









The detailed sequence information of the *MAT1-1-11* protein motif.

Motif 1

Name 	Start 	p-value 	Sites 
Morchella_purpurascens_[QQL94647]	222	2.01e-61	GPLATSLASE WYRNYKL MPADQEWRNSCRFELPPFETMLGWFENSRRRILSDIHSIRP GFKAIIDKQI
Morchella_sextelata_[QQL94614]	222	2.33e-61	GPLATSLATE WYRNYEL MPADGQEWRLNCRFELPSFETMLGWFENSRRRILSDIHSIRP GLKAIIDKQI
Morchella_importuna_[AVI61142]	222	1.28e-60	GPLATSLASE WYRNYEL MPANEQEWRLNCRFELPSFETMFGWFENSRRRILSDIHSIRP GLKAIIDKQI
Verpa_conica_No._21120	251	3.54e-55	SPITLSIARE WYKNYE INMANDEREWRKLCFFPLTFPDTMLDWFTKARCRINSDTAIRP AFKVIVDKAM
Verpa_conica_No._21117	231	3.54e-55	SPITLSIARE WYKNYE INMANDEREWRKLCFFPLTFPDTMLDWFTKARCRINSDTAIRP AFKVIVDKAM





Motif 2

Name 	Start 	p-value 	Sites 
Morchella_importuna_[AVI61142]	126	2.73e-60	EEKIQKLQHN YTEDIWVAIADLHEFLIFACFVNQIHRDDTLDEKTLYSARNHLADSPHPE AGIALADLRA
Morchella_sextelata_[QQL94614]	126	1.31e-59	EKKIQKLQHN YTEDIWVAVADLHEFLIFACFVNQIHRDDTLDEATLYSAQNHLIDSPHPE AGIAFADLRA
Morchella_purpurascens_[QQL94647]	126	6.27e-56	EKKVQKLQHN YTEDIWVAIADLHEFLIFAYFVNQIHRGDTLDEETLYRAQNHLADSSHPE AGIAFADLRA
Verpa_conica_No._21120	156	1.22e-50	LKILQTSIFK GEENIRVAIAEAHEFLLFATFINQLHRDDFFDDDTLQCATSHLEDSPHVE AAHALSGLRV
Verpa_conica_No._21117	136	1.22e-50	LKILQTSIFK GEENIRVAIAEAHEFLLFATFINQLHRDDFFDDDTLQCATSHLEDSPHVE AAHALSGLRV





Motif 3

Name 	Start 	p-value 	Sites 
Morchella_sextelata_[QQL94614]	366	5.79e-62	CTIDGNMKQA QHIIGRIFEAFTGTADFQCMNVILRSRLGGYEEKVFAQKSEKEFNIRYLS AVGEFLGQMR
Morchella_purpurascens_[QQL94647]	366	1.76e-58	CTIDGNMKHA QHTIGRIFEAFTGTADFQCMNVILRSNRLGGCEEKLFQAKSEKEFNIRYLS AIGEFGLQRR
Morchella_importuna_[AVI61142]	367	3.64e-57	CTIDGNMKQI QHIIGRIFEAFTGTADFQCMNAILHSRLGGYEEKVFAQKSEKEFNIRYLS AVGEFLGQMR
Verpa_conica_No._21120	393	1.32e-45	DSINPSIQEI QRLIKVIFESFATTAALSMKIIILRDHGLDEVQIEITSSQHSEREFNTRYLR YNVPVLNIYS
Verpa_conica_No._21117	373	1.32e-45	DSINPSIQEI QRLIKVIFESFATTAALSMKIIILRDHGLDEVQIEITSSQHSEREFNTRYLR YNVPVLNIYS





Motif 4

Name 	Start 	p-value 	Sites 
Morchella_purpurascens_[QQL94647]	24	5.75e-57	EATITPRKTT NRREAINQIRNVLCQVKNDLAYKPRAVPDAKIRDIAIFATRVLRFRRIKE LKRAIIDEKL
Morchella_importuna_[AVI61142]	24	2.13e-56	EATITPRKIT SRREAINKIRNVLCQVKNELAYKPRAVPDAKVRDVAIFSTRVLRFRRIKE LKRDSIDERL
Morchella_sextelata_[QQL94614]	24	2.75e-55	EATII PRKTT SRREAISQIRNVLCQVKNDLAYKPRAVPDAKVRDVVIFSTRVLRFRRIKE LKRASIDERL
Verpa_conica_No._21120	51	3.01e-50	LLTFIVANVS NRRKAIDRVVETLSQIRNELAYKPGAITDAKIRDVLLFALRVVRGFRVKY LRIKNLDETL
Verpa_conica_No._21117	31	3.01e-50	LLTFIVANVS NRRKAIDRVVETLSQIRNELAYKPGAITDAKIRDVLLFALRVVRGFRVKY LRIKNLDETL





