

Supplemental figures: Consurf results for ascomyceteous orthologs of *nop-1*, *orp-1* and *carO*.

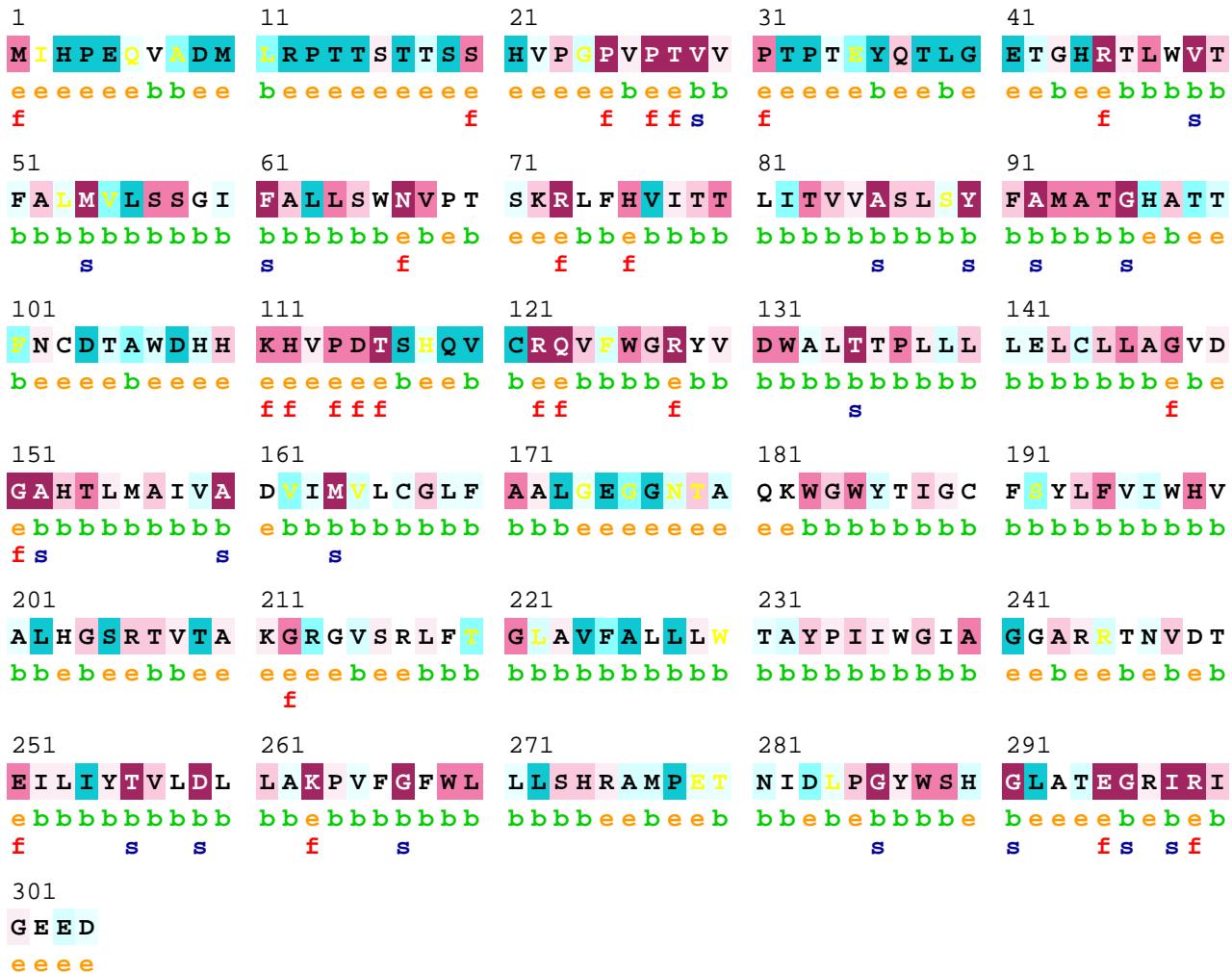
Page 1: Consurf results for *nop-1* mapped on *N. crassa* *nop-1* protein sequence.

Page 2: Consurf results for *nop-1* mapped on *G. zeae* *nop-1* protein sequence.

Page 3: Consurf results for *orp-1* mapped on *G. zeae* *orp-1* protein sequence.

Page 4: Consurf results for *carO* mapped on *G. zeae* *carO* protein sequence.

