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H     (1) ------MKMMLVRRFRVLILMVFLVACALHIALDLLPRLERRGARP----SGEPGCSCAQPAAEVAAPGWAQVRGRPGEPPAASSAAGDAGWPNKHTLRI
M     (1) ------MKMILVRRFRVLILVVFLLACALHIAVDLLPKLDRRATRS----SGEPGCSCAQPAAEAAGPGWAQARSRPGE-----SAGGDAGWPNKHTLRI
R     (1) ------MKMILVRRFRVLILVVFLLACALHIAVDLLPKLDRRATRS----PGEPGCSCAQPAAEAAGPGWAQARSRPGE-----SAGGDAGWPNKHTLRI
Fc1   (1) --------MILFRKFRVLILMVFLVACTMHIMIDLLPKLEKRGAGADGADGG---CQCAHHPGGES-QGWGKQRVRTAA---------EAGWPNKHTLRI
Fc2   (1) ------MKMIFLRKFRFLILMVFLIACSMHIMIDLLPKLERQGS------SG---CSCSHTPDENP-QSWGKQSR-----------------PNKHTLRI
Fc3   (1) -------MRRLNLAKSTRSIYLSLACLSLALHLLLAFFCLSILQ-----------TACILPPSSSTQDTDPVQHGSHPS--------------PLDAGRP
Fc4   (1) ------MIWRLRSRSRTICLSLAVVTASLYLLLLLASHSVDLQP-----------CDALLPSKTHVLRDLAHQNLSPAG--------------VQDSAAT
Dc1   (1) --------MILFRKFRVLILTVFLIACTMHIMIDLLPKLEKRAAGSSSSAGGSGCSCAHTPGEEP-RSWGKQRAR-AA---------DPGWPNKHSLRL
Dc2   (1) --------MILFRKFRVLILMVFLIACSMHIMIDLLPKLERRSG------SA---CSCSHTPSEEP-QNWAKHRAKPGS---------ESGWPNKHTLRI
Dc3   (1) MFPSDFSTMRVCTRRRSLTLRVWLLIVFLSLHLLVVSLVLSVYH-----------TSCELPSTYGIQTTISFSTQNAST--------------SEITMAT
          101                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
H    (91) LQDFSSDPSSNLSSHSLEKLPPAAEPAERALRGRDPGALRPHDPAHRPLLRDPGPRRSESPPGPGGDASLLARLFEHPLYRVAVPPLTEEDVLFNVNSDT
M    (86) LQDFSSDPASNLTSHSLEKLPSAAEPVDHAPRGQEPRSPPPRDPAHRPLLRDPGPRPRVPPPGPSGDGSLLAKLFEHPLYQGAVPPLTEDDVLFNVNSDI
R    (86) LQDFSSDPASNLTSHSLEKLPPAAEPVDHAPRGQELGSPPPRDSAHRPLLRDPGPGPRVPPHGPRGDGSLLAKLFEHPLYQGAVPPLTEGDVLFNVNSDI
Fc1  (80) LQDFSNEPVSNLTSQSREKNAAAADRAEPRGRTGPSAGRRQ---EHKPLIGEASSARAVPS--------RLSALFEHPLYKVDLPPLTDDDTLFNVNMDI
Fc2  (68) LQDFSNEPSSNGSSHSLERVAVPGDKTQALSGTEHHGQRGE---KKRQFIQDAAVTKKIPVKG-----SKLSALFDHPLYKRALPPLSDEDTLFNVNTDI
Fc3  (69) RRKVRSSHPAGEDSFSGSEKKLTGGGRAAQE---------------------VK------------GRARLEALFRHPLYNLPRPPLQEDDWLLRVRTSE
Fc4  (70) VHGNSSN------RDASSEVRGHADQARKSV---------------------ES------------GLSKLEALFNHPLYNLPCPPIPEEDLLLKVRPQV
Dc1  (82) LQDFSNEPNSNLTSQSREK-VTERAGSEKQG----SGKRGL---MREADSRQRRTDVRVSS--------VLQSLFEHPLYRTVLPDLTEEDTLFNLNAEI
Dc2  (74) LQDFSNEPSSNLTSHSLEKMMVG-ERAEALKRFEQLTG------DERRLATRDSAFKNAAVKG-----SRLSALFEHPLYTRPLPPLTDEDTLFNVNTDI
Dc3  (76) TR-----------SVSKEMKMVDPTG-----------------------------------------DLAKLDALFSHPLYNLPTPPVPDGDWLLKVRTKV
          201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