Motif 5

Name 	Start 	p-value 	Sites 
Morchella_purpurascens_[QQL94647]	291	1.93e-58	IRDDSVVTKL NKGISMDEKRGETEKLDTLLADMIHEVDRLGSELEMKAFTPPFPFPSRAP QNHSPIKLQC
Morchella_sextelata_[QQL94614]	291	1.99e-56	IRDDSVVTKL NKGISMDEKRGETEKLDTLLADMIHEVDKLGSQLMKAFTPPFPFPSCTP QNHSPIKLQY
Morchella_importuna_[AVI61142]	291	1.78e-53	IRDDSVVTKL NKGISMDEKRGETEKLDTLLADMIHEVDKLGSQLKMKAFTPFPFPSASCT PQNHSPIKLQ
Verpa_conica_No._21120	320	6.08e-46	MKAKEVLAGF QKGQVKDDTRDIEPINDLLKALILEVEGGFSLVKIRPFPFPFPSRAP ENKSPINLEY
Verpa_conica_No._21117	300	6.08e-46	MKAKEVLAGF QKGQVKDDTRDIEPINDLLKALILEVEGGFSLVKIRPFPFPFPSRAP ENKSPINLEY





Motif 6

Name 	Start 	p-value 	Sites 
Morchella_importuna_[AVI61142]	76	2.60e-56	LRRFRIKELK RDSIDERLDFHPADIYSLGHQVKSLLGAQSNLVRDLRYLEKKIQKLQHN YTEDIWVAIA
Morchella_sextelata_[QQL94614]	76	5.78e-55	LRRFRIKELK RASIDERLDFRPIADYISLGHQVKSLLGAQSNLVRDLGYLEKKIQKLQHN YTEDIWVAIA
Morchella_purpurascens_[QQL94647]	76	2.41e-51	LRRFRIKELK RAIIDEKLDFHPADIYSLGLQIKSLLGAQSILARDLGYLEKKVQKLQHN YTEDIWVAIA
Verpa_conica_No._21120	103	2.33e-42	VRGFRVKYLR IKNLDETLDFYPLVNIHNLGRQIFSLFELQKKFTKSLRDVAIELKILQTS IFKGEENIRV
Verpa_conica_No._21117	83	2.33e-42	VRGFRVKYLR IKNLDETLDFYPLVNIHNLGRQIFSLFELQKKFTKSLRDVAIELKILQTS IFKGEENIRV


Motif 7

Name 	Start 	p-value 	Sites 
Morchella_sextelata_[QQL94614]	455	7.68e-64	PETRDVLVRD RHHSQILTCIFDAFGSLSEAE E EYLLGITHLHMSLEEIH EWFQKHS AKLQ RDNPEK
Morchella_importuna_[AVI61142]	456	1.17e-63	PETRNLILRD RHHSQILTCIFDAFGSLSEAE E EYLLGITHLHMSLEEIH EWFQKHS AKFQ NDKLEK
Morchella_purpurascens_[QQL94647]	455	2.64e-62	SETRGLFLRD RNSQILTCIFDAFGSLSEAE E EYLLGVTHLHMSLEEIH EWFQKHS AKLQ SGNREK

Motif 8

Name 	Start 	p-value 	Sites 
Morchella_sextelata_[QQL94614]	342	2.60e-29	PQFPSPCTPQ NISPIKLQYWVSDTCTIDGNM KQAQHIIGRI
Morchella_importuna_[AVI61142]	343	2.60e-29	SFPSPASCTPQ NISPIKLQYWVSDTCTIDGNM KQIQHIIGRI
Morchella_purpurascens_[QQL94647]	342	3.80e-28	PPFPSPRAPQ NISPIKLQCVSDTCTIDGNM KHAQHTIGRI
Verpa_conica_No._21120	371	2.20e-19	PPFPSPRAPE NKSPINLEYRISDSINPSIQE IQRLIKVIFE
Verpa_conica_No._21117	351	2.20e-19	PPFPSPRAPE NKSPINLEYRISDSINPSIQE IQRLIKVIFE

Motif 9

Name 	Start 	p-value 	Sites 
Morchella_sextelata_[QQL94614]	176	4.60e-33	NHLIDSPHPE AGIAFADLRAARQVEKELQKLSYGEGLPT VSKVIKLGPL
Morchella_importuna_[AVI61142]	176	1.96e-32	NHLADSPHPE AGIALADLRAARQVEKEFKMNGEGLPT VSKVIKLGPL
Morchella_purpurascens_[QQL94647]	176	2.03e-31	NHLADSSHPE AGIAFADLRAARQVEKELQKMSYDKGLPT VSGVIKFGPL
Verpa_conica_No._21120	206	1.27e-25	SHLEDSPHVE AAHALSGLRVALSVSKELEKKDCRENPTV SSPTKLSPIT
Verpa_conica_No._21117	186	1.64e-25	SHLEDSPHVE AAHALSGLRVALSVSKELEKKDCRETPTV SSPTKLSPIT

Motif 10

Name ?	Start ?	p-value ?	Sites ?
Morchella_sextelata_[QQL94614]	420	2.93e-36	NIRYLSAVGE FLGQMRFKVFEAINPDEFDSEELTPETR DIVLRDRHHS
Morchella_importuna_[AVI61142]	421	1.22e-35	NIRYLSAVGE FLGQMRFKQVFEAINPDEFSGSKELTPETR NLILRDRHHS
Morchella_purpurascens_[QQL94647]	420	1.79e-30	NIRYLSAIGE FLGQRRFKAFEAINPDELDKGLTSETR GLFLRDRHNS