

The detailed sequence information of the *MAT1-1-10* protein motif.

Motif 1

Name ?	Start ?	p-value ?	Sites ?
Morchella_purpurascens_[QQL94643.1]	48	1.27e-60	FFPRTYPNPK <b>IR</b> KVMVFCIAT <b>LKEFKIKNLHPALLDQ</b> <b>KD</b> IYPLANLYNLGVQ <b>IILALREV</b> NIRLEKDI <b>IK</b>
Morchella_importuna_[AVI60817.1]	48	1.42e-58	FFPRTAYNLK <b>IR</b> KAMVFCIAT <b>LKEFKIKNLHPALLDQ</b> <b>KD</b> ICPLANLYNLGVQ <b>IILALREV</b> NIRLEKDI <b>IK</b>
Morchella_sextelata_[QQL94615.1]	48	3.25e-58	FFPRTYPNPK <b>IR</b> KAMVFCIA <b>LKEFKIKNLHPALLDQ</b> <b>KD</b> IYPLANLYNLGVQ <b>IILALREV</b> NIRLEKDI <b>IK</b>
Morchella_sp._Mes-20_[AVI61143.1]	48	1.75e-57	FFPRTPYSPK <b>IR</b> KAI <b>IFCTDTLKEFKIKNLHPALLDR</b> <b>KD</b> IYPLANLYNLGVQ <b>IILALREV</b> NIRLERDIEK
Morchella_sp._Mes-19_[QQL94629.1]	48	8.09e-56	FFPRTPYSPK <b>IR</b> KAI <b>IFCTDTLKEFKIKNLHPALLDR</b> <b>KD</b> IYPLANLYNLGVQ <b>IILALREV</b> NIRLERDIEK
Morchella_crassipes_[AVI60838.1]	48	8.09e-56	FFPRTPYSPK <b>IR</b> KAI <b>IFCTDTLKEFKIKNLHPALLDR</b> <b>KD</b> IYPLANLYNLGVQ <b>IILALREV</b> NIRLERDIEK
Morchella_sp._Mes-6_[QQL94636.1]	48	4.76e-55	FFPRTPYSPK <b>IR</b> KAI <b>IFCTDTLKEFKIKNLHPALLDR</b> <b>KD</b> IYPLANLYNLGVQ <b>IILALREV</b> NIRLERDIEK
Morchella_rufobrunnea_[QQL94651.1]	48	2.94e-53	FFPRTPYNSK <b>IR</b> RVMI <b>FCTETLKEFKIKNLHPALLDR</b> <b>KD</b> IYPLANLYNLGVQ <b>IILALREV</b> NIRLERDIKR
V_bohemica_No._21108	46	1.76e-50	FFPSTRLDPN <b>IR</b> KVLVFCIAT <b>LKEFEVKKLNKFLDKVQ</b> <b>DV</b> YPLANLYNLGIQ <b>IMALLEI</b> QNVLYTQLCQ
V_bohemica_No._21124	46	1.76e-50	FFPSTRLDPN <b>IR</b> KVLVFCIAT <b>LKEFEVKKLNKFLDKVQ</b> <b>DV</b> YPLANLYNLGIQ <b>IMALLEI</b> QDVLYTQLCQ
V_bohemica_No._20020	46	1.76e-50	FFPSTRLDPN <b>IR</b> KVLVFCIAT <b>LKEFEVKKLNKFLDKVQ</b> <b>DV</b> YPLANLYNLGIQ <b>IMALLEI</b> QDVLYTQLCQ
V_conica_No._21110	47	2.92e-45	FFPSKRLDSQ <b>IR</b> DVLVFCIA <b>LKEFEVKTLRQ</b> <b>EFLDEGQD</b> IYPLANLYNLGIQ <b>ILALQEI</b> QNRFFTELDQ

