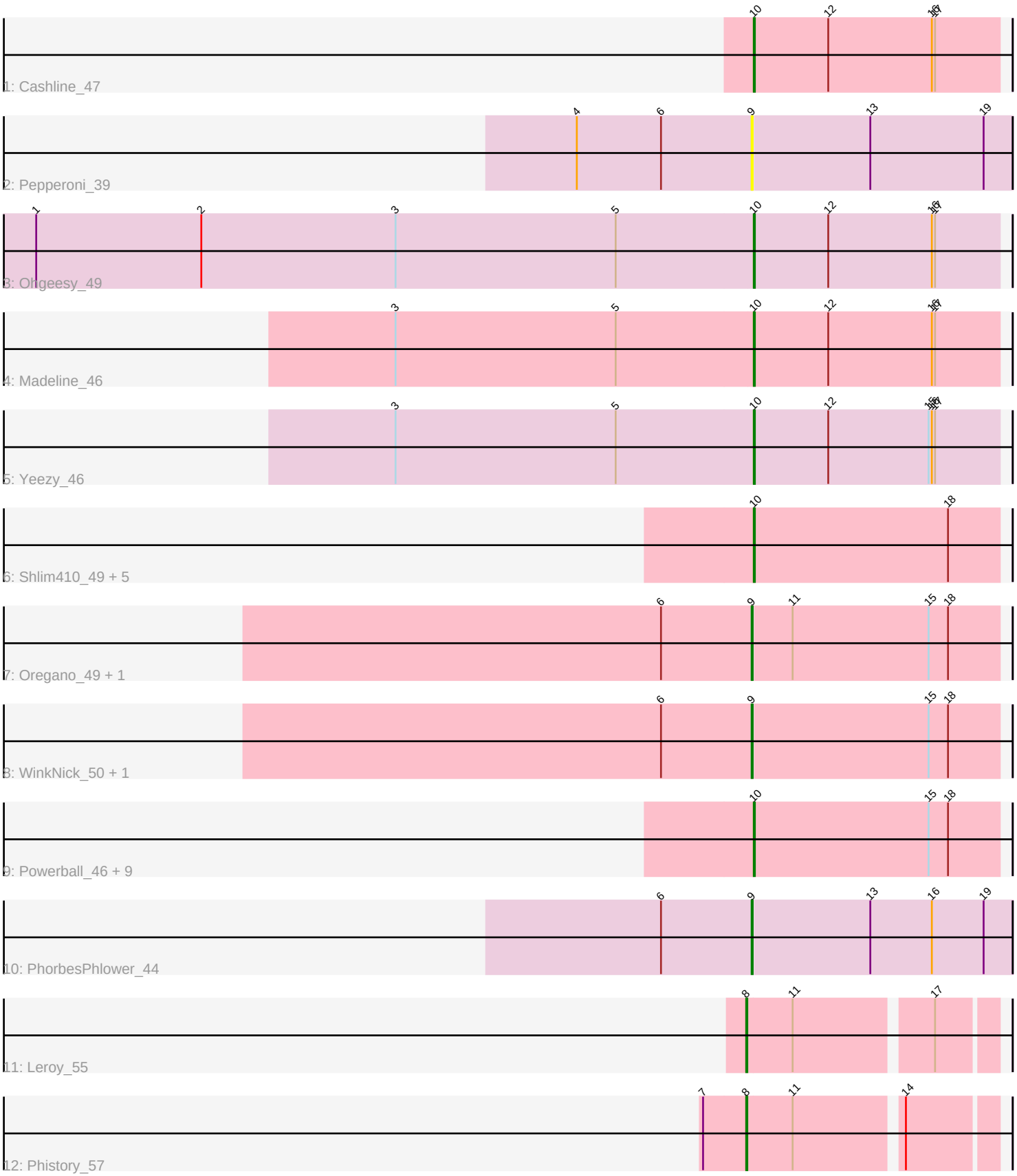
Pham 216446


10
12
16
17
1: Cashline_47
4
6
9
13
19
2: Pepperoni_39
1
2
3
5
10
12
16
17
3: Ohgeesy_49
3
5
10
12
16
17
4: Madeline_46
3
5
10
12
15
16
17
5: Yeezy_46
10
18
6: Shlim410_49 + 5
6
9
11
15
18
7: Oregano_49 + 1
6
9
15
18
8: WinkNick_50 + 1
10
15
18
9: Powerball_46 + 9
6
9
13
16
19
10: PhorbesPhlower_44
8
11
17
11: Leroy_55
7
8
11
14
12: Phistory_57

