

Numbering is for the alignment, not for FXI sequence

10 20 30 40 50 60 70 80 90 100

FXI\_Human\_P MIFLYQVVHFIIL----FTSVSGECVTQLLKDTCFEGGDITTVFTPSAKYQVVCYTHPRCLLFTFTAESPSQEDPTRWFTCVLKD SVTETLPRVNRRTAAIS  
FXI\_Gorilla\_P MTFLYQVVHFIIL----FTSVSGECVTQLLKDTCFEGGDITTVFTPSAKYQVVCYTHPRCLLFTFTAESPSQEDPTRWFTCVLKD SVTETLPRVNRRTAAIS  
FXI\_Bovine\_P MTLILYQMVHFIIL----FASVAGECVTLFQDACFKGGDITVAFAFNAKHCQIICTHHPRCLLFTFMTESSEEDPTKWYTCILKDSVTETLPMVNMTGAIS  
FXI\_Dog\_P MIVLYQMVHFIIL----FASVSGGCITELLADTCFQGGDITTVFTPSAKHCQIVCTHHPRCLLFTFMAESPSQDPTKWFTCILKDSVTETLPRVNRMTGAIS  
FXI\_Pig\_P MILLYQMVHFIIL----FASVSGECMTKLFQDYFHGGDIADVFTPSAKHCQVVCYTHPRCLLFTFMAES--EDPTKWFTCTLKDSVTETLPMVNMTGAIS  
FXI\_Mouse\_P MTSLSHQVLYFIF----FASVSSQECVTKVFKDISFQGGDLSTVFTPSATYCRVCTHHPRCLLFTFMAESSDDPTKWFACILKDSVTETILPMVNMTGAIS  
FXI\_Rat\_P MTSLSQVLYFIF----FASVSSQECITKVFVKDISFQGGDLSTVFTPSATYQVCTHHPRCLLFTFMAESSDDPTKWFACILKDSL TETLPMVHMTGAVS  
FXI\_Opossum\_P MIQLYQMILFTV---SFVLVSGECMIELYKDIYFQGGDVATVFTPNAYCQIVCTYHPRCLLFSFLLARSTKDTSKWFACFLKDSVTETLPTVNMTGAIS  
FXI\_Plplatypus\_P MAGWWRMIHFAC---FLAPVFGECMTRMYNDTYFQGGYLRVTFSPNVQHCQLVCTLHPRCLLFSFLPGRRLTPDPAKRFAFLKDSSESEMLPKVTVAGAVS  
FXI\_Chicken\_P MFRMIWIYQTFYFIFLFAVSYSECVTQIYENTYFQGGDLTTVFTPSANYCQIVCTYHPTCLFFTYLPVVTWKDPAQRFSYCYLKDSDTEMLPKVKMEGAFS

110 120 130 140 150 160 170 180 190 200

FXI\_Human\_P GYSFKQCSHQISACNKDIYVDLDMKGINYNSSVAKSAQEQERCTDDVHCHFFFTYATRQFSPLEHRNICLLKHTQTGTPTTRITKLDKVVSGFSLKSCALS  
FXI\_Gorilla\_P GYSFKQCSHQISACNKDIYVDLDMKGINYNSSVAKSAQEQERCTDDVHCHFFFTYATRQFSPLEHRNICLLKHTQTGTPTTRITKLDKVVSGFSLKSCALS  
FXI\_Bovine\_P GYSSKQCLHHISACSKDMYVDLNMKGMYNSSLAQSAEQQRCTDDTHCHFFFTFATRHFPSIKDRNTCLLKNTQTGTPTSITKLHEVVS GFSLKSCGLS  
FXI\_Dog\_P GYSFKQCPHQIT--CNRNVYVDLVMKGMNYNGSIARNVQEQERCTNSVHCHFFFTYATRSQFSAEHRNVCLLKYTEMGTPTTRITKLSMVVSGFSLKSCALS  
FXI\_Pig\_P GYSFKQCSHQISACNTNYYVDLDMKGVNYSVSKSAQEQERCTNDMHCHFFFTYATRHFPSVHKRNVCLLKYTQTGIPTSIKLLTDVVS GFSLKSCALS  
FXI\_Mouse\_P GYSFKQCPQQLSTCSKDVVYVNLDMKGMNYNSSLVKNARECQERCTDDAHCHQFFTYATGYFSPVDHRKMCLLKYTRTGPTTITKLNGVVS GFSLKSCGLS  
FXI\_Rat\_P GYSFKQCPQQLSACSKNVYVNLDMKGMNYNSSLVKNARECQERCTNDAHCHQFFTYATGHFSPVDHRKMCLLKYTQMGPTPTSITKLDVVS GFSLKSCGLS  
FXI\_Opossum\_P GHSFKQCQHQLSACHTDIYRGLDMKGMNYKSSITTSVQECEDRCTNDAHCHFFFTYATQMFHSETHRNVCLLKYSTTGFPPTKIEMLENVIS GFSLKSCAVS  
FXI\_Plplatypus\_P GHSWKQCHHHITACLKDVFPGLDMRGTNHDAGPAQNWRRECQARCTNDAHCHFFFTFATSAPHSTAHNRNTCLLKHSATGAPTSITILEHVLVS GFSLKPCALS  
FXI\_Chicken\_P GHSCLKQCNIKISACSPDYYVGLDMQGVNYDVSVDASYQQCQKRCNTDKRCHFFFTYAPGTYHDASFREKCFLLKHTSLGTPTSIRVLDEVVSGFSLKPCQLS

