

>mouseKLRG1
MADSSIYSTLELPEAPQVQDESRWKLKAVLHRPHLSRFAMVALGLLTVILMSLLMYQRILCCGSKDSTCSHCPCSPILWT
RNGSHCYFYSMEKKDWNSSLKFCADKGSHELLTFPDNQGVKLFGEYLGQDFYWIGLRNIDGWRWEGGPALSRLILTNLIQ
RCGAIHRNGLQASSCEVALQWICKKVLVY
>mouseCLEC4A1
MALPNIYTDVNFKNQPVSSGLISDSSSCTVSDSSSALPKKTTIHKSNPGFPRLLLALWIFFLLAILFSVALIILFQMYS
DLLEEKYTLERLNHARLHCVKNHSSVEDKVVWSCPKNWKPFDSHCYFTSRDTASWSKSEEKCSLRGAHLLVIQSQEEQDF
ITNTLNPRAAVVVGLSDPKGHGQWQWVDQTPYDQNAATSWHSDEPSGNTEFCVVLSYHPNVKGGWWSVAPCDGDHRLICEM
RQLYV
>mouseCLEC4A3
MFSENIYVNTNFKNKVDSIDTDSWPAPQRKNTSQKSCCHKFSKVLFTSLIYFLLLTILFSGALITLFTKYSQLLEEK
I IKELNYTELECTKWASLLEDKVVWSCPDKWPFSGSYCYFTSTDLVASWNEKENCDFHMG AHLVVIHSQEEQDFITGILD
TGTAYF IGLSNPGDQQWQWIDQTPYDDNTTFWHKGEPPSSDNEQCVI INHRQSTGWGWSDI PCSDKQNSICHVKKIYL
>mouseCLEC4A4
MASEITYAEVRITNESDSDLTYSKCPAAPREKPIRDLRKPSPSLLLLTSLMLLLLLLAIITFLVAFI IYFQKYSQLLEEK
AAKNIMYKELNCKINGSLMEDKVVWSCPDKWPFVSHCYFILNDSKASWNESEEKCSHMG AHLVVIHSQAEQDFITSNLN
TSAGYF IGLLDAGQRQRWIDQTPYKNSATFWHKGEPNNDYEKCVILNRYKTMWGWNIDCSDEENSVCQMKKIYL
>mouseCLEC4B2
MVQERQLQGKAVSWSLRLWSAAVIS ILLSTCFIASCVAVGS PKFLVISAHKQLSGLLYITFTFLFPHKDKVWSCPDK
WKLFGSHCYLVPTVFSASWNKSEENC SRMG AHLVVIHSQEEQDFITGILD IHAAYF IGLWDTGHRQWQWVDQTPYEESV
TFWHNGEPSSDNEKCVTVYYRRNIGWGWNDISCNLQKQSVQMKKINL
>mouseCLEC4A2
MASEITYAEVKFNESNSLHTYSESPAAPREKPIRDLRKPSPSLLLLTSLMLLLLLLAIITFLVAFI IYFQKYSQLLEEK
AAKNIMHNELNCTKSVSPMEDKVVWSCPDKWRLFSGSHCYLVPTVSSASWNKSEENC SRMG AHLVVIHSQEEQDFITGIL
DTHAAYF IGLWDTGHRQWQWVDQTPYEESITFWHNGEPSSGNEKCATI IYRWKTGWGWNIDISCLKQKSVQMKKINL
>mouseCLEC4B1
MMQERPLTGQVVCWSLRLWMAALIS ILLSTCFIASCVVTYQLMMNKPNNRRLSELHTYHSNLICFSEGTTVSEKVVWSCP
KDWKPFSGSYCYFTSTDSRASQNKSEKCSLRGAHLLVVIHSQEEQDFITRMLDTAAGYF IGLSDVGNQQRWIDQTPYNDR
ATFWHKGEPNNDYEKCVILNRYKTMWGWNIDCSDEENSVCQMKKIYL
>mouseCLEC4N
MVQERQSQGGKVCWTLRLWSAAVISMLLLSTCFIASCVVTYQFIMDQPSRRLYELHTYHSSLTFCFSEGTVMSEKMWGCCP
NHWKSFGSSCYL I STKENFWSTSEQNCVQMG AHLVVIINTEAEQNFITQQLNESLSYFLGLSDPQNGKQWQWIDDT PFSQ
VRFWHPHEPNLPEERCVS I VYWNPSKWGWNDVFCDSKHNS I CEMKKIYL
>mouseCLEC4D
MWLEESQMKSKGTRHPQLIPCVFAVVIS I SFLSACFISTCLVTHHYFLRWTRGSVVKLSDYHTRVTCIREEPQPGATGGTW
TCCPVSWRAFQSNCFPLNDNQTWHESERNCSGMSHLVTINTEAEQNFVTQLLDKRFSYFLGLADENVEGQWQWVDKTP
FNPHTVFWKGESNDFMEEDCVVLVHVHEKVVWVDFPCHFVRRICKLPGITFNWKPSK
>mouseCLEC4E
MNSTKSPASHHTERGCFKNSQVLSWTIAGAS I LFLSGCFITRCVVTYRSSQISGQNLQPHRNIKELSCYSEASGSVKNC
PLNWKHYQSSCYFFSTTLTWSSSLKNCSDMG AHLVVIDTQEEQEF LFRTPKRKEFY IGLTDQVVEGQWQWVDTPFTE
SLSFWDAGEPNNIVLVEDCATIRDSNSRKNWNDIPCFYSMPWICEMPEISPLD
>mouseKLRB1a
MDTARVYFGLKPPRTPGAWHESPPSLPPDACRCPRSHRLALKLSCAGL ILLVTLIGMSVLRVLIQKPSIEKCYVLIQE
NLNKTDDCSAKLECPQDWLSHRDKCFHVSQVSNWEEGLVDCDGKATLMLIQDQEELRFLLLDS I KEKYNFWIGLRYTL
PDMNWKWINGSTLNSDVLKITGDTENDSCAAISGDKVTFESCNSDNRWICQKELYHETLSNYVGYGH
>mouseCLEC2D2
MNAAKVETSSMGMLQRADLTAADCLQEGEMGKKIQGKCFRIISTVSPVKLYCCYGVIMVLTVAVALSVALSVRNKI PAM
EDREPCYTACPSGWIFGSKCFYFSEDMGNWTFSSQSSCVASNSHLALFHSLEELNFKRYKGTSDHWIGLHRASTQHPWI
WTDNTEYSNLVLRGGEGCGFLSDNGISSGRSYTHRKWCISKFVSSCKSRVGSVPRHV
>mouseKLRB1b
MHPQCAAEIKSGMVTGQKGFARSIDILKWIYEVYYYLLFLDACQGPWHRVALKLGACGLIFLLMVLVSVLEFNTLGLI
SCLLVGFLVQKPLIEKCSVAVQENRTEPTGRSATLECPRDWHPHCDKCLFTSQTSRPAWADGLVDCNLKGATLLLIQDEEE
LRLQLNFSGKQGFYIGLKYEEVDKVVWKMNGSILNNTLLQITGKDEENS CALISQTEVFS DSCSSDNHWICQKTLKHV
>mouseKLRB1c
MDTASIYGLKPPRRTLGAWHESPPSLPPDACRCPRSHRLALKLSCAGL ILLVTLIGMSVLRVVLVQKPSREKCCVFIQE
NLNKTTVNLECPQDWLLHRDKCFHVSQVSNWEEGQADCGRKGATLLLIQDQEELRFLLLDS I KEKYNFWIGLRFLLPDM
NWKWINGTTFNSDVLKITGVTENGSCAS I LGDKVTPESCASDNRWICQKELNHETPSNDS
>mouseKLRB1d
MDSTTLVYADLNARIQEPKHDSPPSLSPDTCRCPRWHRALALKFGCAGL ILLVTLVIGLCVVLVSVQKSSVQKICADVQE
NRTHTTGCSAKLECPQDWLSHRDKCFHVSQVSNWKECRIDCDKKGATLLLIQDQEELRFLLLDS I KEKYNFWIGLSYTL
TDMNWKWINGTAFNSDVLKITGVTENGSCAAISGEKVTSEGCSSDNRWICQKELNHETPCNDS
>mouseCLEC2D3
MPDCLETGEKLFVHNMAQCQVQKPEEGNGPLGTGGVQCKIVQKCFRIISTVSPVKLYCCYGVIMVLTVAVALSVALS
TKKTEQIIINKTYAACSKNWTGNGKCFYFSGYPRNWTFAQAFMAQEAQLARFDNEEELIFLKRFGDFDCWIGLHRES
SEHPWKWTNTEYNNMNPILGVGRYAYLSSDRISSSRSYINRMWICSKLNNYNLHCQTPPV
>mouseCLEC2D5
MNAQCLKKPEEGESSPGTGGVHSYKILQRNSLRAISPESAKLYCCCGVIMVLTVAVALSVALPATKTEQILINKTYAA
CPKNWIGVGNKCFYFSEYTSNWTFAQAFMAQEAQLARFDNEEELNFKRHMNSHWIGLHRDSSEHPWRWTDNTEYNN
MIPIQGVETCAYLSGNGISSSRHYIPRIWICSKLNNYSLHCPTPVV
>mouseCLEC2D6
MSVTKASLPLMSTTSSPQEGEVGKKIQEKFCGIVSSKSHCRFRCCGVTMVLIVVVVLI VVVVVALSAIMIKQMSTKNTYA
ACLQNWTVGNKYFYFSEYTSNWTFAQAFMAQEAQLARFDNEEELNFKRHMNSHWIGLHRDSSEHPWRWTDNTEYNN
TFLIQGDGECGFLSDNGISSRDYIPRKWICSRSSNYMLQC
>mouseKLRB1f
MDTSKVHGNVCFRCPGYKQASSPSFSPDACRCPHWHHLALKSGCAGL I LLLSLIGLSVLRVFLVQKPPIEKCSVAAQE
NRTELTGRSAILECPRYWHPHWKCLFVVSQISRPWAEGRDACSMEDAILLLIENKEELRFVQNLIKGKEQLFFIGLKYVQ