Motif 2

Name ?	Start ?	p-value ?	Sites ?
Morchella_crassipes_[AVI60838.1]	118	3.16e-59	WNCGLKTLQS <b>SL</b> PEDSCDVGLILVEV <b>HEFLVFATIANQ</b> <b>IMP</b> FHTLT <b>PYSIRCAAKAAQNS</b> RLLTEAAHTL
Morchella_sp._Mes-6_[QQL94636.1]	118	3.16e-59	WNCGLKTLQG <b>SL</b> PEDSCDVGLILVEV <b>HEFLVFATIANQ</b> <b>IMP</b> FHTLT <b>PYSIRCAAKAAQNS</b> RLLTEAAHTI
Morchella_sp._Mes-19_[QQL94629.1]	118	3.78e-58	WNCGLKTLQG <b>SL</b> PGDSCDVGLILVEV <b>HEFLVFATIANQ</b> <b>IMP</b> FHTLT <b>PYSIRCAAKAAQNS</b> RLLTEAAHTL
Morchella_sp._Mes-20_[AVI61143.1]	118	1.10e-54	WNCGLKTLQG <b>SL</b> PEDSCDVRLILVEV <b>HEFLAFATIANQ</b> <b>IMP</b> FHTLT <b>PYSIRCAAKAAQNS</b> RLLTEAAHTL
Morchella_purpurascens_[QQL94643.1]	118	3.56e-54	WDRNLKALQD <b>SL</b> PEYSEDVGLILAEV <b>HEFLAFATVANQ</b> <b>IMP</b> FDLTSS <b>IKCAAIAAKNS</b> GSPIEDSHAI
Morchella_importuna_[AVI60817.1]	118	1.24e-53	WDHSLKTLQD <b>SL</b> PEHSEDVGLILAEV <b>HEFLAFATVANQ</b> <b>IMP</b> FDLTSS <b>IKCAAIAAKNS</b> GSIEDSHAI
Morchella_sextelata_[QQL94615.1]	118	5.70e-52	WDHSLKALQD <b>SL</b> PEYSEDVGLILAEV <b>HEFLGFATVANQ</b> <b>IMP</b> FDLTSS <b>IKRAATAANDS</b> GSIEDSHAI
V_bohemica_No._21124	115	9.02e-49	QWKQDVGA <b>VQ</b> <b>AS</b> PFTGS <b>DIG</b> IVLADV <b>HEFLVFSTLTNR</b> <b>IMP</b> FHTLT <b>ESSIKRAVQIAKIS</b> EFLADASHSV
V_bohemica_No._20020	115	9.02e-49	QWKQDVGA <b>VQ</b> <b>AS</b> PFTGS <b>DIG</b> IVLADV <b>HEFLVFSTLTNR</b> <b>IMP</b> FHTLT <b>ESSIKRAVQIAKIS</b> EFLADASHSV
V_bohemica_No._21108	115	1.60e-48	QWKQDVGV <b>VQ</b> <b>TS</b> PFTGS <b>DIG</b> IVLADV <b>HEFLGFSTLTNR</b> <b>IMP</b> FHTLT <b>ESSIKRAVQIAKIS</b> EFLADASHV
V_conica_No._21110	117	2.12e-48	WKYDVEAV <b>QA</b> <b>SS</b> PGSS <b>DDIG</b> TVLAEV <b>HEFLVFATLTNR</b> <b>IMP</b> FHILTEFS <b>IKH</b> AVQ <b>VAKIS</b> EFLTEASNTI
Morchella_rufobrunnea_[QQL94651.1]	118	8.59e-48	WNCRLKALQD <b>S</b> PENSS <b>DVGLVLAEV</b> <b>HEFLVFATIANQ</b> <b>V</b> TSHTLT <b>YYSIRLAABAAKGS</b> IFTEATHTI

Motif 3

Name ?	Start ?	p-value ?	Sites ?
Morchella_sp._Mes-19_[QQL94629.1]	232	2.66e-56	YNYRGSH <b>TL</b> Y <b>TK</b> IRRN <b>D</b> IST <b>P</b> IPFEKLV <b>TWFTNARRRI</b> <b>IK</b> NQAI <b>R</b> PGLKA <b>IVDEALSSK</b> RSFKTDI <b>Y</b> IQ
Morchella_sp._Mes-20_[AVI61143.1]	232	1.58e-55	YNYRGSHALY <b>TK</b> IRRN <b>E</b> IST <b>P</b> IPFEKLV <b>TWFTNARRRI</b> <b>IK</b> NQAI <b>R</b> PGLKA <b>IVDEALSSK</b> RSFKTDI <b>H</b> IQ
Morchella_crassipes_[AVI60838.1]	232	1.34e-54	YNYRGSHALY <b>TK</b> IRRN <b>D</b> IST <b>P</b> IPFEKLV <b>TWFTNARRRI</b> <b>IR</b> RGQAI <b>R</b> PGLKA <b>IVDEALSSK</b> RSFKTDI <b>H</b> IQ
Morchella_importuna_[AVI60817.1]	232	4.97e-54	YNCYKSYASC <b>TG</b> INQNT <b>I</b> STM <b>IP</b> FFENLV <b>TWFTNARRRI</b> <b>IG</b> GDQS <b>I</b> SPGLKS <b>IVNGALSSK</b> PLKIDHHVQ <b>H</b>
Morchella_sp._Mes-6_[QQL94636.1]	234	3.63e-53	YNYRGSHALY <b>TK</b> IRRN <b>D</b> IST <b>P</b> IPFFENLV <b>TWFTNARRRI</b> <b>IK</b> NQAI <b>R</b> PSLKA <b>IVDEALSSK</b> RSFKTDI <b>H</b> IQ
Morchella_sextelata_[QQL94615.1]	234	6.09e-52	CYKSHAPCTV <b>NE</b> INQNT <b>I</b> STM <b>IP</b> FFENLV <b>TWFTNARRRI</b> <b>IG</b> GNQT <b>I</b> SPGLS <b>IVNGALSSK</b> SLKIDHHVQ <b>D</b>
V_bohemica_No._21108	231	1.95e-45	NHELMS <b>MTTE</b> <b>KE</b> IRQ <b>EARL</b> FVIPFD <b>HL</b> LTWF <b>INARRRI</b> <b>IL</b> VAGQT <b>IS</b> PALKVV <b>VN</b> LITSD KKPPPSHV <b>PM</b>
V_bohemica_No._21124	231	2.64e-45	NHELMS <b>SAAE</b> <b>KQ</b> IRQ <b>EARL</b> FVIPFD <b>HL</b> LTWF <b>INARRRI</b> <b>IL</b> VAGQT <b>IS</b> PALKVV <b>VN</b> LITSD KKPPPSY <b>PM</b>
V_bohemica_No._20020	231	2.64e-45	NHELMS <b>SAAE</b> <b>KQ</b> IRQ <b>EARL</b> FVIPFD <b>HL</b> LTWF <b>INARRRI</b> <b>IL</b> VAGQT <b>IS</b> PALKVV <b>VN</b> LITSD KKPPPSY <b>PM</b>
Morchella_purpurascens_[QQL94643.1]	230	1.72e-44	SWYNCYK <b>SYT</b> <b>SCT</b> VNN <b>TIST</b> VI <b>R</b> FENLV <b>TWFTNARRRI</b> <b>IG</b> GDQT <b>IS</b> PGLKS <b>IVNEALSKP</b> SKIDCHVQ <b>DK</b>
Morchella_rufobrunnea_[QQL94651.1]	233	2.08e-43	HRKDHAS <b>RIF</b> <b>NDF</b> HQ <b>NDK</b> STQ <b>IP</b> FFEN <b>LM</b> TW <b>FCNGRRRI</b> <b>I</b> TCGQT <b>IN</b> FLKAI <b>ID</b> GA <b>VSSK</b> IPSKIETRG <b>D</b>

