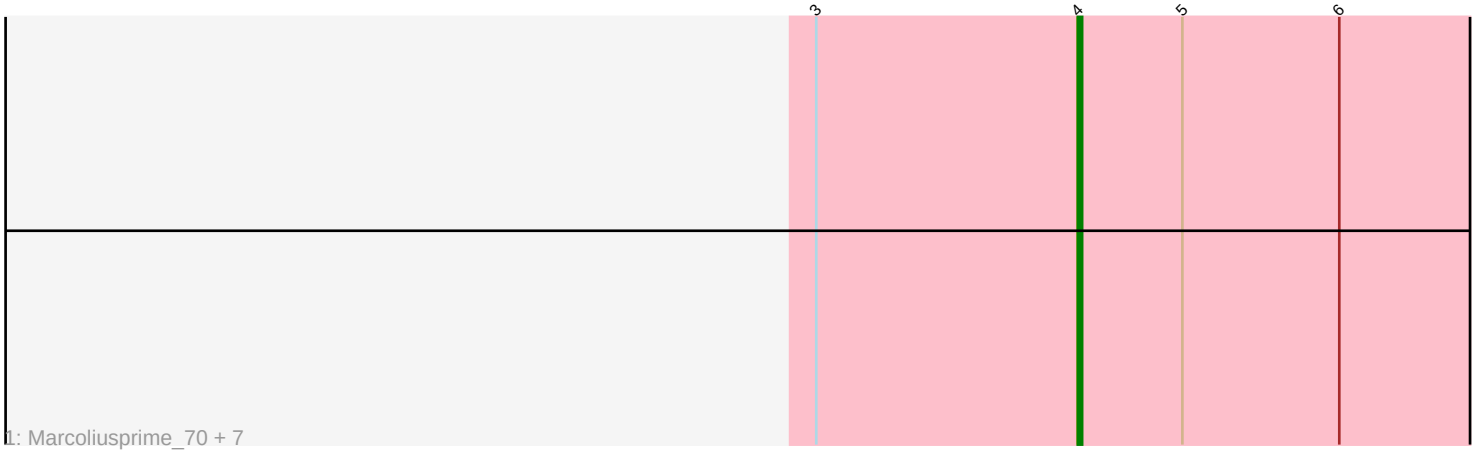
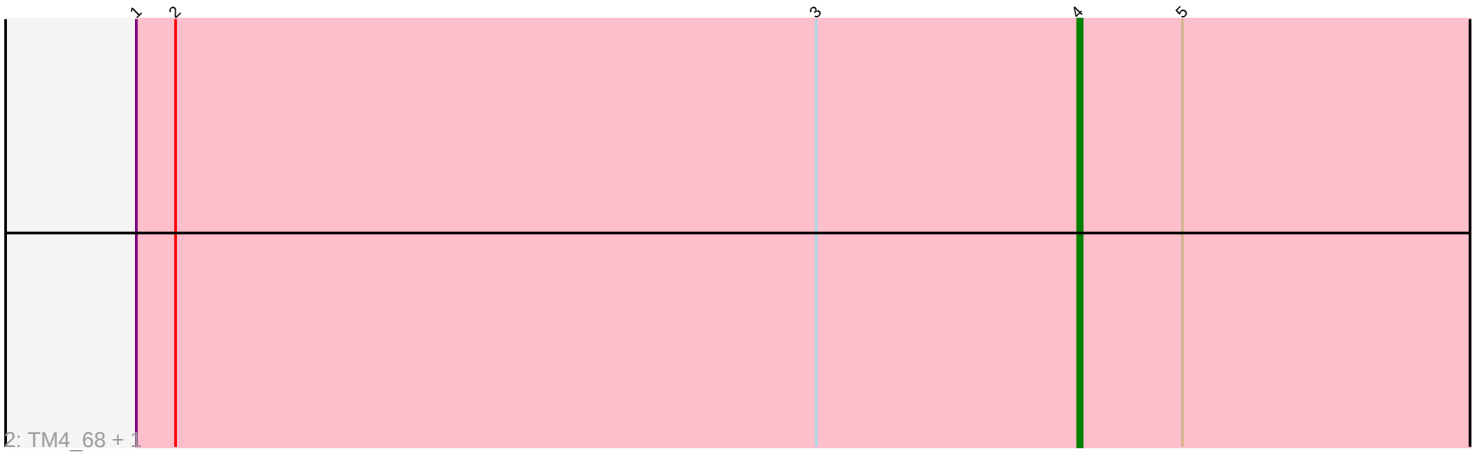
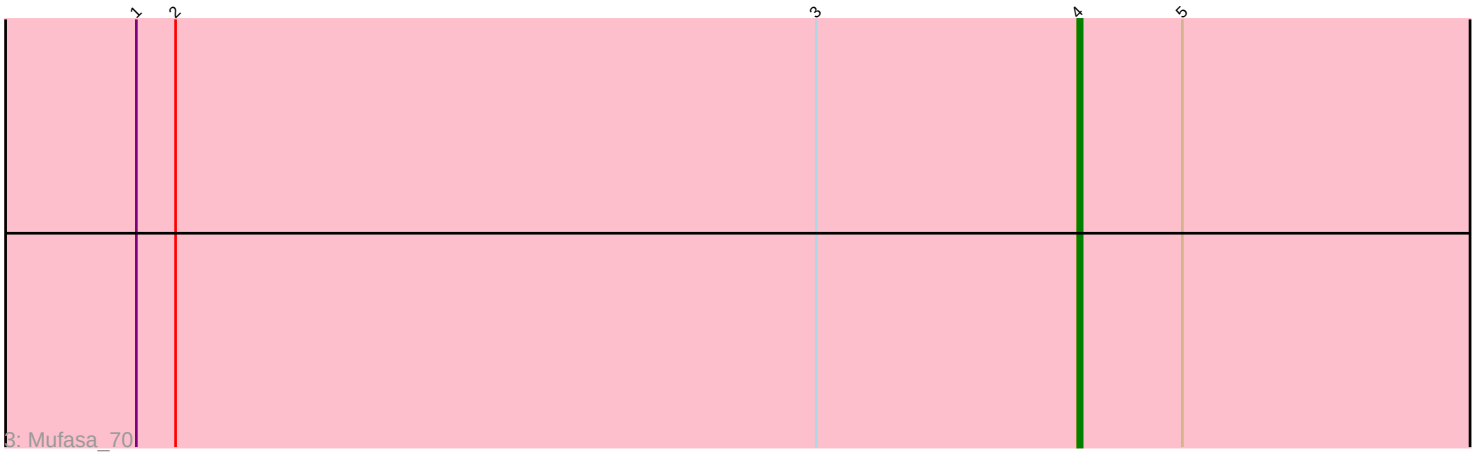
Pham 295288







Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 295288 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295288 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Marcoliusprime_70, DismalFunk_70, Milly_70, Doughnut_70, Findley_70, ZoeJ_69, Strobilo_71, DismalStressor_70
• Track 2 : TM4_68, BoostSeason_70
• Track 3 : Mufasa_70

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 4, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BoostSeason_70, DismalFunk_70, DismalStressor_70, Doughnut_70, Findley_70, Marcoliusprime_70, Milly_70, Mufasa_70, Strobilo_71, TM4_68, ZoeJ_69,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 4:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_70 (K2), DismalFunk_70 (K2), DismalStressor_70 (K2), Doughnut_70 (K2), Findley_70 (K2), Marcoliusprime_70 (K2), Milly_70 (K2), Mufasa_70 (K2), Strobilo_71 (K2), TM4_68 (K2), ZoeJ_69 (K2),

Summary by clusters:

There is one cluster represented in this pham: K2

Info for manual annotations of cluster K2:
•Start number 4 was manually annotated 11 times for cluster K2.

Gene Information:

Gene: BoostSeason_70 Start: 45912, Stop: 46079, Start Num: 4
Candidate Starts for BoostSeason_70:
(1, 45696), (2, 45705), (3, 45852), (Start: 4 @45912 has 11 MA's), (5, 45936),

Gene: DismalFunk_70 Start: 46337, Stop: 46504, Start Num: 4
Candidate Starts for DismalFunk_70:
(3, 46277), (Start: 4 @46337 has 11 MA's), (5, 46361), (6, 46397),

Gene: DismalStressor_70 Start: 46337, Stop: 46504, Start Num: 4
Candidate Starts for DismalStressor_70:
(3, 46277), (Start: 4 @46337 has 11 MA's), (5, 46361), (6, 46397),

Gene: Doughnut_70 Start: 45953, Stop: 46120, Start Num: 4
Candidate Starts for Doughnut_70:
(3, 45893), (Start: 4 @45953 has 11 MA's), (5, 45977), (6, 46013),

Gene: Findley_70 Start: 46331, Stop: 46498, Start Num: 4
Candidate Starts for Findley_70:
(3, 46271), (Start: 4 @46331 has 11 MA's), (5, 46355), (6, 46391),

Gene: Marcoliusprime_70 Start: 46337, Stop: 46504, Start Num: 4
Candidate Starts for Marcoliusprime_70:
(3, 46277), (Start: 4 @46337 has 11 MA's), (5, 46361), (6, 46397),

Gene: Milly_70 Start: 46311, Stop: 46478, Start Num: 4
Candidate Starts for Milly_70:
(3, 46251), (Start: 4 @46311 has 11 MA's), (5, 46335), (6, 46371),

Gene: Mufasa_70 Start: 45897, Stop: 46064, Start Num: 4
Candidate Starts for Mufasa_70:
(1, 45681), (2, 45690), (3, 45837), (Start: 4 @45897 has 11 MA's), (5, 45921),

Gene: Strobilo_71 Start: 46313, Stop: 46480, Start Num: 4
Candidate Starts for Strobilo_71:
(3, 46253), (Start: 4 @46313 has 11 MA's), (5, 46337), (6, 46373),

Gene: TM4_68 Start: 40975, Stop: 41142, Start Num: 4
Candidate Starts for TM4_68:
(1, 40759), (2, 40768), (3, 40915), (Start: 4 @40975 has 11 MA's), (5, 40999),

Gene: ZoeJ_69 Start: 45716, Stop: 45883, Start Num: 4
Candidate Starts for ZoeJ_69:
(3, 45656), (Start: 4 @45716 has 11 MA's), (5, 45740), (6, 45776),