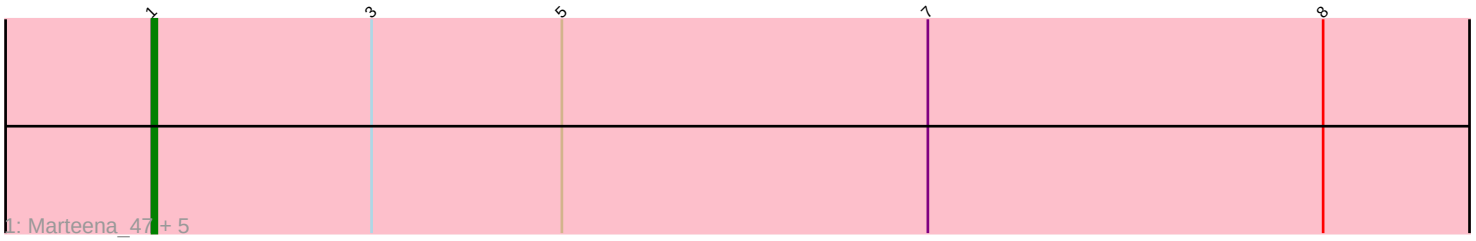
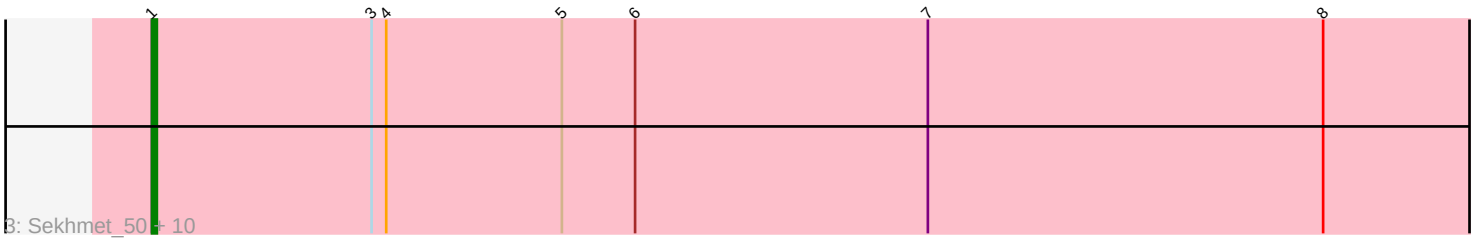
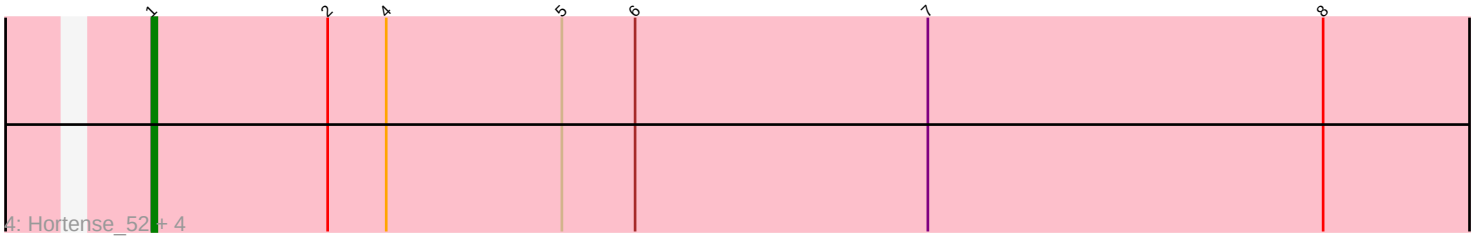
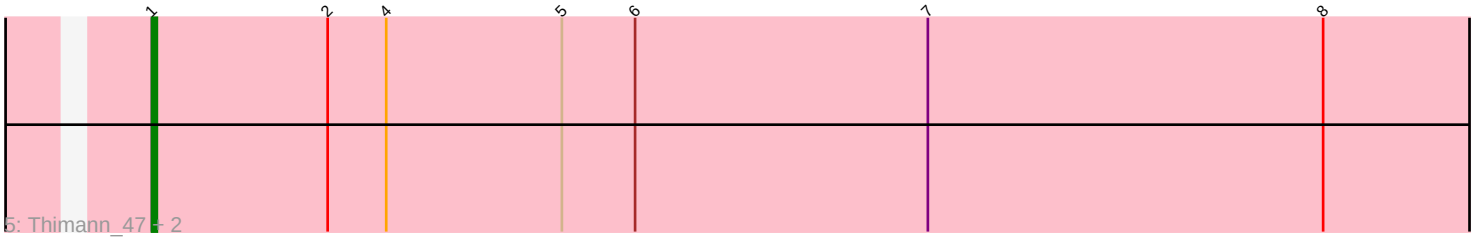
Pham 347933

