEDNKTSAWPNSEWRSLKVQWDEPSSIVRPERVSAWELEPLVANTTTPPPPNSQPAQRNKRARPPVLPTPAPDLSVLGMWKSPVESQAFSYIDSQHGRDLYLSPKFSSATKANPLGFGGNSSLATVTGNSMYWPNRGENVMESFAPVVSKESSEKRQGTGNTYKLFGIQLVDNSNIEESLAAVTMSATGGDDRPVPSLDADSEQHSEPSNIPSVSCDAEKSCLRSPQESQSRQIRSCTKVHMQGIAVGRAVDLTRFDCYDDLLKRLEEMFDIEGELSGATEKWQVVYTDHEDDMMMVGDDPWHEFCSIVGKIFIYTAEEVKRLSPKIKLPSNEEVKPAKPDVDTAVNTEDRLSVVGHGC

>LcARF1B

MHQGLEQPMHSLNLPSKILCRVINVQHRAEPETDEVYAQITLFAESDQSEVTRPDPPLPEPEEYTVQSFCRTLVASDVSIHGGLSVPKKHAIECLPPLDITQQPPSHKLVATDLHGNEWEQNGELRVGVRRHKREEVNRPSLVISIGNINLDELATASQAIASGMMFSIVYKPRISRSGFIVSVDKYLEAMRYNFSVGMRFKMRYEGGEVLEQSGTVVGIEDYDRSTWPNSEWRCLKVQWDAHLSIPCPTRVSQWELEPF

>LcARF1C

MNLYNVRLPAPVVEDAKLEKDSFASVVSSIKLAFRHDDPESFFSSLKWISVLDLVSSTPQLQDSAICSGFGLRDSASAGSWKKVPETAHRILLQEMNFILPIAFEKSLFSIHVSAIAAPPAFRSSVRSSLGQLTSYLSRIGGGLVVAFPAAAAVPLNHSSGGPLSGVLSNDALYRELWHACAGPLVTLPREGECVNYFPQGHTEQLEASMHQGLEQPMHSLNLPSKILCRVINVQHRAEPETDEVYAQITLFAESDQSEVTRPDPPLPEPEEYTVQSFCRTLVASDVSIHGGLSVPKKHAIECLPPLDMTQQPPSHKLVATDLHGNEWCFRHILRGYIIQVNLDVICLQLDGVHSSLPKNWEQNGELRVGVRRHKREEVNRPSLVISIGNINLDELATASQAIASGMMFSIVYKPRISRSGFIVSVNKYLEAMRYNFSVGMRFMMRFEDGEVVEQSGTVVGIEDYDHSTWPNSEWRCLKVQWVEHSSISCLTRVSPWELEPF

>LcARF1D

MAGDLDTDVALYRELWHACAGPLASVPRAGEHVYYFPQGHLEQLQALTHDWTEQRVHYFELSSKILCRVVSVQLRAEPETEDVYAQITLLPAPVPSEDARQDPPAPEPRCTVLSLCRTLAASDVGTNGVFSISGMDADVCLPPLDMSQQPPCQELVAMDLHGNEWHFQHIFEDEPRCHLLTAGWSEYVISKKLVAGDAFILQRQVQGENGKLHVGVRRHVEKSRHSSIISNQSMWLGLLATASDAILCGTMFTVFYKPRTIRSNFIVNVEKYHEAMRYDFSVGMRFKMRFEGEEVPVQSFIGKIVAFENYCSSMWSNSKWRSLKVVVTHILGGNKAAKILANMGGMSLLQLSGESSFSINVTESTTLTTCLTTVAIAESNSRGLPFQNENLSII

