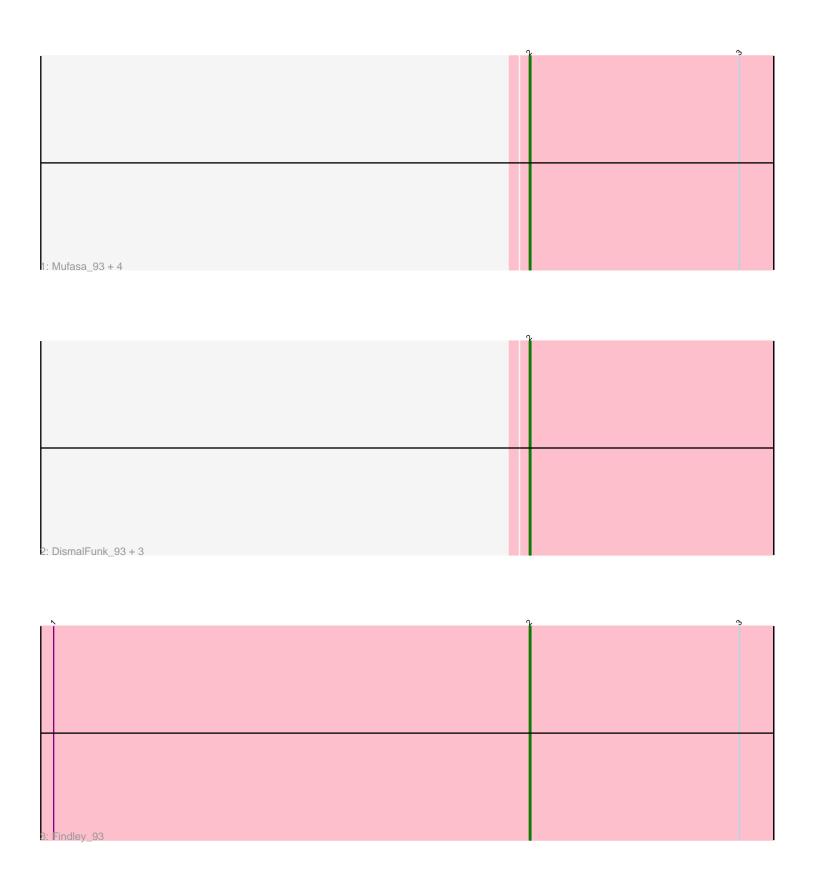# Pham 106858

1: Mufasa_93 + 4

2: DismalFunk_93 + 3

3: Findley_93

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 106858 Report

This analysis was run 04/05/24 on database version 557.

Pham number 106858 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Mufasa_93, BoostSeason_93, ZoeJ_91, Strobilo_99, Milly_93
• Track 2 : DismalFunk_93, Marcoliusprime_91, TM4_91, DismalStressor_93
• Track 3 : Findley_93

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

The start number called the most often in the published annotations is 2, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BoostSeason_93, DismalFunk_93, DismalStressor_93, Findley_93, Marcoliusprime_91, Milly_93, Mufasa_93, Strobilo_99, TM4_91, ZoeJ_91,

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 2:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_93 (K2), DismalFunk_93 (K2), DismalStressor_93 (K2), Findley_93 (K2), Marcoliusprime_91 (K2), Milly_93 (K2), Mufasa_93 (K2), Strobilo_99 (K2), TM4_91 (K2), ZoeJ_91 (K2),

Summary by clusters:

There is one cluster represented in this pham: K2

Info for manual annotations of cluster K2:

•Start number 2 was manually annotated 9 times for cluster K2.

Gene Information:
Gene: BoostSeason_93 Start: 57473, Stop: 57643, Start Num: 2
Candidate Starts for BoostSeason_93:
(Start: 2 @57473 has 9 MA's), (3, 57620),

Gene: DismalFunk_93 Start: 57523, Stop: 57693, Start Num: 2
Candidate Starts for DismalFunk_93:
(Start: 2 @57523 has 9 MA's),

Gene: DismalStressor_93 Start: 57523, Stop: 57693, Start Num: 2
Candidate Starts for DismalStressor_93:
(Start: 2 @57523 has 9 MA's),

Gene: Findley_93 Start: 57544, Stop: 57714, Start Num: 2
Candidate Starts for Findley_93:
(1, 57211), (Start: 2 @57544 has 9 MA's), (3, 57691),

Gene: Marcoliusprime_91 Start: 57523, Stop: 57693, Start Num: 2
Candidate Starts for Marcoliusprime_91:
(Start: 2 @57523 has 9 MA's),

Gene: Milly_93 Start: 57605, Stop: 57775, Start Num: 2
Candidate Starts for Milly_93:
(Start: 2 @57605 has 9 MA's), (3, 57752),

Gene: Mufasa_93 Start: 57460, Stop: 57630, Start Num: 2
Candidate Starts for Mufasa_93:
(Start: 2 @57460 has 9 MA's), (3, 57607),

Gene: Strobilo_99 Start: 57521, Stop: 57691, Start Num: 2
Candidate Starts for Strobilo_99:
(Start: 2 @57521 has 9 MA's), (3, 57668),

Gene: TM4_91 Start: 52192, Stop: 52362, Start Num: 2
Candidate Starts for TM4_91:
(Start: 2 @52192 has 9 MA's),

Gene: ZoeJ_91 Start: 56712, Stop: 56882, Start Num: 2
Candidate Starts for ZoeJ_91:
(Start: 2 @56712 has 9 MA's), (3, 56859),