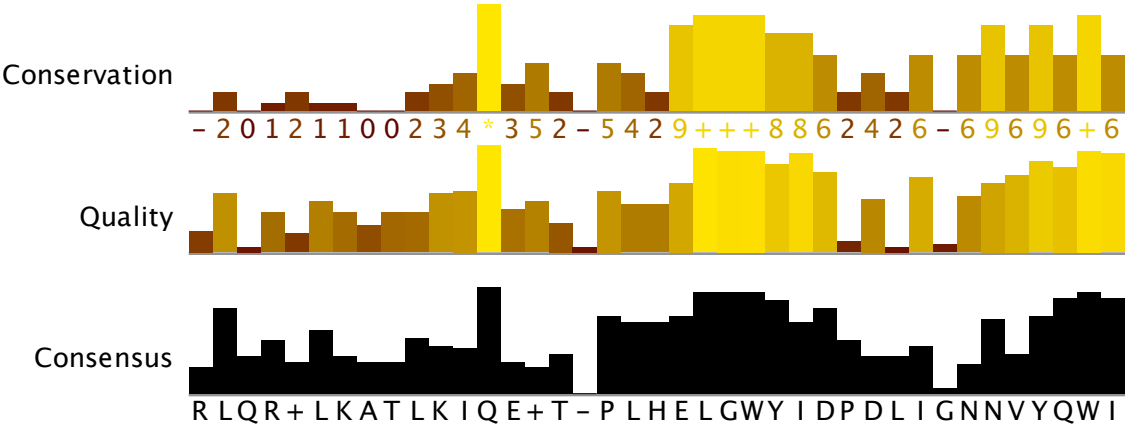
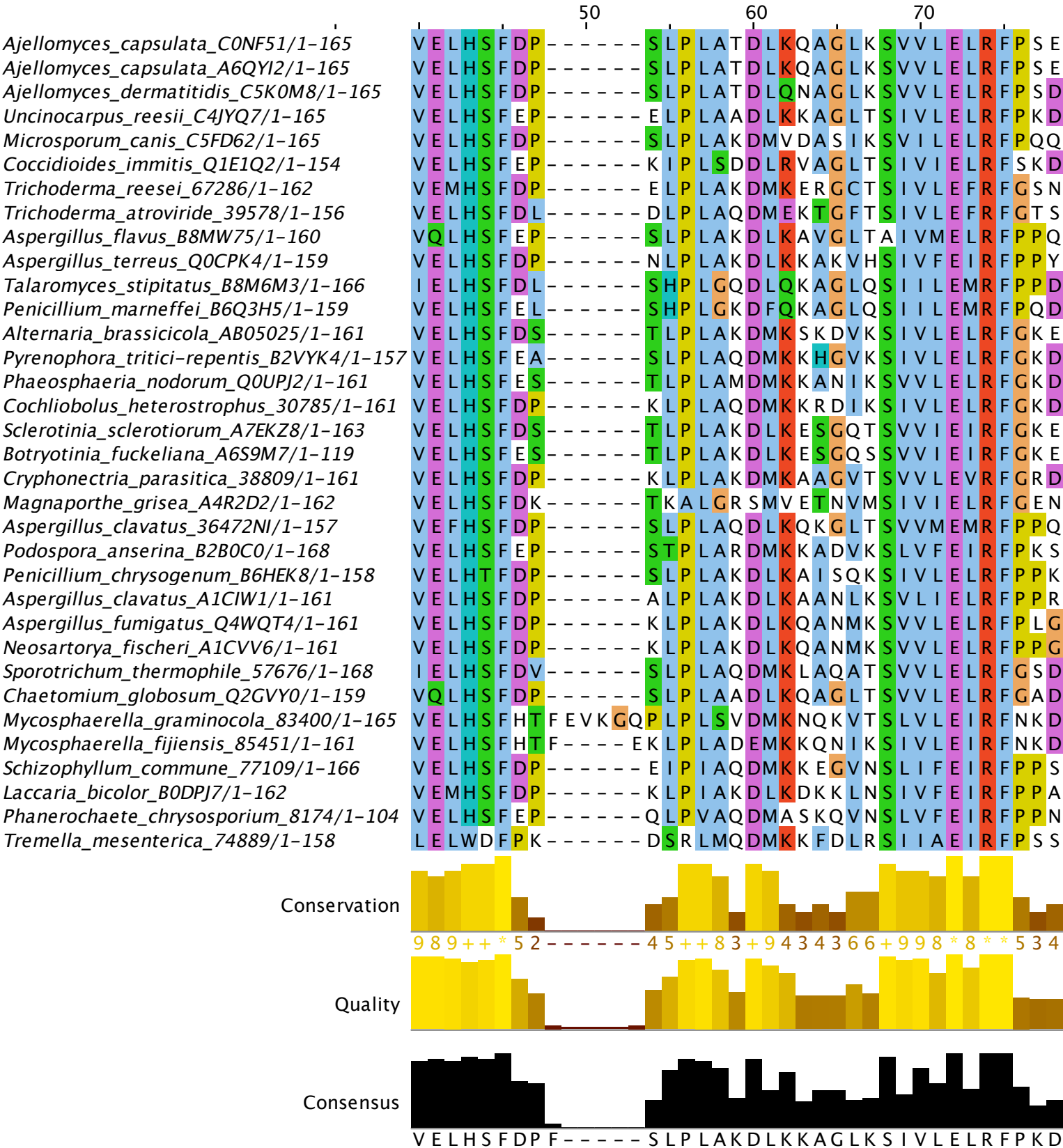
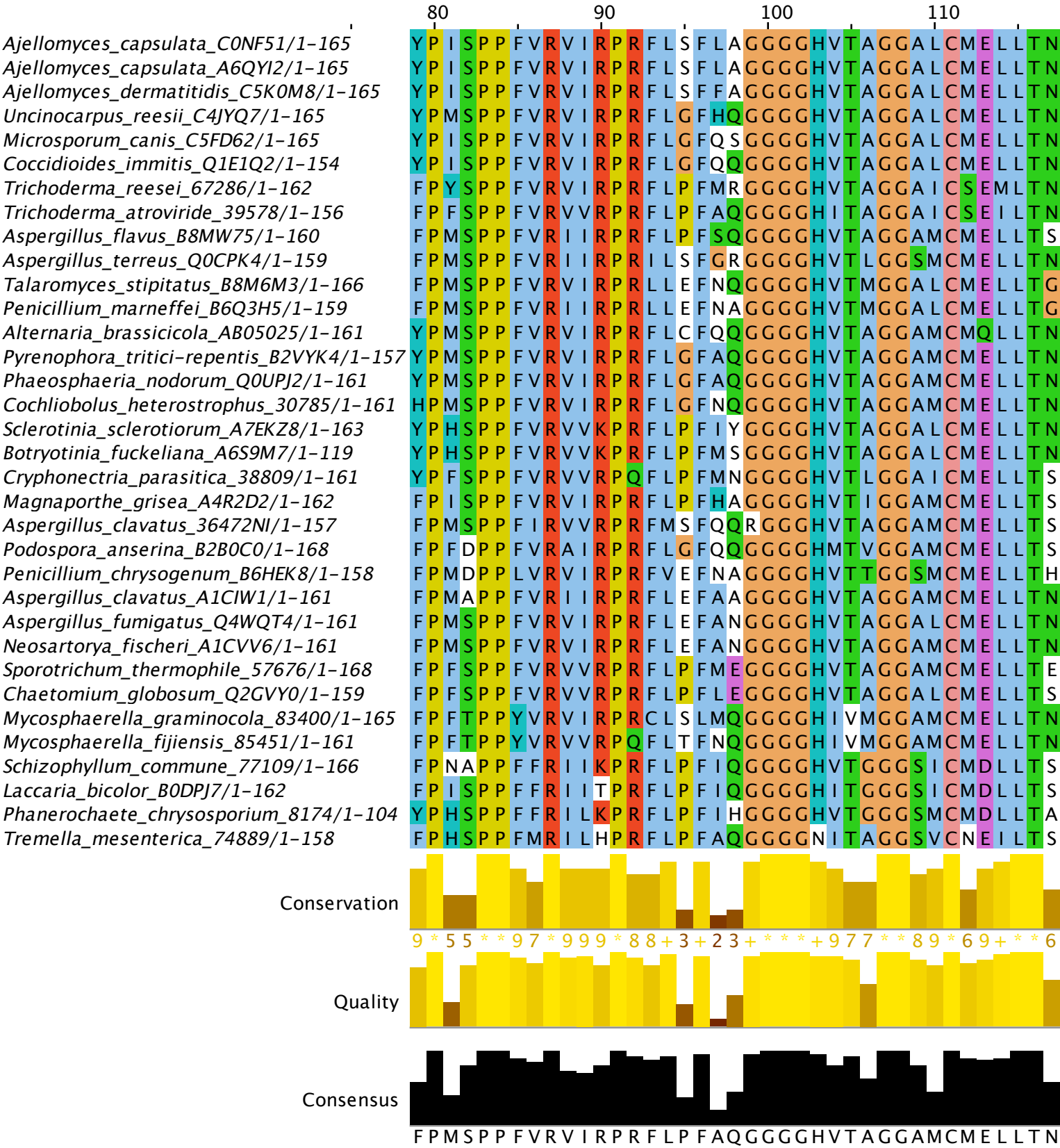


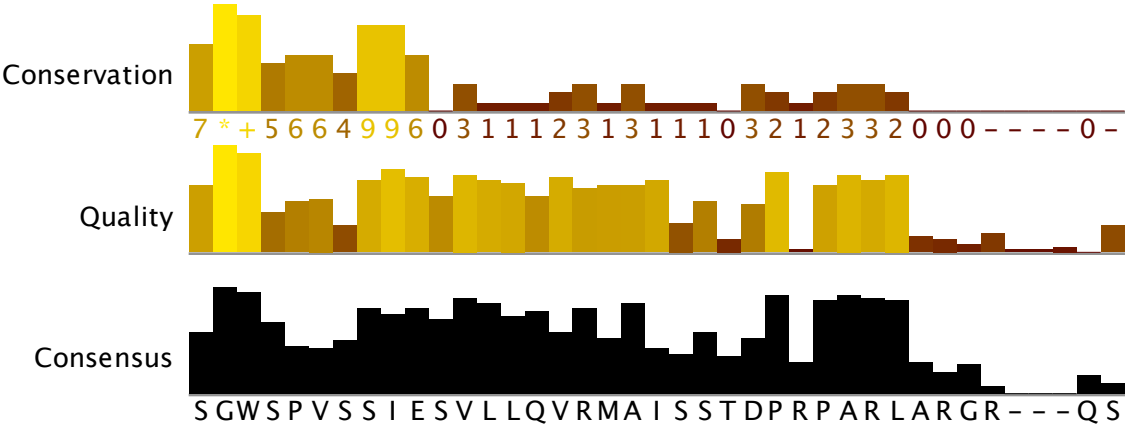
		10	20	30	
<i>Ajellomyces capsulata_CONF51/1-165</i>	-	L L R D F K T T L Q T Q D T H -	P L H E L G W Y V D P S I T -	S T I Y Q W I	
<i>Ajellomyces capsulata_A6QYI2/1-165</i>	-	L L R D F K T T L Q T Q D T H -	P L H E L G W Y V D P S I T -	S T I Y Q W I	
<i>Ajellomyces dermatitidis_C5K0M8/1-165</i>	-	L L R D L N T T L K T Q E T Q -	P L H E L G W Y V D P S I T -	S T V Y Q W I	
<i>Uncinocarpus reesii_C4JYQ7/1-165</i>	-	L Q R D L R T A L Q I Q E K T -	P L H E L G W Y I E P E F I -	N T I Y Q W I	
<i>Microsporum canis_C5FD62/1-165</i>	-	L Q R D L R A A L R I Q D N E -	P P A D L G W Y I D P S L V -	N N V Y Q W I	
<i>Coccidioides immitis_Q1E1Q2/1-154</i>	A	L Q R D L R T T L Q I Q E N T -	P L H E L G W Y I D P N L I -	N T V Y Q W I	
<i>Trichoderma reesei_67286/1-162</i>	- - -	R A I K E L H D I Q S K E -	D L A S L G W Y I N F D K L -	D N V F H W T	
<i>Trichoderma atroviride_39578/1-156</i>	- - -	- - - K E M H Q I Q S S E -	D I A C L G W Y I D F N N L -	N N V F H W I	
<i>Aspergillus flavus_B8MW75/1-160</i>	-	L Q R H L Q A T L K V Q E R E -	P L H A L G W Y I D P A L V -	N N V Y Q W I	
<i>Aspergillus terreus_Q0CPK4/1-159</i>	-	L H K R L Q E T L K V Q K R E -	P L H E L G W Y I D P S L V -	N N V Y Q W I	
