

Dog	MAGASVKVAVRVRPFNSREMSRDSKCI IQMSGSTTTIVNPKQPKETPKSFSFDYSYWSHT	60
Human	MAGASVKVAVRVRPFNSREMSRDSKCI IQMSGSTTTIVNPKQPKETPKSFSFDYSYWSHT	60
Dog	SPEDINYASQKQVYRDI GEEMLQHAFEGYNVCI FAYGQTGAGKSYTMMGKQEKDQQGIIP	120
Human	SPEDINYASQKQVYRDI GEEMLQHAFEGYNVCI FAYGQTGAGKSYTMMGKQEKDQQGIIP	120
Dog	QLCEDLFSRINDTTNDNMSYSVEVS YMEIYCERVRDLLNPKNKG NLRVREHPLLGPYVED	180
Human	QLCEDLFSRINDTTNDNMSYSVEVS YMEIYCERVRDLLNPKNKG NLRVREHPLLGPYVED	180
Dog	LSKLAVTSYNDIQDLMDSGNKARTVAATNMNETSSRS HAVFNII FTQKRHDAETNITTEK	240
Human	LSKLAVTSYNDIQDLMDSGNKARTVAATNMNETSSRS HAVFNII FTQKRHDAETNITTEK	240
Dog	VSKISLVDLAGSERADSTGAKGTRLKEGANINKSLTTLGKVISALAE MDSGPNKNNKKKKK	300
Human	VSKISLVDLAGSERADSTGAKGTRLKEGANINKSLTTLGKVISALAE MDSGPNKNNKKKKK	300
Dog	TDFIPYRDSVLTWLLRENLGGNSRTAMVAALS PADINYDETLSTLRYADRAKQIRCNAVI	360
Human	TDFIPYRDSVLTWLLRENLGGNSRTAMVAALS PADINYDETLSTLRYADRAKQIRCNAVI	360
Dog	NEDPNNKLIRELKDEVTRLRDL LLYAQGLGDITDMTNALVGMSPSSSL SALSSRAASVSSL	420
Human	NEDPNNKLIRELKDEVTRLRDL LLYAQGLGDITDMTNALVGMSPSSSL SALSSRAASVSSL	420
Dog	HERILFAPGSEEAIERLKETEKIIAELNETWEEKLRRTEAIRMEREALLAEMGVAMREDG	480
Human	HERILFAPGSEEAIERLKETEKIIAELNETWEEKLRRTEAIRMEREALLAEMGVAMREDG	480
Dog	GTLGVFSPKKT PHLVNLNEDPLMSECLLYYIKDGI TRVGREDAERRQDIVLSGHFIKEEH	540
Human	GTLGVFSPKKT PHLVNLNEDPLMSECLLYYIKDGI TRVGREDCERRQDIVLSGHFIKEEH	540
Dog	CVFRSDSRGGSEAVVTLEPCEGADTYVNGKKVTEPSILRSGNRIIMGKSHVFRFNHPEQA	600
Human	CVFRSDSRGGSEAVVTLEPCEGADTYVNGKKVTEPSILRSGNRIIMGKSHVFRFNHPEQA	600
Dog	RQERERTPCAETP XEPVDWAFQAQRELLEKQGIDMKQEMEQR LQELEDQYRREREATYLL	660
Human	RQERERTPCAETP XEPVDWAFQAQRELLEKQGIDMKQEMEQR LQELEDQYRREREATYLL	660
Dog	EQQRLDYESKLEALQKQMSRYYPEVN EEEEEPEDEVQWTERECE LALWAFRKKWKYQFT	720
Human	EQQRLDYESKLEALQKQMSRYYPEVN EEEEEPEDEVQWTERECE LALWAFRKKWKYQFT	720
Dog	SLRDLLWGNAIFLKEANAISVELKKKVQFQVLLTDTLYSPLPPDLLPPEAAK DRETRPF	780
Human	SLRDLLWGNAIFLKEANAISVELKKKVQFQVLLTDTLYSPLPPDLLPPEAAK DRETRPF	780
Dog	PRTIVAVEVQDQKNGATHYWTLEKLRQRLDLMREMYDRAAEV PSSVIEDCDNVVTGGDPF	840
Human	PRTIVAVEVQDQKNGATHYWTLEKLRQRLDLMREMYDRAAEV PSSVIEDCDNVVTGGDPF	840
Dog	YDRFPWFRLVGRAFYVLSNLLYPVPLVHRVA VVSEKGEVKGFLRVAVQA TSADEEAPDYG	900
Human	YDRFPWFRLVGRAFYVLSNLLYPVPLVHRVA VVSEKGEVKGFLRVAVQA TSADEEAPDYG	900
Dog	SGVRQSGTAR ISFDDQHFEKFQSESCPVVGMRSRSGTSQEELRIVEGQGQGADTGPSADEV	960
Human	SGVRQSGTAK ISFDDQHFEKFQSESCPVVGMRSRSGTSQEELRIVEGQGQGADVGPSADEV	960
Dog	NNNTCSAVPPEGLLLDS PEKAATDGPLDAALDHLRLGSTFTFRVTVLQASSISAEYADIF	1020
Human	NNNTCSAVPPEGLLLDS PEKAALDGPLDAALDHLRLGNTFTFRVTVLQASSISAEYADIF	1020
Dog	CQFNFIHRHDEAFSTEPLKNTGRGPP LGGFYHVQNI AVEVTKSFIEYIKSQPIVFEVFGHY	1080
Human	CQFNFIHRHDEAFSTEPLKNTGRGPP LGGFYHVQNI AVEVTKSFIEYIKSQPIVFEVFGHY	1080
Dog	QQHPFPPLCKDVLSPLRPSRRHFPRVMPLSKPVPATKLSTL ARPCEGPGCHCKYDLLVYFE	1140
Human	QQHPFPPLCKDVLSPLRPSRRHFPRVMPLSKPVPATKLSTL ARPCEGPGCHCKYDLLVYFE	1140

