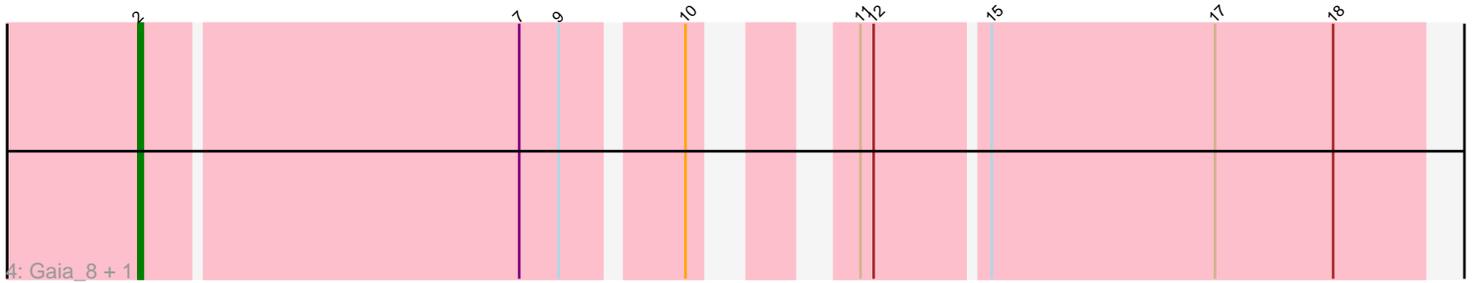
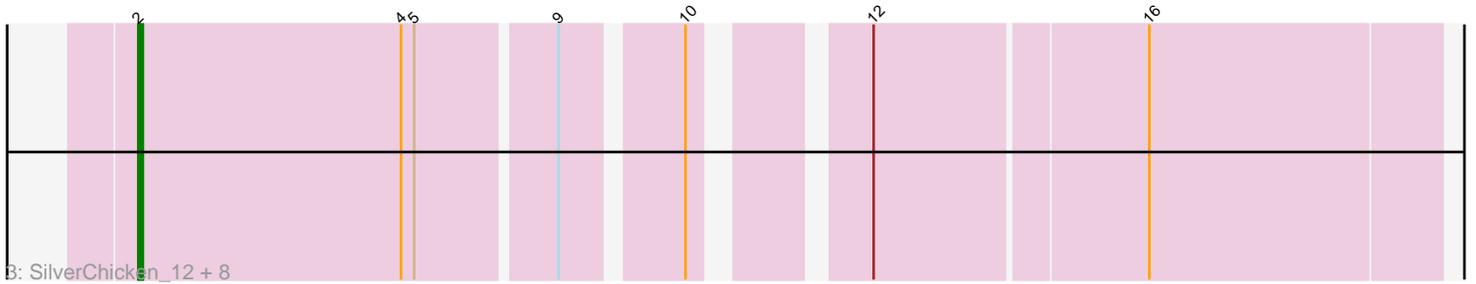


Pham 291587



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 291587 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291587 has 18 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Keelan_41
- Track 2 : Ronaldo_46, Volt_45, Ziko_46, Guey18_48, Fryberger_43
- Track 3 : SilverChicken_12, Blarby_13, Che9d_12, Demsculpinboyz_12, Yoshi_12, Zapner_13, Jabbawokkie_13, Soul22_12, Avani_12
- Track 4 : Gaia_8, Nebkiss_8
- Track 5 : DS6A_14

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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Avani_12, Blarby_13, Che9d_12, DS6A_14, Demsculpinboyz_12, Fryberger_43, Gaia_8, Guey18_48, Jabbawokkie_13, Keelan_41, Nebkiss_8, Ronaldo_46, SilverChicken_12, Soul22_12, Volt_45, Yoshi_12, Zapner_13, Ziko_46,

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 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 16 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avani_12 (F2), Blarby_13 (F), Che9d_12 (F2), DS6A_14 (singleton), Demsculpinboyz_12 (F2), Fryberger_43 (DP), Gaia_8 (X), Guey18_48 (DP), Jabbawokkie_13 (F2), Keelan_41 (DP), Nebkiss_8 (X), Ronaldo_46 (DP), SilverChicken_12 (F2), Soul22_12 (F2), Volt_45 (DP), Yoshi_12 (F2), Zapner_13 (F2), Ziko_46 (DP),

Summary by clusters:

There are 5 clusters represented in this pham: X, F2, singleton, DP, F,

Info for manual annotations of cluster DP:

- Start number 2 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster F2:

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

Info for manual annotations of cluster X:

- Start number 2 was manually annotated 2 times for cluster X.