>LcARF2A

MARSLRDSVVAIDGDDDWSERNGGGAVGGKALSRELWRACAGPLVTVPSKGDVVYYFPQGHMEQVEALMNQAADQQMPAYDISEKIVCRVFNVVLMAEPDTDEVFSQVTLLPLTKFQEEEAVAAQRERGPPPPRPRVYSFCKTLTASDTSTHGGFSVLRRHAEECLPPLDMSMQPPAQDLAAKDLHGNEWQFRHIFRGQPRRHLLQSGWSNFVGSKKLVAGDAFIFLRGENGELRVGVRRGLMQPNTVSSSVISSHSMHIGVLATAWHAVATGTMFTVYYKPRTSPADFMVPYDKYNEAARNNYTVGMRFKMRFEGEEGPEQRHSGTVVGVEDVDPIKWPGSMWRCLKVRWDETSSRNHPERISPWEAEFSVTPDADPLPVYRLKRPRPNMVSLSNGSSVHSTDGPTGMAGSRHSQQSCKFSERFVKQNPEVADQMKRCDANQESIYKLLPESRMHANSQFKMAESNMELQANDKEMHSQNPANIHSTVVRGYDRPHGLEFRRQAENWLSPLSSPSHAKKSSHPVELDAQPPAEKQQEVAKSKAVASCKLFGISLVNNYEPTAPAMPNANSVFGPQQRINFASDPVQDLASGILPDQLKCTKSAETALGGDKLGEPFQASDQLSRDVTSKLLVGSTRTGVKVHKQGSAVGRSVDLTKLNGYDELVTELDRIFEFNGELTAPNKKWLIVFTDDEGDMMLVGDDPWLEFCSMVRRIYVYTREEVNQMIPRPLNPKIKKTLFMADKKTGSTEAKSLAHA

>LcARF2B

MARSLRDSVVAIDGDDDWSERNGGGAVGGKALSRELWRACAGPLVTVPSKGDVVYYFPQGHMEQVEALMNQAADQQMPAYDISEKIVCRVFNVVLMAEPDTDEVFSQVTLLPLTKFQEEEAVAAQRERGPPPPRPRVYSFCKTLTASDTSTHGGFSVLRRHAEECLPPLDMSMQPPAQDLVGKDLHGNEWQFRHIFRGQPRRHLLQSGWSNFVSSKKLVAGDAFIFLRGENGELRVGVRRGLMQPNTVSSSVISSHSMHIGVLATAWHAVATGTMFTVYYKPRTSPADFMVPYDKYNEAARNNYTVGMRFKMRFEGEEGPEQRHSGTVVGVEDVDPIKWPGSMWRCLKVRWDETSSRNHPERISPWEAEFSVTPDADPLPVYRLKRPRPNMVSLSNGSSVHSTDRPTGMAGSRHSQQSCKFSERFVKQNPEVADQMKRCDANQESIYKLLPESRMHANSQFKMAESNMELQANDKEMHSQNPANIHSTVVRGYDRPHGLEFRRQAENWLSPLSSPSHAKKSSHPVELDAQPPAEKQQEVAKSKAVASCKLFGISLVNNYEPTAPAMPNANSVFGPQQRINFASDPVQDLASGILPDQLKCTKSAETALGGDKLGEPFQASDQLSRDVTSKLLVGSTRTGVKVHKQGSAVGRSVDLTKLNGYDELVTELDRIFEFNGELTAPNKKWLIVFTDDEGDMMLVGDDPWLEFCSMVRRIYVYTREEVNQMIPRPLNPKIKKTLFMADKKTGSTEAKSLAHA

>LcARF2C

MAAATSSEVSIKSSNETSRSPLEGQKGNSTNSGARRVIDPEMALYTELWHACAGPLVTVPREGERVYYFPQGHIEQVEASTNQVADQQMPVYDLPSKILCRVINVQLKAEPDTDEVFAQVTLLPDSNDEKVVEKEPPPQPPPRFHVHSFCKTLTASDTSTHGGFSVLRRHADECLPPLDMSRQPPTQELVAKDLHGNEWRFRHIFRGQPRRHLLQSGWSVFVSSKRLVAGDAFIFLRGENGELRVGVRRAMRQQNNVPSSVISSHSMHLGVLATAWHAISTGTMFTVYYKPRTSPAEFIVPFDQYMESVKNNYSIGMRFKMRFEGEEAPEQRFTGTIVGIEEADPQRWRDSKWRCLKVRWDETSTIPRPERVSPWKIEPALAPPALNPLPMPRPKRPRTNMLPSSPDSSVLTREGSSKVNVDPSSASGFSRVLQGQETLRGNFAERESNESENAEKSVAWPPQLEDEKIDVVSGSRRYGPESWVPSGRHEPTYTDLLSGFGPNADSSHGYGASFVDQSLPSACSARKSLLDQDGKFSLPARPWSLMPTPLSLKLAESNAKIPGQGGDVTYQVRGNVRYGGFGDYPMLHPHRIEQSHGNWLMPPPPQSQFENPTHSRELMPKPVLVQDREAGKSKDGNCKLFGIPLFSNPVVPELTVSQRNTMNDPGGHAHHQYCAFESDQKSEQTKGSKLADDGPAVNEQEKPSQPCQSHTKDTRNKPHSVSSRSCTKVHKQGIALGRSVDLSKFNNYEELIAELDRLFEFAGELMASKNWLIVYTDDEDDMMLVGDDPWQEEVQKMNPGSLSSKCEENPLSAEGLDAKEVKHLPLPSALNAEHC