KEKIWKWIDGSILNPNLLRITGKDKENSCAII SHTEVFSDCSSDNHWICQKTLIHV
>mouseCLEC2D7
MLKTDLTAPDCLQEGEMGKKLQAKCLGIISAASCVKLYCCYGVIMVLTVAVSALSVTLSVRKKKPVMESECEPCYAVCSSG
WIGFGNKCFYFSEDMGNWTFSSQSSCIALDAHLALFDSLEELNFKRYKGASDHWIGLHRESSEHPWIWTDNTEYNNLVLT
RGGGECAYLSNRGIYNSSGDIHKKWICNKPNNYTLQRPLIVNPG
>mouseKLRB1e
MDTERIYLSLKPRTPGAQRVSPRSLPPDACWCPRSHRLALKLSCAGLILLVLTIGMSVLVGVLIQKTSIEKCPVYFQE
NLNKTDCPAELECPQNWLSHRDKCFVSVQVSNWKEGQADCDRKGATLLLIQDQEELRFLQDLAKENYDSFWIGLSYTDK
NMMWINGSTLNSD
>mouseCLEC2D8
MCVTKASLPLMSPTGSPQEVVVGKILQGKRHGTISPESCAKLYCYGVIMVLTVAVIALSVALSATKTEQIPVNKYAAC
PQNWIGVENKCFYFSEYPSNWTFAQAFQMAQEAQLARFDNDELNFMRYKANFDSWIGLHRESSEHPWKWTDNTEYNNNT
IPIRGEERFAYLNNNGISSTRIYSLRMWICSKLNSYSLHCQTPFFPS
>mouseCD69
MDSENCITENSSSHLERGQKDHGTSIHFEKHHEGSIQVSI PWA VLI VVLTITSLIIALIALNVGKYNCPLGLEYKLESSDH
HVATCKNEWISYKRTCYFFSTTTKSWALAQRSCEDAATLAVIDSEKDMTFLKRYSGELEHWIGLKNEANQTKWANGKE
FNSWFNLTGSGRCVSVNHKNVTAVDCEANFHWVCSKPSR
>mouseCLEC1C
MSEEVYANLKIQDPDKKEETQKSDKCGGKVSADASHSQKTVLILILLCLLLFIGMGVLGGIFYTTLATEMIKSNQLQR
AKEELQENVSLQLKHNLSNKKIKNLSAMLQSTATQLCRELYSKEPEHKCKPCPKGSEWYKDCSCYSQLNQYGTWQESVMA
CSARNASLLKVKNKDVLEFIKYKKLRYFWLALLPRKDRTOYPLSEKMFLESEESERSTDDIDKKYCGYIDRVNYYTYCTD
ENNIICEETASKVQLESVLNGLPEDSR
>mouseCLEC1D
MSDEVTYATLMLQDSARVRGNRDGNNLRKEGHPAQSSLWRGAALSMTLCLVLVLTGLVTLATMLQVSNNDINSDSEKLSQL
QKSIHPQODNLSSELSNRKSLTEESLQSQISALLERQEQMATKLCKEFLIHASDHKCNPCPKTWQWYGNSCYYFSINEE
KSWSDSRKDCIDKNATLVKIDSTEERDLLQSQLSLTFSFFWLGLSWNSSGRNWLWEDGSFPPTLLSDKELASFNGSREC
AYFERGNIYTSRCAEIPWICEKRASLVKIEDLD
>mouseCLEC1B
MQDEDGYITLNIKPRKQALSSAEPASSWWRVMALVLLISSMGLVGLVALGIMSVTQOKYLLAEKENLSATLQQLAKKFC
QELIRQSEIKTKSTFEHKCSPCATKWRYHGDCYGFRRNLTWEEKQYCTEQNATLVKTASQSTLDYIAERITSVRWIG
LSRQNSKKDWMWEDSSVLRKNGINLSGNTENMNCAYLHNGKIHPASCKERHYLICERNAGMTRVDQLL
>mouseCLEC9A
MHAEEIYTSLQWDIPTSEASQKQSPSKCSGAWCVVTMISCVVCMGLLATSIFLGIKFQVSSVLVEQQERLIQODTALVN
LTQWQRKYTLEYCQALLQRSLSHSGSSDCSPCPHNWIQNGKSCYVFERWEMWNI SKKSCLEKASLQIDSKEEMEFISS
IGKLKGNKYVWGVFDGISGSWFWEDGSSPLSDLLPAERQRSAGQICGYLKDSTLISDKCDSWKYFICEKKAFGSCI
>mouseCLEC1A
MQAKYSSTRDMLDDDDTTISLYSGTSTVTRRAEPRHSENGTPSSVWRPVALTLLTLCLVLLVGLAALGLVFFQFYQLSNI
QQDSITEKDEKLGNMRSRLQSLQAQNRKLIETLQQVAVKLCRELYNKSGGHRCSPCPEKWKWYGDKCYQFYKESKNWQSC
EYFCLADNATMLKISTQEELDFAMPQSYSEFFYSYWTGLSRNGSGKAWLWTDGTPYSFELFEI IIDPTNLRNRDCMTIFN
GKAYSKDCKELRRACERIAGRVVPGLQ
>mouseCLEC7A
MKYHSHIENLDEDGYTQLDFSTQDIHKRPRGSEKGSQAPSSPWRPIAVGLGILCFVVVVAAVLGALGRNPEEKDNFLSR
NKENHKPTESLDEKVAPSKASQTTGRGFSQPCLPNWIMHGKSCYLFSFGNSWYGSKRHCSQLGAHLLKIDNSKEFEFI
ESQTS SHRINAFWIGLSRNQSEGPWFWDGSAFFPNSFQVRNTVPQESLLHNCVWIHGSEVYNQICNTSSYSICEKEL
>mouseOLR1
MTFDDKMKPANDEPDQKSCGKPKGLHLLSSPWWFPAAMTLVILCLVLSVTLIVQWTQLRQVSDLLKQYQANLTQQDRIL
EGQMLAQQAENASQESKKELKGIKIDTLTQKLNEKSKEQEELLQKNQNLQEQALQRAANSSEESQRELKGIKIDTITRKLDE
KSKEQEELLQMIQNLQEQALQRAANSSEESQRELKGIKIDTLTLKLNKSKEQEELLQKNQNLQEQALQRAANFSGPCPDWL
WHKENCYLFHGFPSWEKNRQTCQSLGGQLLQINGADDLTFILQAI SHTTSPFWIGLHRKKPGQPWLWENGTPLNQFFKT
RGVSLQLYSSGNCAYLQDGAVFAENCILIAFISICQKKTNHLQI
>mouseKLR1
MDEAPVTRSTLNVNSQOKSKAKNKIKNTLNSNELSSIEQRKKYQKHLKHKNTAEDI SGKGNCSPPWRLLSSVLGAMCLL
LMAVAMVMTTFTTKSSSERSSSTIQQEGLHHPCPENWVWFRCSYFFSKEELIWRDSQRACLSLSLIRMNKEEMNFFS
LKSFFWGVVYNETRRQWLWEDHVSVLPSGLFSLKLEANMKNFCASYKSKAYMEENCANKLTYICKK
>mouseKLRD1
MAVSRITRWRLMSVIFGIKCLFLMVTGLVLLINSFTIQNIQSTPSPTTTVEFQEVSECCVCLDKWVGHQCNCYFISKEEK
SWKRSRDFCASQNSLLQPQSRNELASTSFFMNFSTFFWIGMHYSEKRNALWEDGTVPKDLFPEFSVIRPEHCIVYS
PSKSVSAESCENKNRYICKKLP
>mouseKLRK1
MALIRDRKSHHSEMSKCHNYDLKPAKWDTSQEQKQRLALTTSQPGENGIIRGRYPKIEKLI SPMFVVRVLAIALAIRFT
LNTLMWLAI FKETFQPVLCNKEVPVSSREGYCGPCPNWICHNRNICYQFNEEKTWNQSQASCLSQNSLLKIYSKEEQD
FLKLKVSYHWMGLVQIPANGSWQWEDGSSLSYNQLTLVEIPKGSCAVYSSFKAYTEDCANLNTYICMKRAV
>mouseKLR3
MSHLLGTEQASEPRKATKKTQAQLRFSNAAGDRLLLEFSLQHASQKHLKASRHGYCKNFASPPPEKLIAGILGTIWFLLIA
LVI STRIVSPYINHSLSAQTYALCPKEWILYSHNCYYIGMERKSWNDSLVSICISKNCSLLYIDSEEEQDFLQSLSLVSW
TGILRKGRGQPWWKDKSTFKPKIAEILHDECNCAMMSASGLTADSC TTHPYLCKCKFP
>mouseKLR2
MSHLLGTEQASEPRKATKKTQAQFRFSNAAGDRLLLEFSLQHASQKHLKASRHGYCKNFASPPPEKLIAGILGTIWFLLIA
LVI STRIVSPYAEKQIHPFLVRTQKGSALLSKAQPCPHCPKEWISYSHNCYYIGMERKSWNDSLVSICISKNCSLLHI
DSEEEQDFLQSLSLVSWTGILRKGRGQAWDWKSDIFKPKIAEILHDECNCAMMSASGLTADNCTTTHPYLCKCKFP
>mouseKLR1
MSNERVYAEKLVAKNSRNQHRKPRGPRSSISVIEQEI IYSDFSFQNPQEHWPICRNCPCKGFSPPEKLIAGTLGLIC
FVLIVAVVVITTVATPYTEAKAQINSSMTRTHRDINYTLSSAQPCPHCPKEWISYSHNCYYIGMERKSWNDSLVSICISKN
CSLLYIDSEEEQDFLQSLSLISWTGILRKGRGQPWWKEDSIFKPKIAEILHDECNCAMMSASGLTADNCTTTHPYLCK
KFP
>mouseKLR11

