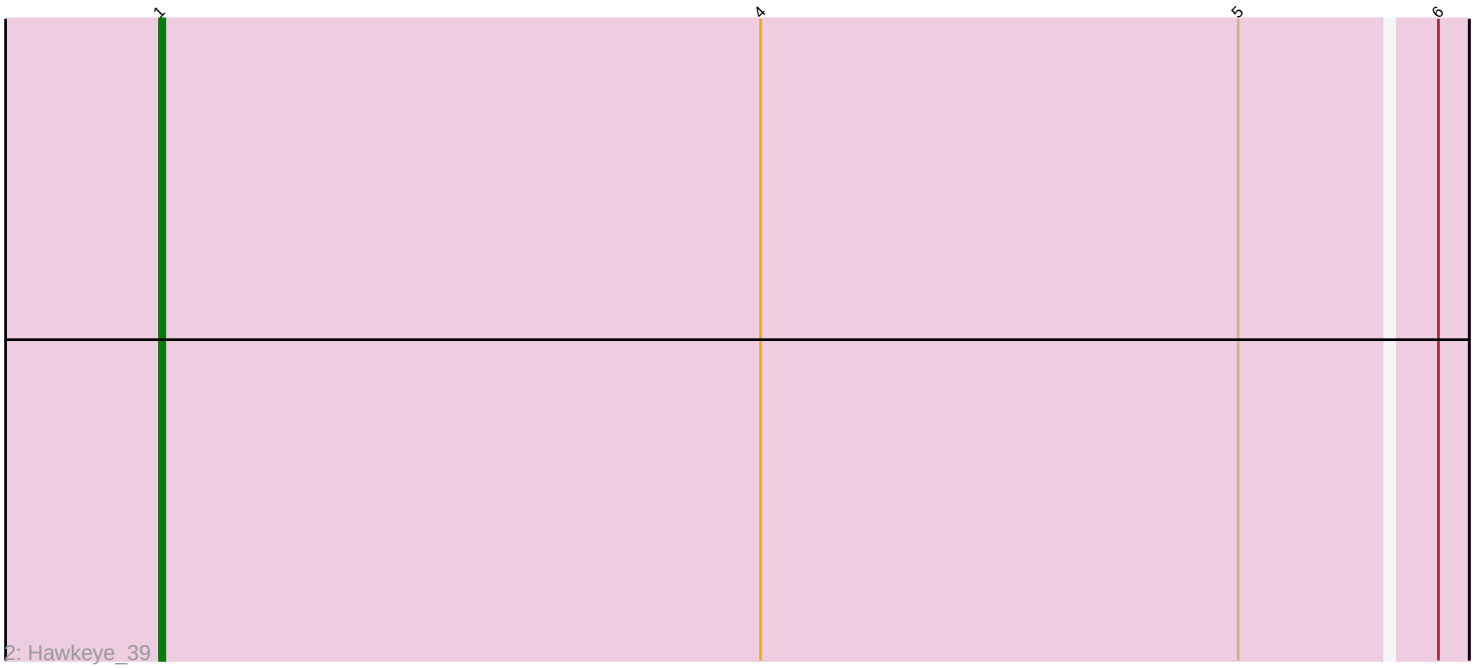
Pham 346100





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 346100 Report

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

Pham number 346100 has 24 members, 1 are drafts.

Phages represented in each track:
• Track 1 : PLot_37, Giuseppe_36, Adjutor_37, SirHarley_35, Penelope2018_36, Mopey_36, Thoth_36, PBI1_36, Delton_36, Phalaborwa_36, Visconti_36, Prager_36, WaldoWhy_37, Chill_37, KandZ_36, Gumball_35, SuperheroCarly_36, Nova_36, Butterscotch_36, BigMama_34, Erk16_36, Helpful_37, Troll4_36
• Track 2 : Hawkeye_39

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

The start number called the most often in the published annotations is 1, it was called in 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adjutor_37, BigMama_34, Butterscotch_36, Chill_37, Delton_36, Erk16_36, Giuseppe_36, Gumball_35, Hawkeye_39, Helpful_37, KandZ_36, Mopey_36, Nova_36, PBI1_36, PLot_37, Penelope2018_36, Phalaborwa_36, Prager_36, SirHarley_35, SuperheroCarly_36, Thoth_36, Troll4_36, Visconti_36, WaldoWhy_37,

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 1:
• Found in 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adjutor_37 (D1), BigMama_34 (D1), Butterscotch_36 (D1), Chill_37 (D1), Delton_36 (D1), Erk16_36 (D1), Giuseppe_36 (D1), Gumball_35 (D1), Hawkeye_39 (D2), Helpful_37 (D1), KandZ_36 (D1), Mopey_36 (D1), Nova_36 (D1), PBI1_36 (D1), PLot_37 (D1), Penelope2018_36 (D1), Phalaborwa_36 (D1), Prager_36 (D1), SirHarley_35 (D1), SuperheroCarly_36 (D1),

Thoth_36 (D1), Troll4_36 (D1), Visconti_36 (D1), WaldoWhy_37 (D1),

Summary by clusters:

There are 2 clusters represented in this pham: D2, D1,

Info for manual annotations of cluster D1:
•Start number 1 was manually annotated 22 times for cluster D1.