H   (191) RLSPKAAE-----------NPDWPHAG--AEGAEFLSPGEAAVDSYPNWLKFHIGINRYELYSRHNPAIEALLHDLSSQRITSVAMKSGGTQLKLIMTFQ
M   (186) RFNPKAAE-----------NPDWPHEG--AEGAEFLPTGEAAVNLYPNWLKFHIGINRYELYSRHNPAIDALLRDLGSQKITSVAMKSGGTQLKLIMTFQ
R   (186) RFNPRAAE-----------NPDWPLEG--AEGAEFLPTGEAAVDLYPNWLKFHIGINRYELYSRHNPAIDALLHDLGSQKITSVAMKSGGTQLKLIMTFQ
Fc1(169) RFYFRAAG-----------NKGWHHEEGNEEEDFPPTGEVAAESYPNWLRFHIGINRYELYSRRSPATDALLKDLVTQRITSVAMKSGGTQLKLIMTFQ
Fc2(160) RFDPKAAE-----------DQGWNTE---GTVDEFSPTGELTAESYPNWLRFHIGINRYELYSRHNPVIDALLKDLITQKITSVAMKSGGTQLKLIMTFQ
Fc3(136) QTEDGEHEGYEEEEAISADSEWWSTSE---EEGYDKMDWTNDVDTHPPWLRFHLGITRWELYDRRDPNLDQLTHYLATQRILNAVQKTGGTQLKLLMSFP
Fc4(131) EASET-------------NSQIWVNDS---PEEDKGVPWSSNSGSHPPWLQFHLGISRWQLYPHQDPNMELLVQQLAKHRIVSAVQKSGGTQLKLVMSFP
Dc1(166) RLYPKAAG-----------QQEWHNE-GNVEEEEFSPPGEANSESYPNWLRFHIGINRYELYSRHNPVITALLRDLLSQKISSVGMKSGGTQLKLIMSFQ
Dc2(162) RFDPKAAE-----------NPEWNGE---SKDGDYAPTGEMSSDSYPNWLRFHIGINRYELYSRHNPVIDAMLKDLVSQRITSVAMKSGGTQLKLIMTFQ
Dc3(125) KEQE-------------RSTQQWVSAN---DDGFDPILWNTSTDTHPPWLRFHLGISRWQMYQHKDPNLSALNQQLASHRIVSAVQKSGGTQLKLVMSFP
         301                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
H   (278) NYGQALFKPMKQTREQETPPDFFYFSDYERHNAEIAAFHLDRILDFRRVPPVAGRMVNMTKEIRDVTRDKKLWRTFFISPANNICFYGECSYYCSTEHAL
M   (273) NYGQALFKPMKQTREQETPPDFFYFSDYERHNAEIAAFHLDRILDFRRVPPVAGRMINMTKEIRDVTRDKKLWRTFFVSPANNICFYGECSYYCSTEHAL
R   (273) NYGQALFKPMKQTREQETPPDFFYFSDYERHNAEIAAFHLDRILDFRRVPPVAGRMINMTKEIRDVTRDKKLWRTFFVSPANNICFYGECSYYCSTEHAL
Fc1(258) NYGQALFKPMKQTREQETPPDFFYFSDFERHNAEIAAFHLDKILDFRRVPPVAGRLVNMTREIRDVTRDKKLWRTFFISPANNVCFYGECSYYCSTEHAL
Fc2(246) NYGQALFKPMKQTREQETPPDFFYFSDFERHNAEIAAFHLDRVLDFRRVPPVAGRLVNMTKEIRDVTRDKKLWRTFFISPANNVCFYGECSYYCSTEHAL
Fc3(233) NHGQALLKPMKQSRQAETDVNLFYFSDFERHNAEIAAFHLDRLLGFHRVPPVVGRLINVTTEIREITTDHKLMKTFFTSPAGNVCFYGQCEYYCSTEHPV
Fc4(215) NYGQALFKPMKQERDEETNYNLYYFSDFERHNAEIAAFHLDRILGYRRIPPAVGRLVDVVKEIKNVTTDRKLARTFFTSPVGSVCFYGLCSYYCSTEHAV
Dc1(254) NYGQALFKPMKQTREQETPPDFFYFSDFERHNAEIAAFHLDRILDFRRVPPVAGRLVNMTREIRDVTRDKKLWRTFFVSPANNICFYGECSYYCSTEHAL
Dc2(248) NYGQALFKPMKQTREQETPPDFFYFSDFERHNAEIAAYHLDRILDFRRVPPVAGRLVNMTKEIRDVTRDKKLWRTFFISPANNICFYGECSYYCSTEHAL
Dc3(209) NYGQALFKPMKQERHEETNVNLYYFSDFERHNAEIAAFHLDRILGFRRIPPVIGRLINVIKEIKEVTTDHKLVTTFFNSPVGNTCFHGHCSYYCSTEHAV
         401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
H   (378) CGKPDQIEGSLAAFLPDLSLAKRKTWRNPWRRSYHKRKKAEWEVDPDYCEEVKQTPPYDSSHRILDVMDMTIFDFLMGNMDRHHYETFEKFGNETFIIHL
M   (373) CGRPDQIEGSLAAFLPDLSLAKRKTWRNPWRRSYHKRKKAEWEVDPDYCEEVKQTPPYDSGHRILDIMDMTVFDFLMGNMDRHHYETFEKFGNETFIIHL