MLHSKRREY TANNQDV TYTELKTCKSPWKHRIPTVKQSPVVLCEEQLKYGELTFHRT PQPQPRKQAMGRKRQGPSTVWR
VVTGMLGALCVVLMTTTGILLPKLVFSSQEEQCRKTSLHPLRCPKDDASCDLCSDDWIAFGNNFYCVFKENTKTWAESQS
ACEELNSHLVIIDSKAEVENLLLFEMDGIWLHKMDGTNSSWLWRNDIKIQNTLTNDSEKKNHNSCHYLGRNLFMPDECSAK
KSYICEFNI
>mouseKLRI2
MHKKKH IKHG TNQEI INIGTKSPTFQEKQRPSKTDQRSTVWREEQKQELKVHRI FHPQRTGFVDVGKIDPWLTTWQM
ITVILATLCIILVTKVGF LIPSLF SKGKQSRKFSLLDPLCDRNDSSCDFCSSDWIAFGNNFYCVFRENSKTWVESQSA
CEELNSHLVIIDSKAEVENLLLFEMDGIWLHRMDGTNSSRLWGNDIKIRNTLMNDSEKKNHNSCHYLGRNI FMPDECSAK
TYICEFNI
>mouseKLRI1
MNDERPTYAQLKLSKSKDKKQSTQKKKEYPWRISVVI LGTVCLCLLISSTVFGYWFQATS NFKI QYEKDKNESAVSSM
EVVHSSGLLLTAARKGCYTCQGGWSSCGGKCYFFSEEEKTWDESEASCKVLGSL LAKIDSREEQNF IQSQVNYSYVWGLH
KKG SQFQVWHHKDAKLSDDLDFHTATHVADAECGYIKPKNLNVAPCHRYFYIICKRNF TPCMT
>mouseKLRAq
MSEQEVTYSTVRFHKSSGLQNV RPEDNQGSREAGHKECSI PWHLIVIAFGILCVLLLVI VAVLVTN ILOYKQEKHELQE
TLNCHHNCSNMQSDINAK EMLRNMPLECS TGDDLLKSLNREQRWYSETKSVLNSSKHPGGSLEIHWFCYGIKCYFFIM
NKKGWRKCKQICEHYSLSLLKIDA EDELKFLQLQVTPDSYWI GFSFDKKEKWTWI ENGT SKYALNMSTYNVKS GECVFL
SKTRLENNKEHVYPCICEKRLDKFPDS
>mouseKLRAe
MSEPEVTYSTVRLHKSSGLQRLV SHEEIQGPGEAGYRKCSVPWQLTVRSLGIFCFLLLVTAVLAVKIFQYSQHKQEIHE
TLNHNHNSNMQSDIKLKEEMLRNKSIDCSPGEELESLNREQRWYSETKTDLDSQDTGTGVKHWFCYGTCKCYFFIMS
KNTWSGCKQTCQHYSPLVKI EDEDELKFLQFQV I SDSYWIGLSYDKKKKQWAWIDNGPSKLD MKTRKMNFKPGGCIFLS
KTRLEDTN CNNSYFCICGKKLDHFPG
>mouseKLRAf
MSEPEVTYSTVRLHKSSRLQKLV RHEETQGP REAGYRKCSVCWQLIVKALGILCFLLLITVAVLAVKIFQYQGHNQEIHE
TLNYHHNCSNMQSDFNLKEEMLTNRSIDSRPGNELLES LNREQRWYSETKTDLDSQDTGTGVKYWFCYRTKCYFFIMN
KNTWSGCKQNCQHYSPLVKI DDEDELKFLQFQV I PDSYWIGLSYDKKEKQWAWIDNGQSKLDMKIRKMNFKPGGCVFLS
KRRLEDTNCKNSHYCICGKKLDKFPH
>mouseKLRA d
MTEQEDTFSAVRFHKSSGLQNEMLK ETRKPEKARLRVPWQLIVIALGILISLRLVTVAVLMTNIFQYQGHNQEIHE
HHNCSIMQSDINLKD ELLKNKSI ECNLL ESLNRDQNI L CDKTRTVLDYLQHTGRGVKYWFCYGMKCYFFVMDRKPWSR
CKQSCQNSSLTLLKIDDEDELKFLQLVVP SDSCWIGLSYDNKKKQWAWIDNRPSKLALNTTKYNI RDGGCMFLSKTRLDN
NYCDQSFICICGKRLDKFPH
>mouseKLRAh
MSEQEVTFTMR FHKSSGLNSQVRLEG TQRSRKAGLRVCSVPWQLIVIALGILCSLRLVI VAVFVTKFFQYSQHKQEIHE
TLNHRHNCSNMQRDFNLKEEMLTNKSIDCRPSYELLEIYIKREQRWDS ETKSVSDSSRD TGRGVKYWFCYGTCKCYFFIMN
KTTWSGCKANCQHYSVPIVKI EDEDELKFLQRHVI LESYWIGLSYDKKKKQWAWIHNGQSKLDMKIKMNFTSRGCVFLS
KARIEDTDCNTPYCYICGKKLDKFPD
>mouseKLRAc
MNEPEVTYSTVRLHKSSGLQKLV RHEETQGP REAGNRKCSVSWQLIVKALGILCFLLLVI VAVLTIKIFQYSQHKQEIHE
TLNHYHNCSNMQSDFNLKEEMLTNKSIDCRPSNELLDYIKREQRWNS ETKTVLDSSRD TGRGVKYWFCYGTCKCYFFIMN
KTTWSGCKANCQHYSVPIVKI EDEDELKFLQRHVI PESYWIGLSYDKKKKQWAWIDNGQSKLDMKTRKMNFKSRGCVFLS
KARIEDTDCNIPYYCICGKKLDKFPD
>mouseKLRAg
MSEQEVTYSTVRFHSSRLQKLV RTEEPQRPREACYREYSVPWKLIVIA CGILCFLLLVTVALLAITIFQHSQQKHELQE
TLNCHDNCSPTQSDVNLKDELLRNKSI ECRPGNDLLESLSRDQNRWYSETKTFSDSSQHTGRGF EKYWFCYGIKCYFFNM
DRKTWSGCKQTCQISSLSLLKIDNEDELKFLQNLAPSDISWIGLSYDNKKKQWAWIDNGPSKLALNTTKYNI RDGLCMSL
SKTRLDNGDCDSYICICGKRLDKFPH
>mouseKLRAj
MSELEVTYSTVNLHKSSGLQKLV RHEETQGP REAGNRKCSIYWQLIVKALGILCFLLLVI VAVLAVKIFQYSQHKQEIHE
TLNHHHNCSNMQRDFNLKEEMLTNKSIDCRPSNELLEYIKREQRWNS ETKTVLDSSRD TGGGVKYWFCYSTKCYFFIMN
KTTWSGCKANCQHYSVPIVKI EDEDELKFLQRHVI PESYWIGLSYDKKKKQWAWIDNGPSKLD MKIRKMNFKSRGCVFLS
KARIEDTDCNIPYYCICWKKLDKFPD
>mouseKLRAi
MSEPEVTYSTVRLHKSSGLQKLV RHEETQGP REAGNRKCSAPWQLIVKALGILCFLLLVTVAVLAVKIFQYNQHKQEIHE
TLNHHHNCSNMQR AFNLKEEMLTNKSIDCRPSNETLEYIKREQRWDS KTKTVLDSSRD TGRGVKYWFCYSTKCYFFIMN
KTTWSGCKANCQHYSVPIVKI EDEDELKFLQRHVI PENYWIGLSYDKKKKQWAWIDNGPSKLD MKIRKMNFKSRGCVFLS
KARIEDIDCNIPYYCICGKKLDKFPD
>mouseKLRAa
MSEQEVTYSMVR FHKSSAGLQKQVRPEETKGP REAGYRRCSFHWKFIVIALGIFCFLLLVAVSVLAIKIFQYDQKKLQEF
LNHHNCSNMQSDINLKD EMLKNKSI ECDLLES LNRDQNR LYNKTKTVLDSLQHTGRGDKVYWFCYGMKCYFFVMDRKTW
SGCKQTCQSSLSLLKIDDEDELKFLQLVVP SDSCWVGLSYDNKKKQWAWIDNRPSKLALNTRKYNI RDGGCMFLSKTRL
DNGNCDQVFI CIGKRLDKFPH
>mouseKLRAb
MSEQEVTYTTLR FHKSSGLQNPVRPEETQRPRDVGHRECSVPWK FIVIVLGILCFLLLLTAVLV IHI FRDQGEKHEQE K
TLNHLRQEQVMKNDSSLM EMLRNKSSECKALNDSLHYLNREQRNRLRKT KIVLDCSQNKGQVEGYWFCGGMKCYFFI
MDDKKWNGCKQICQDYNLTLLKTNDEDELKFLKSQLRNTYWI SLTHHSKEESQQIGDRPSKLD SAARNSV PNRQKCA Y
LSSFSTEEDDCARTHGCICEKRLNKFP I PGSCAKGR TQSALQRDEDES
>ratKLRG2
MEGLLTVILMSLLLYQQILCCGSKGFMCSQCSRCPNLW MRNGSHCYFYSMEKRDWNSSLKFCADKGSHELLTFFPDNQG VNV
LQKYL GKDFYWIGLRNKNWRREDGPALSL SILSNSMVQKCGT IHRCGLHASSCEVALQWICEKVL P
>ratKLRG1
MADNSIYSTLELPAAPRVQDDSRWKVAVLHRPCVSYLVMVALGLLTVIILMSLLLYQRTLCCGSKGFMCSQCSRCPNLWM
RNGSHCYFYSMEKRDWNSSLKFCADKGSHELLTFFPDNQG VNLQFQYVGEDFYWIGLRDIDGWRWEDGPALSL SILSNSV VQ
KCGT IHRCGLHASSCEVALQWICEKVL P
>ratCLEC4A1

MALPNIYTDVNFKNQPVSSGTVSDSSSCTISSSALPKKT'TVHKSNGPFP'TLLLALLI'FFLVLAILSSVGLTTLFHMYSDL
LEEKNTLQQLNHAHLHCIKNHSSVEDKVVWCCPKNWKPF'GSHCYFTSRDSASWSDSEEEKSHRGAHLLVIHSQEEQDFIT
DTLNPRAHYVGLSDTEGHGKWQWVDQTPFNQATSWHADEPSGNKGF'CVVLSYHPNLKGGWGSVAPCDGYHRLVCKMRQ
LYV
>ratCLEC4A3
MFSENIYINTNFKNKYDSSDIDTDFRPDP'PKKSQSQKSKCHKFSKVLFTSLIIYFLLLLTILFSSALII'LFKKYSQ'LLLEEK
IMKELNYTELECTKWDSLLEDKVVWCCPKDWKPF'FDSNCFPSTDSVESWMESEEEKCSGIGAHLLVIHSQEEQDFLPRILD
THAAYF'IGLSDPGRHQWQWVDQTPYNGNATFWHEGEPSSDNEQCVI'INHENTGWGWS'DSSCSDKQKLV'CVVKKIYL
>ratCLEC4A4
MDSEITYAEVRIKNESNSLGTYS'ECPAVPREKPTHHPKPGSRSL'LLFTSLMVFL'LLLTIAFLGSFI'IFYQKYSQ'LLLEEK
ALTDKTLDDLNCTKNVSLTEGDKACSCCLKGWKS'FGSYCYFTSTDSKATWDESKEKCSRMGAHLLVIHSQDEQDFINTI
LNIGTDYF'IGLSDHSENQWQWIDQTPYNESVTFWHKGE'PNKKEKCVVINHRDKWGWNDI'PCHDRHKSVC'QVKKIHS
>ratCLEC4A2
MASEITYAEVRIKNESNSSVTYS'GSPAAPREKPTRHL'SKPGSLLV'PFTSLMVLL'LLLLAITFLVAFI'IFYQKYSQ'FLLEEK
AIKGI'CHKELNCIKNVLLMEEKSWS'CCPKNWKPF'GSHCYWVTKHTSTYSKASWNESEKNC'FSMGAHLLVIHSKEEQDFIT
GFLNRDAAYF'IGLWDSGHRQWQWV'SQTPYNASATFWHKGE'PSSDDEKCVI'INHLSGWGWNDI'PCSGKQ'QSV'CMKEIQ
>ratCLEC4B
MMQEKLPQGGKGCWTLRLWSAAV'ISMLLLSTCF'IMSCVVTYQ'FMMEKPNRRL'SELHTYNSNFT'CCSDGTMVSGK'VWVWCCP
KDWKPF'GSHCYFTTDFVANWNESKEKCSHMGAHLLVI'HSQEEQDFINGI'LDTRWGYFTGLSDQ'GQWQWIDQTPYNESV
TFWHEDEPNNDYEKCVI'INHDKIDIGWGWNDV'VCSSEHKSIC'QVKKIYL
>ratCLEC4D
MWLEESQMKSGALHPQRI'PWVCAVVIS'IFLSACF'ISTCLVTHY'FLLWKRGSAL'KFSDYHTRLT'CI'LEEPQPGATGGTWT
CCPVSWRAFQSNCF'PLNDNQTWHESE'RNCSGMSSHLVTINTEAEQDFV'TQLLDEQFSY'FLGLSYEKVEGQWQWVDKTPF
NPNVVF'WVKVGE'PKDYMEEDCVV'LVYDQDKWVW'NDP'CHFEMGRIC'KLP'GATFDWNP'SK
>ratCLEC4E
MNSTKSPASHHTERECFKNSQV'LLWTMAGASIL'FLSVCFI'ITRCVVTYHS'FQIYGQK'KLQPHKTIKELSCYLEASGSV'KNC
CPLNWKHFQSSCY'FFSTTTLTWPSSLN'NCSDMGAHLV'VINTWEEQEF'LFRTKPRKKEFY'IGLTDQVVEGQWRWVDDT'PFT
ESLSFWDAGEPN'NVFVEDCATMRD'SSNPRKNW'NDVSCFFSMPWICEMPEIS'PLD
>ratKLRB1a
MDTARVYLSLKPSKTAAGAQC'VSPPLPPDACRC'PRSHRLAL'KLSCAGLILLV'LALVGM'SILVRV'LVQKPSVEPCRVLIQ
ENLSKTGSPAKL'KCPKDWL'SHRDKCFHVSQTS'ITWKESLADCGK'GATLLL'VQDQEELR'FLRNLTKRIS'SSFWIGLSYTL
SDENWKWINGSTLNSD'VLSITGDTEKDS'CASVSQDKV'LSESCDS'NDNIWVCQ'KELKCECMCND'S
>ratKLRB1b
MDTAVVYADLHLARTGEPKRE'PPPSLSPDTC'QCPRWHRLAL'KLGACLI'LLVLSVIGL'GVLVLTLLQKPLIQNSPADVQE
NRTKTTDS'PAKLKCPKDW'HSQDKCFHVSQTS'ITWKGSLADCGK'GATLLL'VQDQEELR'FLRNLTKRIS'SSFWIGLSYTL
SDEKWKWINGSTLNSD'ALNITGDTEKDS'CASVSQDKV'LSESCDS'NDNIWICQ'KELKRE'STCND'S
>ratCLEC2D1
MPSSAHLQDPPPHLSR'TLTQDEEQTS'LRQSSSCGPSTTSASASELS'GSGT'KSRISQK'LEGLMPLKIIPTESA'AKLLCCYA
VFMALTVV'VIALSIALSVK'KTPQISAVNTYAACQRN'WIGFGNKCYYFNETARNWTF'FSQTLCKEQEAELARFDNEEELN'FL
KRYKGS'GGYWIGLHRESSAD'PWKWT'DNTAYNNL'VPIKGE'EKHGFLSDNGLSSG'KDYIKRKSICSKLNSYTSQ'CP
>ratCLEC2D2
MPSSAHLQDAPPLLSR'TLTQDEEQTS'LRQSSSCGLSAA'ASASELSGSGT'KSRIPHSKMLQGNL'PRIISPESPAKL'PCCYGV
IMVLSVAVVALSVALSVK'KTPQILTVKTYAACPRN'WIGVGNKCYYFNETPSNWT'FSQTLCKAQEAELARFDTEEELN'FLK
RHKGS'GGYWIGLHRESSSQ'PWKWT'DNTAYNNL'VPIGGDEKHGFLSDNGFSSGRGYI'VRKSI'CKPNSYTSQ'CL
>ratCLEC2D3
MSSAHLQDAPPLLSG'TLTQNEGQTS'LRQSSSCG'PSAASASELSGYTESRIPHSKVRQ'GKGLRSIFPESRVKRYC'CYGG
VITVVAIAI'VVPLSVTL'SVKQMEQTSINNTFAASINNTSAASINNTSAACPSNWT'EGYGNKCFYFSEYTSNWT'FSKDFCAA
QGAELARFDTEEELN'FLKRYKGS'GGYWIGLHRESSEHP'WKWT'DNTQYNNL'VPIRGDGC'GFLSDQLN'ISSSRVYVERPWI
CSKPKKYISQSQ
>ratCLEC2D4
MPSSAHLQDPPPHLSG'TLTQDEEQTS'LRQSSSCG'PSAASASELSGSGTESRIPHSKVRQ'GKGLRSIFPESRVKRYC'CYGG
VITVVAIAI'VVPLSVTL'SVKQMEQTSINNTSAASINNTSAASINNTYAACPSNWT'EGYGNKCFYFSEYTSNWT'FSQDFCEA
QEAELARFDTEEELN'FLKRHKGS'SNPWIGLHRESSAHP'WKWT'DNTEYNL'VPIRGDGLCGFLSDQLN'ISSSRDYV'KR'SWI
CSKPKRYISQSQ
>ratCLEC2D5
MPSSAHLQDPPPLLSR'TLTQNEGQTS'LRQSSSCG'PSAASASELSGSGTESRIPHSKMLQ'GKLP'RNIPLEY'PAGLYCCYV
IIVLSVAVVALSVALSVK'KTAQISTINTYAACPRN'WIGVGNKCFYFNEIPSNWTLSQTLCKEQGAELARFDTEEELN'FLR
RYKGS'GGYWFGLHRESSAHP'WKWT'DNTEYNNSV'SIGDEKHGFLSDNGFSSGRGYI'VRKSI'CRK'PNSYTSQ'CL
>ratCLEC2D6
MPSSAHLQDSPPLLSR'TLTQNEGQTS'LRQSSSCG'PSATSASELSGYTESRIPHSEMLQ'EKFHGIILPESPAKLL'CCCAV
IIVLSVAVVALSVALSVK'KTPQISTVKT'YAACPRN'WIGVGNKCFYFNETARNWTF'FSQTLCKEQEAELARFDTEEELN'FLR
RYKGS'PGCWIGLHRESSAHNWT'WT'DNTAYNKLL'PIRGVEKHGFLSDNGISSR'DYIKRNSICSKLNSYTSQ'CL
>ratKLRB1c
MDTSRVYGNVKTFRSPGHKQASFP'PSLSTDACRCPHWHHLAL'KGCATLILL'LLLTIGLSV'FVFLVQKPLIEKCSMAAQE
NGTEPTGNCV'TQNVSYLSQSSQTALHEDMRTLYC'NGFKFVQNI'LKGRQQLFFI'GLNYVQTEMTW'KWINGSV'LKPNLRITG
SEVENS'CALISHT'EVFSDSCSSDNHWICQKTLKHV
>ratKLRB1d
MHRQCVAEIKSGMMTGRKR'FGDACWGS'GWHRVALKLG'CVGLILL'LLMGLSVLEFNAFGLISCLLVGFLVQKPP'IEKCSVA
VQENKTEPTV'RSTILECPRD'WHLHWNKCLFISQTSR'PWAEGLADCSLRGATLLLIGDGKELKLLQDFSKGKGQ'QFFIGL
YVQEDK'VWKMNGSILN'TNLLRITGKNEENSCALISHT'EVFSDSCSSDNHWICQKTLKRV
>ratCLEC2D9
MSAVKIEEASVDKLIHLTATA'CLQEEDKGV'LVQGLLRSISPESRVK'LHCCYGVVIVVLTVAVVALSVALSVRNKIPVM
ENCEPCSATCP'SGWIGFGSKCFYFSE'DVGNWT'FSQSSCMALD'SHLALFDSLEELIFLKRYKGP'SDHWIGLHRASTKHPWI
WADDTEYSNLV'LIRGGQCGFLSDNGISSGRDY'THRKWI'CNKSSSYTSQYPLFVNP'S
>ratCLEC2D10
MLKIDLTAADCPQEGEMGK'KLQAKCLSVVSPAKLLCCYRVVIVVLI'VAVVALSVALSVRKEK'PVMESCEPCYATCP'SGWI

