

			20		40		
AtMLO2	MA - DQVKERT	LEETSTWAVA	VVCFVLLFIS	IVLEHSIHKI	GTWFKKKHKQ	49	
AtMLO6	MA - DQVKEKT	LEETSTWAVA	VVCFVLLFIS	IVLEKLIHKI	GSGEKKKNKK	49	
AtMLO12	MA - - - IKERS	LEETPTWAVA	VVCFVLLFIS	IMIEYFLHFI	GHWFKKKKHK	47	
MtMLO1	MAEDKYYERT	LEETPTWAVA	VVCFVLLAIS	IVTEHIIHAI	GKWFKKKKKN	50	
PsMLO1	MAEEGKKERT	LEETPTWAVA	VVCLVLLAIS	IVTEHIIHVI	GKWLKKRNKN	50	
LjMLO1	M - - DKLAQKK	LEETPTWAVA	VVCFVLLAIS	IIIEHGIHAI	EKWLKKRHKK	48	
SiMLO1	M - - - - -	-EATPTWAVA	VVCFVLLAIS	IFIEQIIHHI	GEWLKKRKKK	40	
CaMLO2	MA - - - - KERS	MEATPTWAVA	VVCFVLLAIS	IFIEQIMHHI	GEWLKKKKKK	46	
NtMLO1	M - - - - -	-EATPTWAVA	VVCFVLLAIS	IFIEQIIHHI	GEWLKKKKKK	40	
CsaMLO8	MAECGTEQRT	LEDTSTWAVA	VVCFVLLFIS	IFIEHVIHIT	GKWLKKRHKK	50	
Consensus	MA - D - VKERT	LEETPTWAVA	VVCFVLLAIS	IFIEHIIHHI	GKWLKKKKKK		
		60		80		100	
AtMLO2	ALFEALEKVK	AELMLLGFIS	LLLTIGQTPI	SNICISQKVA	STMHPCSA - A	98	
AtMLO6	ALYEALKKVK	AELMLMGFIS	LLLTIGQGYI	SNICIPKNIA	ASMHPCSA - S	98	
AtMLO12	A - SEALEKVK	AELMLLGFIS	LLLVVLTQTPV	SEICIPRNIA	ATWHPCSN - H	96	
MtMLO1	ALYEALKKVK	GELMLMGFIS	LLLTIVFQDYI	SKICISEKIG	STWHPCST - P	99	
PsMLO1	ALYEALKKIK	GELMLLGFIS	LLLTIVFQDNI	SKICVSQKIG	STWHPCST - S	99	
LjMLO1	ALHEALEKIK	GELMLMGFIS	LLLTIVFKDPI	SNICISQKVA	STWHPCHP - E	97	
SiMLO1	SLYEALKKIK	AELMLLGFIS	LLLTIVLQDPV	SNICVPSKVG	YSWHPCMAKE	90	
CaMLO2	PLYEALKKIK	AELMLLGFIS	LLLTIVLQDPV	SNICVPSKVG	YSWHPCKADE	96	
NtMLO1	PLYEALKKIK	AELMLLGFIS	LLLTIVVQSPV	SNICVPSKVG	YSWHPCKSDP	90	
CsaMLO8	ALYEALKKIK	AELMLLGFIS	LLLTIGQDAV	TQICVSKELA	ATWLPCAARA	100	
Consensus	ALYEALKKKK	AELMLLGFIS	LLLTIVXQDPX	SNICXXXKVVX	STWHPCSA - E		
		120		140			
AtMLO2	EEAKKYGKKD	AGKKDDGQGD	KPGRRLLELE	AES - - - YIHR	RSLATKG - - -	142	
AtMLO6	EEARKYGKKD	YPKEDE - - - E	ENRRKLLQL	VDS - - - LIPR	RSLATKG - - -	139	
AtMLO12	QELAKYGKDY	I - - - DDG - -	- - - - RKLEED	FDSNDFYSPR	RNATKG - - -	133	
MtMLO1	KT - - - - KT -	ASNDENSESE	- NHDRKLELEY	FDPN - - - - PR	RILATKG - - -	135	
PsMLO1	NT - - - - KAK	AKSDESLEYK	TNDRKLELEY	FDP - - - - PR	RILATKG - - -	137	
LjMLO1	EK - - - - K - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - KGP - E	105	
SiMLO1	DAKSEYD - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	97	
CaMLO2	DVKSLEYD - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	103	
NtMLO1	AAKKNKYD - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	97	
CsaMLO8	KTGKAK - - - -	- - - - - - - -	- NSRLRLLEEF	DDPD - - YGSR	RILASKGD - - -	133	