Motif 4

Name ?	Start ?	p-value ?	Sites ?
Morchella_sp._Mes-6_[QQL94636.1]	425	1.40e-59	VLLATRE <b>FNE</b> <b>TY</b> FEWQ <b>N</b> SR <b>S</b> DL <b>F</b> EAI <b>F</b> DV <b>FP</b> NP <b>N</b> ITE <b>EE</b> YLSK <b>IT</b> GM <b>VN</b> Q <b>IN</b> TW <b>CE</b> KS <b>FNR</b>
Morchella_sp._Mes-20_[AVI61143.1]	423	1.40e-59	VLLGTRE <b>SNE</b> <b>TY</b> FEWQ <b>N</b> SR <b>S</b> DL <b>F</b> EAI <b>F</b> DV <b>FP</b> NP <b>N</b> ITE <b>EE</b> YLSK <b>IT</b> GM <b>VN</b> Q <b>IN</b> TW <b>CE</b> KS <b>FNH</b>
Morchella_sp._Mes-19_[QQL94629.1]	423	9.79e-57	VLLATRE <b>PNE</b> <b>TY</b> FEWQ <b>N</b> SR <b>S</b> DL <b>F</b> EAI <b>F</b> DV <b>FP</b> NP <b>N</b> ITE <b>EE</b> YLSK <b>IT</b> GIN <b>VN</b> Q <b>IN</b> TW <b>CE</b> KS <b>FNH</b>
Morchella_purpurascens_[QQL94643.1]	417	8.69e-56	ILLATRG <b>PNQ</b> <b>NY</b> FEWK <b>R</b> SR <b>S</b> ELLE <b>AI</b> FE <b>IF</b> PD <b>PN</b> MVE <b>EE</b> YLSN <b>VT</b> GM <b>N</b> INQ <b>IN</b> TW <b>CK</b> RS <b>LDP</b> NPY <b>TRI</b> H
Morchella_sextelata_[QQL94615.1]	422	2.58e-54	ILLATRG <b>ANQ</b> <b>N</b> FEWK <b>R</b> SR <b>S</b> ELLE <b>TIFE</b> TF <b>PD</b> PN <b>MI</b> EE <b>Y</b> LSN <b>VT</b> GM <b>N</b> INQ <b>IN</b> TW <b>CK</b> RS <b>LDP</b> QSY <b>LY</b> TL
Morchella_importuna_[AVI60817.1]	420	6.64e-51	ILLATRG <b>LNQ</b> <b>D</b> FERK <b>R</b> SR <b>S</b> ELLE <b>TIFE</b> IF <b>PD</b> PN <b>LM</b> EE <b>Y</b> LSN <b>VT</b> GM <b>N</b> INQ <b>IN</b> TW <b>CK</b> RS <b>PDP</b> QSY <b>LY</b> TL
V_bohemica_No._21108	379	3.53e-47	GENVVC <b>NRPL</b> <b>G</b> APT <b>NN</b> P <b>IR</b> SD <b>LL</b> EAV <b>FE</b> IC <b>ND</b> PN <b>ILE</b> EE <b>Y</b> LS <b>IT</b> GLSV <b>TQ</b> V <b>HC</b> W <b>FLY</b> LK <b>RHY</b> LSQ <b>PT</b> MA
V_bohemica_No._21124	434	3.53e-47	GEKIVC <b>NRPL</b> <b>G</b> APT <b>NN</b> P <b>IR</b> SD <b>LL</b> EAV <b>FE</b> IC <b>ND</b> PN <b>ILE</b> EE <b>Y</b> LS <b>IT</b> GLSV <b>TQ</b> V <b>HC</b> W <b>FLY</b> LK <b>RHY</b> LSQ <b>PT</b> MV
Morchella_rufobrunnea_[QQL94651.1]	423	5.01e-46	VLLATK <b>KPNK</b> <b>TY</b> LE <b>CQ</b> N <b>P</b> WS <b>D</b> LL <b>E</b> K <b>I</b> FE <b>V</b> FP <b>D</b> NT <b>AE</b> EE <b>Y</b> MS <b>Y</b> AT <b>GM</b> NINQ <b>IN</b> T <b>S</b> CK <b>GS</b> <b>IN</b> LNS <b>VN</b> CLY
V_bohemica_No._20020	434	1.08e-45	GEKIVC <b>NRPL</b> <b>G</b> APT <b>NN</b> P <b>IR</b> SD <b>LL</b> EAV <b>FE</b> IC <b>ND</b> PN <b>ILE</b> EE <b>Y</b> LS <b>IT</b> GLSV <b>TQ</b> V <b>HC</b> W <b>LV</b> LY <b>KRHY</b> LSQ <b>PT</b> MT