GFGSKCFYFSEDVGNWTFSSQSSCMALDSHLALFDSLEELNFKRYKGPSNHWIGLHRASTEHPWIWTDNTKYNNMVLTRG
GGECAYLSESGIRSGRGYTRRKWICNKPNSYTVQCPLVVDPG
>ratCLEC2D11
MSAKKASQPMNLNTTGSLOQEGEMGKMFHGKCLRIVSPESPALYCCYGVIMVLSVAVVALSVALSVMKTPQISTINTYAAC
PRNWIIGVGNKCFYFSEYASNWTFSTQTFCKAQEAELARFDTEEELNFLSRYKGSFDYWIIGLHRESSEHPWKWTDNTQYNY
LSIRGVERYAYLNDIGISSARVYADKRWSCSKLNSYSLQCKTPFSP
>ratCD69
MNSEECITENSSSHLERGQRDHGTSVHFEKHREGSIQVPIPCAVLVVVLITSLI IALFALSVGKYNCPGFYENLESFDH
HAASCKNEWFSYNGKCYFFSTTTKTWALAQKSCSEDDATLAVIDSEKDMAFLKRYAGGLKHWIGLRNEASQTKWANGKE
FNSWFNVTGSKKCVSLNHTDVASVDCEANLHWICSKASL
>ratCLEC15A
MQTESSLRLSQSSHRLTFDLKVVTLWILVIGVIAVLLWGFSSFPKFTVTRQTKNEVCSDGVKICLHGWNKLNRCNCF
HFSHANSWFTAKETCKFHDATAVFNQTELDIVMKQMEDIQTFWIGLYKKDFRGPVWWTNGSKYNNWYEVQDYGHCAFL
HKSgidstncndlkeyictqeghcp
>ratCLEC1D
MSDEATYTTLMQDSAGVRGNQDANNLRKEECPAQSPLWRGAALSMTLCLMLVTLGLVTLATMFLQVSNINDINSEKLS
LQKI IHPQDNLSESLNNSRKGLTEESLQSQI SALLEFQGMATKLCKEFLI HASDHKCNPCPKTWQWHGNSCYFYSANE
EKSWRDRKDCDKNATLVKIDSIEERDLLQSQLSLTFSFFWLGLSWDSSSRNWLWEDGSLPPPTLFNEKELASFNRSRE
CAYFERGNIYVSRCSAEISWICEKTASLVKIEDLE
>ratCLEC1B
MQDEDGYITLNIKPRKQALSSAEPASSWRLTALILLISTMGLVAGLVALGIMSVTQQKYLLAEKENLSATLQQLAKKFC
QELIRQSEIKTKSSFHCKSPCATKWRYPHGDCYGFRRNLTWEDSKLFCSEQNATLVKTASQSTLKYITDRITSVRWIG
LSRQNSKKDWMWEDSSVLHNNSIDL SRNTEENMNCAYLHNGKIHPASCTERHYLICERNAALTRVEQLL
>ratCLEC9A
MHEEEIYTSLOQDIP TSEASQKCPSLSKCPGTWCIVTVISCVVCVGLLAASIFLGIKFSQVSSLVMEQRERLIRQDTALL
NLTEWQRNHTLQLKSCQASLQSRSLRSSNCPNPNWIQNGKSCYAFDRWETWNNSSKSKLKEGDSLLQIDSKEEMEFI
NLSIWKLKGGYEWVGVFQDGPSSGFWWEDGSSPLSDLLPTDRQLSASQICGYLKDHTLISDNCSNWKYFICEKKAFGSC
I
>ratCLEC1A
MQAKYSSTRDMLDDDDTTISLYSGTSTVTRRAEPRHSENGTPSSVWRPVALTLLTCLVLLVGLAALGLVFFQFYQLSNT
QQDSITEKDERLGNMSRQLQSLQTONRKLTE TLQQVAVKLCRELYNKSGGHRCSPCPEKWKWHGNKCYQFYKESKTWQSC
EYFCLADNATMLKISTQEELDFAMPQSYSEFFYSYWTGLSRNGSGKAWLWTDGTPYSFELFEI I IDPTNLSRDCMTIFN
GKAYSKDCKELRRCACERVAGRVPPELQ
>ratOLR1
MAFDKMPVNGQPDQKSCGKPKGLHLLSSTWVCPAAVTLAILCLVLSVTLIVQQTQLLQVSDLLKQYQANLTQQDHIL
EGQMSAQKKAENASQESKRELKEQIDTLTWKLNESKEQEKLQONQNLQEQALQRAVNASEESKWELKEQIDILNWKLN
ISKEQKELLQONQNLQEQALQKAEKYSEESQRELKEQIDTLWSKLNESKEQEELQONQNLQEQALQRAANS SGPQDWI
WHKENCYLFHGFNWEKSRNCLSLDAQLLQISTTDDLNFVLQATSHSTSPFWMGLHRKNPNHPWLWENGSPLSFQFFRT
RGVSLQMYSSGTCAIYQGGVFAENCILTAFSICQKKANLLLTQ
>ratKLRE1
MNQTLIICSTLNVNSQQKSKAKNSMKNTFHSHNELSSIEQRQKYQKHLKDKKTAEDITGVGNCSPWRLISSVLFVCLL
LMAVAMVMTIFTTRLSSERSSSNIHQEGLHHPENWVWFRCSYFYSKEKLVWRESQRACLSFNSSLIRMNKEEMDFFS
LKSFFWVGVYDETSKQWLWDDHVSPLPSGMFSGLESSPKNFCASYKSKAEYLAENCSTKLMYICK
>ratKL RD1
MAVSRITRWRLMSMFFGIKCLFLIVALGVLVKNSTIQNIQSTPSSSTPIVEFQKVS KCCACLEKWIGHQCSCYFISKEEK
SWKGSREFCASQNSLLQLQTRNELASSSFFMSSSQAFFWIGIHYNEERSAWLWEDGTFPSKDLFPEFSKFRQDHCIGYS
ISREISSESCENKRFICKQLPT
>ratKL RK1
MSKCHNYDLKPAKWDTSQEHQKORSALPTSRPGENGI IRRRSSIEELKISPLFVVRVLVAAMTIRFTVITLTLWAVFITL
LCNKEVSVSSREGYCGPCNDWI CHRNNCYQFFNENKAWNQSQASCLSQNSLLKIYSKEEQDFLKLKVSYHWMGLVQSP
ANGSWQWEDGSSLSPNELTLVKTPSGTCAVYGS SFKAYTEDCSNPNTYICMKRAV
>ratKLRC3
MSHLLRTEASASEPRKSTKKTQSQLHFSNRAGDHLLLEFSFQHASQKHLKISRQGYCKNFSSPPEKLISGILGIIWFALLIT
LVFSTRIVSSYTEQKKQIHSLLNRTQKDIHNHLSARPCTRCPPDDWMSYSHNCYIISVERKSWNDGLTSCVSKNCSLLHI
DSEEEQAFLOFSLSVSWTGFFRKSRSQPWWENGSTFKPKI TEMLHDEYNCIMMSTSGLTAENCTTLHPYVCKCKFTN
>ratKLRC2
MSHLLGTESASEPRKSTKKTQSQLHFSNQAGDHLLLEFSFQHASQKHLKISRQGYCKNFSSPPEKLISGILGIIWFALLIT
LVFSTRIVSSYTEQKKQIHSLLNRTQKARPCTRCPPDDWMSYSHNCYIISVERKSWNDAL TSCVSKNCSLLHIDSEEQAF
LESFSLVSWTGFFRKSRSQPWWENGSTFKPRITEMLHDEYNCIMMSTSHLTAENCTTLHTYVCKCKFTN
>ratKLRC1
MSNDRVTYAELNVAKNRSRYQHKNPRGSRSSISVIEQEIYVADFSFKNPSQEQRICRDCCHKGFSPPEKLIAGTLGFIS
FVLIVAVVVIITVATPYTETKAQINSSMTRTYQARPCTRCPPDWISYSHNCYIISVERKSWNDGLTSCISKNCSLLHIDS
EEEQAFLOFSLSVSWTGFFRKSRSQPWWENGSTFKPKI TEMLHDEYNCIMMSTSGLTAENCTILHPYVCKCKLTN
>ratKLRI2
MPRKKQNERGTNKQEIINIETKSSSTFQEKQRQSKTDQISTVWRKEQKQELKVHTELHPQHRTGFNEDKGTDPWLTWRI
ITVILGTSCIILVTKVGLIPNLFSRGEKRSRELSLLDSLCLKNNSFCDLCSHDWIAFGNNFYLFRRGKTWAESKSAC
EELNSYLLDIDSRAELENLLLEINGWILFKTDAINRSLRKNYIKIHQTLFNDSEKKNHNSCHYLSGNQFSAGDCSSKKAY
TCEFNL
>ratKLRA34
MSEQEVTYSTLRFHNSSGLQNVKTNETQGPRETGHRGCSVSWHLIMIPLGILCSILLVTVAVLVTHIFQYSQEKHELQE
ALNKLHNNSTMQNESYLNEEMLGNKSSECDAYKSVLDSLNRQQNTCLRLTNI VLDCLQHKGRQVNVHLFCGKI KCYFI
MDKKQWKECEQACQCKLSLLTIDDEDELKFLQLQVTPDSYWIGLSYDNKKHDSAWIDNNPSK
>ratKLRA32
MSEEEITYSTVRFKISSEVQNVQVRPKEPQRTREAVHRESSVPWQIIVIALGILCSVLLVTVAVLLTYIFQYTHAKHELPE
ETLSRINNGSTMQSDIDLKEEMLRNMSINCSQGNDDLQSLNREPKRWYSKIYTVKPSQHTGKNVEIYWFYCYGIKCYFI
LDQKTWIQCKQACQKFRSLKIDDDDELKFLQLQVLSDSYWIGLSYKTKKEWSWIDNGQSELSLNLKYNVKGDCMF

