

<b>A</b>	Vinculin	866	PEGEVPPP-RPPPPEEKDEEFPEQKAGEVINQ	H0 (catenins)	H1	PMMMAARQLHDEARKWSS
	$\alpha$ E-catenin	664	IAGQSARAIMAQLPQEQAQAKIAEQVAS			FQEEKSKLDAEVSKWDD
	$\alpha$ N-catenin	663	IAGQSARAIMAQLPQEEKAKIAEQVEI			FHQEKSCLDAEVAKWDD
	$\alpha$ T-catenin	654	--GKTDRAKMTQLPEAAEKEKIAEQVAD			FKKVKSKLDAEIEIWDD
			..*.....*... ..**..			.. ..*...*...*
				H2	H3	
Vinculin	915	KGNDIIAAAKRMALLMAEMSRLVRGGSGTKR	--ALI	QCAKDI	AKASDEV	T
$\alpha$ E-catenin	708	SGNDIIIVLAKQMCMIMMEMTDF	TRGKG	PLKNTSD	VISA	AKKIAEAGSRMD
$\alpha$ N-catenin	707	SGNDIIIVLAKQMCMIMMEMTDF	TRGKG	PLKNTSD	VINA	AKKIAEAGSRMD
$\alpha$ T-catenin	696	TSNDIIIVLAKNMCMIMMEMTDF	TRGKG	PLKHTTD	VIA	AKMISESGSRMD
			..****.....*.....*			.....*
				H4		
Vinculin	963	RLAKEVAKQCTDKRIRTNLLQVCERIPTISTQLKILSTVKATML	--GR	TN		
$\alpha$ E-catenin	758	KLGRTIADHCPDSACKQDLLAYLQRIALYCHQLNIC	SKVKA	EVQNL	GGEL	
$\alpha$ N-catenin	757	KLARAVADQCPDSACKQDLLAYLQRIALYCHQLNIC	SKVKA	EVQNL	GGEL	
$\alpha$ T-catenin	746	VLARQIANQCPDPSCKQDLLAYLEQIKFYSHQLKICSQVKA	EIQNL	GGEL		
			.*...*.....*.....*			.....*
				H5		
Vinculin	1011	ISDEESEQATEMLVHNAQNLMSVKETVREAEAA	SIKIR	TDAGFT	----	
$\alpha$ E-catenin	808	VV--SGVDSAMSLIQAAKNLMNAVVT	TVKAS	YVASTKYQ	KSQGMAS	LNLP
$\alpha$ N-catenin	807	IV--SGLDSATSLIQAAKNLMNAVVL	TVKAS	YVASTKYQ	KVYGTA	AVNSP
$\alpha$ T-catenin	796	IM--SALDSVTSLIQAAKNLMNAVVT	TVKMS	YIASTKI	IRIQSP	AGPRHP
			.. ..*.....*.....*			.....*
				CTE		
Vinculin	1056	-LRWVRKTPWYQ	-----			
$\alpha$ E-catenin	856	AVSWKMKAPKPLVKREKQDETQTKIKRASQKKHVN	PVQAL	SEFKAM	DS	
$\alpha$ N-catenin	855	VVSWKMKAPKPLVKREKPEEFQTRVRRGSQKKH	ISPQAL	SEFKAM	DS	
$\alpha$ T-catenin	844	VVMWRMKAPAKPLIKREKPEETCAAVRRGSAKKKI	HPLOVM	SEFRGR	QI	
			...*.....*			

B

Vinculin	866	PEGEVPPPRPPPPEEKDEEFPEQKAGEVINQ	H1 (vinculin)	PMMMAARQLHDEARKWSSK
Metavinculin	866	PEGEVPPPRPPPPEEKDEEFPEQKAGEVINQ		PMMMAARQLHDEARKWSSK
Vinculin	916	-----		-----
Metavinculin	916	PGIPAAEVGIGVVAEADAADAAGFPVPPDMEDDYEPELLMPSNQPVN		QP
Vinculin	916	-----GNDIIAAAKRMALLMAEMSRLVRGGSGTKRAL	H1' (metavinculin)	H2
Metavinculin	966	ILAAQSLHREATKWSSKGN		DI IAAAKRMALLMAEMSRLVRGGSGTKRAL
Vinculin	948	IQCAKDIAKASDEVTRLAKEVAKQCTDKRIRTNLLQVCERIPTISTQLKI	H3	H4
Metavinculin	1016	IQCAKDIAKASDEVTRLAKEVAKQCTDKRIRTNLLQVCERIPTISTQLKI		
Vinculin	998	LSTVKATMLGRTNISDEESEQATEMLVHNAQNLMSVKETVREAEAA	H5	SIK
Metavinculin	1066	LSTVKATMLGRTNISDEESEQATEMLVHNAQNLMSVKETVREAEAA		SIK
Vinculin	1048	IRTDAGFTLRWVRKTPWYQ	CTE	
Metavinculin	1116	IRTDAGFTLRWVRKTPWYQ		