<i>Talaromyces stipitatus_B8M6M3/1-166</i>	-	L Q K R L L Q A L K A Q D Q T -	P P D E L G W Y I N P Q L I -	N N P Y Q W I	
<i>Penicillium marneffeii_B6Q3H5/1-159</i>	- - - - -	- - - L K V Q E Q T -	P P D E L G W Y I D P Q L I -	N N P Y Q W I	
<i>Alternaria brassicicola_AB05025/1-161</i>	R	L M K D F K D I I E I Q N K E -	P S H E L G W H I D E D K M -	D N I Y Q W I	
<i>Pyrenophora tritici-repentis_B2VYK4/1-157</i>	R	L M K D F K D L I Q I Q N K E -	P L H E L G W H I D E D R V -	E N I Y Q W I	
<i>Phaeosphaeria nodorum_Q0UPJ2/1-161</i>	R	L M K D F K D L I T V Q K S T -	P P H E L G W H I D E E K M -	E N M Y Q W I	
<i>Cochliobolus heterostrophus_30785/1-161</i>	R	L M K D F R D I I S I Q N R E -	P L H E L G W H I D E D K I -	E N I Y Q W I	
<i>Sclerotinia sclerotiorum_A7EKZ8/1-163</i>	R	L N R E L Q T I L K I Q K S T -	P L H E L G W Y I D E A L V -	D N I Y Q W I	
<i>Botryotinia fuckeliana_A6S9M7/1-119</i>	R	L N R E L Q A I L K I Q N S T -	P L H E L G W Y I D E N L V -	D N I Y Q W I	
<i>Cryphonectria parasitica_38809/1-161</i>	R	L A T D I K Q M Q K I Q A S T -	P L H E L G W Y I D F E N V -	E N M F Q W I	
<i>Magnaporthe grisea_A4R2D2/1-162</i>	H	L A R E I S A L R K I Q E A S -	P S H E L G W Y I D F D G M -	S N M F Q M I	
<i>Aspergillus clavatus_36472NI/1-157</i>	-	L Q R H L K A T L R I Q D R E -	P L H E I G W Y V D P T L I -	N N V Y Q W I	