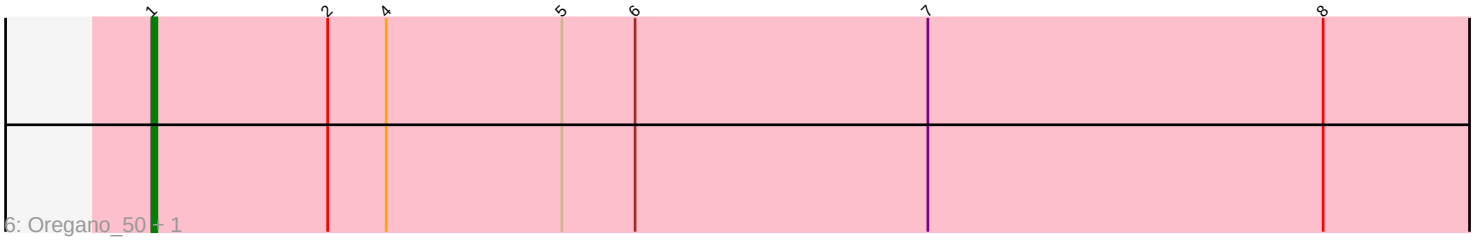

1
3
5
7
8
1: Marteena_47 + 5


1
3
5
7
8
2: Cashline_48


1
3
4
5
6
7
8
3: Sekhmet_50 + 10


1
2
4
5
6
7
8
4: Hortense_52 + 4


1
2
4
5
6
7
8
5: Thimann_47 + 2


1
2
4
5
6
7
8
6: Oregano_50 + 1

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 347933 Report

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

Pham number 347933 has 28 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Marteena_47, RavenCo17_48, EMsquaredA_48, BeeGee_55, Pollux_50, Floral_48
• Track 2 : Cashline_48
• Track 3 : Sekhmet_50, Beenie_43, WinkNick_51, Samman98_50, Tuti_45, MichaelScott_50, Invectra_51, Dorito_45, Rizz_50, Dolores_50, Clark_49
• Track 4 : Hortense_52, Shlim410_50, Twinkle_51, Howe_52, Adora_49
• Track 5 : Thimann_47, DobbysSock_42, Mcklovin_48
• Track 6 : Oregano_50, Annalisa_47

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 27 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adora_49, Annalisa_47, BeeGee_55, Beenie_43, Cashline_48, Clark_49, DobbysSock_42, Dolores_50, Dorito_45, EMsquaredA_48, Floral_48, Hortense_52, Howe_52, Invectra_51, Marteena_47, Mcklovin_48, MichaelScott_50, Oregano_50, Pollux_50, RavenCo17_48, Rizz_50, Samman98_50, Sekhmet_50, Shlim410_50, Thimann_47, Tuti_45, Twinkle_51, WinkNick_51,

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 28 of 28 (100.0%) of genes in pham
• Manual Annotations of this start: 27 of 27
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Adora_49 (CZ4), Annalisa_47 (CZ4), BeeGee_55 (CY5), Beenie_43 (CZ4), Cashline_48 (CY6), Clark_49 (CZ4), DobbysSock_42 (CZ4), Dolores_50 (CZ4), Dorito_45 (CZ4), EMsquaredA_48 (CY1), Floral_48 (CY1), Hortense_52 (CZ4), Howe_52 (CZ4), Invectra_51 (CZ4), Marteena_47 (CY1), Mcklovin_48 (CZ4), MichaelScott_50 (CZ4), Oregano_50 (CZ4), Pollux_50 (CY1), RavenCo17_48 (CZ8), Rizz_50 (CZ4), Samman98_50 (CZ4), Sekhmet_50 (CZ4), Shlim410_50 (CZ4), Thimann_47 (CZ4), Tuti_45 (CZ4), Twinkle_51 (CZ4), WinkNick_51 (CZ4),

Summary by clusters:

There are 5 clusters represented in this pham: CY5, CY1, CZ8, CZ4, CY6,

Info for manual annotations of cluster CY1:
•Start number 1 was manually annotated 4 times for cluster CY1.

