

C

dsh	MDADRGGGQETKVIYHIDDETPPYLVKIPISAOVTLRDFKLVLN-K	46
dv11	MAETKIIYHMDEEETPYLVKLPVAPERVTLADFRKLVLSNR	40
	DIX	
	16-43&8-16 8-19 8-80 16-1 G>V V>A N>I R>Q	
dsh	QNNNYKFFKSMADDFGVVKEELADDSTILPCFNQEVVSWLVSADGTNQ-	95
dv11	PVHAYKFFFKSMADQDFGVVKEEIFDDNAKLPFCNGRVSWLVLAEGAHS	90
	DIX	
dsh	-----SDNCSELPTS-----ECELGMGLTNRKLLQQQQQQHQ-QQQQ	132
dv11	AGSQGTDSHTDLP-----PLERTGGIGDSRPPSFQSSRDG-----M	127
dsh	QQHQHQHQHQHQVQVQVQVLAQQQQQVQLHHQKMMGNPLLQPPPLTYQSA	182
dv11	DNETGTESMVSHRRERARRNR-DEAARTNGHPRGDR-RRDLGLPPDSAS	175
	CK1 CK2	
dsh	SVLSSDLSTSLFGTESLTLDR--DMTDYSSVQRLQVRKKPQRKKRAP	230
dv11	TVLSSELESSSFIDSDEEDNTSRLSSSTEQSNRSRLVRKHKCRRRKQRLR	225
	ST1 ST2 basic	
	CK3	
	* 8-1 V>D	
dsh	SMRTSSYSITDSTMSLNIITVLSINMEAVNFLGISIVGQSNRGNGGIY	280
dv11	QTDRASSFSSITDSTMSLNIITVTLNMRHHFLGISIVGQSNDRGDGGIY	275
	ST4 ST4 PDZ	
	CK4	
	*	
dsh	VGSIMKGAVALDGRIEPGDMILQVNDVNFENMTNDEAVRVLREVVQKPG	330
dv11	IGSIMKGAVAADGRIEPGDMLLQVNDVNFENMSNDDAVRVLREIVSQTG	325
	PDZ	
	8-12 8-79 8-68	
	P>L D>V G>D	
dsh	PIKLVVAKCWDPNPKGYFTIPRTEPVRPIIDPGAWVAHTOALT-----	372
dv11	PISLTVAKCWDPTPRSYFTIPRADPVRPIDEAAWLSHTAALTGALPRYGT	375
	PDZ Pro-rich	
dsh	-SHDSIIADIAP-----IKERLDQN-----NLEEIVKAMTKPDSGL	408
dv11	SPCSSAITRTSSSSLTSSVPGAPQLEEAPLTVKSDMSAIVRVMQLPDSGL	425
	DEP	
	A3 I 8-64 16-37	
	R>H K>M V>D A>V	
dsh	EIRDRLMWLKIIITIPNAFIGADAVNWVLENVEDVQDRREARRIVSAMLRSNY	458
dv11	EIRDRLMWLKITIANAVIGADVVDWLYTHVEGFKERREARKYASSMLKHGF	475
	DEP	
	8-43L-N A21C-R	
dsh	IKHTVTKLTFSEQCYVYVNEERNPNLLGRGHLHPHQLPHGHGGHALSHAD	508
dv11	LRHTVTKLTFSEQCYVYVFGDLCS-----NLASLNLN--SGSSGASDQD	516
	DEP	
dsh	TESITS--DIGPLNPPPIYMPYSATYNPESHGYQPIQYGIAERHISSGSSS	556
dv11	TLAPLPH-PSVPWPLGQGYPYQYPGPPCFP--PAYQDPG-FSCGSGSAG	562
dsh	SD-VLTSKDISASQS--DITSVIHQANQLTIAAHG--SNKSSGSSN----	597
dv11	SQQSEGSKSSGSTRS---SHRTPGREERRATGAGG-SGSESDHTVP----	604
dsh	RGGGGGG---GGGNTND-----	613
dv11	SGSGSTGWERPVSQLSRG-----SSPRSQ-----ASAVAPGLPPLH-	641
dsh	-----QD-----	615
dv11	-PLTKAYAVG-----G-PPGPPVRELAAVPPELTGSRQSFQKAMGNP	683
dsh	VSVFNVL 623	
dv11	CEFFVDIM 691	