<i>Podospora anserina_B2B0C0/1-168</i>	A	L S R E L K S L Q V L Q T R T -	P L H E L G W Y I D F D R I -	E N L F Q W I	
<i>Penicillium chrysogenum_B6HEK8/1-158</i>	-	L Q Q H L Q A T I K I Q E R V -	P L H E L G W Y V D P N L I -	T T V Y Q W I	
<i>Aspergillus clavatus_A1CIW1/1-161</i>	-	L Q Q H L Q A T L K V Q A R E -	N I H D L G W Y I D P D L I -	N T V Y Q W V	
<i>Aspergillus fumigatus_Q4WQT4/1-161</i>	-	L Q Q H L Q A T L K V Q A R E -	S L H D L G W Y I D P D F I -	T T V Y Q W I	
<i>Neosartorya fischeri_A1CVV6/1-161</i>	-	L Q Q H L Q A T L K V Q G R E -	P L H D L G W Y I D P D F I -	T T V Y Q W I	
<i>Sporotrichum thermophile_57676/1-168</i>	-	L S R E L R D L Q A L Q A K T -	P L H E L G W Y V D F D N V -	S N L Y Q W I	
<i>Chaetomium globosum_Q2GVY0/1-159</i>	T	L S R E L M R M Q A V Q S S T -	P L H D L G W Y I D F D N I -	S N M F Q W I	
<i>Mycosphaerella graminicola_83400/1-165</i>	R	L M K E L Q S L A K I Q S T T -	P A A E L G W Y I D V E Q I -	E N V Y Q W I	
<i>Mycosphaerella fijiensis_85451/1-161</i>	R	L M K E L Q N L A K V Q E S T -	S P A E L G W Y I D V E K I -	D N A Y Q W I	
<i>Schizophyllum commune_77109/1-166</i>	A	V Q R E L R A M L K E Q E K A G	S L S E L G W Y M P P D C I S D N I F Q W I		
<i>Laccaria bicolor_B0DPJ7/1-162</i>	-	V Q R E L K A M L D E Q E M A P	C L R E L G W Y M P P N L V G D N L F Q W I		
<i>Phanerochaete chrysosporium_8174/1-104</i>	- - - - -	- - - E Q Q R S R -	S L R E L G W Y V P E E F I G D N L F Q W I		