Motif 5

Name ?	Start ?	p-value ?	Sites ?
Morchella_sp._Mes-6_[QQL94636.1]	342	8.58e-60	NFVIN <b>N</b> FGSG <b>PP</b> IL <b>PT</b> FL <b>VD</b> NN <b>MD</b> K <b>V</b> TQ <b>GCQ</b> <b>LL</b> KS <b>I</b> Y <b>SL</b> F <b>N</b> E <b>I</b> SS <b>AC</b> LD <b>IF</b> Q <b>RA</b> Y <b>W</b> LD <b>E</b> <b>RN</b> RCSY <b>TL</b> GA
Morchella_importuna_[AVI60817.1]	338	6.38e-57	HIIIN <b>R</b> FD <b>IE</b> <b>PP</b> IN <b>PM</b> FF <b>AN</b> NS <b>AD</b> KL <b>TQ</b> GC <b>Q</b> <b>LL</b> KS <b>I</b> Y <b>SL</b> F <b>N</b> E <b>I</b> SS <b>AC</b> LD <b>IF</b> Q <b>RA</b> H <b>W</b> LN <b>K</b> <b>RR</b> YD <b>Y</b> AL <b>K</b> AK
Morchella_sp._Mes-20_[AVI61143.1]	340	2.62e-55	NLVINN <b>F</b> GSG <b>PP</b> IL <b>PT</b> LL <b>VD</b> NN <b>MD</b> K <b>V</b> TQ <b>GCQ</b> <b>LL</b> KS <b>I</b> Y <b>SL</b> F <b>N</b> E <b>I</b> SS <b>AC</b> LD <b>IF</b> Q <b>RA</b> Y <b>W</b> LD <b>E</b> <b>RN</b> RY <b>S</b> Y <b>TL</b> GA
Morchella_sextelata_[QQL94615.1]	340	3.69e-54	HIIIN <b>H</b> FD <b>IE</b> <b>PP</b> IN <b>LF</b> FF <b>VN</b> NS <b>AD</b> KL <b>TQ</b> GC <b>L</b> <b>LL</b> KS <b>I</b> Y <b>N</b> LF <b>N</b> E <b>I</b> SS <b>AC</b> LD <b>IF</b> Q <b>RA</b> H <b>W</b> LN <b>K</b> <b>RR</b> YD <b>Y</b> AL <b>K</b> AK
Morchella_purpurascens_[QQL94643.1]	335	4.76e-54	HIIIN <b>H</b> FN <b>IE</b> <b>PR</b> IN <b>PM</b> FF <b>VN</b> IT <b>TD</b> KL <b>TQ</b> GC <b>Q</b> <b>LL</b> KS <b>I</b> Y <b>N</b> LF <b>N</b> E <b>I</b> SS <b>AC</b> LD <b>IF</b> Q <b>RA</b> H <b>W</b> LN <b>K</b> <b>RR</b> YD <b>Y</b> AL <b>K</b> AK
Morchella_sp._Mes-19_[QQL94629.1]	340	7.91e-54	NFVIN <b>N</b> FGSG <b>PP</b> IL <b>PT</b> FL <b>VD</b> NN <b>ID</b> K <b>V</b> TQ <b>GCQ</b> <b>R</b> LKS <b>I</b> Y <b>SL</b> F <b>N</b> E <b>I</b> SS <b>AC</b> LD <b>IF</b> Q <b>RA</b> Y <b>W</b> LD <b>E</b> <b>RN</b> RY <b>S</b> Y <b>TL</b> GA
Morchella_rufobrunnea_[QQL94651.1]	340	3.25e-46	PSHPIT <b>NISS</b> <b>RD</b> IP <b>LV</b> FP <b>VN</b> NS <b>MD</b> K <b>F</b> A <b>Q</b> GC <b>Q</b> Y <b>LL</b> KS <b>I</b> Y <b>N</b> LF <b>N</b> EV <b>SS</b> AC <b>LD</b> IL <b>Q</b> RA <b>H</b> W <b>LD</b> A <b>KN</b> KQ <b>Y</b> HT <b>S</b> KA
V_bohemica_No._21124	338	5.24e-42	AVDPPL <b>PESR</b> <b>SP</b> IS <b>FD</b> FL <b>VD</b> LE <b>ADR</b> ST <b>Q</b> IA <b>Q</b> SL <b>L</b> Q <b>K</b> IY <b>RL</b> FNT <b>TI</b> Y <b>R</b> CL <b>Q</b> VT <b>Q</b> GA <b>H</b> W <b>LS</b> M <b>RE</b> Q <b>Y</b> EY <b>AV</b> RA
V_bohemica_No._20020	338	5.24e-42	AVDPPL <b>PESR</b> <b>SP</b> IS <b>FD</b> FL <b>VD</b> LE <b>ADR</b> ST <b>Q</b> IA <b>Q</b> SL <b>L</b> Q <b>K</b> IY <b>RL</b> FNT <b>TI</b> Y <b>R</b> CL <b>Q</b> VT <b>Q</b> GA <b>H</b> W <b>LS</b> M <b>RE</b> Q <b>Y</b> EY <b>AV</b> RA
V_conica_No._21110	336	7.41e-42	TVDPPL <b>PRNR</b> <b>SP</b> IFF <b>N</b> LF <b>VN</b> MG <b>AD</b> GV <b>TQ</b> ET <b>Q</b> N <b>LL</b> KK <b>I</b> Y <b>N</b> LF <b>N</b> MT <b>AY</b> R <b>C</b> LE <b>VI</b> Q <b>RA</b> H <b>W</b> V <b>N</b> M <b>E</b> Q <b>Y</b> EY <b>AV</b> RA