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 216446 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216446 has 28 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Cashline_47
• Track 2 : Pepperoni_39
• Track 3 : Ohgeesy_49
• Track 4 : Madeline_46
• Track 5 : Yeezy_46
• Track 6 : Shlim410_49, Hortense_51, Twinkle_50, Mcklovin_47, Howe_51, Adora_48
• Track 7 : Oregano_49, Annalisa_46
• Track 8 : WinkNick_50, Dolores_49
• Track 9 : Powerball_46, Dorito_44, Thimann_46, Sekhmet_49, Invectra_50, DobbysSock_41, Beenie_42, Samman98_49, Clark_48, MichaelScott_49
• Track 10 : PhorbesPhlower_44
• Track 11 : Leroy_55
• Track 12 : Phistory_57

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

The start number called the most often in the published annotations is 10, it was called in 19 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adora_48, Beenie_42, Cashline_47, Clark_48, DobbysSock_41, Dorito_44, Hortense_51, Howe_51, Invectra_50, Madeline_46, Mcklovin_47, MichaelScott_49, Ohgeesy_49, Powerball_46, Samman98_49, Sekhmet_49, Shlim410_49, Thimann_46, Twinkle_50, Yeezy_46,

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

Genes that do not have the "Most Annotated" start:
• Annalisa_46, Dolores_49, Leroy_55, Oregano_49, Pepperoni_39, Phistory_57, PhorbesPhlower_44, WinkNick_50,

Summary by start number:

Start 8:
• Found in 2 of 28 (7.1%) of genes in pham
• Manual Annotations of this start: 2 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Leroy_55 (DN1), Phistory_57 (DN1),

Start 9:
• Found in 6 of 28 (21.4%) of genes in pham
• Manual Annotations of this start: 5 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annalisa_46 (CZ4), Dolores_49 (CZ4), Oregano_49 (CZ4), Pepperoni_39 (CZ), PhorbesPhlower_44 (DH), WinkNick_50 (CZ4),

Start 10:
• Found in 20 of 28 (71.4%) of genes in pham
• Manual Annotations of this start: 19 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adora_48 (CZ4), Beenie_42 (CZ4), Cashline_47 (CY), Clark_48 (CZ4), DobbysSock_41 (CZ4), Dorito_44 (CZ4), Hortense_51 (CZ4), Howe_51 (CZ4), Invectra_50 (CZ4), Madeline_46 (CZ1), Mcklovin_47 (CZ4), MichaelScott_49 (CZ4), Ohgeesy_49 (CZ), Powerball_46 (CZ4), Samman98_49 (CZ4), Sekhmet_49 (CZ4), Shlim410_49 (CZ4), Thimann_46 (CZ4), Twinkle_50 (CZ4), Yeezy_46 (CZ3),

Summary by clusters:

There are 7 clusters represented in this pham: DH, CZ3, CZ1, CZ4, CZ, CY, DN1,

Info for manual annotations of cluster CY:
•Start number 10 was manually annotated 1 time for cluster CY.

Info for manual annotations of cluster CZ:
•Start number 10 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 10 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ3:
•Start number 10 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 9 was manually annotated 4 times for cluster CZ4.
•Start number 10 was manually annotated 15 times for cluster CZ4.

Info for manual annotations of cluster DH:
•Start number 9 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN1:
•Start number 8 was manually annotated 2 times for cluster DN1.

Gene Information:

Gene: Adora_48 Start: 37387, Stop: 37614, Start Num: 10
Candidate Starts for Adora_48:
(Start: 10 @37387 has 19 MA's), (18, 37567),

Gene: Annalisa_46 Start: 34052, Stop: 34279, Start Num: 9
Candidate Starts for Annalisa_46:
(6, 33968), (Start: 9 @34052 has 5 MA's), (11, 34088), (15, 34214), (18, 34232),

Gene: Beenie_42 Start: 34798, Stop: 35025, Start Num: 10
Candidate Starts for Beenie_42:
(Start: 10 @34798 has 19 MA's), (15, 34960), (18, 34978),

Gene: Cashline_47 Start: 37401, Stop: 37628, Start Num: 10
Candidate Starts for Cashline_47:
(Start: 10 @37401 has 19 MA's), (12, 37470), (16, 37566), (17, 37569),

Gene: Clark_48 Start: 34615, Stop: 34842, Start Num: 10
Candidate Starts for Clark_48:
(Start: 10 @34615 has 19 MA's), (15, 34777), (18, 34795),

Gene: DobbysSock_41 Start: 33457, Stop: 33684, Start Num: 10
Candidate Starts for DobbysSock_41:
(Start: 10 @33457 has 19 MA's), (15, 33619), (18, 33637),

Gene: Dolores_49 Start: 35132, Stop: 35359, Start Num: 9
Candidate Starts for Dolores_49:
(6, 35048), (Start: 9 @35132 has 5 MA's), (15, 35294), (18, 35312),

