

Alignment of cyt b and b6 + subunit IV

	50	60	70	80	90	100
Sacch. numbering:						
Bos taurus	ILTGLFLAMHYTSDTTTAFSSVTHICRDVNYGWIIRYMHANGASMFFICLYMHVGRGLYY					
chicken	ILTGLLLAMHYTADTSLAFSSVAHTCRNVQYGLWLRNLHANGASFFFICIFLHIGRGLYY					
Sacch.cere	IVTGIFMAMHYSSNIELAFSSVEHIMRDVHNGYILRYLHANGASFFFMVFMHMAKGLYY					
Rb.capsul	IVTGIVLAMHYTPHVDLAFASVEHIMRDVNGGWAMRYIHANGASLFFLAVYIHIIFRGLYY					
Chlamyrb6	VATGFAMTFYRPTVAEAFASVQYIMTDVNFGLWLRSIHRWSASMMVLMVVLHVFRVYLT					
	110	120	130	140	150	160
Bos taurus	GSYT-FLETWNIGVILLTLVMTAFMGYVLPWQMSFWGATVITNLLSAIPYIGTNLVE					
chicken	GSYL--YKETWNTGVILLTLMTAFVGYVLPWQMSFWGATVITNLFSAIPYIGHTLVE					
Sacch.cere	GSYRSPRVTLWNVGVIIIFILTIAATAFLGYCCVYQMSHWGATVITNLFSAIPFVGNDIVS					
Rb.capsul	GSYKAPREITWIVGMVIYLLMGTAFMGYVLPWQMSFWGATVITGLFGAIPGIGPSIQA					
Chlamyrb6	GGFKRPRELTWVTGVIMAVCTVSFVGTGYSLPWDQVGYWAVKIIVTGPDAIPGVGGFIVE					
	170	180	190	200	210	
Bos taurus	WIWGGFSVDKATLTRFFAFH-FILPFIIMAIAMVHLLFLHETGSNNPTGISS----					3
chicken	WAWGGFSVDNPTLTRFFALH-FLLPFAIAGITIIHLTFLHESGSNNPLGISS----					
Sacch.cere	WLWGGFSVSNPTIQRFFALH-YLVPFIIAAMVIMHLMALHIHGSNNPLGITG----					
Rb.capsul	WLLGGPAVDNATLNRFFSLH-YLLPFVIAALVAIHIWAFHTTGNNNPTGVEVRR-----					
Chlamyrb6/IV	LLRGGVGVGQATLTRFYSLHTFVLPDLLTAVFMLMHFLMIRKQGISGPLMSVTKKPDLSDP					
	220	230	240	250	260	
Bos taurus	-----DVDKI PFHPYYTIKDI LGALLLILALMLLVLFAPDL LGDPDNYTPANPLNTP					
chicken	-----DSDKI PFHPYYSFKDI LGLTLMTPFLTALFSPNL LGDPENFTPANPLVTP					
Sacch.cere	-----NLDRIPMHSYFIFKDLVTVFLFMLILALFVYSPNTLGQPDNYIPGNPLVTP					
Rb.capsul	--TSKADAEKDTL PFWPYFVIKDLFALALVLLGFFAVVAYMPNLYLGHDPDNYVQANPLSTP					
ChlamyrIV	<u>VLKAKLAKGMGHNTYGEPAWPNDLLYMFPVVILGTFACVIGLSVLDPAAMGEPANPFATP</u>					
	270	280	290	300		
Bos taurus	PHIKPEWYFLFAYAILRSIPN-----KLGVLALAFSILILALIPLL					
chicken	PHIKPEWYFLFAYAILRSIPN-----KLGVLALAASVILFLIPFL					
Sacch.cere	ASIDPEWYLLPFYAILRSIPD-----KLLGVIITMFAAILVLLVLPFT					
Rb.capsul	AHIVPEWYFLPFYAILRAFAADVWVVILVDGLTFGIIVDAKFFGVIAMFGAIVMALAPWL					
ChlamyrIV	<u>LEILPEWYFYPVFOILLRVVPN-----KLLGVLMAAVPAGLITVPFI</u>					
	310	320	330	340	350	360
Bos taurus	HTSKQRSMMF-RPLSQCLFWALVADLLTLTWIGGQPVEHPYITIGQLASVLYFLLILVLM					
chicken	HKSKQRTMTF-RPLSQTLFWLLVANLLILTWIGSQPVEHPFIIIGQMASLSYFTILLILFP					
Sacch.cere	DRSVVRGNTF-KVLSKFFFIFVFNFVLLGQIGACHVEVPYVLMGQIATFIYFAYFLIIVP					
Rb.capsul	DTSKVRSGAY-RPKFRMWFVFLVDLVVLTWVGAMPTEYPYDWISLIASTYWFAYFLVILP					
ChlamyrIV	<u>ESINKFONPYRRPIATILF--LLGLTVAV-WLGIGST-FPIDISLTLGLF-----</u>					