# Motif 6

Name ?	Start ?	p-value ?	Sites ?
Morchella_sp._Mes-19_[QQL94629.1]	13	1.23e-36	QPYLPYKDH F ILNDQRREAILRLGRVLIQTKNDLTFFPRTP YSFKIRKAI I
Morchella_crassipes_[AVI60838.1]	13	1.23e-36	QPYLPYKDH F ILNDQRREAILRLGRVLIQTKNDLTFFPRTP YSFKIRKAI I
Morchella_sp._Mes-6_[QQL94636.1]	13	1.23e-36	QPYLSYEDH F ILNDQRREAILRLGRVLIQTKNDLTFFPRTP YSFKIRKAI R
Morchella_sp._Mes-20_[AVI61143.1]	13	1.23e-36	QPYLSYKDH F ILNDQRREAILRLGRVLIQTKNDLTFFPRTP YSFKIRKAI I
Morchella_sextelata_[QQL94615.1]	13	3.74e-34	QPYLSYDDH F LLNHERREAILRLGQTLIQTKNDLAFFFRTP YNPKIRKAMV
Morchella_purpurascens_[QQL94643.1]	13	6.94e-33	QPYLSYHDF LLDHERREAILRLGQTLIQMKNDLVFFPRTP YNPKIRKVMV
Morchella_importuna_[AVI60817.1]	13	1.26e-32	QPYLSYDDH F LLNHERREAILRLGQTLIQTKNDLTFFPRTA YNLKIRKAMV
V._bohemica_No._21108	11	1.83e-31	MTEYLAYHDN RRDDPRRESLLRLGHALIKVKNDLAFFFSTR LDPNIRKVLV
V._bohemica_No._21124	11	1.83e-31	MTEYLAYHDN RRDDPRRESLLRLGHALIKVKNDLAFFFSTR LDPNIRKVLV
V._bohemica_No._20020	11	1.83e-31	MTEYLAYHDN RRDDPRRESLLRLGHALIKVKNDLAFFFSTR LDPNIRKVLV
Morchella_rufobrunnea_[QQL94651.1]	13	4.59e-31	QTYLSYKDH F ILNNERREAVLRILGRILIQTKNELAFFFRTP YNSKIRRVMI
V._conica_No._21110	12	3.37e-30	AEAYLVCHDN RRDDSRREALRLGHALIKVKNDLAFFFPSKR LDSQIRDVLV

