

PMH1	MISTVLRSSILGTSRRTLAAASVTSINAALFHNLAPAAAATVSDLAN-GATNVKSLPSNSSP	59
PMH2	MITTVLRRSLLDASKRNLSASLTISINTVLFHNLAAPAATRVSDLALIGSSDVKA-----FP	56
	***** *	
PMH1	FGVKVRDFHVKSVPSEFRSSIVSSAGFAAQEYAPSYENDGGIGDSESVGSSGGDGLAIA	119
PMH2	FGVEAKGIHFQSGPLDFRASMVSQAGFAISESS----ERRVGDSSEVG---GDGLAIS	107
	*** *	
Q	I	
PMH1	DLGISPEIWKALKGRGIEKLFPIOKAVLEPAMEGRDMIGRARTGTGKTIAFGIPIIDKII	179
PMH2	ELGISPEIWKALSKKGIEKLFPIOKAVLEPAMEGRDMIGRARTGTGKTIAFGIPIIDKII	167
	***** *	
la		
PMH1	KFNAKHGRGKNPQCLVLAPTRELARQVEKEFRESAPSLSDTICLYGGTPIGQQMRELYGI	239
PMH2	KYNACKHGRGRNPLCLVLAPTRELARQVEKEFRESAPSLSDTICLYGGTPIGQQMRQLDYGV	227
	* *	
lb	II	
PMH1	DVAVGTPGRRIIDLMKRGALNLSEVFVVI[DEAD]QMLQVGFAEDVEIILOQKLPAKRQSMMF	299
PMH2	DVAVGTPGRVIDLMKRGALNLSEVFVVI[DEAD]QMLQVGFAEDVEIIILEKLPEKRQSMMF	287
	***** *	
III		
PMH1	SATMPSWIRSLTKKYLNNPLTIDLVGSDQKLADGITMYSIAADSYGRASIIGPLVKEHG	359
PMH2	SATMPSWIRSLTKKYLNNPLTVLDVGSDQKLADGITTYSIIADSYGRASIIGPLVTEHA	347
	***** *	
V	VI	
PMH1	AARGLDVPNVDLVIHYELPNNTETFV[HRTGRTGRAGKKGSAILIHGQDQTRAVKMIEKEV	479
PMH2	AARGLDVPNVDLIIHYELPNNTETFV[HRTGRTGRAGKKGSAILIYSQDQSRAVKIIEREV	467
	***** *	
PMH1	GSRFNELPSIAVERGSAASMFEGVGARSGGSFGG-----GRSGGGGYG-SYGSSSG	528
PMH2	GSRFTELPSIAVERGSAASMFEIGRSRGSGFGGGMRDRGSSFGGRSGGGYGGSSGGYGG	527
	***** *	
PMH1	RSGGGSYGGYGGSSGRGGGGSYGGSGSSRYSGGSDRSGFGSGSS-----	581
PMH2	GRSGGSSNRYSGDSDRSGFGSGMRSPEGYGSDRSSQSGGRSSFGGGRSGGSSNNRSSGF	587
	*** *	
PMH1	GGFGSDRSQQSSGRSSFGFGSNDGKRSY	610
PMH2	GDFGSDRSQQSGGRSSFGFGSNDGKRSY	616
	* *	

Alignment of PMH1 (At3g22310) and PMH2 (At3g22330) amino acid sequences. Identical residues are indicated by stars. DEAD-box protein-specific motifs are boxed and numbered according Linder et al. (2006). The peptides used for immunization are given in grey boxes.