<i>Tremella mesenterica_74889/1-158</i>	-	L S K E F K T L V R Q Q E S - -	G E N L P F Y L D R E G - -	D S L Y C W T	







	120										130										140										150									
<i>Ajellomyces capsulata_CONF51/1-165</i>	S	G	W	S	A	A	S	S	I	E	S	V	L	L	Q	V	R	M	A	I	S	S	T	E	P	Q	Y	P	A	R	L	V	R	G	-	-	-	-	Q	S
<i>Ajellomyces capsulata_A6QYI2/1-165</i>	S	G	W	S	A	A	S	S	I	E	S	V	L	L	Q	V	R	M	A	I	S	S	K	E	P	Q	Y	P	A	R	L	V	R	G	-	-	-	-	Q	S
<i>Ajellomyces dermatitidis_C5K0M8/1-165</i>	S	G	W	S	A	V	S	S	I	E	S	V	L	L	Q	V	R	M	A	I	S	S	T	E	P	H	P	A	R	L	A	G	G	-	-	-	-	Q	T	
<i>Uncinocarpus reesii_C4JYQ7/1-165</i>	S	G	W	S	A	V	S	S	I	E	S	V	L	L	Q	V	R	L	A	M	S	S	T	D	P	W	P	A	R	L	Q	A	G	-	-	-	-	Q	S	
<i>Microsporum canis_C5FD62/1-165</i>	S	G	W	S	A	V	S	S	I	E	S	V	L	L	Q	V	R	I	A	I	S	S	T	D	P	R	P	A	R	L	A	P	G	-	-	-	-	Q	N	
<i>Coccidioides immitis_Q1E1Q2/1-154</i>	S	G	W	S	A	V	S	S	I	E	S	V	L	L	Q	V	R	L	A	L	S	S	T	D	P	R	P	A	R	L	Q	R	G	-	-	-	-	Q	N	
<i>Trichoderma reesei_67286/1-162</i>	S	G	W	S	A	V	M	T	I	E	K	V	L	L	Q	I	R	L	G	L	T	E	M	D	P	-	P	A	R	L	D	S	M	-	-	-	-	G	G	
<i>Trichoderma atroviride_39578/1-156</i>	S	G	W	S	A	V	M	S	I	E	K	V	L	I	Q	I	R	L	G	L	T	E	S	D	P	-	P	A	R	L	E	M	T	-	-	-	-	N	V	
<i>Aspergillus flavus_B8MW75/1-160</i>	S	G	W	S	P	V	S	S	I	E	S	V	L	L	Q	V	R	M	A	L	T	S	T	D	P	V	P	A	R	L	E	Q	R	-	-	-	-	R	-	
<i>Aspergillus terreus_Q0CPK4/1-159</i>	S	G	W	S	A	A	C	S	M	E	S	V	L	L	Q	V	R	L	A	L	S	N	T	E	P	Q	P	A	R	L	D	Q	S	-	-	-	-	T	-	