Info for manual annotations of cluster D2:
•Start number 1 was manually annotated 1 time for cluster D2.

Gene Information:

Gene: Adjutor_37 Start: 31190, Stop: 31444, Start Num: 1
Candidate Starts for Adjutor_37:
(Start: 1 @31190 has 23 MA's), (2, 31253), (3, 31292),

Gene: BigMama_34 Start: 31266, Stop: 31520, Start Num: 1
Candidate Starts for BigMama_34:
(Start: 1 @31266 has 23 MA's), (2, 31329), (3, 31368),

Gene: Butterscotch_36 Start: 31250, Stop: 31504, Start Num: 1
Candidate Starts for Butterscotch_36:
(Start: 1 @31250 has 23 MA's), (2, 31313), (3, 31352),

Gene: Chill_37 Start: 31256, Stop: 31510, Start Num: 1
Candidate Starts for Chill_37:
(Start: 1 @31256 has 23 MA's), (2, 31319), (3, 31358),

Gene: Delton_36 Start: 31262, Stop: 31516, Start Num: 1
Candidate Starts for Delton_36:
(Start: 1 @31262 has 23 MA's), (2, 31325), (3, 31364),

Gene: Erk16_36 Start: 31259, Stop: 31513, Start Num: 1
Candidate Starts for Erk16_36:
(Start: 1 @31259 has 23 MA's), (2, 31322), (3, 31361),

Gene: Giuseppe_36 Start: 31251, Stop: 31505, Start Num: 1
Candidate Starts for Giuseppe_36:
(Start: 1 @31251 has 23 MA's), (2, 31314), (3, 31353),

Gene: Gumball_35 Start: 31200, Stop: 31454, Start Num: 1
Candidate Starts for Gumball_35:
(Start: 1 @31200 has 23 MA's), (2, 31263), (3, 31302),

Gene: Hawkeye_39 Start: 31420, Stop: 31671, Start Num: 1
Candidate Starts for Hawkeye_39:
(Start: 1 @31420 has 23 MA's), (4, 31537), (5, 31630), (6, 31666),

Gene: Helpful_37 Start: 31250, Stop: 31504, Start Num: 1

Candidate Starts for Helpful_37:
(Start: 1 @31250 has 23 MA's), (2, 31313), (3, 31352),

Gene: KandZ_36 Start: 31350, Stop: 31604, Start Num: 1
Candidate Starts for KandZ_36:
(Start: 1 @31350 has 23 MA's), (2, 31413), (3, 31452),

Gene: Mopey_36 Start: 31250, Stop: 31504, Start Num: 1
Candidate Starts for Mopey_36:
(Start: 1 @31250 has 23 MA's), (2, 31313), (3, 31352),

Gene: Nova_36 Start: 31677, Stop: 31931, Start Num: 1
Candidate Starts for Nova_36:
(Start: 1 @31677 has 23 MA's), (2, 31740), (3, 31779),

Gene: PBI1_36 Start: 31181, Stop: 31435, Start Num: 1
Candidate Starts for PBI1_36:
(Start: 1 @31181 has 23 MA's), (2, 31244), (3, 31283),

Gene: PLot_37 Start: 31253, Stop: 31507, Start Num: 1
Candidate Starts for PLot_37:
(Start: 1 @31253 has 23 MA's), (2, 31316), (3, 31355),

Gene: Penelope2018_36 Start: 31250, Stop: 31504, Start Num: 1
Candidate Starts for Penelope2018_36:
(Start: 1 @31250 has 23 MA's), (2, 31313), (3, 31352),

Gene: Phalaborwa_36 Start: 31277, Stop: 31531, Start Num: 1
Candidate Starts for Phalaborwa_36:
(Start: 1 @31277 has 23 MA's), (2, 31340), (3, 31379),

Gene: Prager_36 Start: 31262, Stop: 31516, Start Num: 1
Candidate Starts for Prager_36:
(Start: 1 @31262 has 23 MA's), (2, 31325), (3, 31364),

Gene: SirHarley_35 Start: 31182, Stop: 31436, Start Num: 1
Candidate Starts for SirHarley_35:
(Start: 1 @31182 has 23 MA's), (2, 31245), (3, 31284),

Gene: SuperheroCarly_36 Start: 31112, Stop: 31366, Start Num: 1
Candidate Starts for SuperheroCarly_36:
(Start: 1 @31112 has 23 MA's), (2, 31175), (3, 31214),

Gene: Thoth_36 Start: 31247, Stop: 31501, Start Num: 1
Candidate Starts for Thoth_36:
(Start: 1 @31247 has 23 MA's), (2, 31310), (3, 31349),

Gene: Troll4_36 Start: 31251, Stop: 31505, Start Num: 1
Candidate Starts for Troll4_36:
(Start: 1 @31251 has 23 MA's), (2, 31314), (3, 31353),

Gene: Visconti_36 Start: 31260, Stop: 31514, Start Num: 1
Candidate Starts for Visconti_36:

(Start: 1 @31260 has 23 MA's), (2, 31323), (3, 31362),

Gene: WaldoWhy_37 Start: 31256, Stop: 31510, Start Num: 1
Candidate Starts for WaldoWhy_37:
(Start: 1 @31256 has 23 MA's), (2, 31319), (3, 31358),