Pham 106870

1: Marcoliusprime_88 + 5

2: BoostSeason_89 + 1

3: ZoeJ_87

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 106870 Report

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

Pham number 106870 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Marcoliusprime_88, DismalFunk_89, TM4_87, Findley_89, Milly_89, DismalStressor_89
• Track 2 : BoostSeason_89, Mufasa_89
• Track 3 : ZoeJ_87

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 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BoostSeason_89, DismalFunk_89, DismalStressor_89, Findley_89, Marcoliusprime_88, Milly_89, Mufasa_89, TM4_87,

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

Genes that do not have the "Most Annotated" start:
• ZoeJ_87,

Summary by start number:

Start 1:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ZoeJ_87 (K2),

Start 2:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_89 (K2), DismalFunk_89 (K2), DismalStressor_89 (K2), Findley_89 (K2), Marcoliusprime_88 (K2), Milly_89

(K2), Mufasa_89 (K2), TM4_87 (K2),

Summary by clusters:

There is one cluster represented in this pham: K2

Info for manual annotations of cluster K2:
•Start number 1 was manually annotated 1 time for cluster K2.
•Start number 2 was manually annotated 8 times for cluster K2.

Gene Information:
Gene: BoostSeason_89 Start: 56408, Stop: 56743, Start Num: 2
Candidate Starts for BoostSeason_89:
(Start: 2 @56408 has 8 MA's), (3, 56477), (4, 56504), (5, 56537), (6, 56567), (7, 56705),

Gene: DismalFunk_89 Start: 56462, Stop: 56791, Start Num: 2
Candidate Starts for DismalFunk_89:
(Start: 2 @56462 has 8 MA's), (4, 56558), (5, 56591), (6, 56621), (7, 56753),

Gene: DismalStressor_89 Start: 56462, Stop: 56791, Start Num: 2
Candidate Starts for DismalStressor_89:
(Start: 2 @56462 has 8 MA's), (4, 56558), (5, 56591), (6, 56621), (7, 56753),

Gene: Findley_89 Start: 56481, Stop: 56810, Start Num: 2
Candidate Starts for Findley_89:
(Start: 2 @56481 has 8 MA's), (4, 56577), (5, 56610), (6, 56640), (7, 56772),

Gene: Marcoliusprime_88 Start: 56462, Stop: 56791, Start Num: 2
Candidate Starts for Marcoliusprime_88:
(Start: 2 @56462 has 8 MA's), (4, 56558), (5, 56591), (6, 56621), (7, 56753),

Gene: Milly_89 Start: 56544, Stop: 56873, Start Num: 2
Candidate Starts for Milly_89:
(Start: 2 @56544 has 8 MA's), (4, 56640), (5, 56673), (6, 56703), (7, 56835),

Gene: Mufasa_89 Start: 56395, Stop: 56730, Start Num: 2
Candidate Starts for Mufasa_89:
(Start: 2 @56395 has 8 MA's), (3, 56464), (4, 56491), (5, 56524), (6, 56554), (7, 56692),

Gene: TM4_87 Start: 51133, Stop: 51462, Start Num: 2
Candidate Starts for TM4_87:
(Start: 2 @51133 has 8 MA's), (4, 51229), (5, 51262), (6, 51292), (7, 51424),

Gene: ZoeJ_87 Start: 55593, Stop: 55982, Start Num: 1
Candidate Starts for ZoeJ_87:
(Start: 1 @55593 has 1 MA's), (4, 55749), (5, 55782), (6, 55812), (7, 55944),