LKSKIRLENACMNPYPICQKRLDKFPD

>ratKLRA30

MSEEEITYSTVRFQNSSEVQNVQVRPKEPQRTRETVHRESSVPWQLIVIALGILCSLLLVTVALLLTNI FQYTHEKHEPAE
ETLSCNNNCSTTQSDINLMEEMLRNMSIKCSQGNDDLQSLNREQTRWYSETKTVI PSSQHTGKNVEIYWFICYGICYFYFI
LDKKTWIGCQQACQKSRLSLLKIDYEDELMLFLRLQVLSQYWI GLSYNKAKEEWSWIDNGSLNLKKYNEKYGGCMFLSQT
RLENAMCMNRYPCICQKRLDNFPD

>ratKLRA28

MSEQEVSYSNVRFKKCSGLQNVQVRPEETQQRARAAGHRERSVPWQLIVVALVILCSLRLVAVAI FVTNI FQYTHEKEYELPE
ETPSLINNCSTMQSDIDLKEEMLRNMSINCSQGNDFLQSLNRVQTRWYRETKTVLPSSQHTGKNVEIYWFICYGICYFYFI
LDTKAWNGCKQTCQDSSSLKIDDEDELKFLRQVLSQYWI GLSYNKREKKWSWIDNGQSEFSLNLKKYNVKDGECMF
LSKMRLENACMNPFPICQKRLDKFPH

>ratKLRA27

MSEQEVSYSYTVRFKKSQRQNVQVRPEETQQTAREAGHTERSVPWQLIVVALVILCSLRLVAVGMILTNI FQYAHEKHGVHE
ILSHKYNSTMQNDIDLKEEMLRNISKNC SRGNDLLQSLIREQKRWYSETKTVI PSSQHTGKNVEIHWFCYGIKCYFYFI
DKKTWIGCKQACQKSRLSLLKIDDEEELKFLRLQVLSQYWI GLSYNKAKQEW SWIDNGQSELSLNLKKYNVKDGDCMFL
SKTRLENAMCMNRYPCICQKRLDKFPH

>ratKLRA26

MSEQEVSYSNVRFQKCSDLQNVQVRPEETQQRARAAGHRERSVPWQLIVVALVILCSLRLVAVVMFVTNI FQYTHEKHELHE
TLSHKYNTSMPNDIDLKEEMLRNMF INCSRGNDLLSLKREQTRWYRETKTVI PSFQHTGKNVEIYWFICYGICYFYFI
DKKTWIRCCQACQKSRLSLLKIDDEDELKFLQLQVLSQYWI GLSYNKAKEEWSWIDNGQSEFSLNLKKYNEKYGGCMFL
SQTRLENAMCMNRYPCICQKRLDKFPH

>ratKLRA25

MSEEEITYSTVRFKISSEVQNVQVRPKEPQRTREAVYRESSVPWQLIVIALGILCSLLLVTVALLLTNI FQYTHEKHEPAE
ETLSCNNNCSTMQCDINLMEEMLRNMSINCSQGNDDLQSLNREQTRWYSETKTVI PSSQHTGKNVEIYWFICYGICYFYFI
LDKKTWIGCQQACQKSRLSLLKIDYEDELKFLRLQVLSQYWI GLSYNKAKEEWSWIDNGQSEFSLNLKKYNEKYGGCMFL
LSQTRLENAMCMNRYPCICQKRLDKFPH

>ratKLRA23

MSEQEVSYSNVRFQKCSGLQNVQVRPEETQQRARAAGHRERSVPWQIAVVALVILCSLRLVAVAMFVTNI FQYTHEKRELPE
ETLSLINNFSTMQSNIYLKEEMLRNMSINCSQGNDDLQSLNREQTRWYSETKTVPSSQHTGQNF E IYWFICYGICYFYFI
LDTKAWNGCKQTCQDSSFFLLKIDDEDELKFLRLQVLSYQYWI GLSYNKTEKEWSWIDNGQSELSLNLKKYNVKDGDCMF
LSKTRLENAMCMNRYPCICQKRLDKFPH

>ratKLRA22

MSEQEVTYSTVRFKKSSEM QNVQVRPKEPQRPREAGHRESSVPWQLIVIALGILCSLLLVTVALLLTKI FQYNHEKHALPE
ETLSPINNCSTMQSNIDLKEEMLRNMSINCSQGNDDLQSLNREQTKWYSETKTVPSSQHTGKNVEIYWFICYGICYFYFI
LDTKAWNGCKQTCQDSSFLKIDDEDELKFLRLQVLSYQYWI GLSYNKTEKEWSWIDNGQSELSLNLKKYNVKDGDCMF
LSKARLENAMCMNRYPCICQKRLDKFPH

>ratKLRA18

MNEQRFTFSTARFHKSSVLQNVQERTEETQQRPRKAGNRDCSVCWQITVTALGILCFFRLVSVAVMVINI FQYSQEKHELQE
TLNLHNNYSTMQNDINLKEEMLRDMSTEYSAVNHFLDFLNREKNRCYNKTKTVLDSSQHSGRGVEMHWFCYGIKCYFYFI
MDRKTWSGCTQTCQNFSLPLLTIDDEDELMLFLHLLVTPDSYWI GLSYDNKKSDWTWIDNNPSKLALNTRKYNIKDGCCVF
LSKTRLDNINCNDFSCICGKRLDKFPH

>ratKLRA15

MTEQEVYTYTTRVRFKSSVFQNKVRSSEDTSAKENGHRESSVPWKLIVIALGILCSVLMVTVAALVTNI FQYSNEKHELQK
TQNRQHNCSTMEKDINLKEETLRNMSVESVHYNALLDLINREQNRWYKKTKTVLAS PQHTGGCDEMHWFCYGIKCYFYFTM
DIRIWHECKQTCQNYSLSLFKIDDKDELKFLQDHI IRDNYWIGSSYNNKKKEWSWIDNSP FNLD FVARN SLRKTGYCMYF
SMAGLHDDDCGKRYLCICEKGMDKI PAPLCSVKETSHSAV

>ratKLRA11

MTEQEVYTYTTRVRFKSSVFHNVRSKETLSAKENGHRESSVPWKLIVIALAILCSVLMVTVAALVTNI FQYSNEKHELQK
TQNCCHNCSTIENDIKLKEEMLRNISVESVHYNAFLDLINREQKRWYKKTKTVLAS PQHTGRCDEMHWFCYGIKCYFYFTM
DIRIWRECKQICQNYSLSLFKIDDKDELKFLQDHI IRDNYWIGSSYNNKKKEWSWIDNSP FNLD FVARTLLRKTGYCLYF
SMSGLHDDDCGKRYLCICEKGMDKI PAPLCSVKETSHSAV

>ratKLRA7

MCDQEVYTYSTVRFKSSGLQNVQERAEETQGP I EAGHRKCSVLWQHIIKIALGILCSHLLVTVALVAMS I IQYSQENHDLQK
TLKHHHNCSTMQSI IDLKGEMMRNKSIECRSGSEYLDLQSLKREQERWNRKTKTILNSTEHI GKGVKIHWFCYGIKCYFYFIM
VKKSWNGCQQTQCNSSLPLKIDHEEELKFLQIQV I SDNYWIGLKYHNEEKGWAWTDNGESKLVLSRRKFNLKDGCCVFL
SKRRLNTKCDNSYSCICGKTLDKFPG

>ratKLRA6

MSEQEVI FSTERFHKSSGLQNVQVRPEETQQSRKAGPRVCSVPCQLIVIALVVLCSLRLVIVAVLVVTNI FQYTQEKHELQE
TLIYHHNCSAMQSDIDLNEEMLRNKS IDCSTGNDLLES LNREQNRWYSKTKAVVKSSQHTGSEI ETYCFYGIKCYFYVIK
DGKSWDECKQTCQNSLFLKIDDEDERKFLQQLI PDNYWIGFSYDKEKKEWAWI ENGPSKLASNTVKFNEKLGCCVFL
SKTRLDHVD CRNLYSCICGKRLNKFPDLLFN

>ratKLRA4

MSEQEVI FSTERFHKSSGLQNVQVRPEETQWSRKAGPRVCSVPCLLIVIALGIPRLVIAAALVSHI FQYSQKKHGLQEI P
NHHHNCSSMQSDIDLKEEMLRKKS IDCSTGNDLLES LNREQNRWYSKTKTVNNSPHTGSEI ETYWFCYGIKCYFYVIKDG
KSWDECKQTCQNSLFLKIDDEDERKFLQQLI TDNYWIGFSYDKEKKEWAWI ESGPSKLASNTMKFNKLGCCVFLSK
TRLDHTDCINLYSCICGKRLNKFPDLLSN

