

Figure S3 Sequence alignment of AtLEC1, BnLEC1, AtL1L and BnL1L proteins

Section 1

	(1)	1	10	20	30	40	55																					
AtLEC1	(1)	M	P	Q	S	L	Q	N	T	M	S	V	A	A	D	N	I	V	Q	P	C							
BnLEC1	(1)	M	P	Q	S	L	Q	S	I	M	--	S	A	D	K	K	I	P	Q	P	S							
AtL1L	(1)	M	G	H	Y	K	S	N	T	P	P	G	A	N	L	A	G	M	P	E	N	P	K	S	G	E	E	C
BnL1L	(1)	M	G	H	Y	K	S	N	T	N	---	P	K	L	A	S	M	L	E	N	P	K	A	G	Q	E	C	
Consensus	(1)	M	P	S	Y	L	K	N	T	N	D	H	N	I	M	T	S	I	E	Q	N	T	N	Q	Q	P	C	

Section 2

	(56)	56	70	80	90	100	110																						
AtLEC1	(56)	V	Q	Q	M	I	N	I	I	R	T	P	H	K	S	D	K	T	Q	C	S	Y	S	V	G	A	E	C	
BnLEC1	(53)	M	Q	Q	M	I	N	I	I	R	I	P	H	K	S	D	K	T	Q	C	S	Y	S	V	G	A	E	C	
AtL1L	(55)	T	R	Q	R	M	I	N	I	I	R	I	P	H	K	S	D	K	T	Q	C	S	Y	S	I	G	A	E	C
BnL1L	(50)	T	R	Q	R	M	I	N	I	I	R	I	P	H	K	S	D	K	T	Q	C	S	Y	S	V	G	A	E	C
Consensus	(56)	T	R	Q	R	M	I	N	I	I	R	I	P	H	K	S	D	K	T	Q	C	S	Y	S	V	G	A	E	C

Section 3

	(111)	111	120	130	140	150	165																					
AtLEC1	(111)	Q	Q	K	I	A	D	L	A	S	L	F	N	V	P	T	F	N	Y	E	E	D	G	A	R	E	P	L
BnLEC1	(108)	Q	Q	K	I	A	D	L	A	S	L	F	D	V	P	N	F	N	Y	E	E	D	G	S	R	E	-	F
AtL1L	(110)	Q	Q	K	I	A	D	L	A	S	L	F	D	I	P	T	Y	H	Y	E	E	E	G	S	S	G	---	---
BnL1L	(105)	Q	Q	K	I	A	D	L	A	S	L	F	D	I	P	T	Y	H	Y	E	E	D	G	N	G	G	---	---
Consensus	(111)	Q	Q	K	I	A	D	L	A	S	L	F	D	I	P	T	F	N	Y	E	E	D	G	S	R	G	S	

Section 4

	(166)	166	180	190	200	210	220																					
AtLEC1	(166)	Q	G	N	I	F	G	S	G	P	P	P	G	G	L	Q	M	M	G	Y	Q	G	S	G	D	S	V	
BnLEC1	(162)	P	Y	G	G	G	H	P	---	P	P	S	G	G	L	Q	M	M	G	Y	H	G	S	P	G	V	G	
AtL1L	(161)	V	M	N	G	V	K	P	G	M	E	G	Y	P	V	G	H	A	Y	R	Q	G	V	S	N	P	S	
BnL1L	(156)	V	M	N	G	V	K	P	G	M	E	G	Y	---	---	T	A	Y	H	Q	G	A	S	N	P	S		
Consensus	(166)	V	Y	N	G	V	K	P	G	M	P	G	Y	Y	M	D	S	V	A	Y	Y	N	G	S	G	D	N	K

Section 5

	(221)	221	230	243									
AtLEC1	(218)	G	S	S	S	N	M	A	F	H	G	Y	-
BnLEC1	(210)	G	S	S	S	N	M	V	Y	Q	G	Y	-
AtL1L	(212)	M	G	S	S	A	G	R	E	F	T	Q	K
BnL1L	(202)	M	G	S	S	F	---	---	---	---	---	---	---
Consensus	(221)	M	G	S	S	N	M	V	D	G	Y		