Dog ICELEANGDYIPAVVDHRGGMPCMGTFLLHQGIQRRITVTL LHETGSHIRWKEVRELVVG 1200  
Human ICELEANGDYIPAVVDHRGGMPCMGTFLLHQGIQRRITVTL LHETGSHIRWKEVRELVVG 1200

Dog RIRNTPETDESLIDPNILSLNILSSDYIHPAQDDRTFYQFEAAWDSSMHNLLLLNRVTPY 1260  
Human RIRNTPETDESLIDPNILSLNILSSGYIHPAQDDRTFYQFEAAWDSSMHNLLLLNRVTPY 1260

Dog REKIYMTLSAYIEMENCTQPAVITKDFCMVFYSRDAKLPASRSIRNLF GSGSLRASESNR 1320  
Human REKIYMTLSAYIEMENCTQPAVVTKDFCMVFYSRDAKLPASRSIRNLF GSGSLRASESNR 1320

Dog VTGVYELSLCHVADAGSPGMQRRRRRVLDTSVAYVRGEENLAGWRPRSDSLILDHQWELE 1380  
Human VTGVYELSLCHVADAGSPGMQRRRRRVLDTSVAYVRGEENLAGWRPRSDSLILDHQWELE 1380

Dog KLSLLQEVKTRHYLLREKLETQRP GPEAPSPASSED LGSHGSSSPSSPLSAEGRPSP 1440  
Human KLSLLQEVKTRHYLLREKLETAQRVPPEALSPA FSEDS ESHGSSAS SPSPLSAEGRPSP 1440

Dog LETPNERQRELAVKCLRLLTHTFNREYTHSHVCI SASESKLSEMSVTL LRDPMSPLGAA 1500  
Human LEAPNERQRELAVKCLRLLTHTFNREYTHSHVCV SASESKLSEMSVTL LRDPMSPLGVA 1500

Dog TLTPSSTCPSLVEGRYGA AE LRTPQPCSRPASPEPE PVPEADSKKLPSPARAAEADKEPQ 1560  
Human TLTPSSTCPSLVEGRYGATDLRTPQPCSRPASPEPE LLPEADSKKLPSPARATETDKEPQ 1560

Dog RLLVPDIQEIRVSPIVSKKGYLHFLEPHTAGWAKRFV VRRPYAYLYNSDKDSVERFVLN 1620  
Human RLLVPDIQEIRVSPIVSKKGYLHFLEPHTSGWARRFV VRRPYAYMYNSDKD TVERFVLN 1620

Dog LSTAQVEYSEDQQAMLKTPNTFAVCTEHRGILLQANSDKMDHDWLYAFN PLLAGTIRSKL 1680  
Human LATAQVEYSEDQQAMLKTPNTFAVCTEHRGILLQA ASDKMDHDWLYAFN PLLAGTIRSKL 1680

Dog SRRRSAQMRV 1690  
Human SRRRSAQMRV 1690