<i>Talaromyces stipitatus_B8M6M3/1-166</i>	S	G	W	L	P	T	F	S	I	E	N	V	L	L	S	I	R	L	A	L	C	S	I	D	P	K	P	A	R	L	A	S	T	-	-	-	-	S	S	
<i>Penicillium marneffeii_B6Q3H5/1-159</i>	S	G	W	L	P	T	F	S	I	E	N	V	L	L	S	I	R	L	A	L	C	S	I	D	P	K	P	A	R	L	A	A	G	-	-	-	-	R	G	
<i>Alternaria brassicicola_AB05025/1-161</i>	D	G	W	S	A	V	S	S	I	E	S	V	L	L	Q	V	R	M	A	I	S	S	L	D	P	K	P	A	R	L	Q	A	G	-	-	-	-	A	-	
<i>Pyrenophora tritici-repentis_B2VYK4/1-157</i>	D	G	W	S	A	V	S	S	I	E	S	V	L	L	Q	V	R	M	A	I	S	S	R	D	P	K	P	A	R	L	Q	S	G	-	-	-	-	S	-	
<i>Phaeosphaeria nodorum_Q0UPJ2/1-161</i>	D	G	W	S	A	A	S	S	I	E	S	V	L	L	Q	V	R	M	A	I	S	S	L	D	P	K	P	A	R	L	E	N	H	-	-	-	-	G	-	
<i>Cochliobolus heterostrophus_30785/1-161</i>	D	G	W	S	A	V	S	S	I	E	S	V	L	L	Q	V	R	M	A	I	C	S	V	D	P	K	P	A	R	L	A	P	G	-	-	-	-	G	-	
<i>Sclerotinia sclerotiorum_A7EKZ8/1-163</i>	T	G	W	S	A	V	S	S	I	E	S	V	L	L	Q	V	R	L	A	L	M	S	T	E	P	K	P	A	R	L	E	R	R	-	-	-	-	G	K	
<i>Botryotinia fuckeliana_A6S9M7/1-119</i>	S	G	W	S	A	V	S	S	I	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Cryphonectria parasitica_38809/1-161</i>	N	G	W	L	P	A	T	T	M	D	S	V	F	L	S	I	K	M	A	I	S	S	T	E	P	R	P	A	R	L	N	S	S	-	-	-	-	A	-	
<i>Magnaporthe grisea_A4R2D2/1-162</i>	N	G	W	S	P	A	C	R	I	E	H	V	L	I	M	A	R	L	A	L	V	S	E	D	P	K	P	A	Q	I	E	G	V	-	-	-	-	G	-	
<i>Aspergillus clavatus_36472NI/1-157</i>	S	G	W	L	P	T	S	S	I	D	S	V	F	L	Q	V	R	M	A	L	C	S	T	E	P	W	P	A	R	I	E	R	-	-	-	-	-	-		
