Pham 348086


2
4
5
6
7
1: PhriskyACE_13 + 2
2
4
5
6
7
2: Annalisa_14
5
6
7
3: Sekhmet_14 + 9
5
6
7
4: Samman98_14
5
6
7
5: Beenie_14
1
3
5
6
7
6: DobbysSock_13
5
6
7
8
7: Suerte_13
2
4
5
6
7
8: Clark_14

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 348086 Report

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

Pham number 348086 has 19 members, 1 are drafts.

Phages represented in each track:
• Track 1 : PhriskyACE_13, Powerball_13, Dorito_13
• Track 2 : Annalisa_14
• Track 3 : Sekhmet_14, Rizz_15, MichaelScott_14, Invectra_14, Tuti_14, Easley_14, WinkNick_14, Thimann_14, Oregano_14, Dolores_14
• Track 4 : Samman98_14
• Track 5 : Beenie_14
• Track 6 : DobbysSock_13
• Track 7 : Suerte_13
• Track 8 : Clark_14

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

The start number called the most often in the published annotations is 6, it was called in 14 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annalisa_14, Dolores_14, Dorito_13, Easley_14, Invectra_14, MichaelScott_14, Oregano_14, PhriskyACE_13, Powerball_13, Rizz_15, Sekhmet_14, Suerte_13, Thimann_14, Tuti_14, WinkNick_14,

Genes that have the "Most Annotated" start but do not call it:
• Beenie_14, Clark_14, DobbysSock_13, Samman98_14,

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

Summary by start number:

Start 5:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 18
• Called 15.8% of time when present
• Phage (with cluster) where this start called: Clark_14 (CZ4), DobbysSock_13 (CZ4), Samman98_14 (CZ4),

Start 6:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 18
• Called 78.9% of time when present
• Phage (with cluster) where this start called: Annalisa_14 (CZ4), Dolores_14 (CZ4), Dorito_13 (CZ4), Easley_14 (CZ4), Invectra_14 (CZ4), MichaelScott_14 (CZ4), Oregano_14 (CZ4), PhriskyACE_13 (CZ4), Powerball_13 (CZ4), Rizz_15 (CZ4), Sekhmet_14 (CZ4), Suerte_13 (CZ4), Thimann_14 (CZ4), Tuti_14 (CZ4), WinkNick_14 (CZ4),

Start 7:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 5.3% of time when present
• Phage (with cluster) where this start called: Beenie_14 (CZ4),

Summary by clusters:

There is one cluster represented in this pham: CZ4

Info for manual annotations of cluster CZ4:
•Start number 5 was manually annotated 3 times for cluster CZ4.
•Start number 6 was manually annotated 14 times for cluster CZ4.
•Start number 7 was manually annotated 1 time for cluster CZ4.

Gene Information:

Gene: Annalisa_14 Start: 8638, Stop: 8790, Start Num: 6
Candidate Starts for Annalisa_14:
(2, 8569), (4, 8617), (Start: 5 @8635 has 3 MA's), (Start: 6 @8638 has 14 MA's), (Start: 7 @8644 has 1 MA's),

Gene: Beenie_14 Start: 8643, Stop: 8774, Start Num: 7
Candidate Starts for Beenie_14:
(Start: 5 @8634 has 3 MA's), (Start: 6 @8637 has 14 MA's), (Start: 7 @8643 has 1 MA's),

Gene: Clark_14 Start: 8635, Stop: 8790, Start Num: 5
Candidate Starts for Clark_14:
(2, 8569), (4, 8617), (Start: 5 @8635 has 3 MA's), (Start: 6 @8638 has 14 MA's), (Start: 7 @8644 has 1 MA's),

Gene: DobbysSock_13 Start: 8133, Stop: 8273, Start Num: 5
Candidate Starts for DobbysSock_13:
(1, 8061), (3, 8109), (Start: 5 @8133 has 3 MA's), (Start: 6 @8136 has 14 MA's), (Start: 7 @8142 has 1 MA's),

