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**Supporting information for article:**

**Purification, crystallization and preliminary X-ray diffraction studies  
of the  $\beta$ -catenin homolog HMP-2 from *Caenorhabditis. elegans***

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hmp2 -----MLLHSTNSYSIFTDHEVETRTSRIRSAMFPDWIPP---TSAAEATNSTTS 47
bcat MATQADLMELDMAMEPDRKAAVSHWQQSYLDSGIHSGATTTAPSLSGKGNPEEEDVDTSQVLYEWEQGFSSQSFTEQVADIDGQYAMTRAQVRRAAMFPETLDEGMQIPSTQFDDAAHPT 120
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hmp2 IVEMMQMFTQQLKQSVMDLLTYEGSNDMSGLSLPDLVKLMDHDESVMARAVHRYMLSREDPNFNAPOGDFHRSFVEALMAASKSSNVNRRNAIGALSHMSEQRGGPLLIFRSGGLAE 167
bcat NVQRLAEPQMLKHAVVNLINYQDDAELATRAIPELTKLNDQVNVNKAAMVHQLSKKE-ASRHAIMRSPQMVSAIVRTMNTNDVETARCTAGTLHNLSHHREGGLAIFKSGGIPA 239
* * * * *

hmp2 IIRMLYDSLESVVHYAVTTLRNLLMHVSDSRAQARALNAVEALTFHLKINPKLLAQVADGLYFLLIDDAPSKITFLSLLGPQILVSIILREYSDHRKLIYTVVRCIRSLSVCPSPKPAI 287
bcat LVKMLGSPVDSVLFYAITTLHNLHLEGARMAVRLAGGLQRMVALLNKINVKFLAITDCLQILAYGNQESKLIILASGGPQALVNIIMRTYT-YEKLLWTTSRVLKVLVCSNKPPIV 358
* * * * *

hmp2 SLGCLPALYVELCTAKDERSQTAILVAMRNLSDSATNEENLTQLIIKLEIIRVANDGMTACACGTLNLTCCNTRNKQTVCSHGGIDALVTAIRRLPEVEEVTPEPALCRHCTARHSL 407
bcat EAGGMQALGLHLTDP-SQRLVQNCWTLRNLSDAATKQEGMEGLLGLVQLLGSDDINVVTCAGILSNLTCNNYKMMVVCQVGGIEALVRTVLRAGDREDITEPAICALRHLSRHQE 477
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hmp2 AEEAQSELRFQAFVILDQLET-LRTPVKAALGVIRNSALLQTNLIELTQEQTANGHTAVSLTMDILRRAITAIEENPDIAVDGVPMWGVIEGAVSALHQLANHPAVAAACDDIGQV 526
bcat AEMAQNAVRLHYGLPVVVKLLHPPSHWPLIKATVGLIRNLALCPANHAPLREQGAIPLRVQLLVRAHQDTQRRTSMGGTQQQFVEGVMEIEVEGCTGALHILARD-----VHNRIVIR 591
* * * * *

hmp2 GNPECPFFLDLHRLLAHPRLSMDDEVLEREILGLLYQLSKRPD GARAVESTGVSALLMESRGSQYKSVVITYANGVLSNLKRGDSAAIMN-----MSNSYDYE 625
bcat GLNTIPLFVQLLYSPIEN-----IQRVAAGVLCELAQDKEAAEAI EAEGATAPLTELHLSRNEGVATYAAAVLFRMSEDKPQDYKRLSVELTSSLFRTEPMAWNETADLGLDIG 701
* * * * *

hmp2 MSGSAADWQRD-----GLERELFAEMYPTNDGGHSESINMALN-----NSQMRPNH---WYDIDL 678
bcat AQQEPLGYRQDDPSYRSFHSGGYQDALGMDPMHEHEMGHHPGADYVVDGLPDLGHAQDLMDGLPPGDSNQLAWFDTDL 781
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**Figure S1** Sequence alignment of HMP-2 and murine  $\beta$ -catenin by using ClustalW2 (EMBL-EBI). The conserved residues are marked as asterisks