



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 224769 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224769 has 34 members, 5 are drafts.

Phages represented in each track:

- Track 1 : ODay_8, Phabuloso_8, Budski_8, Kamaru_8, Ecliptus_8, Holliday_8, LitninMcQueen_8, CheeseTouch_8
- Track 2 : Phistory_8, Asapag_8, Lutum_8, Getalong_8, Whitney_8, Kenna_8, BotCity_8, Malisha_8, Leroy_8, Horus_8, BENtherdunthat_8, Squiddly_9, Frickyeah_8, Periwinkle_8
- Track 3 : ShawBrad_8
- Track 4 : Spooky_8
- Track 5 : Soul22_8, Yoshi_8, Blarby_9, Demsculpinboyz_8, Jabbawokkie_9, Zapner_9, Avani_8, Ogopogo_9, Che9d_8, SilverChicken_8

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

The start number called the most often in the published annotations is 3, it was called in 21 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Asapag_8, BENtherdunthat_8, BotCity_8, Budski_8, CheeseTouch_8, Ecliptus_8, Frickyeah_8, Getalong_8, Holliday_8, Horus_8, Kamaru_8, Kenna_8, Leroy_8, LitninMcQueen_8, Lutum_8, Malisha_8, ODay_8, Periwinkle_8, Phabuloso_8, Phistory_8, ShawBrad_8, Spooky_8, Squiddly_9, Whitney_8,

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

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

- Avani_8, Blarby_9, Che9d_8, Demsculpinboyz_8, Jabbawokkie_9, Ogopogo_9, SilverChicken_8, Soul22_8, Yoshi_8, Zapner_9,

Summary by start number:

Start 2:

- Found in 10 of 34 (29.4%) of genes in pham
- Manual Annotations of this start: 8 of 29
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Avani_8 (F2), Blarby_9 (F), Che9d_8 (F2), Demsculpinboyz_8 (F2), Jabbawokkie_9 (F2), Ogopogo_9 (F1), SilverChicken_8 (F2), Soul22_8 (F2), Yoshi_8 (F2), Zapner_9 (F2),

Start 3:

- Found in 24 of 34 (70.6%) of genes in pham
- Manual Annotations of this start: 21 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Asapag_8 (DN1), BENtherdunthat_8 (DN1), BotCity_8 (DN), Budski_8 (DN), CheeseTouch_8 (DN1), Ecliptus_8 (DN), Frickyeah_8 (DN1), Getalong_8 (DN1), Holliday_8 (DN1), Horus_8 (DN1), Kamaru_8 (DN1), Kenna_8 (DN1), Leroy_8 (DN1), LitninMcQueen_8 (DN1), Lutum_8 (DN1), Malisha_8 (DN), ODay_8 (DN), Periwinkle_8 (DN1), Phabuloso_8 (DN1), Phistory_8 (DN1), ShawBrad_8 (DN1), Spooky_8 (DN2), Squiddly_9 (DN2), Whitney_8 (DN1),

Summary by clusters:

There are 6 clusters represented in this pham: DN, F1, F2, F, DN1, DN2,

Info for manual annotations of cluster DN:

- Start number 3 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 3 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 3 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster F1:

- Start number 2 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:

- Start number 2 was manually annotated 7 times for cluster F2.

Gene Information:

Gene: Asapag_8 Start: 5855, Stop: 6010, Start Num: 3

Candidate Starts for Asapag_8:

(Start: 3 @5855 has 21 MA's), (4, 5906),

Gene: Avani_8 Start: 5825, Stop: 5968, Start Num: 2

Candidate Starts for Avani_8:

(Start: 2 @5825 has 8 MA's),

Gene: BENtherdunthat_8 Start: 5855, Stop: 6010, Start Num: 3

Candidate Starts for BENtherdunthat_8:

(Start: 3 @5855 has 21 MA's), (4, 5906),

Gene: Blarby_9 Start: 6349, Stop: 6492, Start Num: 2

Candidate Starts for Blarby_9:

(Start: 2 @6349 has 8 MA's),

Gene: BotCity_8 Start: 5853, Stop: 6008, Start Num: 3

Candidate Starts for BotCity_8:

(Start: 3 @5853 has 21 MA's), (4, 5904),

Gene: Budski_8 Start: 5860, Stop: 6015, Start Num: 3

Candidate Starts for Budski_8:

(1, 5668), (Start: 3 @5860 has 21 MA's), (4, 5911),

Gene: Che9d_8 Start: 5834, Stop: 5977, Start Num: 2

Candidate Starts for Che9d_8:

(Start: 2 @5834 has 8 MA's),

Gene: CheeseTouch_8 Start: 5860, Stop: 6015, Start Num: 3

Candidate Starts for CheeseTouch_8:

(1, 5668), (Start: 3 @5860 has 21 MA's), (4, 5911),

Gene: Demsculpinboyz_8 Start: 5825, Stop: 5968, Start Num: 2

Candidate Starts for Demsculpinboyz_8:

(Start: 2 @5825 has 8 MA's),

Gene: Ecliptus_8 Start: 5880, Stop: 6035, Start Num: 3

Candidate Starts for Ecliptus_8:

(1, 5688), (Start: 3 @5880 has 21 MA's), (4, 5931),

Gene: Frickyeah_8 Start: 5855, Stop: 6010, Start Num: 3

Candidate Starts for Frickyeah_8:

(Start: 3 @5855 has 21 MA's), (4, 5906),

Gene: Getalong_8 Start: 5855, Stop: 6010, Start Num: 3

Candidate Starts for Getalong_8:

(Start: 3 @5855 has 21 MA's), (4, 5906),

Gene: Holliday_8 Start: 5860, Stop: 6015, Start Num: 3

Candidate Starts for Holliday_8:

(1, 5668), (Start: 3 @5860 has 21 MA's), (4, 5911),

Gene: Horus_8 Start: 5855, Stop: 6010, Start Num: 3

Candidate Starts for Horus_8:

(Start: 3 @5855 has 21 MA's), (4, 5906),

Gene: Jabbawokkie_9 Start: 6348, Stop: 6491, Start Num: 2

Candidate Starts for Jabbawokkie_9:

(Start: 2 @6348 has 8 MA's),

Gene: Kamaru_8 Start: 5860, Stop: 6015, Start Num: 3

Candidate Starts for Kamaru_8:

(1, 5668), (Start: 3 @5860 has 21 MA's), (4, 5911),

Gene: Kenna_8 Start: 5855, Stop: 6010, Start Num: 3

Candidate Starts for Kenna_8:

(Start: 3 @5855 has 21 MA's), (4, 5906),

Gene: Leroy_8 Start: 5856, Stop: 6011, Start Num: 3
Candidate Starts for Leroy_8:
(Start: 3 @5856 has 21 MA's), (4, 5907),

Gene: LitninMcQueen_8 Start: 5860, Stop: 6015, Start Num: 3
Candidate Starts for LitninMcQueen_8:
(1, 5668), (Start: 3 @5860 has 21 MA's), (4, 5911),

Gene: Lutum_8 Start: 5855, Stop: 6010, Start Num: 3
Candidate Starts for Lutum_8:
(Start: 3 @5855 has 21 MA's), (4, 5906),

Gene: Malisha_8 Start: 6899, Stop: 7054, Start Num: 3
Candidate Starts for Malisha_8:
(Start: 3 @6899 has 21 MA's), (4, 6950),

Gene: ODay_8 Start: 5878, Stop: 6033, Start Num: 3
Candidate Starts for ODay_8:
(1, 5686), (Start: 3 @5878 has 21 MA's), (4, 5929),

Gene: Ogopogo_9 Start: 6085, Stop: 6228, Start Num: 2
Candidate Starts for Ogopogo_9:
(Start: 2 @6085 has 8 MA's),

Gene: Periwinkle_8 Start: 5855, Stop: 6010, Start Num: 3
Candidate Starts for Periwinkle_8:
(Start: 3 @5855 has 21 MA's), (4, 5906),

Gene: Phabuloso_8 Start: 5860, Stop: 6015, Start Num: 3
Candidate Starts for Phabuloso_8:
(1, 5668), (Start: 3 @5860 has 21 MA's), (4, 5911),

Gene: Phistory_8 Start: 5844, Stop: 5999, Start Num: 3
Candidate Starts for Phistory_8:
(Start: 3 @5844 has 21 MA's), (4, 5895),

Gene: ShawBrad_8 Start: 5860, Stop: 6015, Start Num: 3
Candidate Starts for ShawBrad_8:
(Start: 3 @5860 has 21 MA's), (4, 5911),

Gene: SilverChicken_8 Start: 5825, Stop: 5968, Start Num: 2
Candidate Starts for SilverChicken_8:
(Start: 2 @5825 has 8 MA's),

Gene: Soul22_8 Start: 5824, Stop: 5967, Start Num: 2
Candidate Starts for Soul22_8:
(Start: 2 @5824 has 8 MA's),

Gene: Spooky_8 Start: 5848, Stop: 6003, Start Num: 3
Candidate Starts for Spooky_8:
(Start: 3 @5848 has 21 MA's), (4, 5899), (5, 5905), (6, 5950),

Gene: Squiddly_9 Start: 6540, Stop: 6695, Start Num: 3
Candidate Starts for Squiddly_9:
(Start: 3 @6540 has 21 MA's), (4, 6591),

Gene: Whitney_8 Start: 5855, Stop: 6010, Start Num: 3
Candidate Starts for Whitney_8:
(Start: 3 @5855 has 21 MA's), (4, 5906),

Gene: Yoshi_8 Start: 5824, Stop: 5967, Start Num: 2
Candidate Starts for Yoshi_8:
(Start: 2 @5824 has 8 MA's),

Gene: Zapner_9 Start: 6349, Stop: 6492, Start Num: 2
Candidate Starts for Zapner_9:
(Start: 2 @6349 has 8 MA's),