210 220 230 240 250 260 270 280 290 300

FXI\_Human\_P NLACIRDIFPNTVVFADSNIDSVMAPDAFVCGRICTHHPGCLFFFTFFS QEWPKESQRNLC LLKTS ESGLPSTRIKKSKALS GFSLQSCRHSIPV FCHSSFY  
FXI\_Gorilla\_P NLACIRDIFPNTVVFADSNIDSVMAPDAFVCARICTHHPGCLFFFTFFS KEWPKESQRNLC LLKTS ESGLPSTRIKKSKALS GFSLQSCRHSIPV FCHSSFY  
FXI\_Bovine\_P NLACIRDIFPRTAFVDITIDTVMAPDPFVCRSICTHHPSCLFFFTFLSEEWPTASERNLCLLKTSSSGLPSARFRKNRAFSGFSLQHCQH SVPV FCHSSFY  
FXI\_Dog\_P NLACIRDIFPSTVVFADNNIDSVMAPDAFVCRRICTHHPSCLEFFFTFFS QEWPKESERNLCLLKTSSSGLPSTRIKKSKALS GFSLQSCRHSIPV FCHSSFY  
FXI\_Pig\_P NLACIRDIFPTTVVFADSNIDSVMAPDAFVCRSICTHHPNCLFFFTFFS QEWPTESEERNLCLLKTSSSGLPSTRIRKNKAFSGFSLQNCRH SIPV FCHSSFY  
FXI\_Mouse\_P NLACIRDIFPNTVVLADLNDISVAPDAFVCRRICTHHPCLFFFTFFS QAWPKESQRHLCLLKTSSSGLPSTRITKSHALSGFSLQHC RH SVPV FCHPSFY  
FXI\_Rat\_P NLACIRDIFPNTVVLADLNDISVAPDAFVCRRICTHHPCLFFFTFFS QAWPKESQRHLCLLKTSSSGLPSTRITKSNALSGFSLQHC RH SIPV FCHPNFY  
FXI\_Opossum\_P KMACIRDIFPNTVVFADINEDSFFTPDPWVCORICTHHPKCLFFFTFLSKEWSTESQRNLC LLKTS QS GIPSTRITRKNASSGFSLLS CRHSVPV FCHASIY  
FXI\_Plplatypus\_P KMACLRDIFSETAFADNDTARAVAPDAFVCRNLCTHHPSCLEFFFTFFS QEWPDPQRNLC LLKSSASGIPTSRLSRERAYSGFSLRSCRHGVP I FCHPSLY  
FXI\_Chicken\_P ELDCQMDIFEHEEFSGTNVTISFFTPDTFACQITICTYFPNCLFFFTFFTKEWQIESQRNLC LLKTSRSRSGIPEALTLRENAISGFGLLNCRRHF P-ACNSRTY

