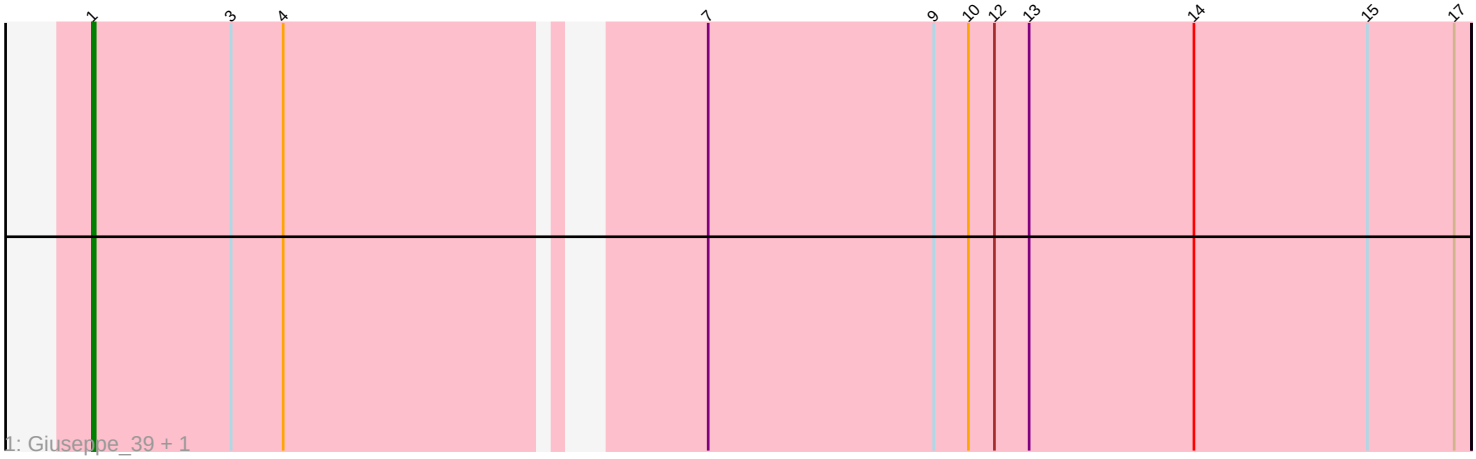
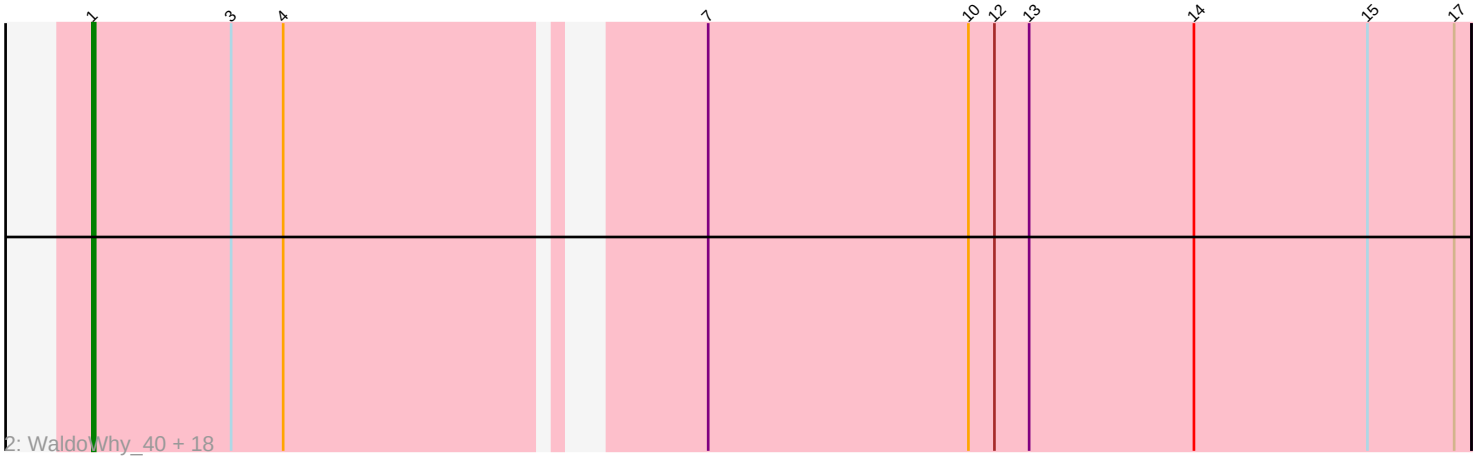
