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		-----H1-----	--S1--	-----S2-----	-----S3-----	--S4--	*		
UbcH10	27	ARGPVGKRLQ	QELMTLMMSGDKGISAF	PESD	-----NLFKWVGTIHGAAGTVYEDLRYKLSLEF	PSGY	PYNAPT	VKFLTPCYHPNVDT	109
hUbc9	1	MSGIALSRLA	QERKAWRKDHPFGFVAV	PTKNPDGTMNLMNWECAI	PGKKGTPWEGGLFKLRMLFKDDY	PSSPPKCK	FEPPLFHPNVYP	88	
UbcH7	1	--MAASRR	LMKELEEIRKCGMKNFRNI	QVDE	-----ANLLTWQGLIVDPNP	-PYDKGAFRIE	INFPAEY	PFKPKITFKTKIYHPNIDE	81
hUbc13	1	-MAGLP	RRIIKETQRLLAEPVPGIKAEP	DES	-----NARYFHVVIAGPQDSPFEGGT	FKLELFLPEEY	PMAAPKVR	FMTKIYHPNVDK	82
scUbc2	1	MSTPARR	RLMRDFKRMKEDAPPGVSAS	PLPD	-----NVMVWNAMIIGPADTPYEDGT	FRLLEFDEEY	PNKPPHV	KFLSEMFPNVYA	83
scUbc13	1	-MASLP	KRIIKETEKLVSDPVPGITAE	PHDD	-----NLRYFQVTIEGPEQSPYEDGI	FELELYLPDDY	PMEAPKVR	FLTKIYHPNIDR	82
scUbc4	1	--MSSSK	RIAKELSDLERDPPTSCSAG	PVGD	-----DLYHWQASIMGPADSPYAGGV	FFLSIHFP	TDYPFKPKI	SFTTKIYHPNINA	81
scUbc7	1	MSKTAQ	KRLLKELQQLIKDSPPGIVAG	PKSE	-----NNIFIWDCLIQPPDTPYADGV	FNAKLEFPKDY	PLSPPKLT	TFTPSILHPNIYP	84
atUbc	1	MSTPARK	RLMRDFKRLQDPPAGISGAP	QDN	-----NIMLWNAVIFGPDDTPWDGGT	FKLSLQFSE	DYPNKPPT	VRVSRMFHPNIYA	83
UbcH5b	1	---MALK	RIHKELNDLARDPPAQCSAG	PVGD	-----DMFHWQATIMGPNSPYQGGV	FFLTIHF	PTDYPFKPKV	AFTRIYHPNINS	80

		*- 3 <sub>10</sub> -	-----H2-----	-----H3-----	-----H4-----	
UbcH10	110	QGNICLDILK	-----EKWSALYDVRTILLSIQSL	LGEPNIDSPLNTHAAELWKNP	-TAFKKYLQETYSKQVTSQEP	179
hUbc9	89	SGTVCLSILEE	-----DKDWRPAITIKQILLGIQ	ELLNEPNIQDPAQAEAYTIYCQ	NRVEYEKRVRAQAKKFAPS	158
UbcH7	82	KGQVCLPVISA	-----ENWKPATKTDQVIQSLI	ALVNDPQPEHPLRADLAE EYSK	DRKKFCKNAEEFTKKYGEKRPVD	154
hUbc13	83	LGRICLDILK	-----DKWSPALQIRTVLLSIQ	ALLSAPNPDDPLANDVAEQWKT	NEAQAIETARAWTRLYAMNNI	152
scUbc2	84	NGEICLDILQ	-----NRWTPTYDVASILTSIQ	SLFNDPNPASPANVEAATL	FKDHKSQYVKRVKETVEKSWEDD	155
scUbc13	83	LGRICLDVLK	-----TNWSPALQIRTVLLSIQ	ALLASPNPNDPLANDVAEDWIK	NEQGAKAKAREWTKLYAKKKPE	153
scUbc4	82	NGNICLDILK	-----DQWSPALTLSKVL	SICSLTDANPDDPLVPEIA	HIYKTDPRKYEATAREWTKKYAV	148
scUbc7	85	NGEVCISILHSPGDDPNMYELAE	ERWSPVQSVEKILLSVMSML	SEPNIESGANIDACILWRDNR	PEFERQVKLSILKSLGF	165
atUbc	84	DGSICLDILQ	-----NQWSPIIDVAAILTSIQ	SLLCDPNPNSPANSEAARMY	SESKREYNRRVRDVVEQSWTAD	152
UbcH5b	81	NGSICLDILR	-----SQWSPALTISKVLLS	SICSLLCDPNPDDPLVPEI	ARIYKTDREKYNRIAREWTQKYAM	147

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