

Section 1

	(1)	1	10	20	30	40	55
Ath SLY1	(1)	-----	-----	-----	-----	MKRSTTDS	DLAGDAHNETNKKMKSTE
Rice GID2	(1)	MKFRSDSSGGDEPRAPAAGDGGGGGDEPAKRQRTD	SSSSSQGEASSSSSQPPQQ				
Pine TC77201	(1)	-----	-----	-----	-----	MARVDEESQDRIAAG	-KYKKLVL
Sm 1587650_1	(1)	-----	-----	-----	-----	MLANPGKKPRICEIS	GLEWRIAM
Pp 997094760	(1)	-----	-----	-----	-----	MAQVEGGAGDGGNLYLPS	-----

Section 2

	(56)	56	70	80	90	100	110
Ath SLY1	(27)	EEIIGFSN	-----	LDENLVYEVLKHVDAKT	LAMSSCVSKIWHKTAQDE		
Rice GID2	(56)	QEEEQPPEDAGEGEQPRVPDLGE	DLVFEVLRRAEARTLAAACVSRGWRQLAEDE				
Pine TC77201	(23)	CQDEVAGN	-----	VDMINEIFKHLDAAS	LAMASCVSKKWKQASEDE		
Sm 1587650_1	(25)	SQPPTVISQVER	-----	DDMEYEILKHLDAKA	LAMAACVNRRWRRAAEDE		
Pp 997094760	(19)	-----	-----	DILRKMLDRVDAKT	LARVSCVSKRFRSISSEE		

Section 3

	(111)	111	120	130	140	150	165
Ath SLY1	(70)	RLWELICTRHWT	--NIGCGQN	QLRSVVLALGGFRRLLHS	SLYLWPLS	-----	
Rice GID2	(111)	RLWEAACVREWAN	--LGFSER	QLRAVVLSLGGFRRLLHAVYIRPLQWRGAGVP	---		
Pine TC77201	(64)	GLWEAICTRHWP	--STASSQSG	QLKSUVVALGGFRRLLVNC	LHPLLSR	-----	SN
Sm 1587650_1	(71)	TLWENVCTINWS	SASGASSQAS	QLRSVVLALGGFRRLLV	LCLRPLLSR	SSSS	----
Pp 997094760	(51)	SFWENLCNQROWS	----	STREPSVKS	LISSAGGFKKLYNN	CFFILSN	SES----

Section 4

	(166)	166	180	190	200	210	220
Ath SLY1	(113)	-----	KPNPRARFGKDEL	KLTLSSL	LSIRY	YEKMS	-----F
Rice GID2	(161)	-----	RQQGRRQPPVRLGRDQV	QLSLSLFSIGFF	QNMPCPKDKGNDSDKN		
Pine TC77201	(112)	NSLKSCSISKGGLSSG	-KQKWSKDEVYLSLSLFS	IDCYERI	IPFVALHPPRMTGI		
Sm 1587650_1	(122)	-----	VPKASVQQQEKWSKDEVH	LSLSLFS	IDCYERL	GRRYSNCHGSPLKL	
Pp 997094760	(97)	-TPSRGFDPTDRENS	SPSSFMS	IVDVT	FNGKPVLSRVVNG	IPGAWPECPGLVDIL	

Section 5

	(221)	221	230	240	250	260	275
Ath SLY1	(143)	TKRPI	IPESK	-----	-----	-----	
Rice GID2	(207)	GGGQCG	-----	-----	-----	-----	
Pine TC77201	(166)	VRPC	IDEQQPGTSS	--TAFTSDV	VRRL	LDGWRGKCSFHPSNANNNTAPHHSSK	--K
Sm 1587650_1	(169)	LCKSSRKADQRYLVPNAAAALE	LSGVN	-----	-----	-----	
Pp 997094760	(151)	DAAT	MAHAGHGVSITKQDEHGA	VLT	IYNKI	PEVSSSTVQECSDSPFSPVEFCNMR	

Section 6

	(276)	276	297
Ath SLY1	(152)	-----	
Rice GID2	(213)	-----	
Pine TC77201	(217)	TGIKAEDANYCWSMDSQSSPK	
Sm 1587650_1	(196)	-----	
Pp 997094760	(206)	VSWILINTKTQQMVNLSSWKPL	