Info for manual annotations of cluster CY5:
•Start number 1 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:
•Start number 1 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CZ4:
•Start number 1 was manually annotated 20 times for cluster CZ4.

Info for manual annotations of cluster CZ8:
•Start number 1 was manually annotated 1 time for cluster CZ8.

Gene Information:

Gene: Adora_49 Start: 37611, Stop: 37889, Start Num: 1
Candidate Starts for Adora_49:
(Start: 1 @37611 has 27 MA's), (2, 37647), (4, 37659), (5, 37695), (6, 37710), (7, 37770), (8, 37851),

Gene: Annalisa_47 Start: 34276, Stop: 34554, Start Num: 1
Candidate Starts for Annalisa_47:
(Start: 1 @34276 has 27 MA's), (2, 34312), (4, 34324), (5, 34360), (6, 34375), (7, 34435), (8, 34516),

Gene: BeeGee_55 Start: 37864, Stop: 38145, Start Num: 1
Candidate Starts for BeeGee_55:
(Start: 1 @37864 has 27 MA's), (3, 37909), (5, 37948), (7, 38023), (8, 38104),

Gene: Beenie_43 Start: 35022, Stop: 35300, Start Num: 1
Candidate Starts for Beenie_43:
(Start: 1 @35022 has 27 MA's), (3, 35067), (4, 35070), (5, 35106), (6, 35121), (7, 35181), (8, 35262),

Gene: Cashline_48 Start: 37625, Stop: 37906, Start Num: 1
Candidate Starts for Cashline_48:
(Start: 1 @37625 has 27 MA's), (3, 37670), (5, 37709), (7, 37784), (8, 37865),

Gene: Clark_49 Start: 34839, Stop: 35117, Start Num: 1

Candidate Starts for Clark_49:
(Start: 1 @34839 has 27 MA's), (3, 34884), (4, 34887), (5, 34923), (6, 34938), (7, 34998), (8, 35079),

Gene: DobbysSock_42 Start: 33681, Stop: 33959, Start Num: 1
Candidate Starts for DobbysSock_42:
(Start: 1 @33681 has 27 MA's), (2, 33717), (4, 33729), (5, 33765), (6, 33780), (7, 33840), (8, 33921),

Gene: Dolores_50 Start: 35356, Stop: 35634, Start Num: 1
Candidate Starts for Dolores_50:
(Start: 1 @35356 has 27 MA's), (3, 35401), (4, 35404), (5, 35440), (6, 35455), (7, 35515), (8, 35596),

Gene: Dorito_45 Start: 33326, Stop: 33604, Start Num: 1
Candidate Starts for Dorito_45:
(Start: 1 @33326 has 27 MA's), (3, 33371), (4, 33374), (5, 33410), (6, 33425), (7, 33485), (8, 33566),

Gene: EMsquaredA_48 Start: 36285, Stop: 36566, Start Num: 1
Candidate Starts for EMsquaredA_48:
(Start: 1 @36285 has 27 MA's), (3, 36330), (5, 36369), (7, 36444), (8, 36525),

Gene: Floral_48 Start: 37769, Stop: 38050, Start Num: 1
Candidate Starts for Floral_48:
(Start: 1 @37769 has 27 MA's), (3, 37814), (5, 37853), (7, 37928), (8, 38009),

Gene: Hortense_52 Start: 38966, Stop: 39244, Start Num: 1
Candidate Starts for Hortense_52:
(Start: 1 @38966 has 27 MA's), (2, 39002), (4, 39014), (5, 39050), (6, 39065), (7, 39125), (8, 39206),

Gene: Howe_52 Start: 38966, Stop: 39244, Start Num: 1
Candidate Starts for Howe_52:
(Start: 1 @38966 has 27 MA's), (2, 39002), (4, 39014), (5, 39050), (6, 39065), (7, 39125), (8, 39206),

