

A

Babela_gene_124
Babela_gene_300
Babela_gene_562
Babela_gene_16
Babela_gene_252
Babela_gene_417
Babela_gene_217
Babela_gene_104
Babela_gene_102
OrigSeq
Jnet

Hhpred based alignment of the most conserved blocks and catalytically relevant amino acids

Q ss_pred
Q Babela_gene_25
Q Consensus
T Consensus
T PLN03189
T ss_pred

Ulp1 protease family

YPL020C
Atg906910
7296280
SPECL97.09
KCG09769
Hs765750

Continued

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Babela_gene_300
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Hhpred output for Babela_gene_300

Table with 6 columns: No Hit, Prob E-value, P-value, Aa, Co, SS Cols, Query HMM, Template HMM. Rows include PLN03189, COG5160, PF02902, and PF02902 Peptidase_C48.

>PLN03189 Protease specific for SMALL UBIQUITIN-RELATED MODIFIER (SUMO): Provisional

Probab=91.18 E-value=2.1 Score=45.40 Aligned_cols=113 Identities=20% Similarity=0.317 Sum_probs=0.0

Q ss_pred
Q Babela_gene_25
Q Consensus
T Consensus
T PLN03189
T ss_pred

>PF02902 Peptidase_C48: Ulp1 protease family, C-terminal catalytic domain

Probab=89.42 E-value=5.6 Score=34.25 Aligned_cols=102 Identities=19% Similarity=0.289 Sum_probs=0.0

Q ss_pred
Q Babela_gene_25
Q Consensus
T Consensus
T PF02902 consen
T ss_dssp
T PLN03189
T ss_pred

>COG5160 Ulp1 Protease, Ulp1 family [Posttranslational modification, protein turnover, chaperones]

Probab=90.24 E-value=1.1 Score=47.95 Aligned_cols=99 Identities=24% Similarity=0.496 Sum_probs=0.0

Q ss_pred
Q Babela_gene_25
Q Consensus
T Consensus
T COG5160
T ss_pred

>PF02902 Peptidase_C48: Ulp1 protease family, C-terminal catalytic domain This family belongs to family C48 of the peptidase classification.; InterPro: In the MEROPS database peptidases

Probab=75.06 E-value=2.1 Score=36.88 Aligned_cols=34 Identities=24% Similarity=0.304 Sum_probs=0.0

Q ss_pred
Q Babela_gene_25
Q Consensus
T Consensus
T PF02902 consen
T ss_dssp
T PLN03189
T ss_pred

B