Gene: Dorito_44 Start: 33102, Stop: 33329, Start Num: 10
Candidate Starts for Dorito_44:
(Start: 10 @33102 has 19 MA's), (15, 33264), (18, 33282),

Gene: Hortense_51 Start: 38742, Stop: 38969, Start Num: 10
Candidate Starts for Hortense_51:
(Start: 10 @38742 has 19 MA's), (18, 38922),

Gene: Howe_51 Start: 38742, Stop: 38969, Start Num: 10
Candidate Starts for Howe_51:
(Start: 10 @38742 has 19 MA's), (18, 38922),

Gene: Invectra_50 Start: 36189, Stop: 36416, Start Num: 10
Candidate Starts for Invectra_50:
(Start: 10 @36189 has 19 MA's), (15, 36351), (18, 36369),

Gene: Leroy_55 Start: 36252, Stop: 36467, Start Num: 8
Candidate Starts for Leroy_55:
(Start: 8 @36252 has 2 MA's), (11, 36294), (17, 36414),

Gene: Madeline_46 Start: 36834, Stop: 37061, Start Num: 10
Candidate Starts for Madeline_46:
(3, 36504), (5, 36708), (Start: 10 @36834 has 19 MA's), (12, 36903), (16, 36999), (17, 37002),

Gene: Mcklovin_47 Start: 40209, Stop: 40436, Start Num: 10
Candidate Starts for Mcklovin_47:
(Start: 10 @40209 has 19 MA's), (18, 40389),

Gene: MichaelScott_49 Start: 36092, Stop: 36319, Start Num: 10
Candidate Starts for MichaelScott_49:
(Start: 10 @36092 has 19 MA's), (15, 36254), (18, 36272),

Gene: Ohgeesy_49 Start: 37629, Stop: 37856, Start Num: 10
Candidate Starts for Ohgeesy_49:
(1, 36966), (2, 37119), (3, 37299), (5, 37503), (Start: 10 @37629 has 19 MA's), (12, 37698), (16, 37794), (17, 37797),

Gene: Oregano_49 Start: 34685, Stop: 34912, Start Num: 9
Candidate Starts for Oregano_49:
(6, 34601), (Start: 9 @34685 has 5 MA's), (11, 34721), (15, 34847), (18, 34865),

Gene: Pepperoni_39 Start: 30505, Stop: 30744, Start Num: 9
Candidate Starts for Pepperoni_39:
(4, 30343), (6, 30421), (Start: 9 @30505 has 5 MA's), (13, 30613), (19, 30718),

Gene: Phistory_57 Start: 36512, Stop: 36727, Start Num: 8
Candidate Starts for Phistory_57:
(7, 36473), (Start: 8 @36512 has 2 MA's), (11, 36554), (14, 36647),

Gene: PhorbesPhlower_44 Start: 30696, Stop: 30935, Start Num: 9
Candidate Starts for PhorbesPhlower_44:
(6, 30612), (Start: 9 @30696 has 5 MA's), (13, 30804), (16, 30861), (19, 30909),

Gene: Powerball_46 Start: 34959, Stop: 35186, Start Num: 10
Candidate Starts for Powerball_46:
(Start: 10 @34959 has 19 MA's), (15, 35121), (18, 35139),

Gene: Samman98_49 Start: 34718, Stop: 34945, Start Num: 10
Candidate Starts for Samman98_49:
(Start: 10 @34718 has 19 MA's), (15, 34880), (18, 34898),

Gene: Sekhmet_49 Start: 35618, Stop: 35845, Start Num: 10
Candidate Starts for Sekhmet_49:
(Start: 10 @35618 has 19 MA's), (15, 35780), (18, 35798),

Gene: Shlim410_49 Start: 38742, Stop: 38969, Start Num: 10
Candidate Starts for Shlim410_49:
(Start: 10 @38742 has 19 MA's), (18, 38922),

Gene: Thimann_46 Start: 33983, Stop: 34210, Start Num: 10
Candidate Starts for Thimann_46:
(Start: 10 @33983 has 19 MA's), (15, 34145), (18, 34163),

Gene: Twinkle_50 Start: 39801, Stop: 40028, Start Num: 10
Candidate Starts for Twinkle_50:
(Start: 10 @39801 has 19 MA's), (18, 39981),

Gene: WinkNick_50 Start: 35055, Stop: 35282, Start Num: 9
Candidate Starts for WinkNick_50:
(6, 34971), (Start: 9 @35055 has 5 MA's), (15, 35217), (18, 35235),

Gene: Yeezy_46 Start: 34678, Stop: 34905, Start Num: 10
Candidate Starts for Yeezy_46:
(3, 34348), (5, 34552), (Start: 10 @34678 has 19 MA's), (12, 34747), (15, 34840), (16, 34843), (17, 34846),