

β-catenin BD

HsTCF4	MPQLNGGGGD	-----	-----	DLGANDDELIS	FKDEGE--QE	EKSSENESAE	38
HsTCF3	MPQLGGGGGG	GGGGSGGGG	SSAGAAGGGD	DLGANDDELIP	FQDECG-EEQ	EPSSDSSSAQ	59
HsLEF1	MPQLSGGGGG	GGGDP----	-----	ELCATDEMIP	FKDEGDPORE	KIFABISHPE	45
HsTCF1	MPQLDSGGGG	AGGGD----	-----	DLGAPDELLA	FQDEGE-EDD	DKSRDSIGPE	44
HsTCF4	R--DLADVKS	SLVNESETNQ	NSSDSEAEER	RPPRSEFR	DKSRRESLEEA	AKRQDG-GLF	95
HsTCF3	R--DLDEVKS	SLVNESENQS	-SSDSEAEER	RQPVRDFTQ	-KPRDYFAEV	RRPQDS-AFF	114
HsLEF1	EEGLADIKS	SLVNESEIIP	-ASNGHEVAR	QAQTSQEPYH	DKAREHPDDG	-KHPDG-GLY	102
HsTCF1	R--DLAELKS	SLVNESEGAA	GGAGIPGVPG	AGAGARGEAE	ALGREHAAQR	LFPDKLPEPL	102
HsTCF4	K-GPPYPGYP	-FHMIPDLTS	-PYLPNGSLS	FT-ARTYLDQ	KWPLLDVQAG	SLQSRQALKD	151
HsTCF3	K-GPPYPGYP	-FHMIPDLSS	-PYLSNGPLS	PGGARTYLDQ	KWPLLDVDP--	---SSATVKD	166
HsLEF1	NKGPSYSSYS	GYHMPMNN	DPYLSNGSLS	P-----	-----	-----	133
HsTCF1	EDGLKAPECT	SGMYKETVYS	AFNLLMHYPP	PS-----	-----	-----	134
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HsTCF4	ARSPSPAHI	VSNVWVWVCHP	HHVHPITPLI	TVSNDFHTPG	NPPPHLPADV	DPKGTGIPRPP	211
HsTCF3	TRSPSPAHL	-NRVWVWVCHP	HMHHPITPLI	TVSNDFHSPG	SPPTHLSPEI	DPKGTGIPRPP	225
HsLEF1	-----PIPR	SNVWVWVWVCP	HAVHPITPLI	TVSDFHSPG	SHPSHIPSDV	NSKQGMHRHP	188
HsTCF1	----GAGQHP	QPPPHKAN	QPHGVPOLS	LV--EHN-S	PHPTPAPADI	SQKQ-VRPL	186
HsTCF4	HPPDISPYYP	LSPGTVGQIP	HPHGLVPCQ	GQPVYPIIT-	GGFRHPYPTA	LTVNAEVS--	268
HsTCF3	HPSELSPVYP	LSPGAVGQIP	HPHGLVPCQ	GQPVYSLPP-	GGFRHPYPTA	LAMNASHSSL	283
HsLEF1	PAPDIPTYYP	LSPGGVGQIT	PHLGLVPCQ	GQPVYPIIT--	GGFRQPYPS	LSVDTSMS--	240
HsTCF1	QTDLSGFRYS	LTSGSMGOLP	HTWVMP----	SPPLVPLSPS	GGFRQHPAP	TAAPGAPYP-	241
HsTCF4	---FFPHHMV	P-PHHTL-HT	TCIPHPAIVT	PIVKQESSQS	DVGLSHSSKH	QDSKKEEEK	323
HsTCF3	VSEFFSPHMV	APAHPL-PT	SCIPHPAIVS	PIVKQEPAPP	SLSPAVSVKS	PVTVKKEEEK	342
HsLEF1	---FFSHHML	P-GPPGP-HT	TCIPHPAIVT	POVKQHPHT	DSDLMHVKPQ	HEQRKEQEPK	295
HsTCF1	---FFTHPSL	MLGSGVPGHP	AATPHPAIVP	PSGKQELQPF	DRN---LKTQ	AESKAEREAK	295
HMG-box							
HsTCF4	KPHKKPLNA	FMLYMKEMRA	KVAECTLKE	SAAINQILGR	RWHLSREEQ	AKYYELARKE	383
HsTCF3	KPHKKPLNA	FMLYMKEMRA	KVAECTLKE	SAAINQILGR	RWHLSREEQ	AKYYELARKE	402
HsLEF1	RPHKKPLNA	FMLYMKEMRA	NVAECTLKE	SAAINQILGR	RWHLSREEQ	AKYYELARKE	355
HsTCF1	KPHKKPLNA	FMLYMKEMRA	KVAECTLKE	SAAINQILGR	RWHLSREEQ	AKYYELARKE	355
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HsTCF4	RQLHMQLYPG	WSARDNYGKK	KKRKRKQPG	ETNEHSECF	NPCLSLPPIT	DLSAPKKCRA	443
HsTCF3	RQLHSQLYPT	USARDNYGKK	KKRKRKQLS	QTQSQQ----	-----	-----	438
HsLEF1	RQLHMQLYPG	WSARDNYGKK	KKRKRK----	-----	-----	-----	382
HsTCF1	RQLHMQLYPG	WSARDNYGKK	KRRSREK----	-----	-----	-----	382
HsTCF4	RFGLDQQNNW	CGPCRRKRC	VRYIQGEGSC	LSPSSDGLS	LDSPPSPNL	LGSPPRDAKS	503
HsTCF3	---QVQEAEG	ALASKKPC	VQYLPPEKPC	DSPASSHGM	LDSPATPSAA	LASPAAPAT	495
HsLEF1	---LQESASG	TGP----RMT	AAYI-----	-----	-----	-----	399
HsTCF1	-----HQEST	TGG----KRN	AFGTPEKAA	APAPFLPMTV	L-----	-----	414
HsTCF4	QTEQTQPLSL	SLKPDPLAHL	SMMPPPALL	LAEATHKASA	LCPNGALDLP	PAALQPAAPS	563
HsTCF3	HSEQAQPLSL	TTKPETRAQL	ALHS--AAFL	SAKAAASSG	QMGSQPLLS	RPLPLGSMPT	553
HsLEF1	-----	-----	-----	-----	-----	-----	399
HsTCF1	-----	-----	-----	-----	-----	-----	414
HsTCF4	SSIAQPS--T	SWLHSHSSLA	GTQPQLSLV	TKSLE	596		
HsTCF3	ALLASPPSFP	ATLHAHQALP	VLQAQPLSLV	TKSAH	588		
HsLEF1	-----	-----	-----	-----	399		
HsTCF1	-----	-----	-----	-----	414		

Figure S3