310 320 330 340 350 360 370 380 390 400

FXI\_Human\_P HDTDFLGEEELDIVAAKSHEACQKLCCTNAVRCQFFTYTPAQASCNE--GKGKCYLKLSSNGSPTKILHGRGGISGYTLRLCKMDN--ECTTKIKP--RIVG  
FXI\_Gorilla\_P HDTDFLGEEELDIVVAKSHEACQKLCCTDAVRCQFFTYTPAQASCNE--GKGKCYLKLSSNGSPTKILHGRGGISGYTLRLCKMDN--ECTTKIKP--RIVG  
FXI\_Bovine\_P RNTDFLGEEELDIVDADSHEACQKCTCTNSIRCQFFTYSPSQESCNG--GKGKCYLKLSSANGSPTKILHGTGSISGYTLRLCKMDN--VCTTKIKT--RIVG  
FXI\_Dog\_P HNTDFLGEEELDIVDVGHEACQKMCCTDAIRCQFFTYSPSPESCHG--GKGKCYLKLSSNGSPTKILHGRGGISGYTLRLCKMDN--VCTTKIKP--RIVG  
FXI\_Pig\_P HDTEFLGEEELDIVGENGHEACQKCTCTNTIRCQFFTYSPSQESCNG--GKGKCYLKLSSNGSPTKILHGRGSISGYTLRLCKMDN--ACTTKIKP--RIVG  
FXI\_Mouse\_P NDTDFLGEEELDIVDVGQETCQKCTCTNNARCQFFTYYP SHRLCNERNRRRCYLYLSSNGSPTRILHGRGGISGYSLRLCKMDN--VCTTKINP--RVVG  
FXI\_Rat\_P NDTDFLGEEELDIVDVGKESQKMCSDNVRCQFFTYYP SRGSCSE--RKGRCYLYLSSNGSPTRILHGRGGISGYTLRLCKMDN--VCTTKIRP--RVFG  
FXI\_Opossum\_P YNTDFLGEEELDIFEVKDHSACQESCTNTIRCQFFTYSPGETCNK--EKGKCYLYLSSNGSPTKILHGRGGISGYTLRLCKMDN--ACTNKIKG--KIVG  
FXI\_Plplatypus\_P SDTDFLGLEELDVAYANGPAACQKLCCTDVARCQFFTHSPLHQADNP--RRGKCSLYLSSNGSPTKIVYGRGGISGYTLRLCQMDN--VCMTKIRS--RVVG  
FXI\_Chicken\_P VHMNFLGDELNVYTYTKGHRACQVCTDMIRCQFFTYFP LQEAENE--ERKCECHLRMSSNGSPVEIQHGPRISGYSLRLCKKASTVCMQHSSRNIRIIG

410 420 430 440 450 460 470 480 490 500  
FXI\_Human\_P GTASVRGEWPWQVTLHTTSPTQRHLCGGSIIGNQWILTAAHCFYGVESPKILRVYSGILNQSEIKEDTSFFGVQEIIIHDQYKMAESGYDIALLKLETTV  
FXI\_Gorilla\_P GTASVRGEWPWQVTLHTTSPTQRHLCGGSIIGNQWILTAAHCFYGVESPKILRVYSGILNQSEIKEDTSFFGVQEIIIHDQYKMAESGYDIALLKLETTV  
FXI\_Bovine\_P GTQSVHGEWPWQITLHVTSPTQRHLCGGAIIGNQWILTAAHCFNEVKSPNVLRVYSGILNQSEIKEDTSFFGVQEIIIHDQYKMAESGYDIALLKLETAM  
FXI\_Dog\_P GTASVHGEWPWQITLHTTSPIRRHLCGGSIIGNQWILTAAHCFDQVESPKILRVYSGILNQTEIKKSTSTFFGVQKIIHDQYEEAESGYDIALLKLETAM  
FXI\_Pig\_P GTKSVLGEWPWQITVHITSPTQRHLCGGSIIGNQWILTAAHCFNEVESPRILRVYSGILNQSEIKEDTFFFVQEVIIHDQFEAAETGYDIALLKLETTI  
FXI\_Mouse\_P GAASVHGEWPWQVTLHIS---QGHLCGGSIIGNQWILTAAHCFSGIETPKKLRVYGGIVNQSEINEGTAFRRVQEMIHDQYTTAESGYDIALLKLESAM  
FXI\_Rat\_P GAASVHGEWPWQVTLHTT---QGHLCGGSIIGNRWILTAAHCFSGTETPKTLRVYGGIVNQSEINEDTFFFRVQEMIHDQYTTAESGFDIALLKLEPAM  
FXI\_Opossum\_P GTKSVLAEWPWQVSLHITSPIQKHLCGGSIIGKQWILTAAHCFEELEAATDLHVYAGIVNQSEIHENTPFFRVQKIIHDKYEMAEGYDIALLKVEAPI  
FXI\_Plplatypus\_P GVRARSARGEWPWQVSLQVVQPRQKHLCGGSIIGDSWILTAAHCLDRVVTLEELRVYAGFLNQSEIRQGTFFSRVQKAIHRQYQSAEFGFDIALLKLAAPI  
FXI\_Chicken\_P GTDSSPGEWPWQVSLHVKLSRQRHLCGGSIISNQWILTAAHCFMVSQNPNIWRVYAGVLKQSEINENTPFFRVVEIIHPQYNSAQTGYDIALLKLDKAM