# Motif 7

Name ?	Start ?	p-value ?	Sites ?
Morchella_sp._Mes-20_[AVI61143.1]	289	2.07e-48	SSKRSFKTDI HIQTRGSNGDDDPWEIPLSRMIAEFLDELGDAPHELDPPS NLVINNFSGS
Morchella_sp._Mes-6_[QQL94636.1]	291	7.69e-46	SSKRSFKTDI HIQTRGSNGDDDPWEIPLSRMIAEFLDELGDAPHELDPPS NFINNFSGS
Morchella_crassipes_[AVI60838.1]	289	4.83e-45	SSKRSFKTDI HIQARGSNNGDDDPWEIPLSRMIAEFLDELGDAPHELDPPS NFINNFSGS
Morchella_sextelata_[QQL94615.1]	290	5.60e-45	LSSKSLKIDH HVQDKSDNGDGDPEWEIPLSRMIAEFLDELGDAPHELDPPS I IINHFDIEP
Morchella_sp._Mes-19_[QQL94629.1]	289	2.54e-43	SSKRSFKTDI YIQARGSNNGDDDPWEIPLSRMIAEFLDELGDAPHELDPPS NFINNFSGS
Morchella_importuna_[AVI60817.1]	288	2.89e-43	LSSKPLKIDH HVQDKSDNGDGDPEWEIPLSRMIAEFLDELGDAPHELDPPS I IINRFDIEP
Morchella_purpurascens_[QQL94643.1]	285	3.10e-41	ALSKPSKIDC HVQDKSDNGDGDPEWEIPLSRMIAEFLDELGDAPHELDPPS I IINHFNIEP
Morchella_rufobrunnea_[QQL94651.1]	291	3.15e-40	SKIPSKIETR GDDTDGNDGDPEWEIPLSRMIAEFLDELGDAPHELDPPS HPITNISSRD
V._bohemica_No._21124	285	7.66e-35	NLITSDKKPP PSYVPMDDSNYEFHYNIPLTQLIAEFLDELGEVPSKLLPLK HLAVDPLPE
V._bohemica_No._20020	285	7.66e-35	NLITSDKKPP PSYVPMDDSNYEFHYNIPLTQLIAEFLDELGEVPSKLLPLK HLAVDPLPE
V._bohemica_No._21108	285	8.35e-35	NLITSDKKPP PSYVPMDDSNYEFHYNIPLTQLIAEFLDELGEVPSKLLPLK HLAVDPLPE
V._conica_No._21110	284	1.14e-26	ASKVPFKHSA QKLTMPKNKGDEPHYDIPLTELILELLGELGEMPKLILK H STVDPLPRN

# Motif 8

Name ?	Start ?	p-value ?	Sites ?
Morchella_crassipes_[AVI60838.1]	201	5.56e-32	QVRRTSKTTR SRIISNAVSLPKVALNICSDWYNRGSNA LYTKIRRNDI
Morchella_sp._Mes-20_[AVI61143.1]	201	5.56e-32	QIRRTSKTTR SRIISNAVSLPKVALNICSDWYNRGSNA LYTKIRRNEI
Morchella_importuna_[AVI60817.1]	201	7.76e-32	QIQRTSNNGI NHVITNAVSLPQIAIVICSDWYNKYKSYA SCTGIHQNTI
Morchella_sp._Mes-19_[QQL94629.1]	201	2.77e-31	QIRRMSTKTR SRIISNAVSLPKVALNICSDWYNRGSHT LYTKIRRNDI
Morchella_sextelata_[QQL94615.1]	201	2.48e-30	QIQRTSNNGI NHVITDAVSLPQIAIVICSDWYNKYKSHA PCTVNEIHQN
Morchella_sp._Mes-6_[QQL94636.1]	203	1.53e-28	RRTSKTTRSR IIMISNAVSLQKVALNICSDWYNRGSNA LYTKIRRNDI
V._bohemica_No._21108	198	1.26e-26	EALGASNTKD KYVVS DAVTSLQTTFIARDWYKNHLSM STEKEIRQE
V._bohemica_No._21124	198	1.55e-26	EALGTSNTKD KYVVS DAVTSLKTTTFIARDWYKNHLSM SAEKQIRQE
V._bohemica_No._20020	198	1.55e-26	EALGTSNTKD KYVVS DAVTSLKTTTFIARDWYKNHLSM SAEKQIRQE
Morchella_rufobrunnea_[QQL94651.1]	200	6.03e-26	IQIQRILMRR NYIISDPVSLPQIVLTLCSWYNHRKDH SRI FNDPHQN
Morchella_purpurascens_[QQL94643.1]	201	2.24e-25	HIQRTSNNGI NHVITNVVPLPQIAISICSSWYNKYKSYT SCTVNNTIST
V._conica_No._21110	198	4.93e-22	ELDSASGPKN NRVVSSAIIPPQTVIHIAKDWYKSYKSSI SVAEKACCHS

# Motif 9

Name ?	Start ?	p-value ?	Sites ?
Morchella_sp._Mes-6_[QQL94636.1]	170	2.05e-33	AAKAAQNSRL LTEAANTISILRAAFSIQNELQIRRTSKT TRSRIIMISN
Morchella_sp._Mes-20_[AVI61143.1]	170	5.45e-32	AAKAAQNSRL LTEAANTISILRAAFSIQNELQIRRTSKT TRSRIISNAV
Morchella_sp._Mes-19_[QQL94629.1]	170	3.30e-31	AAKAAQDSRL LTEAANTISILRAAFSIQNELQIRRMSTK TRSRIISNAV
Morchella_crassipes_[AVI60838.1]	170	3.30e-31	AAKAAQNSRL LTEAANTISILRAAFSIQNELQVRRTSKT TRSRIISNAV
Morchella_sextelata_[QQL94615.1]	170	1.77e-29	AATAANDSGS LIEDSHAISILQAAFTIQTGLQIRTSNS GINHVITDAV
Morchella_importuna_[AVI60817.1]	170	1.98e-29	AAIAAKDSGS LIEDSHAISILQAAFTIQTGLQIRTSNS GINHVITNAV
V._bohemica_No._21124	167	7.68e-28	AVQIAKHSEF LADASHSVSILQAAFSIQSGLEALGTSNT KDKYVVS DAV
V._bohemica_No._20020	167	7.68e-28	AVQIAKHSEF LADASHSVSILQAAFSIQSGLEALGTSNT KDKYVVS DAV
V._bohemica_No._21108	167	2.62e-27	AVQIAKHSEF LADASHTVSILQAAFSIQSGLEALGASNT KDKYVVS DAV
Morchella_purpurascens_[QQL94643.1]	170	7.74e-26	AAIAAKNSGS PIEDSHAISILQAAFTIQTALHIQRTSNS GINHVITNVV
Morchella_rufobrunnea_[QQL94651.1]	170	3.37e-24	AAEAAKGSIF TTEATNTISILRAAFVQNEIQIQRILMRR RNYIISDPVS
V._conica_No._21110	169	8.81e-21	AVQVAKHSEF LTESANTISILAAALSQNELDSASGPKN NRVVSSAIIPP