>LcARF2D

MAAATSSEVSIKSSNETSRSPLEGQKGNSTNSGARRVIDPEMALYTELWHACAGPLVTVPREGERVYYFPQGHIEQVEASTNQVADQQMPVYDLPSKILCRVINVQLKAEPDTDEVFAQVTLLPDSNDEKVVEKEPPPQPPPRFHVHSFCKTLTASDTSTHGGFSVLRRHADECLPPLDMSRQPPTQELVAKDLHGNEWRFRHIFRGQPRRHLLQSGWSVFVSSKRLVAGDAFIFLRGENGELRVGVRRAMRQQNNVPSSVISSHSMHLGVLATAWHAISTGTMFTVYYKPRTSPAEFIVPFDQYMESVKNNYSIGMRFKMRFEGEEAPEQRFTGTIVGIEEADPQRWRDSKWRCLKVRWDETSTIPRPERVSPWKIEPALAPPALNPLPMPRPKRPRTNMLPSSPDSSVLTREGSSKVNVDPSSASGFSRVLQGQETLRGNFAERESNESENAEKSVAWPPQLEDEKIDVVSGSRRYGPESWVPSGRHEPTYTDLLSGFGANADSSHGYGASFVDQSLPYASSARKSLLDQDGKFSLPARPWSLMPTPLSLKLAESNAKIPGQGGDVTYQVRGNVRYGGFGDYPMLHPHRIEQSHGNWLMPPPPQSQFENPTHSRELMPKPVLVQDREAGKSKDGNCKLFGIPLFSNPVVPELTVSQRNTMNDPGGHAHHQYCAFESDQKSEQTKGSKLADDGSAVNEQEKPSQPCQPQTKDTRNKTHSVSARSCTKVHKQGIALGRSVDLSKFNNYEELIAELDRLFEFGGELMASKNWLIVYTDDEDDMMLVGDDPWQYGFFSQALIIYYI

>LcARF18A

MAHVEGNPRSSSISHVGTGTSCDDLYRELWKACAGPLVEVPRFGERVFYFPQGHVEQLEASTNQELQHQKPLFSLASKILCRVVNIMLLAEPESDEVYAQITLHPEQEQSEPTNPDQSPPESPKQTLHSFCKILTASDTSTHGGFSVLRKHATECLPPLDMNQATPTQELIAKDLHGYEWRFKHIFRGQPRRHLLTTGWSTFVTSKRLVAGDAFVYLRGENGELRIGVRRLARQQSPMPSSVISSQSMHLGVLATASHAVMTNTLFVVYYKPRTSQFIIGVNKYLESVKYGFSVGMRFKMRFEGEDSPERRFTGTIVGGGDSSPQWPGSEWRSLKIQWDEPATISRPERVSPWEIEPFVTSAPPLNLAQPAVKNKRPRSVDIQASEITTNSATSAFWYQGSNHSHDLTQLGSAAEVQSGERQVWPMRQKETDCNLVSSTNGCNSRFPPEGMWPSSPHFNVSLNLFPDSSEDGKIAVPRSVLSSYASSVPSRLSNDLTHDQVEKRKQSETSTSCRLFGIVLKNNSNAAAPLGKEVISSTMDSSGTKGSVSAACTADKDPNFDSSKSFMELNQVTMEMPLKELQNKQASSTSMRTRTKVQMQGIAVGRAVDLTVLKGYNDLIDELEKMFEIQGQLRPHDKWAVVFTDDEGDMMLVGDDPWPEFCKMVKKIYIYSNEEVKKLTARSKNAASSMEGEGTVISLDSEHRSEA