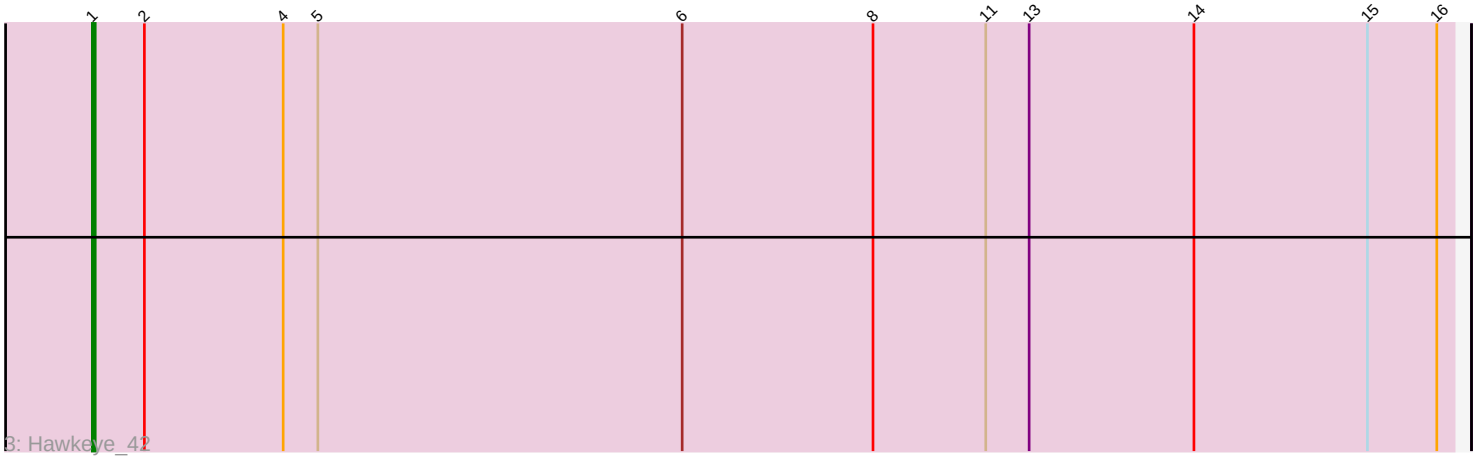
Pham 3415