<i>Podospora anserina_B2B0C0/1-168</i>	T	G	W	S	P	V	S	S	M	E	S	V	L	M	Q	I	R	M	A	L	L	S	E	D	P	R	P	A	R	L	A	P	V	V	K	G	Q	R		
<i>Penicillium chrysogenum_B6HEK8/1-158</i>	S	G	W	L	P	T	A	S	I	E	S	V	L	L	Q	V	R	M	A	L	T	N	Q	D	P	R	P	A	R	L	N	R	D	R	-	-	-	A	-	
<i>Aspergillus clavatus_A1CIW1/1-161</i>	S	G	W	L	P	T	A	S	I	E	S	V	L	L	Q	V	R	M	A	L	T	N	T	D	P	R	P	A	R	L	A	G	T	H	-	-	-	S	-	
<i>Aspergillus fumigatus_Q4WQT4/1-161</i>	S	G	W	L	P	T	A	S	I	E	S	V	L	L	Q	V	R	M	A	I	T	N	P	E	P	R	P	A	R	L	A	L	N	R	-	-	-	S	-	
<i>Neosartorya fischeri_A1CVV6/1-161</i>	S	G	W	L	P	T	A	S	I	E	S	V	L	L	Q	V	R	M	A	I	T	N	T	E	P	R	P	A	R	L	A	L	N	R	-	-	-	S	-	
<i>Sporotrichum thermophile_57676/1-168</i>	S	G	W	S	P	A	N	S	M	E	S	V	L	L	Q	V	R	M	A	L	C	N	L	E	P	R	P	A	R	L	D	P	R	-	-	-	-	L	L	
<i>Chaetomium globosum_Q2GVY0/1-159</i>	S	G	W	S	P	A	N	S	L	E	S	V	L	L	Q	V	R	M	A	M	A	T	L	E	P	R	P	A	R	L	D	R	K	-	-	-	-	Y	L	
<i>Mycosphaerella graminicola_83400/1-165</i>	T	G	W	S	S	V	S	M	E	S	V	L	M	Q	I	R	L	A	I	A	S	-	E	P	-	F	A	R	L	D	S	R	-	-	-	-	N	-		
<i>Mycosphaerella fijiensis_85451/1-161</i>	T	G	W	S	S	V	S	T	M	E	S	V	L	M	Q	I	R	M	A	I	A	S	-	E	P	-	Y	A	R	L	N	K	N	-	-	-	-	A	-	
<i>Schizophyllum commune_77109/1-166</i>	D	G	W	L	P	S	Y	S	I	S	A	V	L	M	Q	I	K	L	A	I	S	N	L	D	P	R	P	A	R	L	A	P	R	G	-	-	-	D	W	
<i>Laccaria bicolor_B0DPJ7/1-162</i>	D	G	W	L	P	S	Y	S	I	S	A	V	L	L	Q	I	K	L	A	I	S	N	L	D	P	K	P	A	R	L	A	N	N	-	-	-	-	W	-	