Gene: Dolores_14 Start: 8638, Stop: 8775, Start Num: 6
Candidate Starts for Dolores_14:
(Start: 5 @8635 has 3 MA's), (Start: 6 @8638 has 14 MA's), (Start: 7 @8644 has 1 MA's),

Gene: Dorito_13 Start: 8135, Stop: 8272, Start Num: 6
Candidate Starts for Dorito_13:
(2, 8066), (4, 8114), (Start: 5 @8132 has 3 MA's), (Start: 6 @8135 has 14 MA's), (Start: 7 @8141 has 1 MA's),

Gene: Easley_14 Start: 8642, Stop: 8779, Start Num: 6
Candidate Starts for Easley_14:
(Start: 5 @8639 has 3 MA's), (Start: 6 @8642 has 14 MA's), (Start: 7 @8648 has 1 MA's),

Gene: Invectra_14 Start: 8637, Stop: 8774, Start Num: 6
Candidate Starts for Invectra_14:
(Start: 5 @8634 has 3 MA's), (Start: 6 @8637 has 14 MA's), (Start: 7 @8643 has 1 MA's),

Gene: MichaelScott_14 Start: 8637, Stop: 8774, Start Num: 6
Candidate Starts for MichaelScott_14:
(Start: 5 @8634 has 3 MA's), (Start: 6 @8637 has 14 MA's), (Start: 7 @8643 has 1 MA's),

Gene: Oregano_14 Start: 8308, Stop: 8445, Start Num: 6
Candidate Starts for Oregano_14:
(Start: 5 @8305 has 3 MA's), (Start: 6 @8308 has 14 MA's), (Start: 7 @8314 has 1 MA's),

Gene: PhriskyACE_13 Start: 8135, Stop: 8272, Start Num: 6
Candidate Starts for PhriskyACE_13:
(2, 8066), (4, 8114), (Start: 5 @8132 has 3 MA's), (Start: 6 @8135 has 14 MA's), (Start: 7 @8141 has 1 MA's),

Gene: Powerball_13 Start: 8144, Stop: 8281, Start Num: 6
Candidate Starts for Powerball_13:
(2, 8075), (4, 8123), (Start: 5 @8141 has 3 MA's), (Start: 6 @8144 has 14 MA's), (Start: 7 @8150 has 1 MA's),

Gene: Rizz_15 Start: 8637, Stop: 8774, Start Num: 6
Candidate Starts for Rizz_15:
(Start: 5 @8634 has 3 MA's), (Start: 6 @8637 has 14 MA's), (Start: 7 @8643 has 1 MA's),

Gene: Samman98_14 Start: 8635, Stop: 8790, Start Num: 5
Candidate Starts for Samman98_14:
(Start: 5 @8635 has 3 MA's), (Start: 6 @8638 has 14 MA's), (Start: 7 @8644 has 1 MA's),

Gene: Sekhmet_14 Start: 8637, Stop: 8774, Start Num: 6
Candidate Starts for Sekhmet_14:
(Start: 5 @8634 has 3 MA's), (Start: 6 @8637 has 14 MA's), (Start: 7 @8643 has 1 MA's),

Gene: Suerte_13 Start: 8136, Stop: 8273, Start Num: 6
Candidate Starts for Suerte_13:
(Start: 5 @8133 has 3 MA's), (Start: 6 @8136 has 14 MA's), (Start: 7 @8142 has 1 MA's), (8, 8175),

Gene: Thimann_14 Start: 8638, Stop: 8760, Start Num: 6
Candidate Starts for Thimann_14:
(Start: 5 @8635 has 3 MA's), (Start: 6 @8638 has 14 MA's), (Start: 7 @8644 has 1 MA's),

Gene: Tuti_14 Start: 8640, Stop: 8777, Start Num: 6
Candidate Starts for Tuti_14:

(Start: 5 @8637 has 3 MA's), (Start: 6 @8640 has 14 MA's), (Start: 7 @8646 has 1 MA's),

Gene: WinkNick_14 Start: 8638, Stop: 8775, Start Num: 6
Candidate Starts for WinkNick_14:
(Start: 5 @8635 has 3 MA's), (Start: 6 @8638 has 14 MA's), (Start: 7 @8644 has 1 MA's),