1
3
4
7
9
10
12
13
14
15
17
1: Giuseppe_39 + 1


1
3
4
7
10
12
13
14
15
17
2: WaldoWhy_40 + 18


1
2
4
5
6
8
11
13
14
15
16
3: Hawkeye_42

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 3415 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3415 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Giuseppe_39, Prager_39
• Track 2 : WaldoWhy_40, PLot_39, Chill_40, Adjutor_39, Mopey_39, Penelope2018_39, BigMama_37, Helpful_40, PBI1_38, Delton_39, Thoth_39, Visconti_39, KandZ_39, Gumball_37, Butterscotch_38, Nova_38, Troll4_39, SirHarley_38, Erk16_38
• Track 3 : Hawkeye_42

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adjutor_39, BigMama_37, Butterscotch_38, Chill_40, Delton_39, Erk16_38, Giuseppe_39, Gumball_37, Hawkeye_42, Helpful_40, KandZ_39, Mopey_39, Nova_38, PBI1_38, PLot_39, Penelope2018_39, Prager_39, SirHarley_38, Thoth_39, Troll4_39, Visconti_39, WaldoWhy_40,

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 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 21 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adjutor_39 (D1), BigMama_37 (D1), Butterscotch_38 (D1), Chill_40 (D1), Delton_39 (D1), Erk16_38 (D1), Giuseppe_39 (D1), Gumball_37 (D1), Hawkeye_42 (D2), Helpful_40 (D1), KandZ_39 (D1), Mopey_39 (D1), Nova_38 (D1), PBI1_38 (D1), PLot_39 (D1), Penelope2018_39 (D1),

Prager_39 (D1), SirHarley_38 (D1), Thoth_39 (D1), Troll4_39 (D1), Visconti_39 (D1), WaldoWhy_40 (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 20 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_39 Start: 32238, Stop: 32693, Start Num: 1
Candidate Starts for Adjutor_39:
(Start: 1 @32238 has 21 MA's), (3, 32286), (4, 32304), (7, 32430), (10, 32520), (12, 32529), (13, 32541), (14, 32598), (15, 32658), (17, 32688),

Gene: BigMama_37 Start: 32314, Stop: 32769, Start Num: 1
Candidate Starts for BigMama_37:
(Start: 1 @32314 has 21 MA's), (3, 32362), (4, 32380), (7, 32506), (10, 32596), (12, 32605), (13, 32617), (14, 32674), (15, 32734), (17, 32764),

Gene: Butterscotch_38 Start: 32298, Stop: 32753, Start Num: 1
Candidate Starts for Butterscotch_38:
(Start: 1 @32298 has 21 MA's), (3, 32346), (4, 32364), (7, 32490), (10, 32580), (12, 32589), (13, 32601), (14, 32658), (15, 32718), (17, 32748),

Gene: Chill_40 Start: 32304, Stop: 32759, Start Num: 1
Candidate Starts for Chill_40:
(Start: 1 @32304 has 21 MA's), (3, 32352), (4, 32370), (7, 32496), (10, 32586), (12, 32595), (13, 32607), (14, 32664), (15, 32724), (17, 32754),

Gene: Delton_39 Start: 32310, Stop: 32765, Start Num: 1
Candidate Starts for Delton_39:
(Start: 1 @32310 has 21 MA's), (3, 32358), (4, 32376), (7, 32502), (10, 32592), (12, 32601), (13, 32613), (14, 32670), (15, 32730), (17, 32760),

Gene: Erk16_38 Start: 32307, Stop: 32762, Start Num: 1
Candidate Starts for Erk16_38:
(Start: 1 @32307 has 21 MA's), (3, 32355), (4, 32373), (7, 32499), (10, 32589), (12, 32598), (13, 32610), (14, 32667), (15, 32727), (17, 32757),

Gene: Giuseppe_39 Start: 32299, Stop: 32754, Start Num: 1
Candidate Starts for Giuseppe_39:
(Start: 1 @32299 has 21 MA's), (3, 32347), (4, 32365), (7, 32491), (9, 32569), (10, 32581), (12, 32590), (13, 32602), (14, 32659), (15, 32719), (17, 32749),

Gene: Gumball_37 Start: 32248, Stop: 32703, Start Num: 1

Candidate Starts for Gumball_37:
(Start: 1 @32248 has 21 MA's), (3, 32296), (4, 32314), (7, 32440), (10, 32530), (12, 32539), (13, 32551), (14, 32608), (15, 32668), (17, 32698),

Gene: Hawkeye_42 Start: 32460, Stop: 32930, Start Num: 1
Candidate Starts for Hawkeye_42:
(Start: 1 @32460 has 21 MA's), (2, 32478), (4, 32526), (5, 32538), (6, 32664), (8, 32730), (11, 32769), (13, 32784), (14, 32841), (15, 32901), (16, 32925),

Gene: Helpful_40 Start: 32298, Stop: 32753, Start Num: 1
Candidate Starts for Helpful_40:
(Start: 1 @32298 has 21 MA's), (3, 32346), (4, 32364), (7, 32490), (10, 32580), (12, 32589), (13, 32601), (14, 32658), (15, 32718), (17, 32748),