<i>Phanerochaete chrysosporium_8174/1-104</i>	D	G	E	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Tremella mesenterica_74889/1-158</i>	T	G	W	N	P	A	F	C	I	E	A	I	V	R	D	I	M	T	N	M	T	E	A	I	P	-	P	A	R	L	D	P	H	G	-	-	-	W	-	



	160	170	180	
<i>Ajellomyces_capsulata_CONF51/1-165</i>	V----	S-KGTVR	DYGVGEAVEEAY	I RAC----
<i>Ajellomyces_capsulata_A6QYI2/1-165</i>	V----	S-KGTVR	DYGVGEAVEEAY	I RAC----
<i>Ajellomyces_dermatitidis_C5K0M8/1-165</i>	V----	S-KGTVR	DYGVGEAMDAY	I RAC----
<i>Uncinocarpus_reesii_C4JYQ7/1-165</i>	E----	K-KGTV	GSYGVREAVEEAY	I RAC----
<i>Microsporium_canis_C5FD62/1-165</i>	S----	L-KGKVL	EYGVAEAVEEAF	I RAC----
<i>Coccidioides_immitis_Q1E1Q2/1-154</i>	V----	K-KGTV	SEYG-----	-----
<i>Trichoderma_reesei_67286/1-162</i>	-----	VSDTR	DYAI	GEAIDAYQRAATA--
<i>Trichoderma_atroviride_39578/1-156</i>	-----	RSDTR	DYSI	GEAVDAYQRA-----
<i>Aspergillus_flavus_B8MW75/1-160</i>	-----	MQ	DYSVGEAVAAY	TRVCQ----
<i>Aspergillus_terreus_Q0CPK4/1-159</i>	-----	NA	DYT	VGNAISDYQRVC----
<i>Talaromyces_stipitatus_B8M6M3/1-166</i>	W----	SWRLDK	GDYSVMEAV	DAYTRAC----
<i>Penicillium_marneffeii_B6Q3H5/1-159</i>	K--F	GS-SAR	GGDYSVQEAV	DAYTRAC----
<i>Alternaria_brassicicola_AB05025/1-161</i>	-----	PAEY	GVGEAVEEAY	MRACA----
<i>Pyrenophora_tritici-repentis_B2VYK4/1-157</i>	-----	MANY	GVGEAV	DAYM-----
<i>Phaeosphaeria_nodorum_Q0UPJ2/1-161</i>	-----	RV	DYGVGEAVEEAY	MRACA----
<i>Cochliobolus_heterostrophus_30785/1-161</i>	-----	PS	DYYVGEAVEEAY	KRACN----