>ratKLRA3

MSEQEVTYSSVRFKSSGLQNVQVPEETKGPKEAGHRECYVPWHLIVIALGILCTLLLLVTVALVTI I FQYSQEKHELQE
TLNHHHNCAMQRDIDLKEEMLRKKS IDCSPGNDLLESFNRSKNRWYSKTKAVNNSQHKGSEI ETYWFCYGIKCYFYVIK
DGKSWDECKQTCQNSLFLKIDDEDERKFLQQLI PDNYWIGFSYDKEKKEWAWI ENGPSKLASNTMKFNKLGCCVFL
SKTRLDHTDCINLYSCICGKRLNKFPDLLSN

>ratKLRA2

MSEQEVTYSSLRFKSSRLHNQVQVPEETRGPREAGHRECYVPWHLIVIALGILCTLLLLVTVALVTNI FQYSQENHELQE
TLNQHNCSAMQNDIDLKEEMLRKKAIECS PGNDLLELNREQNRWYSKTKTVINSLQHTSNEI ETHWFCYGIKCYFYFIKD
RKTWHGCKRI CQNSLFLKIDDEDERKFLQQQV I PDNYWIGLSYEKEKNKAWI ENGPELASNTKIFNERDGACVFLS
KTKLDSIDCNLYSCICGKRLNKFPDLLFNEC

>ratKLRA1
MSEQEVYTTVRFHKSPLQNVQVRPEETQRPKAGHRECSVTWKPIVIVLGI LCSLLLVTAVLLTHIFQSRQEKHEHEQ
RLNNLDQLYHVMKNDSSLMEEERLRNKSLEFETCKNTLDNLNREQNRQCYRESKIDLKCFKYKQVEGHWFCCGMKCYFYI
TDNVQWNGCKQICQACSLSLKIDDEDEMNFLKSQLQGRYWI GLTYNKS PPKQQWIGDP PKLDVAGVNLGHDRGNCAFL
SSFQIDNEDCAKTCGCICEKRLNIFPILVTCVNVQR
>humanCLEC4C
MVPPEEPQDREKGLWFWQLKVMASMAVVSILLLSVCF TVSSVVP HNFMYSKTVKRLSKLREYQQYHPSLTCVMEGKDI EDW
SCCPTPWT SFQSSCYFISTGMQSWTKSQKNC SVMGADLVVINTREEQDFI IQNLKRNSSYFLGLSDPGGRRHWQWVDQTP
YNENVTFWHSGEPNNLDERCAI INFRSSEEWGWN DIHCHVPQKSI CKMKKIYI
>humanCLEC4A
MTSEITYAEVRFKNEFKSSGINTASSAASKERTAPHKSN TGFPKLLCASLLIFL LLLAISFFIAFVIF FQKYSQ LLEKKT
TKELVHTTLECVKKNMPVEETAWSCCPKNWKSFSSNCYFISTESASWQDSEKDCARMEAHLLVINTQEEQDFI FQNLQEE
SAYFVGLSDPEGQRHWQWVDQTPYNESSTFWHPREPSDPNERCVVLNFRKSPKRWGWNDVNC LGPQRSVCEMMKIHL
>humanCLEC4D
MGLEKPKQSKLEGGMHPQLIPSVI AVVFI LLLSVCF IASCLVTHHNF SRCKRGTGVHKLEHHA KLKCI KEKSELKSAEGST
WNCCPIDWRAFQSNICYFPLTDNKTWABSERNC SGMGAHLMTISTEAEQNFIIQFLDRRLSYFLGLR DENAKGQWRWVDQTP
PFNPRRVFWHKNEP DNSQGENCVLVVYNQDKAWNDVPCNF EASRI CKIPGTTLN
>humanCLEC4E
MNSSKSSETQCTERGC FSSQMFLWTVAGIPI LFLSACF ITRCVVTFRI FQTCDEKKFQLPENFTELS CYNYGSGSVKNCC
PLNWEYFQSSCYFFSTDTISWALS LKNC SAMGAHLVVINSQEEQEF LSYKKPKMREFFI GLSDQVVEGQWQWVDGTPLTK
SLSFWDVGE PNNIATLED CATMRDSSNPRQWNDVTCFLNYFRICEMVGINPLNKGKSL
>humanKLRG1
MTDSVIYSMLLEPTATQAQNDYGPQQKSSSRPSCSCLVAIALG LLTAVLLSVLLYQWILCQGSNYSTCASCPCSPDRWM
KYGNHCIYFSVEEKDWNS SLEFCLARDSHLLVI TDNQEMSL LQVFLSEAF CWIGLRNNSGWRWEDGSPLNFSRISNSFV
QTCGAINKNGLQASSCEVPLHWVCKKVR L
>humanKLRB1
MDQQA IYAE LNLPTDSGPESSPSSLPRDVCQGS PWHQFALKLSCAGI ILLV LVVTGLSVSVTSLIQKSSIEKCSVDIQQ
SRNKTTERPGLLNCP IYWQQLREKCLLFSHTVNPWNNSL ADCSTKESL LLI RDKDEL IHTQNLIRDKAILFWIGLNFSL
SEKNWKWINGSFLNSLEIRGDAKENS CISISQTSVYSEYCS TEIRWICQKELTPVRNKVY PDS
>humanCLEC2D2
MHDSNNVEKDI TPSEL PANPGCLHSKEHSI KATLIWRLFFLIMFLTI I VCGMVAALSAIRANCHQEPSVCLQAACPE SWI
GFQRKCFYFSDDTKNWTSSQRFCDSQDADLAQVESFQELN FLLRYKGPS DHWIGLSREQQGPWKWINGTEWTRQFPILGA
GECAYLNDK GASSARHYTERKWI CSKSDIHV
>humanCD69
MSENCFVAENSSLHPESGQEDATSPHFSTRHEGSFQVPVLC AVMNVV FITIL IALIALSVGQYNC PGQYTF SMPSDSH
VSSCEDWVG YQRKCYFISTVKRSWTS AQNACSEHGATLAVIDSEKDMN FLKRYAGREEHWVGLKKEPGHPWKWSNGKEF
NNWFNVTGSDKCVFLKNTEVSSMECEKNLYWICNKPYK
>humanKLR1F1
MQDEERYMTLNVQSKKRSSAQTSQLTFKDY SVTLHWYKILLGISGTVNGILTLTLISLILLVSQGVLLKCKQKGS CSNATQ
YEDTGLKVNNGTRRNI SNKDL CASRSADQTVLCQSEWLKYQ GKCYWFSNEMKSWSDSYVYCLERKSHLLI IHDQLEMAF
IQKNLRQLNYVWIGLNF TSLKMTWTWVDGSPIDSKI FFIKGP AKENSCAAI KESKI FSETCSSVFKWICQY
>humanCLEC2B
MMTKHKKCFI IVGVLI TTNIITLIVKLRTRDSQSLCPYDWIGFQNKCYFYSKEEGDWNSSKYNCSTQHADLTI IDNIEEMN
FLRRYKCSSDHWIGLKM AKNRTGQWVDGATFTKSF GMRGSEGCAYLSDDGAATARCYTERKWI CRKR IH
>humanCLEC2A
MINPELRDGRADGFIHRI VPKLIQNWKI GLMCFLSI IITTVCI IMIATWSKHAKPVACSGDWLGVRDKCFYFSD DTRNWT
ASKI FCSLQKAELAQIDTQEDMEFLKRYAGTDMHWIGLSRQGD SWKWTNGTTFN GWPSNSKWS CNWSLRQWLLLLGPLR
>humanCLEC1C
MSEEVTYADLQFQNSSEM EKIP EIGKFG EKAPPAPSHVWRPAALFLTL LCLLLL IGLGV LASMHVTLKIE MKMKNKLQNI
SEELQRNISLQLMSNMNINSNKIRNLSTTLQTIATKLCRELYSKEQE HKCKPCPRRWI WHKDCSYFLSDDVQ TWQESKMAC
AAQNASLLKINNKNAL EFIKQSRSYDYWLGLSPEEDSTRGMRVDNI INSSAWVIRNAPDLNMYCGYINRLYVQYYHCT
YKQRMICEKMANPVQLGSTYFREA
>humanCLEC1B1
MQDEDGYITLNIKTRK PALVSVGPASSSWVRVMA LILLILCVGMV VGLVALGIWSVMQRNYLQDENENRTGT LQQLAKRF
CQYVVKQSELKGT FKGHKCSPCDTNWRYYGDS CYGFRHNL TWEEKQYCTDMNATLLKIDNRNIVEYI KARTHLIRWVG
LSRQKSNEVWKWEDG SVI SENMFEFL EDGKGNMNCAYFHNGKMHPTFCENKHYLMCERKAGMTKVDQLP
>humanCLEC1B2
MALILLILCMGMVVGLVALGIWSVMQQNYLQVENENLSGTLQQLAKHFCQYVIKQSEQKGGWVCP DANWTTYGDSCYGF
FKHNL TWKESEYCTDMKATLLKTDNQNI LEYIKARTGLIHWVRLSHQNSNEVFFEGIYSTFP IHRFGLSE DGKGNMNC
YFHNQKRHSTFCENKHYLMCERKAGMAKVDQLP
>humanCLEC9A
MHEEEIYTSLQWDS PAPTQYQKCLSSNKCSGACCLVMVISCVFCMGLLTASIFLGVKLLQVSTIAMQQQEKLIQQERALL
NFTWEKRSCALQMKYCAQAFMQNSLSSAHNSSPCPNWI QNRESCYVSEIWSIWHTSQENCLKEGSTLLQIESKEEMDFI
TGLSRKIKGSYDYWVGLSQDGHSGRWLWQDGS SPSPGLLPAERSQSANQVCYVKSNSLLSSNCSTWKYFICEKYALRSS
V
>humanCLEC1A
MQAKYSSTRDMLDDDGD TTMSLH S QGSATTRHPEPRRTEHRAPSSTWRPVALTL LTLCLVLLI GLAALGLLFQYYQLSNT
GQDTISQMEERLNGTSQELQSLQVQNI KLAGSLQHVAEKL CRELYNKAGAHRCSPCTEQWKWHGDNCYQFYKDSKSWEDC
KYFCLSENSTMLKINKQEDLEFAASQSYSEFFYSYWTG LLRPDSGKAWLWMDGTPFTSELFHIIIDVTS PRSRDCVA I LN
GMIFSKDCKELKRCVCERRAGMVKPESLHVPPETLGE G
>humanCLEC7A
MEYHPDLENLDEDGYTQLHFDSQSNTRIAVVSEKGS CAASPPWR LIAVILGILCLVILVIAVVLGTMGV LSSPCPPNWI I
YEKSCYLFMSLSNSWDGSKRQCWQLG SNLLKIDSSNELGFI VKQVSSQPDNSFWIGLSRPQTEVPWLWEDGSTFSSNLFQ
IRTTATQENPSPNCVWIHVSVIYDQLCSVPSYSICEK KFSM
>humanOLR1
MTFDDLKIQTVKDQ PDEKSNGK KAKGLQFLYSPWWCLAAATLGVLC LGLVVTIMVLGMQLSQVSDLLTQE QANLTHQKKK