Gene: KandZ_39 Start: 32398, Stop: 32853, Start Num: 1
Candidate Starts for KandZ_39:
(Start: 1 @32398 has 21 MA's), (3, 32446), (4, 32464), (7, 32590), (10, 32680), (12, 32689), (13, 32701), (14, 32758), (15, 32818), (17, 32848),

Gene: Mopey_39 Start: 32298, Stop: 32753, Start Num: 1
Candidate Starts for Mopey_39:
(Start: 1 @32298 has 21 MA's), (3, 32346), (4, 32364), (7, 32490), (10, 32580), (12, 32589), (13, 32601), (14, 32658), (15, 32718), (17, 32748),

Gene: Nova_38 Start: 32724, Stop: 33179, Start Num: 1
Candidate Starts for Nova_38:
(Start: 1 @32724 has 21 MA's), (3, 32772), (4, 32790), (7, 32916), (10, 33006), (12, 33015), (13, 33027), (14, 33084), (15, 33144), (17, 33174),

Gene: PBI1_38 Start: 32229, Stop: 32684, Start Num: 1
Candidate Starts for PBI1_38:
(Start: 1 @32229 has 21 MA's), (3, 32277), (4, 32295), (7, 32421), (10, 32511), (12, 32520), (13, 32532), (14, 32589), (15, 32649), (17, 32679),

Gene: PLot_39 Start: 32301, Stop: 32756, Start Num: 1
Candidate Starts for PLot_39:
(Start: 1 @32301 has 21 MA's), (3, 32349), (4, 32367), (7, 32493), (10, 32583), (12, 32592), (13, 32604), (14, 32661), (15, 32721), (17, 32751),

Gene: Penelope2018_39 Start: 32298, Stop: 32753, Start Num: 1
Candidate Starts for Penelope2018_39:
(Start: 1 @32298 has 21 MA's), (3, 32346), (4, 32364), (7, 32490), (10, 32580), (12, 32589), (13, 32601), (14, 32658), (15, 32718), (17, 32748),

Gene: Prager_39 Start: 32310, Stop: 32765, Start Num: 1
Candidate Starts for Prager_39:
(Start: 1 @32310 has 21 MA's), (3, 32358), (4, 32376), (7, 32502), (9, 32580), (10, 32592), (12, 32601), (13, 32613), (14, 32670), (15, 32730), (17, 32760),

Gene: SirHarley_38 Start: 32230, Stop: 32685, Start Num: 1
Candidate Starts for SirHarley_38:
(Start: 1 @32230 has 21 MA's), (3, 32278), (4, 32296), (7, 32422), (10, 32512), (12, 32521), (13, 32533), (14, 32590), (15, 32650), (17, 32680),

Gene: Thoth_39 Start: 32295, Stop: 32750, Start Num: 1
Candidate Starts for Thoth_39:
(Start: 1 @32295 has 21 MA's), (3, 32343), (4, 32361), (7, 32487), (10, 32577), (12, 32586), (13, 32598), (14, 32655), (15, 32715), (17, 32745),

Gene: Troll4_39 Start: 32299, Stop: 32754, Start Num: 1
Candidate Starts for Troll4_39:
(Start: 1 @32299 has 21 MA's), (3, 32347), (4, 32365), (7, 32491), (10, 32581), (12, 32590), (13, 32602), (14, 32659), (15, 32719), (17, 32749),

Gene: Visconti_39 Start: 32308, Stop: 32763, Start Num: 1
Candidate Starts for Visconti_39:
(Start: 1 @32308 has 21 MA's), (3, 32356), (4, 32374), (7, 32500), (10, 32590), (12, 32599), (13, 32611), (14, 32668), (15, 32728), (17, 32758),

Gene: WaldoWhy_40 Start: 32304, Stop: 32759, Start Num: 1
Candidate Starts for WaldoWhy_40:
(Start: 1 @32304 has 21 MA's), (3, 32352), (4, 32370), (7, 32496), (10, 32586), (12, 32595), (13, 32607), (14, 32664), (15, 32724), (17, 32754),