510 520 530 540 550 560 570 580 590 600  
FXI\_Human\_P NYTDSQRPICLPSKGDNRVIYTDWVVTGWGYRKLDRDKIQNTLQAKIPLVTNEECQKRYRGHKITHKMICAGYREGGKDACKGDSGGPLSCKHNEVWHLV  
FXI\_Gorilla\_P NYTDSQRPICLPSKGDNRVIYTDWVVTGWGYRKLDRDKIQNTLQAKIPLVTNEECQKRYRGHKITHKMICAGYREGGKDACKGDSGGPLSCKHNEVWHLV  
FXI\_Bovine\_P NYTDSQWPICLPSKGDNRVMTTECWVTGWGYRKLDRDKIQNTLQAKVPLMTNEECQAGYREHRITSKMVCAGYREGGKDACKGDSGGPLSCKHNEVWHLV  
FXI\_Dog\_P NYTDAQRPICLPSKGDNRVIYTDWVVTGWGYRRLAGEIQNTLQAKANVPLVTTTEECQIRYKGHKITHKMICAGYREGGKDACKGDSGGPLSCKHNEVWHLV  
FXI\_Pig\_P NYTDSQRPICLPSKGDNRVMTTECWVTGWGYTKLRDKIQNTLQAKIPLVTNEECQAGYRSHKITHKMICAGYKEGGKDACKGDSGGPLSCKHNEVWHLV  
FXI\_Mouse\_P NYTDFQRPICLPSKGDNRVNVHTECWVTGWGYTALRGEVQSTLQAKVPLVSNNEECQTRYRRHKITHKMICAGYKEGGKDTCKGDSGGPLSCKYNGVWHLV  
FXI\_Rat\_P NYTDFQRPICLPSKGDNRVNVHTECWVTGWGYTKSRDEVEQSTLQAKVPLVSNNEECQTRYRRHKITHKMICAGYKEGGKDTCKGDSGGPLSCKYNGVWHLV  
FXI\_Opossum\_P NYTVLQQPICLPSKEDGKTIYADCWVTGWGYTKERKGVQDTLQKASIPITNEEDCQMRVREHKITSQMICAGYKEGGKDACKGDSGGPLSCKHNGIWQLV  
FXI\_Plplatypus\_P SFTDIQRPICLPPEGDPTLAFSNCWVTGWGYGREDGEIQNTLQKVSVPLVANEECQAWYNPNRITDHMVCAESEEGDRDTCKGDSGGPLACEDHGVWYLV  
FXI\_Chicken\_P NFTDLQLPICLPSKEEASILYTDWVVGWGYRKERGRVEDILQKVTVPLMSKEECQARYRKRRIIDKEICAGYDEGGKDACKGDSGGPLSCRHEEVWYLV

610 620 630  
FXI\_Human\_P GITSWGEGCAQRERPGVYTNVVEYVDWILEKTQAV  
FXI\_Gorilla\_P GITSWGEGCAQRERPGVYTNVVEYVDWILEKTQAV  
FXI\_Bovine\_P GITSWGEGCGQRERPGVYSNVVEYVDWILEKTQGP  
FXI\_Dog\_P GITSWGEGCGQRERPGVYTNVVEYLDWILKKTQAV  
FXI\_Pig\_P GITSWGEGCAQRERPGVYTRVVEYVDWILEKTQEA  
FXI\_Mouse\_P GITSWGEGCGQKERPGVYTNVAKYVDWILEKTQTV  
FXI\_Rat\_P GITSWGEGCGQKERPGVYTNVAKYVDWILEKTQSE  
FXI\_Opossum\_P GITSWGEGCARPGRAGVYTKVAEYVDWILKNTST-  
FXI\_Plplatypus\_P GITSWGEGGRRTRPGVYTRVSGFYNWILESTLA-  
FXI\_Chicken\_P GITSWGEGCARPQQPGVYTKVVEFSDWILEKTT--