Pham 348164


5
7
9
1: Gibbous_3 + 2
4
5
7
8
2: Malvina_4
4
5
7
8
3: HippoPololi_4 + 1
3
5
6
4: Ligma_5 + 3
1
2
5
6
5: Coco2012_5 + 3

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 348164 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348164 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Gibbous_3, Cleo_3, Dre3_3
• Track 2 : Malvina_4
• Track 3 : HippoPololi_4, Survivors_4
• Track 4 : Ligma_5, Axumite_5, Fresco_5, Shatter_5
• Track 5 : Coco2012_5, CharlottesWeb_5, Mariokart_5, JellyBelly_5

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

The start number called the most often in the published annotations is 5, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Axumite_5, CharlottesWeb_5, Cleo_3, Coco2012_5, Dre3_3, Fresco_5, Gibbous_3, HippoPololi_4, JellyBelly_5, Ligma_5, Mariokart_5, Shatter_5, Survivors_4,

Genes that have the "Most Annotated" start but do not call it:
• Malvina_4,

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

Summary by start number:

Start 4:
• Found in 3 of 14 (21.4%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Malvina_4 (CT),

Start 5:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 92.9% of time when present

• Phage (with cluster) where this start called: Axumite_5 (DR), CharlottesWeb_5 (DR), Cleo_3 (CT), Coco2012_5 (DR), Dre3_3 (CT), Fresco_5 (DR), Gibbous_3 (CT), HippoPololi_4 (CT), JellyBelly_5 (DR), Ligma_5 (DR), Mariokart_5 (DR), Shatter_5 (DR), Survivors_4 (CT),

Summary by clusters:

There are 2 clusters represented in this pham: DR, CT,

Info for manual annotations of cluster CT:
•Start number 5 was manually annotated 5 times for cluster CT.

Info for manual annotations of cluster DR:
•Start number 5 was manually annotated 6 times for cluster DR.

Gene Information:

Gene: Axumite_5 Start: 4365, Stop: 4174, Start Num: 5
Candidate Starts for Axumite_5:
(3, 4425), (Start: 5 @4365 has 11 MA's), (6, 4329),

Gene: CharlottesWeb_5 Start: 4361, Stop: 4176, Start Num: 5
Candidate Starts for CharlottesWeb_5:
(1, 4769), (2, 4631), (Start: 5 @4361 has 11 MA's), (6, 4325),

Gene: Cleo_3 Start: 1060, Stop: 1242, Start Num: 5
Candidate Starts for Cleo_3:
(Start: 5 @1060 has 11 MA's), (7, 1111), (9, 1201),

Gene: Coco2012_5 Start: 4361, Stop: 4176, Start Num: 5
Candidate Starts for Coco2012_5:
(1, 4769), (2, 4631), (Start: 5 @4361 has 11 MA's), (6, 4325),

Gene: Dre3_3 Start: 1004, Stop: 1186, Start Num: 5
Candidate Starts for Dre3_3:
(Start: 5 @1004 has 11 MA's), (7, 1055), (9, 1145),

Gene: Fresco_5 Start: 4365, Stop: 4174, Start Num: 5
Candidate Starts for Fresco_5:
(3, 4425), (Start: 5 @4365 has 11 MA's), (6, 4329),

Gene: Gibbous_3 Start: 1004, Stop: 1186, Start Num: 5
Candidate Starts for Gibbous_3:
(Start: 5 @1004 has 11 MA's), (7, 1055), (9, 1145),

Gene: HippoPololi_4 Start: 1032, Stop: 1214, Start Num: 5
Candidate Starts for HippoPololi_4:
(4, 1023), (Start: 5 @1032 has 11 MA's), (7, 1083), (8, 1140),

Gene: JellyBelly_5 Start: 4361, Stop: 4176, Start Num: 5
Candidate Starts for JellyBelly_5:

(1, 4769), (2, 4631), (Start: 5 @4361 has 11 MA's), (6, 4325),

Gene: Ligma_5 Start: 4365, Stop: 4174, Start Num: 5
Candidate Starts for Ligma_5:
(3, 4425), (Start: 5 @4365 has 11 MA's), (6, 4329),

Gene: Malvina_4 Start: 1023, Stop: 1214, Start Num: 4
Candidate Starts for Malvina_4:
(4, 1023), (Start: 5 @1032 has 11 MA's), (7, 1083), (8, 1140),

Gene: Mariokart_5 Start: 4361, Stop: 4176, Start Num: 5
Candidate Starts for Mariokart_5:
(1, 4769), (2, 4631), (Start: 5 @4361 has 11 MA's), (6, 4325),

Gene: Shatter_5 Start: 4365, Stop: 4174, Start Num: 5
Candidate Starts for Shatter_5:
(3, 4425), (Start: 5 @4365 has 11 MA's), (6, 4329),

Gene: Survivors_4 Start: 1009, Stop: 1191, Start Num: 5
Candidate Starts for Survivors_4:
(4, 1000), (Start: 5 @1009 has 11 MA's), (7, 1060), (8, 1117),