R   (373) CGKPDQIEGSLAAFLPDLSLAKRKTWRNPWRRSYHKRKKAEWEVDPDYCEEVKQTPPYDSGHRILDIMDMTVFDFLMGNMDRHHYETFEKFGNETFIIHL
Fc1(358) CGKPDQIEGSLAAFLPDLNLAKRKTWRNPWRRSYHKRKKAEWEVDPDYCDEVKQTPPYDRGTRLLDVMDMTVFDFLMGNMDRHHYETFEKFGNDTFIIHL
Fc2(346) CGKPDQIEGSLAAFLPDLALAKRKTWRNPWRRSYHKRKKAEWEVDPDYCEEVKQTPPYDSGTRLLDIMDMTIFDFLMGNMDRHHYETFEKFGNETFIIHL
Fc3(333) CGRPHLLEVSLAAMLPDLTLAPRRSWRSPWKRSYSRTKLAQWEKVPAYCDTVKQTPPYNRGTRLVDLIDMAVLDFLMSNMDRHHYETFEKFGNDTFLVHL
Fc4(315) CGHPTGLEASLAVMLPDLSLAKRRSWRSPWRRSYSRSKLAKWETQSNYCAKVKKTPPYNEGTRLVDFMDMVILDFLMSNMDRHHYETFEKFGNYTFLLHL
Dc1(354) CGKPDQIEGSLAAFLPDLALAKRKTWRNPWRRSYHKRKKAEWEVDPDYCDEVKQTPPYDRGTRLLDIMDMTIFDFLMGNMDRHHYETFEKFGNDTFIIHL
Dc2(348) CGKPDQIEGSLAAFLPDLSLAKRRTWRNPWRRSYHKRKKAEWEVDPDYCEEVKQTPPYDSGTRLLDIMDMTIFDFLMGNMDRHHYETFEKFGNETFIIHL
Dc3(309) CGRPIKLEGSLAVMLPDLSLAPRHSWRSPWRRSYSRTNQAEWETNSNYCDTVKQTPPYDRGTRLVDVIDMSILDFLMSNMDRHHYETFEKFGNDTFLIHL
         501                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
H   (478) DNGRGFGKYSHDELSILVPLQQCCRIRKSTYLRLQLLAKEEYKLSLLMAESLRGD---QVAPVLYQPHLEALDRRLRVVLKAVRDCVERNG--LHSVVDD
M   (473) DNGRGFGKYSHDELSILAPLHQCCRIRRSTYLRLQLLAKEEHKLSLLMAESLQHD---KVAPVLYQLHLEALDRRLRIVLQAVRDCVEKDG--LSSVVED
R   (473) DNGRGFGKYSHDELSILAPLHQCCRIRRSTYLRLQLLAKEEYKLSLLMAESLQHD---KVAPVLYQLHLEALDRRLRIVLQAVRDCVEKDG--VSSVVED
Fc1(458) DNGRGFGKHSHDELSILVPLSQCCRVRKSTYQRLQLLAKEDYRLSALMEESLLQD---RLSPVLIQPHLQAMDRRVQVVLQVLEGCIEKEG--YANVVEE
Fc2(446) DNGRGFGKHSHDEMSILVPLTQCCRVRKSTHLRLQLLAKEEYKLSTLMAESLVRD---HLSPILIQPHLEAMDRRLRQILNVLSECIEKEG--YSYVVED
Fc3(433) DHGRAFGRHSQDEPSILAPLQQCCRIRRSTLLRLRLLSLPDSRLSDMMRASLARDPLAAVAPILSEPHLSALDRRLATVLQVVRTCQHQHQ----DVIYD
Fc4(415) DNGRAFGRHSKDESSILAPLEQCCRIRRSTWLRLRLLSLPQYRLSDIMRASLSQDPLHRVAPLLSDPHLVALDRRLKTVLETVDHCQRRLSEGGGEVIFD
Dc1(454) DNGRGFGKHSHDEMSILVPLTQCCRVKRSTYLRLQLLAKEEYKLSSLMEESLLQD---RLVPVLIKPHLEALDRRLRLVLKVLSDCVEKDG--FSAVVEN
Dc2(448) DNGRGFGKHSHDELSILVPLSQCCRVKKSTHLRLQLVAKEEFKLSSLMEESLQTD---TLSPILIRPHLEAMDRRLRLVLQVLADCIEKEG--YSNVVED
Dc3(409) DNGRAFGRHSKDEPSILAPLVQCCRVRRSTLLRLRLLSLPPYRLSDVMRASLSRDPLAEVAPLLTEPHLSALDRRLETVMQAIQDCLQQHQHHS-DVIYD
         601          618
H   (573) DLDTEHRAASAR------
M   (568) DLATEHRASTER------
R   (568) DLATEHRASTER------
Fc1(553) DLVRDTATHRSPGHR---
Fc2(541) DLQEQQGTDHVPTSPRWR
Fc3(529) DLGKYEEDQNQQPDGKNK
Fc4(515) DVKDVATYVG--------
Dc1(549) DLDGQPSVHGGR------
Dc2(543) DMG-TEGMDTGTVPQR--
Dc3(508) DIMDYPQA----------
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