ConSurf Results



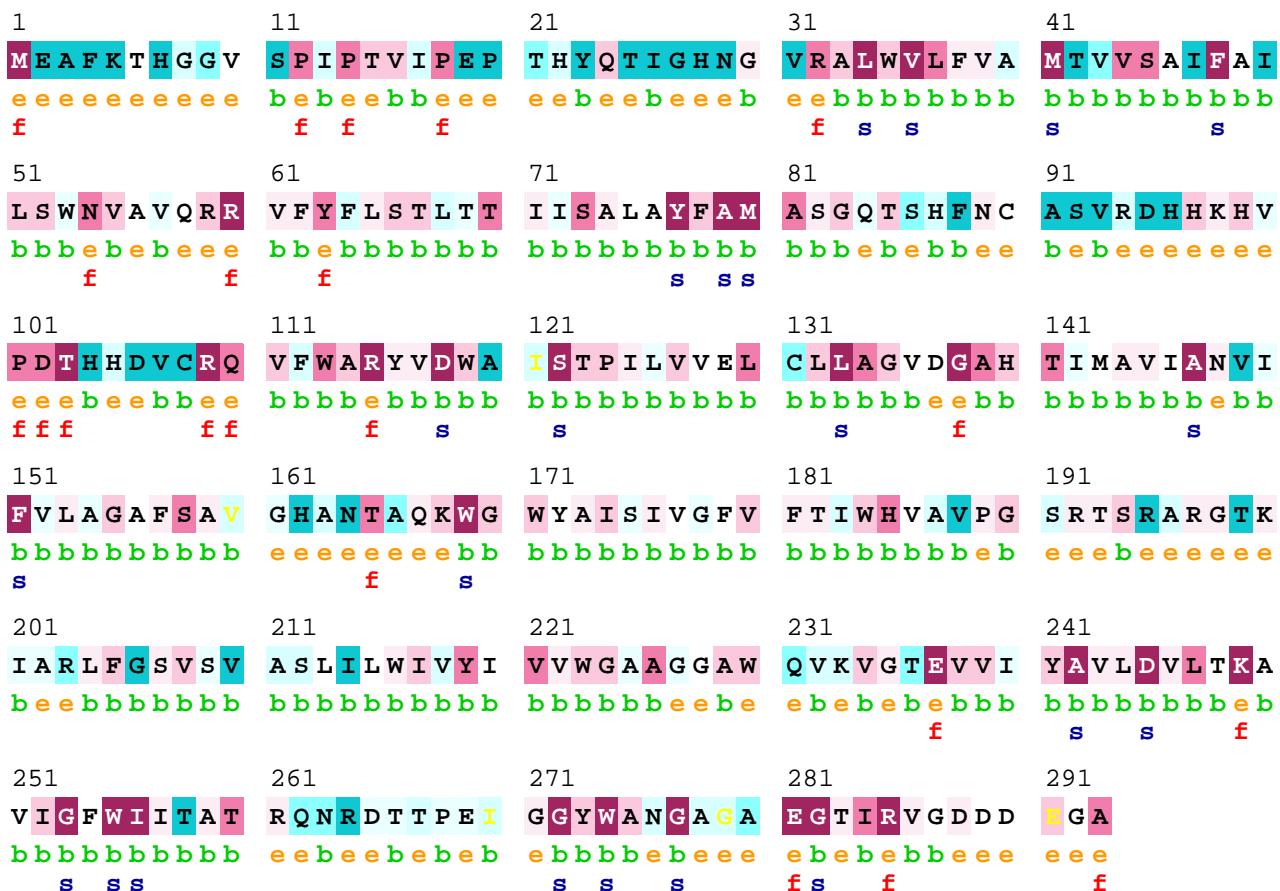
The conservation scale:



Variable Average Conserved

- e - An exposed residue according to the neural-network algorithm.
- b - A buried residue according to the neural-network algorithm.
- f - A predicted functional residue (highly conserved and exposed).
- s - A predicted structural residue (highly conserved and buried).
- X - Insufficient data - the calculation for this site was performed on less than 10% of the sequences.