Consensus	EKK - KYXK - -	- - - - - - - -	- - - - RKLL - -	- D - - - - - PR	R - LATKG - - -		
		160		180		200	
AtMLO2	- YDKCAEKKGK	- - VAFVSAYG	IHQLHIFIFV	LAVFHVLYCI	ITLALGRTKM	189	
AtMLO6	- YDKCAEKKGK	- - VAFVSAYG	MHQLHIFIFV	LAVCHVLYCI	ITVAGLTKM	186	
AtMLO12	- YDKCAEKKGK	- - VALVSAYG	IHQLHIFIFV	LAVFHVLYCI	ITVALGRTKM	180	
MtMLO1	- YDQCADKKGK	- - VALVSAYG	IHLHIFIFV	LALFHILQCI	ITLALGRFKM	182	
PsMLO1	- YDKCFDKGQK	- - VALVSAYG	IHQLHIFIFV	LALFHILQCI	ITTLGRITKM	184	
LjMLO1	YDKCAKDKGK	DKVAFMSQYG	IHQLHIFIFV	LALFHILQCI	ITLALGRTRM	155	
SiMLO1	- - DPCLPKKGK	- - VQFASSYA	IHQLHIFIFV	LAVAHVLYCI	ATFALGRKLM	143	
CaMLO2	- - DPCLPKKGK	- - VQFASSYA	IHQLHIFIFV	LAVAHVLYCI	ATFALGRKLM	149	
NtMLO1	- - DPCLPKKGK	- - VQFASSYA	IHQLHIFIFV	LAVAHVLYSI	ATFALGRKLM	143	
CsaMLO8	- - DACAKRGQK	- - VAFVSAYG	IHQLHIFIFV	LAVFHVLYCI	ITLALGRTKM	179	
Consensus	- YDKCAEKKGK	- - VAFVSAYG	IHQLHIFIFV	LAVFHVLYCI	ITLALGRTKM		
		220		240			
AtMLO2	RTWKSWEEET	KTIEYQYND	PERFRFARDT	SEGRRLNFW	SKTRVTLWIV	239	
AtMLO6	RRWKWEEET	KTIEYQYSHD	PERFRFARDT	SEGRRLSFW	SKSTITLWIV	236	
AtMLO12	KWKSWERET	KTIEYQYSHD	PERFRFARDT	SEGRRLNFW	SKSTITLWIT	230	
MtMLO1	RRWKWEDEET	RTVEYQFYND	PERFRFARDT	TEGRRHLSMW	TKSPITLWIV	232	
PsMLO1	RKWKWEDEET	RTVEYQFYND	PERFRFARDT	TEGRRHLSMW	AQSPITLWIV	234	
LjMLO1	AMWKWEEET	KTLEHQFDND	PERFRFARDT	TEGRRHLSW	SQSPITLWIV	205	
SiMLO1	RKWRWEDEET	KTMEYQFYND	PERFRFARET	SEGRRLHFW	SKSPVLLSIV	193	
CaMLO2	RKWRWEDEET	KTIEYQFYND	PERFRFARET	SEGRRLHFW	SKSPVMLWIV	199	
NtMLO1	RKWRWEDEET	KTIEYQFYND	PERFRFARET	SEGRRLHYW	SKSPVLLWIV	193	
CsaMLO8	SKWKWEDEET	KTIEYQYND	PARFRFARDT	TEGRRHLSFW	SRTPTSLWIV	229	
Consensus	RKWKWEDEET	KTIEYQFYND	PERFRFARDT	SEGRRLSFW	SKSPIXLWIV		
		260		280		300	
AtMLO2	CFFRQFFGSV	TKVDYLALRH	GFIMAHAPG	NESRFDERKY	IQRSLKDFK	289	
AtMLO6	CFFRQFFRSV	TKVDYLTLRH	GFIMAHAPG	SDARFDFRKY	IQRSEEDFK	286	
AtMLO12	CFFRQFFGSV	TKVDYLTLRH	GFIMAHAPG	SAARFDFQKY	IERSLEQDFT	280	
MtMLO1	CFFRQFFGSII	SRVDYALALRH	GFIMAHAPG	NDAEFDQKY	ISRSLEKDFK	282	
PsMLO1	SFFRQFFGSII	SRVDYMALRH	GFIMAHPPG	HDAQDFDQKY	ISRSLEEDFK	284	
LjMLO1	SFFRQFFGSV	DKVDYMLALRH	GFIMAHAPG	SESKFDQKY	ISRSVDEDFK	255	
SiMLO1	CFFRQFFSSV	AKVDYLTLRH	GFIMAHTPQ	NQNNFDFQY	INRAVDKDFK	243	
CaMLO2	CFFRQFFSSV	AKVDYLTLRH	GFIMAHTPQ	NQNNFDFQY	INRAVDKDFK	249	
NtMLO1	CFFRQFFSSV	AKVDYLTLRH	GFIMAHTPQ	NQNNFDFQY	INRAVDKDFK	243	
CsaMLO8	CFFRQFFGSV	TKVDYMLALRH	GFIMAHAPG	SEVKDFHFKY	ISRSLEEDFK	279	
Consensus	CFFRQFFGSV	TKVDYLTALRH	GFIMAHAPG	NXAXFDFQKY	ISRSLEKDFK		