LEGQISARQQAEEASQEBSENELKEMIE TLARKLNEKSKEQ MELHHQNLNLQETLKRVANCSAPCPQDWIWHGENCYLFSS
GSFNWEKSQEKCLSLDAKLLKINSTADLDFIQQAISYSSFPFWMGLSRRNPSYPWLWEDGSLPMPHLFRVRGAVSQTYP
GTCAYIQRGAVYAENCILAAFSICQKKANLRAQ
>humanKLRD1
MAVFKTTLWRLLISGTLGII CLSLMATLGI LLKNSFTKLSIEPAFTPGPNIELQKSDCCSCQEKWVGYRCNCYFISSEQK
TWNESRHLCASQKSSLLQLQNTDELDFMSSSQQFYWIGLSYSEEHTAWLWENGSAQSQYLFPSFETFNTKNCIAYNPNGN
ALDESCEDKNRYICKQQLI
>humanKLRK1
MGWIRGRRSRHSWEMSEFHNYNLDLKKSDFSTRWQKQRCPPVKS KRENAS PFFFCFIAVAMGIRFIIMVAIWSAVFLN
SLFNQEVQIPLTESYCGPCPKNWI CYKNNCYQFFDESKNWEYESQASCMSQNASLLKVYSKEDQDLLKLVKSYHWMGLVHI
PTNGSWQWEDGSILSPNLLTIIEMQKGDICALYASSFKGYIENCASTPNTYICMQRTV
>humanKLR3
MNKQRGTFSEVSLAQDPKPKQQRKPKGNKSSISGTEQEIFQVELNLQNASLNHQGIDKIYDCQGLLPPPEKLTAEVLGII
IVLMATVLKTIIVLIPFLEQNSSPNTRTQKARPCGHCPEEWITYSNSCYIIGKERRTWEESLQACASKNSSLLSIDNEE
EMKFLASILPSSWIGVFRNSSHHPWVTINGLAFKHEIKSDHAERNCAMLHVRGLISDQCGSSRIIRRGFIMLTRLVLNS
>humanKLR2
MSKQRGTFSEVSLAQDPKPKQQRKPKGNKSSISGTEQEIFQVELNLQNPNSLNHQGIDKIYDCQGLLPPPEKLTAEVLGII
IVLMATVLKTIIVLIPFLEQNSSPNTRTQKARHCGHCPEEWITYSNSCYIIGKERRTWEESLLACTSKNSSLLSIDNEE
MKFLASILPSSWIGVFRNSSHHPWVTINGLAFKHKIKSDNAELNCAVLQVNRKLSAQCGSSMIYHCKHKL
>humanKLR1
MDNQGVIIYSDNLPPNPKRQQRKPKGNKSSILATEQEITYAELNLQKASQDFQGNKTYHCKDLPSAPEKLIIVGILGII
LILMASVVTIVVIPSTLIQRHNSSLNTRTQKARHCGHCPEEWITYSNSCYIIGKERRTWEESLLACTSKNSSLLSIDNE
EEMKFLSIIISPSSWIGVFRNSSHHPWVTMNGLAFKHEIKSDNAELNCAVLQVNRKLSAQCGSSIIYHCKHKL
>dogCLEC4E
MNSSQPSISQGTERGCFSSQVLLRTIAGVSI LLLSVCFITRCLVTYHNFQLCDENKQFQHEAFMDFSCSNDGLGSVKNC
PSDWVHFQSSCYLFTNTMSWTS SLKNC SNMGAHLVVINTQEEQEFLLFFAKPKRKEFYIGLTDQVKEGQWQWVDGTPFTE
SLSFWDVGEPPNIIVTEDCATIRDSSNPRKNWVPCFFNMFRICEMPEINVSSNKKNYLRTESTT
>dogCLEC4D
MGQAEPQNKRGQHLQLIPWATAVFFISLLSACFIANCLVTHHNFLRCSKGMGVFKLPEYHTKLICTREISKLKGRGSCC
PFGWRAFQSNCYLPLNDNKTWAESERNCTSMGAHLATISTEAE LNFI IQFLDRQFSYFLGLIDENHEGLWSSVDKTPFKP
DILFRHEDEPNQKENCVVLVNAQDKWALNDFPCNFETRICKLPGTAFN
>dogKLRG1
MIDNDIYSVWQWSTEPQAQNDYRPPQKVSSGRSPLSRHVAIALGFLSTILVCFLLVQWILCQGSKNCNTCTSCYSCPDLWM
RYGNHCYFYSVEKKDWNSSLEFCLAEDSHLLMFTDNQEMSLLNFLRKYDYYWIGLRNSSGWRWEDGSALNHSSILSNLI
QKCGTFSEAGLRASSCEVLLPWVCERVR
>dogKLRB1
MDRQVIYADLNL SRGSCFASSPPSLPQDVCQGSAWHQFALKLGCTAVILLTTLTVIGLSVSVIFLRQNSSIEECRVDVQV
NGNETTEKPNLLQCPVHWHLLQEKCLFFSHASNTWKDSLTDCSAKESLLLIQDQEELIRGLIYKKEILFWIGLNLTLSE
KKWKWINGSFLNLSNLQIAGYNKESSCVYISLTGIVSENCDAENQWICQKELKPRNKI
>dogCLEC2D
MHDSTGVEANFVPVDDLATPNYLSSKKHSININQNRILVILILILIFLILTLVGLITGLLVPRRKLHKISSSECFEAC
ESWIGFQRKCFYFSDDIKNWTFQRFCDYGADLVQIETLLELNFLRLRYKGPYDHWIGLSRDLGQPKWVNGTEWTFPI
RGGGECAYLNDKGASSARRYTERKWI CSKPDY
>dogCD69
MNSEDGCITENSSLHPEKGGQQAASPHFATQHEGSLQVPIPCAVNVVLIITVLI IALIALSVGQYNCPPDISLVPSNSR
VSSCSDDWIGYQRKCYFISTETKNWTLAQKFCYKQATLAFIDSEKDMI FLKRYVGRVKHWIALKNEDGQTWKSNGREF
SNWLNLTGFENCTFMNSTEVSSTACENNLHWI CSKSSK
>dogKLR1
MQDEERYMTLNLQLKKRSSSQIFQLKHKDCSVMLHWYKVVLLGISGTVNGILLTLISL SLLVSQGVLLKQEGKNSNITQ
HDDIGNLETNSGTRGNINNKDTS LCGSKATDHIGLCPSEWLKYQEKCYWFSNEMKSWSDSYGYCLERKSHLP IQDQLEM
AFIQKNLQKSNYVWIGLNF TSLVRTWTWVDGSSLD SNFVIKGPAKEDSCAATKEDIYSETCSSVFKWICQ
>dogCLEC2B
MTGSLVVS LIDNSNQGTDAKKQVLEHRSTQYSCPDDWIGFQNNCYFYSKEERDWTSSRHNC TQOQADLTMIDTMEEMN
RRYKCTSDHWIGLEMTENKSGRWVNGTIFKKWFLVRGNEKCAYLDDGAATARCYAERKWCRRKM
>dogCLEC15A
MEGEAIENTDGEVVEQEVKRPVKNPKI FEDNTCSEDETI CPKGWNQIRNNCFQSEYEKTWIDGQANCIAYRGLAIFN
SKNEVESLMPYLGPSSYWIGLKKLNASTPMMWANEDAFNNWFKIEGNGTCAFMFKKGISSTSCDDAIKYICREALCL
>dogCLEC1C
MSEEVTYADLKFQDSRKGENIHEFDTVGIKVYTTLKIEMRKLNLQNFKEELQRNISLQ LMSNMNSSKMI RNLSVTLQVT
ATKLCHELYKREPEHKCKPCPKTMMWHEDSCYILKNSYETWQESVMFCSAQNASLLTIKNKSVLEFIKSNRLYNYWGLS
PKYDRDYQKLDETIFSSNWFMRTNDVNGLMYCYVDIPFVYIYKCTARQRVICKKLADPVKIESMLMNEIPNEKYS
>dogCLEC1D
MSEEVTYATLMFQDSVGERNNRDRNYLRNREYPAPSP IWRQAALSLLTLCLLLLIGLVTLGIMLQTSNEINSDSEKLSQ
QKI IHYQQNLSQQLSNYRSFPTEEKFLKSQISSLLRRQEOMA IKLCQELI IHTSDHKCNPCPKMWQWYQHSCYFATNE
ENTWTNSRKYCMDKNSTLMKIDSLEEKDFLKSQPLPTLSFFWLGLSWDPSGRNWLWEDGSPSPSLFSTKEYAQINGSKG
CAYFQKGNIIYISRCSAEISWICEKMAALVKIEDLD
>dogCLEC1B
MLDEDGYITLNIKTRKSALTSVSDSNSSLWRVMALILLILCVGLIVGLVTLGIMVTEQNYQQVENKNVSGTLNQLAKQFC
QYLIKQSEQKSNVRHKCSPCDRNWRYYGDSYGFKHNLTWEESKQYCVINVNATLLKITSQKVLKYIKSRTGFI RWVGLS
RKNPNEIWMWEDGSPSKDV FELSGNERENMCAFYNGKIYPTVCKNKHYLICERKAGMVNDALL
>dogCLEC9A
MQEEETYTLRWDSPTPSYQKHLSSTKYSGAWCLVTVITC ILCVGS IATSVFLGLKQVSTIAMKQREKLILQDRALLN
FTQWERNHNLQMKYQTLMQNSFSSAHNCSPCPDNWIQNGESCYHVFENWKIWHTSKEDCLKEGSNLLQIDSKEEMDFIT
GSLKVKSGFDYVWGLSQDGLSKPWLWQDSSPSDLSPVQTLQSTNQLCGYLKDKFLSSANCSIWKYFICEKYALRSS
>dogCLEC1A
MQAKYSSTRDMLDADGDTIMSVQSRASSTTQQPELRHTGHRSPSSVWRPVALTLLSLCLVLLIGLLALGLVFQIYQLSNT