>LcARF18B

MAHVEGNPRSSSISHVGTGTSCDDLYRELWKACAGPLVEVPRFGERVFYFPQGHVEQLEASTNQELQHQKPLFSLASKMLCRVVNIMLLQSEPTNPDQSPPESPKQTVHSFCKILTASDTSTHGGFSVLRKHATECLPPLDMNQATPTQELIAKDLHGGENGELRVGVRRLARQQSPMPSSVISSQSMHLGVLATASHAVMTNTLFVVYYKPRTSQFIIGVNKYLESVKYGFSVGMRFKMRFEGEDSPERRFTGTIVGVGDISPQWPGSEWRSLKIQWDEPATIPRPERVSPWEIEPFVTSAPPLNLAQPAVKNKRPRSVDIQASAFWYQGSNHSHDLTQLGSAAEVQSGERQVWPMMQKETDCNLVSSTNGCNSRFPPEGMWPSSPHFNVSLNLFPDSSEDGKIAVPRSVLSSYASSVPSRLSNDLTHDQVEKRKQSETSRSCRLFGIVLKNNSNAAAPLGKEVTSSTMDSSGTKGSVPAACTADKDPNFDSSKSFMELNQVTLEMPLKELQNKQASTTSMRTRTKVQMQGIAVGRAVDLTVLKGYNDLIDELEKMFEIQGQLRPHDKWAVVFTDDEGDMMLVGDDPWPEFCKMVKKIYIYSNEEVKKLTARSKNAASSMEGEGTVISLDSEHRSET

>LcARF9A

MTGRVGSFSQPSSNSSDDLYEELWKACAGPLVDVPKSGEKVFYFPQGHMEQLEASTNQELNQRIPLFQLRPKILCRVMNIQLMAEQETDEVYAQITLLPEANQDEPTLPDPCPPESARPTVHSFCKVLTASDTSTHGGFSVLRKHATECLPPLDMNQSTPTQELVAKDLHGYEWRFKHIFRGQPRRHLLTTGWSTFVTSKRLVAGDTFVFLRGENGDLRVGVRRLGHQQSSMPSSVISSQSMHLGVLATASHAVATRTRFVVYYKPRTSQFIVGVNKYLEAINNKFAVGMRFKMRFEGEESPERRFSGTIVGVEDFSPHWNDSKWRSLKVHWDEPASISRPDRVSSWEIEPFVASVPSNVAQPVSAKNKRPRPPIEIPALDMSPTASASWNSRFTQSQDLTQLSVTAEGKRSDNHIAWHHKQTDFNNNSNSMSRTDGDWLTSPHVSFSQHLFQDTMDDNKSVSAWPAVSGYLTPQSSKVNNESMLDGPETGRKTEMATSCRLFGFDLINHSMASNTTEKAPVSSITTEGHILGTPPAADSDQKSDLSKAFKEMKEQLQVSPKETQSRQSCSTSTRSRTKVQMQGVAVGRAVDLTMLEGYDQLIDELEEMFDIKGQLHSRNKWEIVYTDDEGDMMLVGDDPWVEFCNMVKRIFICSSQDVKKMTPGSKLPMSSMEGEGILLSSDSAEN

>LcARF9B

MMTGRVGSFSQPSSNSSDDLYEELWKACAGPLVDVPKSGEKVFYFPQGHMEQLEASTNQELNQRIPLFHLRPKILCRVMNIQLMAEQETDEVYAQITLLPEANQDEPTLPDPCPPESARPTVHSFCKVLTASDTSTHGGFSVLRKHATECLPPLDMNQSTPTQELVAKDLHGYEWRFKHIFRGQPRRHLLTTGWSTFVTSKRLVAGDTFVFLRGENGDLRVGVRRLGHQQSSMPSSVISSQSMHLGVLATASHAVATRTRFVVYYKPRTSQFIIGVNKYLEAINNKFAVGMRFKMRFEGEESPERRFSGTIVGVEDFSPHWNDSKWRSLKVHWDEPASIPRPDRVSSWEIEPFVASVPSNVAQPVSAKNKRPRPPIEIPALDMSPTASASWNSRFTQSQDLTQLSVTAEGKRSDNHIAWHHKQTDFNNNSNSMSRTDGDWLTSPHVSFSQHLFQDTMDDNKSVSAWPAVSGYSTPQSSKVNNESMLDGPETGRKTEMATSCRLFGFDLINHSMASTTTEKAPVSSITTEGHILGTPPAADSDQKSDLSKAFKEMKEQLQVSPKETQSRQSCSTSTRSRTKVQMQGVAVGRAVDLTMLEGYDQLIDELEEMFDIKGQLRSRNKWEIVYTDDEGDMMLVGDDPWVEFCNMVKRIFICSSQDVKKMTPGSKLPMSSMEGEGILLSSDSAEN