<i>Sclerotinia_sclerotiorum_A7EKZ8/1-163</i>	-----	EQQGE	YGTQEAMAAFI	RAC----
<i>Botryotinia_fuckeliana_A6S9M7/1-119</i>	-----	-----	-----	-----
<i>Cryphonectria_parasitica_38809/1-161</i>	-----	TADY	HPHTHALEAF	QRAAA----
<i>Magnaporthe_grisea_A4R2D2/1-162</i>	-----	GGDY	DIGSAIAAY	RTAATV----
<i>Aspergillus_clavatus_36472NI/1-157</i>	-----	DGDY	PFSEAVSAY	RRAC----
<i>Podospora_anserina_B2B0C0/1-168</i>	-----	HQDY	AVGEAIEAY	RRAGAHD
<i>Penicillium_chrysogenum_B6HEK8/1-158</i>	-----	NMDY	SVGEAVEAY	RR-----
<i>Aspergillus_clavatus_A1CIW1/1-161</i>	-----	RMDY	GVGEAVEAY	KRACI----
<i>Aspergillus_fumigatus_Q4WQT4/1-161</i>	-----	RSDY	SVGEAVEAY	KRACL----
<i>Neosartorya_fischeri_A1CVV6/1-161</i>	-----	RTDY	SVGEAVEAY	KRACL----
<i>Sporotrichum_thermophile_57676/1-168</i>	RKT	GAR-PGYK	GDYSIGEAL	EAFTRA----
<i>Chaetomium_globosum_Q2GVY0/1-159</i>	-----	PTAA	ADSARKGKAR	V-----
<i>Mycosphaerella_graminicola_83400/1-165</i>	-----	KGDY	GTGEAADGY	VRACN----
<i>Mycosphaerella_fijiensis_85451/1-161</i>	-----	KNDY	GVGEAAEGY	MRACA----
<i>Schizophyllum_commune_77109/1-166</i>	-----	KREY	RVDEALQGY	KRAAAT----
<i>Laccaria_bicolor_B0DPJ7/1-162</i>	-----	NQPY	SVSDSLVG	FKRAAA----
<i>Phanerochaete_chrysosporium_8174/1-104</i>	-----	-----	-----	-----
<i>Tremella_mesenterica_74889/1-158</i>	-----	DRPY	SMS	EALFAFKRVAAA----

Conservation



Quality



Consensus