QQDSISHKEERLGNLSRQLQSLQTKNRKLAELIQRVAEKLCRELYNKSGENRCSPCPEEWKWHGDKCYRFYRESKSWQGC
EYFCIAENATMLKINTQEVLDVFAMPQSYSEFFYSYWTGLSRNGSGKAWLWMDGAPYSSELFEI IIDFTSLRNRDCVTILN
GKAFSKDCKELRRACERRAATVKPESLH
>dogCLEC7A
MEYHSGVENLDEDGYTQLNFHSQGITGRPVVLEKVTCAATSPRWRPIAVTLGILCLLMLVIAVILGTTAFWRFNSSNPLK
NDNFPSRNKENHSQPTQSSLEDHVAPTKALTTTGAFSSSCPNNWI THKNNCYLFSTSLASWNRKRHCSQLHSNLLKIDT
AEELEFIVRQVSSQPDNSFWIGLSRHRQTEGPLLWEDGSVFSNLFQIRSTDTQENSSHNCVWIHLSI IYDQLCSVPSYSI
CEKKMS
>dogOLR1
MTFDDDFKSKTMKDKPDQKPNGGKAKGLHFLSSRWPCAAVTLGILCLGLLVTLILLAMQLSQVSNLLKQQQANLTHQEI I
LEGQILAQQQAECTSQESERELKKTIE TLTQKLDKESKKQOMELHHQNLNLQEALRKAANFSGMGDGPERRIVLRIVEIFL
CKPQSLNMLYFLGHCPQDWLWHEENCYLFSSGPFNWEKSQENCLSLDAQMLI INSTEDLEFIQQASAHSNFPFWMGLSLR
KPSSSWLWEDGSPLMPHLFRLQGPVSHVYPSGSCAYLQRGAVFADNCILSAFTICQKKANLLR
>dogKLRK1
MKLVDRWAHHSMEMNEILNYNSEPVTHGTSRRQRKPTLITSKCGENWIFNESYCGPCPKNWI CYRNSCYQFFNESKS
WYQSQASCRSQNSLLKIYSREDQDFFKLVKSYHWMGLIQIPTNGSWQWEDGTILLPNQLTMVEMQNGTCAVYSSFKGY
TENCLTPNTYICMQRIV
>dogKLRA1
MSNEKVIYSSLRFLQSPESQNRRLADTTQSPGKKGKGFVPRHLIVVILGILCLLLLI I VAVLGTQKQFIQENHHLGEM
IGNLTQEYHILQNDSYLKDQLLTNKSLEYNILKNEMLQQKQEDLLFTNRFTQS KNKGKLGHENHQSCHR I KYYYFTSKSE
KWIGCKKTCQSCNSLLKISDEDELTFIQAQTYKKNYWIGLLYDIKEEKWKWVDTLDPFGNFTFMGFSGRGQCAFLSSTR
VTNIDCSNSYHCI CEKRIDNVLSASFQRYKKKR
>cowCLEC4A
MTSEVTVYEVKFNPKSSGTESELPAKGDWSSCPKNWGPFSNCFISNGAKSWNDSEKECLRMNAHLLVINTKAEQDFI
TQKLKTD SAYYVGLSDR TLTTGKRHWQWVDEI PYNESATFWHEGEPNNPKERCVM LNAPSRKKGWND CSCNEFHKFI CKM
MKIYL
>cowCLEC4D
MKILIFNNSFQPIHLELQKQNCVGRTEKVGTLTITVKENLLSAVRPQVTHHNFLSCKKGTGFFRLPKQHPKVICVREKPE
LKGTEGTWNCPPVWRAFPQSNCYFPFNDNKTWAQSESHCSGMGGHLATISTGAEQNFITQFLDRRFSYFLGLRSENLDGQ
WHWVDKPPFNQIVFWHKREPNDQKEKCVVLVNDKDKWAWSDFP CDSKTSWICKITGTAFN
>cowCLEC4E
MNSSTSPASQTERRCF SFQLFSWAIAGTSILLLSACFITRCVVYTSIFQLCDEKQFP PGDSMELSCYNDGSGSVKNCC
PLKWFHFQSSCYLFSPTMSWRASLKNCSMGAHLVVINTQEEQEFLYYTKPRKKEFYIGLTDQVTEGQWQWVDGTPFTK
SLSFWDAGEPNLIVEDCATIRDSSNPRQNWNDVPCFFNMFRVCEMPERKI
>cowKLRB1 Un
MESQLVYADLNLPRDSGIERSSPSSLQDLQCQGRWHNFPLKFSCAV I ILLALVTVGLSVVIFIRQNTSVEKTSMDAQEN
RKEATTLERPVLLT CPMHWKRI RDKCLYFSETSKPWNDSLADCSTRESSLLIQDQEELMQNLINKEGILFWIGLNF TLS
GKSWKINGSFLNSNLP I FGD AKEDCCVYISK TQCI SDYCAAKNRWICQKELKPV RNK
>cowCD69
MNSDFSATETSSLHLKREQQSATGTYSATYHEGSIQVPIPCAVNVVVFITTLI IALVALSVGQYNC PGQYASSAPPNTH
VFPCSDDWI GHKGYLI SKKTKNWTLAQNFCSKHGATLAVIDSKEDMNFLKQHVGRAEHWI GLKNEAGQ TWKWSNGQEF
NNWFNLTGSENAVLNSAEISSTECDKNLHWI CSKPSK
>cowKLRB/F
MAGEIVYADIKHTSSEHSSSLQKSDSHHHGIFLKVGCAMI I ILLVIVIVLSMLVIQFKSARQTEVDNELKKKYCTEQSKS
EANNISVFNSSSTVHTS CPTKDWKLHGGKCYWVAEHNKSWNESKNDCVTKKSHLMVVRDFTDTTFLWQNRHHSFWVGLR
IPPGGLKWTWLDNSTFDPLQF LFSNQRETRSMKCAWVSSTEITKEDCQKSYPWICQL
>cowKLRF1 Un
MQDEEIMYTLNTQLKKRSSIQTFQFKLLDCSVM SHRYKILLGISGGLNGILVLTITLSLLVSQEVLPKCLKQYNSNITQ
HDDTGYLEVNSDTRGNIHKKADADHCVS RATGHKGMCSSEWLKYQEKCYWFSNEMKNWSDSYKYCLGEKSHLLI IQNQLLEL
AFIQKTLKQSNYVWIGLNF TSLKRTWTWVDDSP LDSKMF I KGP AQENSCAAVKENGIYSETCSSVFKWICQY
>cowCLEC2D2
MAIFPGHGFVVRDFGNRGDKDLRKI CLAIISPVTPTKLCCIL I I FILVALNVVTFSTLLAVRSRETDLQVLYVTC PKGW
IGFGNCKFYFSESENWTL SQISCTSVGAVLAQFETE EELNFLRYKGPSDHWIGLSRESSHHAWKWT DNSKYNASFIIT
GDGERGYLNDLGISSARSYTD RKWICSKQITSPC
>cowCLEC2D1
MAISPGLGPLVRDFGNRGDKDLRKKCLAIISPVTPAKFCCIL I I FILVALYLVTL SALLAVRSRETDL LILYVSCPKGW
IGFGSKCFYFSEDSKNWTF SQT SCTSVGAVLAQFETE EELNFLRRYKGI FDHWIGLSRESSHHAWKWT DNSKYNASFIIT
GDGERGYLNDLGVSSARSYTD RKWICSKQIT SACP
>cowCLEC2D4 Un
MTSTEVFLKILETDPTYRENTAEAWRSKGGLQKCLAITSSVTPATLCCIL I I LILVALNVVTL SVLLAVRSRETDLQV
YVTC PKGWIGFGNCKFYFSESENWTL SQISCTSVGAVLAQFETE EELNFLTRYKDI FDYWIGLSRESSHHAWKWT DNSK
LNVFVVIQGTGECAYLTD SGVSSGKRYVIRKR I CSKTNSNVSISLDAL
>cowCLEC2D3 Un
MFQKNSISRENVEEGRSGKLLGILYLLSQQS QILQRICLPIISFVTS AKFYRFIFIASLANLMLFYPLFPVRRRELD SH
VLYVPCSKGWIGFGSKCFYFSESTRNWF SQT FCTSVGAVLAQFETKDELNFLIRYKGHSDHWIGLSRESSHHVWKWTDN
SKYNASFAITGDATCGYLNDLGVSSARSYTD RKWICSKQIMFP CP
>cowCLEC1C
MSEEVTYADLKFQDSSQTENIQKFDTLKTGMEKLNKLQNFKKEELQRNMSLQLMQNTNSSQKIRNLSIKLEEIATKLCREL
YTKEHKCKPCPEEWMWHDDKCYLLHAYQRQETWQKSDEICSGYNASLLTIKSKSVLEFIKSLKLN NYWLR LSPRKDNTKY
GNLDTIFPLNWFTRNTSVINDQMYCGVYYATFYI I KCTETKNI ICEKLAQPVKTESILMSEILDGRK
>cowCLEC1D Un
MSEDVTYATLTFQDSVAAGNNQDRNLRKRGPAPSS IWRQAALGLLTLCVMLLIGLVTLGIMLQMSSEINSDSKLTQL
QKI IHQQQDNLSQQLSKYRNFPVEEFLKSQISSLLKRQGNHQTLP RANHSYFSDHKCNPCPKTWKQYQTS CYFFAVN
EECTWPNRKNKMDKNSTLVKIDSLEEKDFLRSQPLPKFPFFWLGLSWDPSGRS WLWEDSSRPSPSLFSAYEYAQINESK
GCAYFQNGNIYISRCSAEISWICEKTAALVKIEDLD
>cowCLEC1B Un

MQDEDEGYVTLNIKTQKPALTSVEPAPSPLWRVMALTLVLVLCVGMVVLVALGLMLAVMQQNYLQAENENLSGTMKLLVKK
VCQDLIQLSGQKQSHKCNPCDTHWRYYGDSYGFRRHNLTWEESSKKYCIDVNATLVKISSKSIHQYFNSRTGLIRWIGLS
RQKSSDVRWEDGSVLSKTMHRLKLSGTGTENMNCAYPFHNGNIHPTFCENRHYLMCERKAGVVKVEHLL
>cowCLEC9A Un
MQEDEIYTSLQWDTPTSNNPYQKHLSSSTKNSGVWCLVMVILCIFCIGSLATSIFLGIKVFQMSSTIMKQEQKLIQERALL
NFTQWKRPNLQMTYQCOTLMQKSLSSGNYNCSPCPDNWIQNGESYHVFESWTFWHTSRKDCWKKGSDLLQIESKEEMDF
ITGSLKKIKRNYDYWVGLSQNGSNQPWLWQDGSPPSADLLPRQGPQSTNQVCGYLRDNDLSSANCSVWKYFICEKYALRS
S
>cowCLEC1A
MLAKYSSTRDMLDADGDTTMSLHSSQASATSQRPELGHGTGRSPSSAWRPVALILLTLCLVLLIGLAALGLVFQFYQLSNT
QQDSILQKEEKLGNLSRQLQSLRTQNRKLAETLHHVAEKLCRELYNKTTGGEHRCSPCPEKWKWHGDKCYQFYKESKSWQG
CEYFCIAENSTMLKINTQEVLEFAMPQSYSEFFYSYWTGLSRNSSGKAWLWMDGTPYSSSELFKDCRELRRCAKAAAM
V
>cowCLEC7A
MEYQSSVENLDEDGYTQLDFSSRNITRRSVVSEKGLCAASSHWRLIAVTLGILCSVMLVITVVLSTSGIWRSSSGNLLK
SDSFPNRKNDNSQPTQSSLEDSVIPTKALTTTGVFSSSCPNNWITHEDESCYLFSTLLDSWDGSKRQCFQLGSHLLKIDS
SKELEFISRQVSSQPDHSFWIGLSRRQTEEPWLWEDSSTLLSNLRFQIRSTVTEKSSHNCAWIHVSDIYDQLCSVHSYSI
CEKKLSV
>cowOLR1
MTVDDPKGMKDQLDQKPNGKTAKGLGFVSSWRWYPAAVTLGVLCCLGLLVTVILLVSQVSDLIKKQQANITHQEDILEGQI
LAQRREKSAQESQKELKEMIEHLAKHLDEKSKKLMELHRQNLNLQEVLEKAAANYSGMRERGVQRPCPDWLWHEENCYQ
FSSGFSFNWEKSNQENCLSLDAHLLKINSTDELEFIQQTIAHSSFPFWMGLSMRKPNSYWLWEDGTPLTPHLFRIQGAVERM
YPSGTCAIYIQRGTVFAENCILTAFSICQKKANLLRAQ
>cowKLRK1
MSESHTYASERVKSCASRQWQKRTCTLTTSQRGENSPFVLARSIAIAMGIRFIGMLIICSAMIITENYCGPCPKNWICYR
NNCYQFFNESKSWHQSQASCMSQNSLLKIYSKDDQDFLKLKVSYHWMGLVQVSTNGSWQWEDGSILLPNLLTMVEMQNG
TCAVYSSFKAYTENCLTPNTYICMQRIV
>cowKLR2
MNNQTQNYPEQNLAKDSRQKQVRGLPSPQEEIVAVILGII CFVLTYTLVRVITFIPDHCGRFPKDWFTYSNNCYIIFEE
KTWNGSLTACASRNSTLLYLDNEEELFLKLSLSIMSWIPVFREGRGHPMMWQNGSTCKLCNAFHRYRVLVDVLPKGNCAVLS
SGDIKSDDCEFPNFYTCCKHLEN
>cowKLR1
MNNQGVIIYAEKGVKNSKRQRIKPKGSKGSSISAPQELTYAELNLQNASQNLQNEENYHFKGSPSPPEKLIAGILGIIC
LVLMSTVVTMIVITPTLQEQNNSRITRLQKECHCGHSDWFTYSHNCYCIIFEEKTWNGSLTACASRNSTLLYIDNEE
ELFLKLSLSIMSWIPVFREGRGHPMMWQNGSTCKLCNAFHRYRVLVDVLPKGNCAVLSGDIKSDDCEFPNFYTCCKH
>cowKLRA1 Un
MSDQEVTYSTLRFLQSPSESQNRRLRPDGTQRDPDKTEEKGSVPWHGIAVTLGILCLLLLMTITVLGVSQYILEKHQEEA
LWNLQKYDQVQNDNYLNKQLLTKKTSECDRLNETLQQIKGLSDLVFTEKKGCYHKKKSSGELKEVSWWCWGVNCCYFTA
ETNNWMGCNQIQSHNSCLLKIDDAKELNLLQSQTQNYWIGLAFSKMENRWKWDNGIIPSRLLHTIMDHRFGKDECAF
LTSTRIETIDCYKTYNCICEKRIDCFNKH