



b)

		β1	CBR1	β2	
MBC-DHR-1	1	GDVRNDLYLTICSGEFARI	AKTSEKNVEVSVCVANE	QGYLMPGVLSIG--	
CED-5-DHR-1	1	EDSRNEMYITLMQAEELS	--GKSSDRNIPEARLHV	VESNGHVMENVFETISV	
DOCK180-DHR-1	1	GDVRNDIYVTLVQGFDF	KGSKTTAKNVEVTVSVY	DEDEGKRLEHVIFPPG--	
DOCK2-DHR-1	1	GDVRNDIYITLLQGFDF	KYNTQORNVEVIMCVCA	EDEGKTLPNATCVG--	
DOCK5-DHR-1	1	GDVRNDIYVTLIHGFDF	KGKKTTPKNVEVTVSV	FDEEGNLEKATHPG--	
DOCK3-DHR-1	1	GDTRNDLYLTLEKGFDF	ERGKSVQKNIEVTMYV	LYADGETLKDCISLG--	
DOCK4-DHR-1	1	GEMRNDLYITIERGEFE	KGKSVARNVEVTMFI	VDSSGQTLKDFISFG--	
consensus	1	...***...*	***...*	***...*	
		β3	CBR2	β4	β5
MBC-DHR-1	49	AGHQPIDEYKSVVYHDD	RPKWQETFKIHVPIED	FKQCHLRFVLRHSSN	
CED-5-DHR-1	49	TGSQLSTVYKSIIVVY	HDTKPMWTEPIKIAL	PSCASHDVYLRILFY	
DOCK180-DHR-1	49	AGDEAISEYKSVIYYQ	VKQPRWFETVVKVAI	PIEDVNRSHLRFTR	
DOCK2-DHR-1	49	AGDKPMNEYRSVVYQ	VKQPRWMEVTKVAV	PIEDMQRHHLRFM	
DOCK5-DHR-1	49	AGYEGVSEYKSVVYQ	VKQPCWYETVVKVFI	AIEEVTRCHIRFT	
DOCK3-DHR-1	49	SGEPNRSYVHSFVLY	HNSPRWGETIKLPI	IPIDRFRGSHLRF	
DOCK4-DHR-1	49	SGEPPASEYHSFVLY	HNSPRWSELLKLP	IPVDKFRGAHFR	
consensus	49	...***...*	***...*	***...*	
		β6	β7		
MBC-DHR-1	99	EQ-----KDRTEK-	PFGLAYVRLMQANG	TTITOGQHILAVYKID--	
CED-5-DHR-1	99	D-----KPKPEKGP	FATAHVQLIR-SS	ALLCDGEHDLAVYKIDNP	
DOCK180-DHR-1	99	DS-----KDKSEK-	IFALAFVKLMRYD	GGTTLRDGEHDLIVYKAE	
DOCK2-DHR-1	99	ES-----KDKGEK-	NFAMSYYVKLMK	EDGTTLHDGFHDLVVLKGD--	
DOCK5-DHR-1	99	ESQAGVSVFSARDK	SER-AFGVAFVKLM	NADGTTLODGRHDLVYKGD--	
DOCK3-DHR-1	98	-----KDKGEKLF	GFASFPLMRDD	GGTTLSDDIHELIVYKCD	
DOCK4-DHR-1	98	-----KEKGEKLF	GFSEVPLMQE	DGRTLPDGTHELIVHKKCEE-	
consensus	98	...***...*	***...*	***...*	
		β8			
MBC-DHR-1	137	HKKYDKTVANCYLEL	PATVAEDLQG----	AKPS--IGGLTLLPKD	
CED-5-DHR-1	138	GSHFDES-NVHYMNL	PDTRRTLKESIG--	SAKP-HSQGFLSDK	
DOCK180-DHR-1	137	AKKLED--AATYLSL	SPSTKAELEEKGHS	AATGKSMQSLG	
DOCK2-DHR-1	137	SKKMED--ASAYLTL	PSYRHHVENK	GATLSRSSSVGL	
DOCK5-DHR-1	146	NKKMED--AKYYLTL	PGTKAELEEKELQ	ASKNPSVFTPSK	
DOCK3-DHR-1	136	NSTFNN--HALYLG	LPCCKEDYNGC----	PNIP--SSLIFORS	
DOCK4-DHR-1	136	NTNLQD--TTRYLKL	PFSKGIPLG----	N--NNQAMKAT	
consensus	151	.....*	***...*	.....*	
MBC-DHR-1	180	VNLCSSTKLTQSVS	LLGLLNWSAHKET	LEQSNALSTVPGE---	
CED-5-DHR-1	184	THSCSSMLTQNEH	LLNVLNRVNCVNL	TSSSLVALAQPIG	
DOCK180-DHR-1	185	TLVCSSTKLTQNV	DLLGLLKWRSNT	SLLQQNLRQLMK	
DOCK2-DHR-1	185	TLVCSSTKLTQNV	GLLGLLKWMPQL	LOENLEKLVKIDG	
DOCK5-DHR-1	194	TLVCSSTKLTQNV	DLGLLNWSNSQNI	KHNKLLMEVDG---	
DOCK3-DHR-1	178	TQLSSTKLTQNV	DLGLLKWKA	FPDRIMDILGRL	
DOCK4-DHR-1	174	SFLCSSTKLTQNG	MDLLKWRTHPKIT	GCCLSKLKEIDGS---	
consensus	201	.....*	***...*	.....*	
MBC-DHR-1	227	DILDALFNIL			
CED-5-DHR-1	234	HILDALFEIW			
DOCK180-DHR-1	232	DTLDALFNIM			
DOCK2-DHR-1	232	DTLDALFNIM			
DOCK5-DHR-1	241	DTLDALFNIM			
DOCK3-DHR-1	225	DILDTLFVIL			
DOCK4-DHR-1	221	DTLDTLFGIL			
consensus	251	.....*			

Supplementary information, Figure S1.