Gene Information:

Gene: Avani_12 Start: 6948, Stop: 7220, Start Num: 2

Candidate Starts for Avani_12:

(Start: 2 @6948 has 16 MA's), (4, 7008), (5, 7011), (9, 7041), (10, 7065), (12, 7095), (16, 7155),

Gene: Blarby_13 Start: 7472, Stop: 7744, Start Num: 2

Candidate Starts for Blarby_13:

(Start: 2 @7472 has 16 MA's), (4, 7532), (5, 7535), (9, 7565), (10, 7589), (12, 7619), (16, 7679),

Gene: Che9d_12 Start: 6957, Stop: 7229, Start Num: 2

Candidate Starts for Che9d_12:

(Start: 2 @6957 has 16 MA's), (4, 7017), (5, 7020), (9, 7050), (10, 7074), (12, 7104), (16, 7164),

Gene: DS6A_14 Start: 10056, Stop: 10361, Start Num: 2

Candidate Starts for DS6A_14:

(Start: 2 @10056 has 16 MA's), (3, 10074), (6, 10134), (7, 10143), (12, 10224), (17, 10302),

Gene: Demsculpinboyz_12 Start: 6948, Stop: 7220, Start Num: 2

Candidate Starts for Demsculpinboyz_12:

(Start: 2 @6948 has 16 MA's), (4, 7008), (5, 7011), (9, 7041), (10, 7065), (12, 7095), (16, 7155),

Gene: Fryberger_43 Start: 16293, Stop: 16577, Start Num: 2

Candidate Starts for Fryberger_43:

(1, 16287), (Start: 2 @16293 has 16 MA's), (5, 16350), (8, 16377), (13, 16458), (14, 16464),

Gene: Gaia_8 Start: 7366, Stop: 7629, Start Num: 2

Candidate Starts for Gaia_8:

(Start: 2 @7366 has 16 MA's), (7, 7450), (9, 7459), (10, 7483), (11, 7504), (12, 7507), (15, 7531), (17, 7582), (18, 7609),

Gene: Guey18_48 Start: 17486, Stop: 17770, Start Num: 2

Candidate Starts for Guey18_48:

(1, 17480), (Start: 2 @17486 has 16 MA's), (5, 17543), (8, 17570), (13, 17651), (14, 17657),

Gene: Jabbawokkie_13 Start: 7471, Stop: 7743, Start Num: 2

Candidate Starts for Jabbawokkie_13:

(Start: 2 @7471 has 16 MA's), (4, 7531), (5, 7534), (9, 7564), (10, 7588), (12, 7618), (16, 7678),

Gene: Keelan_41 Start: 16268, Stop: 16552, Start Num: 2

Candidate Starts for Keelan_41:

(Start: 2 @16268 has 16 MA's), (5, 16325), (8, 16352), (13, 16433), (14, 16439),

Gene: Nebkiss_8 Start: 7367, Stop: 7630, Start Num: 2

Candidate Starts for Nebkiss_8:

(Start: 2 @7367 has 16 MA's), (7, 7451), (9, 7460), (10, 7484), (11, 7505), (12, 7508), (15, 7532), (17, 7583), (18, 7610),

Gene: Ronaldo_46 Start: 17223, Stop: 17507, Start Num: 2

Candidate Starts for Ronaldo_46:

(1, 17217), (Start: 2 @17223 has 16 MA's), (5, 17280), (8, 17307), (13, 17388), (14, 17394),

Gene: SilverChicken_12 Start: 6948, Stop: 7220, Start Num: 2

Candidate Starts for SilverChicken_12:

(Start: 2 @6948 has 16 MA's), (4, 7008), (5, 7011), (9, 7041), (10, 7065), (12, 7095), (16, 7155),

Gene: Soul22_12 Start: 6947, Stop: 7219, Start Num: 2

Candidate Starts for Soul22_12:

(Start: 2 @6947 has 16 MA's), (4, 7007), (5, 7010), (9, 7040), (10, 7064), (12, 7094), (16, 7154),

Gene: Volt_45 Start: 17223, Stop: 17507, Start Num: 2

Candidate Starts for Volt_45:

(1, 17217), (Start: 2 @17223 has 16 MA's), (5, 17280), (8, 17307), (13, 17388), (14, 17394),

Gene: Yoshi_12 Start: 6947, Stop: 7219, Start Num: 2

Candidate Starts for Yoshi_12:

(Start: 2 @6947 has 16 MA's), (4, 7007), (5, 7010), (9, 7040), (10, 7064), (12, 7094), (16, 7154),

Gene: Zapner_13 Start: 7472, Stop: 7744, Start Num: 2

Candidate Starts for Zapner_13:

(Start: 2 @7472 has 16 MA's), (4, 7532), (5, 7535), (9, 7565), (10, 7589), (12, 7619), (16, 7679),

Gene: Ziko_46 Start: 17163, Stop: 17447, Start Num: 2

Candidate Starts for Ziko_46:

(1, 17157), (Start: 2 @17163 has 16 MA's), (5, 17220), (8, 17247), (13, 17328), (14, 17334),