# Motif 10

Name ?	Start ?	p-value ?	Sites ?
Morchella_sp._Mes-19_[QQL94629.1]	393	3.91e-34	RAYWLDERNR <b>YSYTLGAKRDM</b> YNCLRAISVLLAT <b>REPN</b> ETYFEWQNHS
Morchella_purpurascens_[QQL94643.1]	387	1.27e-32	QRAHWLNKRR <b>YDYALKAKRD</b> IDDNCLRAITILLAT <b>RGPN</b> QNYFEWKRRHS
Morchella_importuna_[AVI60817.1]	390	5.42e-32	QRAHWLNKRR <b>YDYALKAKRD</b> IDDNCLRAITILLAT <b>RGPN</b> QDHFERKRRHS
Morchella_sp._Mes-6_[QQL94636.1]	395	1.74e-31	RAYWLDERNR <b>CSYTLGAKRDM</b> YNCLRAISVLLAT <b>REFN</b> ETYFEWQNHS
Morchella_sextelata_[QQL94615.1]	392	1.74e-31	QRAHWLNKRR <b>YDYALKAKRD</b> IDDNCLRAITILLAT <b>RGAN</b> QNHFEWKRRHS
Morchella_sp._Mes-20_[AVI61143.1]	393	2.52e-31	RAYWLDERNR <b>YSYTLGAKRDM</b> YNCLRAISVLL <b>GTRESN</b> ETYFEWQNHS
V._conica_No._21110	389	8.00e-27	RAHWVNMEKQ <b>YFYAVRAKKE</b> IDKNYLRAAGIALAT <b>RRLN</b> TVHFEEIIVC
V._bohemica_No._21124	391	2.10e-26	GAHWLSMREQ <b>YFYAVRATRE</b> IEKNYLRAVGTALAT <b>RRLN</b> PAYFGEKIVC
V._bohemica_No._20020	391	2.10e-26	GAHWLSMREQ <b>YFYAVRATRE</b> IEKNYLRAVGTALAT <b>RRLN</b> PAYFGEKIVC
Morchella_rufobrunnea_[QQL94651.1]	393	4.59e-23	RAHWLDAKNK <b>QYHTSKAKID</b> MDRSCLRAINVLLAT <b>KKPN</b> KTYLEQCQNH

# Motif 11

Name ?	Start ?	p-value ?	Sites ?
Morchella_sp._Mes-19_[QQL94629.1]	102	1.71e-18	LALREVNIRL <b>ERDIEKWN</b> CGLK <b>TLQ</b> GSLPGDSCDV
Morchella_crassipes_[AVI60838.1]	102	1.71e-18	LALREVNIRL <b>ERDIEKWN</b> CGLK <b>TLQ</b> SSLPEDSCDV
Morchella_sp._Mes-6_[QQL94636.1]	102	1.71e-18	LALREVNIRL <b>ERDIEKWN</b> CGLK <b>TLQ</b> GSLPEDSCDV
Morchella_sp._Mes-20_[AVI61143.1]	102	1.71e-18	LALREVNIRL <b>ERDIEKWN</b> CGLK <b>TLQ</b> GSLPEDSCDV
V._bohemica_No._21124	100	3.09e-15	MALLEIQDVL <b>YTQLCQWKQ</b> DVGAVQ ASFPTGSDIG
V._bohemica_No._20020	100	3.09e-15	MALLEIQDVL <b>YTQLCQWKQ</b> DVGAVQ ASFPTGSDIG
Morchella_sextelata_[QQL94615.1]	102	3.86e-15	LALREVNIRL <b>EKDI</b> IKWDHSLK <b>ALQ</b> DSLPEYSEDV
Morchella_importuna_[AVI60817.1]	102	4.31e-15	LALREVNIRL <b>EKDI</b> IKWDHSLK <b>TLQ</b> DSLPEHSEDV
Morchella_rufobrunnea_[QQL94651.1]	102	6.66e-15	LALREVNIRL <b>ERDI</b> KRWNCRLK <b>ALQ</b> DSFPENSSDV
Morchella_purpurascens_[QQL94643.1]	102	1.69e-14	LALREVNIRL <b>EKDI</b> IKWDRNLK <b>ALQ</b> DSLPEYSEDV
V._bohemica_No._21108	100	1.69e-14	MALLEIQNVL <b>YTQLCQWKQ</b> DVGAVQ TSFPTGSDIG
V._conica_No._21110	101	2.28e-12	LALQEIQNRF <b>FTELDQWKY</b> DVEAVQ ASSPGGSDDI