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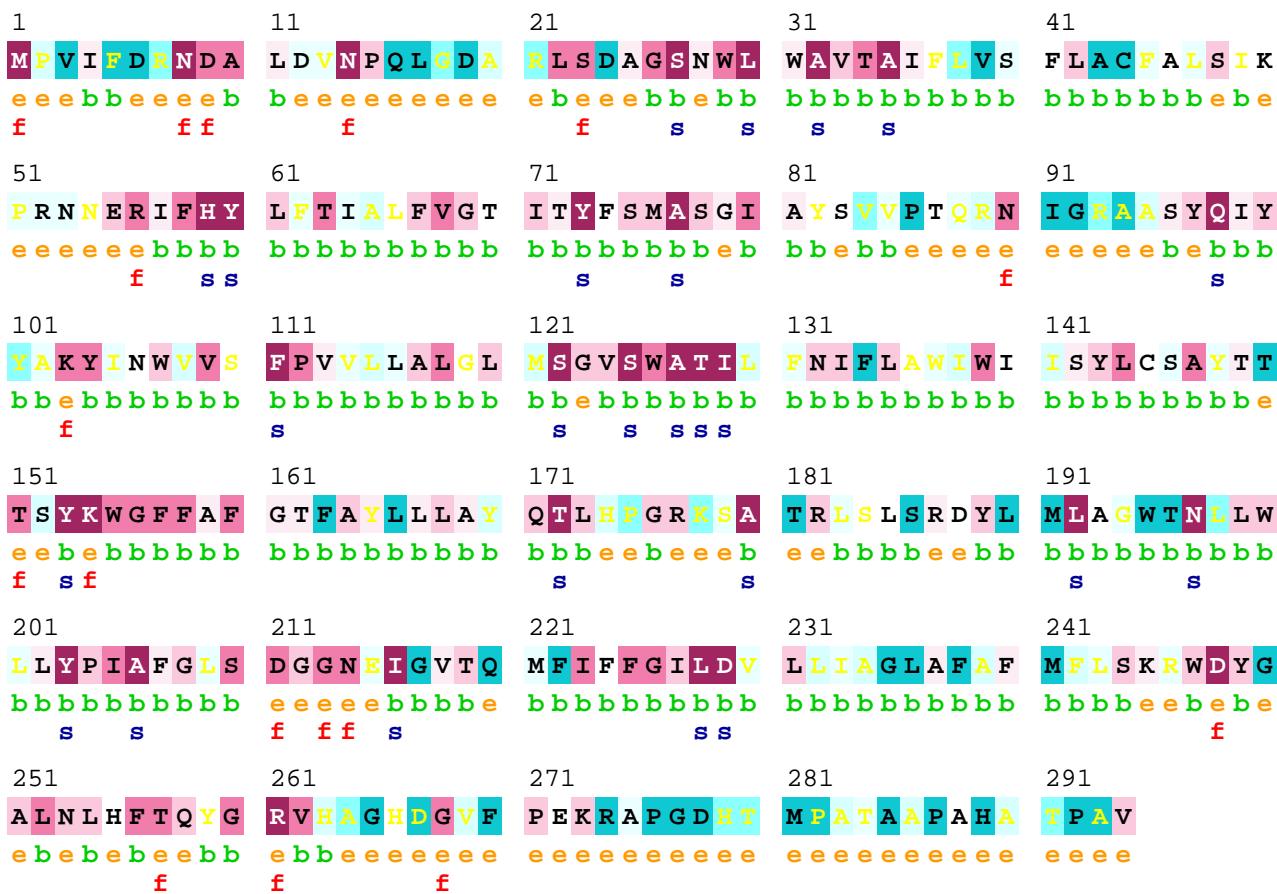
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ConSurf Results

1	11	21	31	41
M R V V I L N Q M V e e b b b b e e b b	D Q L C D S R L E D e e b b e e e b e e	L A E R P M L L D C b e e e e b b b e b	C P L Q I D A T V T b e e e b e b e b e	G N L L A G L D R L b e b b e b b e e e
51	61	71	81	91
G T T R V M K T R G e b b e b e e e e	C G P A F G S S L P e e e e e b e b b b	F M L G W F G M K S b b b b b b b b b e e	S E P S N T A Q Q L e e e e e e b e e b	K Y S L I R R E P T e e b b b e e e e e
101	111	121	131	141
V T M A E H L H A R b b b e e e b e e e s	N D A L K T N V S K e e b b e e e e e f s f	G F T F N G I S T Q e e e b e b e e b e b b b b b b b b b e b	I N I T P R G S D W b b b b b b b b b e b s s f	Y F T V C A V M T V b b b b b b b b b b b s s s
151	161	171	181	191
S S I V F V G M G L b b b b b b b b b b b s	R K P R T H R V F H e e e e e e b b b f s s s	Y I T A S I T M V A b b b b b b b b b b b s	A I A Y F T M G A N b b b b b b b b b e s s s s s	L G W A P T E V E F b e b b e b e b e b s f s f
201	211	221	231	241
H R R D H E V A G N e e e e e e b e b b f	Y R E I F Y V R Y I b e e b b b b b b b f s s s s s	D W F I T T P L L L b b b b b b b b b b b s s s s s	M D L L T A G M P b e b b b e b e b e f f s f f	W P T V L Y V I L V b
251	261	271	281	291
D E I M I V T G L V e b b b b b b b b b f s s s s	G A L V T T S Y K W b b b b e b e b e b s s s s f s	G Y F T I G C V A L b b b b b b b b b b b s	V Y I V Y Q L A W E b b b b b b b b b e b b b b b b b b b e	A R I H A N H V G P b e e b e e e e e f
301	311	321	331	341
D V G R V F L W C G e b e b b b b b b b s s s s s	S L T A V V W I L Y b b b b b b b b b b s s s s s	P I A W G V C E G G b b b b b e b e e e s s s s s f f	N L I S P D S E A V e b b b e b e b b f s f f s f s	F Y G I L D I I A K b b b b b b b b b b e s s s s s f
351	361	371	381	391
P V F G A I L L F G e b b b b b b b b b s s s s s	H R N I D P A R L G b e b b e b e b b s f f s s	L R I R D V N E R I b e b e e e e e e f f	V P E G P N V K P G e e e e e e e e e f f f f f f f f	Q Q R N A G N V N A e e e b e e e e b e e e e e e e e e
401				
P E G S T S A e e e e e e e e e				

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