# Motif 12

Name ?	Start ?	p-value ?	Sites ?
Morchella_sp._Mes-20_[AVI61143.1]	1	1.57e-15	<b>MPQP</b> YLSY <b>KDH</b> FILNDQRREA
Morchella_importuna_[AVI60817.1]	1	6.45e-15	<b>MPQP</b> YLSY <b>DDH</b> FLLNHERREA
Morchella_sp._Mes-19_[QQL94629.1]	1	8.04e-15	<b>MPQP</b> YLPY <b>KDH</b> FILNDQRREA
Morchella_crassipes_[AVI60838.1]	1	8.04e-15	<b>MPQP</b> YLPY <b>KDH</b> FILNDQRREA
Morchella_sp._Mes-6_[QQL94636.1]	1	9.45e-15	<b>MPQP</b> YLSY <b>EDH</b> FILNDQRREA
Morchella_sextelata_[QQL94615.1]	1	4.32e-14	<b>MSQP</b> YLSY <b>DDH</b> FLLNHERREA
Morchella_rufobrunnea_[QQL94651.1]	1	1.36e-13	<b>MPQT</b> YLSY <b>KDH</b> FILNNERREA
Morchella_purpurascens_[QQL94643.1]	1	1.36e-13	<b>MPQQ</b> YLSY <b>DDH</b> FLLDHERREA
V._bohemica_No._21124	487	2.07e-10	HCWFLYKRHY <b>LSQP</b> TMVDV <b>DE</b> I
V._bohemica_No._20020	488	2.07e-10	CWLVLVYKRHY <b>LSQP</b> TMVDV <b>DE</b> I
V._bohemica_No._21108	432	5.37e-10	HCWFLYKRHY <b>LSQP</b> TMADV <b>DE</b> I
V._conica_No._21110	1	6.62e-9	<b>MAEAY</b> LV <b>CHDN</b> RRDDSRREAL

# Motif 13

Name ?	Start ?	p-value ?	Sites ?
Morchella_sp._Mes-19_[QQL94629.1]	332	4.85e-11	PHELDPPSNF <b>VINN</b> F <b>GSG</b> PPILPTFLVD
Morchella_crassipes_[AVI60838.1]	332	4.85e-11	PHELDPPSNF <b>VINN</b> F <b>GSG</b> PPILPTFLVD
Morchella_sp._Mes-6_[QQL94636.1]	334	4.85e-11	PHELDPPSNF <b>VINN</b> F <b>GSG</b> PPILPTFLVD
Morchella_sp._Mes-20_[AVI61143.1]	332	4.85e-11	PHELDPPSNL <b>VINN</b> F <b>GSG</b> PPILPTLLVD

# Motif 14

Name ?	Start ?	p-value ?	Sites ?
V._bohemica_No._21124	422	1.86e-15	ALATRRLNPA <b>YFGE</b> KIVCN <b>RNP</b> LGAPTNNNP I
V._bohemica_No._20020	422	1.86e-15	ALATRRLNPA <b>YFGE</b> KIVCN <b>RNP</b> LGAPTNNNP I
V._bohemica_No._21108	367	1.40e-14	ALATRRLNPA <b>YFGE</b> NVVCN <b>RNP</b> LGAPTNNNP I



Motif 15

Name ?	Start ?	p-value ?	Sites ?
V._bohemica_No._21108	1	1.09e-11	MTEYLAYH DNRRDDPRRE
V._bohemica_No._21124	1	1.09e-11	MTEYLAYH DNRRDDPRRE
V._bohemica_No._20020	1	1.09e-11	MTEYLAYH DNRRDDPRRE
V._conica_No._21110	459	2.81e-8	FEICNDPNML EEEYLAYV TGLSFFINAI

Motif 16

Name ?	Start ?	p-value ?	Sites ?
V._bohemica_No._21108	328	5.95e-13	PKSLLPLKHL AVDPPLPESR SPISFDFLVN
V._bohemica_No._21124	328	5.95e-13	PKSLLPLKHL AVDPPLPESR SPISFDFLVD
V._bohemica_No._20020	328	5.95e-13	PKSLLPLKHL AVDPPLPESR SPISFDFLVD
V._conica_No._21110	326	2.25e-10	MPKLILLKHS TVDPPLPRNR SPIFFNLFVN

Motif 17

Name ?	Start ?	p-value ?	Sites ?
Morchella_sp._Mes-19_[QQL94629.1]	282	3.03e-8	AIVDEALSSK RSFKTD IYIQARGSNG
Morchella_crassipes_[AVI60838.1]	282	3.03e-8	AIVDEALSSK RSFKTD IHIQARGSNG
Morchella_sp._Mes-6_[QQL94636.1]	284	3.03e-8	AIVDEALSSK RSFKTD IHIQTRGSNG
Morchella_sp._Mes-20_[AVI61143.1]	282	3.03e-8	AIVDEALSSK RSFKTD IHIQTRGSNG