Gene: Invectra_51 Start: 36413, Stop: 36691, Start Num: 1
Candidate Starts for Invectra_51:
(Start: 1 @36413 has 27 MA's), (3, 36458), (4, 36461), (5, 36497), (6, 36512), (7, 36572), (8, 36653),

Gene: Marteena_47 Start: 36285, Stop: 36566, Start Num: 1
Candidate Starts for Marteena_47:
(Start: 1 @36285 has 27 MA's), (3, 36330), (5, 36369), (7, 36444), (8, 36525),

Gene: Mcklovin_48 Start: 40433, Stop: 40711, Start Num: 1
Candidate Starts for Mcklovin_48:
(Start: 1 @40433 has 27 MA's), (2, 40469), (4, 40481), (5, 40517), (6, 40532), (7, 40592), (8, 40673),

Gene: MichaelScott_50 Start: 36316, Stop: 36594, Start Num: 1
Candidate Starts for MichaelScott_50:
(Start: 1 @36316 has 27 MA's), (3, 36361), (4, 36364), (5, 36400), (6, 36415), (7, 36475), (8, 36556),

Gene: Oregano_50 Start: 34909, Stop: 35187, Start Num: 1
Candidate Starts for Oregano_50:
(Start: 1 @34909 has 27 MA's), (2, 34945), (4, 34957), (5, 34993), (6, 35008), (7, 35068), (8, 35149),

Gene: Pollux_50 Start: 37769, Stop: 38050, Start Num: 1
Candidate Starts for Pollux_50:

(Start: 1 @37769 has 27 MA's), (3, 37814), (5, 37853), (7, 37928), (8, 38009),

Gene: RavenCo17_48 Start: 36590, Stop: 36871, Start Num: 1
Candidate Starts for RavenCo17_48:
(Start: 1 @36590 has 27 MA's), (3, 36635), (5, 36674), (7, 36749), (8, 36830),

Gene: Rizz_50 Start: 35625, Stop: 35903, Start Num: 1
Candidate Starts for Rizz_50:
(Start: 1 @35625 has 27 MA's), (3, 35670), (4, 35673), (5, 35709), (6, 35724), (7, 35784), (8, 35865),

Gene: Samman98_50 Start: 34942, Stop: 35220, Start Num: 1
Candidate Starts for Samman98_50:
(Start: 1 @34942 has 27 MA's), (3, 34987), (4, 34990), (5, 35026), (6, 35041), (7, 35101), (8, 35182),

Gene: Sekhmet_50 Start: 35842, Stop: 36120, Start Num: 1
Candidate Starts for Sekhmet_50:
(Start: 1 @35842 has 27 MA's), (3, 35887), (4, 35890), (5, 35926), (6, 35941), (7, 36001), (8, 36082),

Gene: Shlim410_50 Start: 38966, Stop: 39244, Start Num: 1
Candidate Starts for Shlim410_50:
(Start: 1 @38966 has 27 MA's), (2, 39002), (4, 39014), (5, 39050), (6, 39065), (7, 39125), (8, 39206),

Gene: Thimann_47 Start: 34207, Stop: 34485, Start Num: 1
Candidate Starts for Thimann_47:
(Start: 1 @34207 has 27 MA's), (2, 34243), (4, 34255), (5, 34291), (6, 34306), (7, 34366), (8, 34447),

Gene: Tuti_45 Start: 35657, Stop: 35935, Start Num: 1
Candidate Starts for Tuti_45:
(Start: 1 @35657 has 27 MA's), (3, 35702), (4, 35705), (5, 35741), (6, 35756), (7, 35816), (8, 35897),

Gene: Twinkle_51 Start: 40025, Stop: 40303, Start Num: 1
Candidate Starts for Twinkle_51:
(Start: 1 @40025 has 27 MA's), (2, 40061), (4, 40073), (5, 40109), (6, 40124), (7, 40184), (8, 40265),

Gene: WinkNick_51 Start: 35279, Stop: 35557, Start Num: 1
Candidate Starts for WinkNick_51:
(Start: 1 @35279 has 27 MA's), (3, 35324), (4, 35327), (5, 35363), (6, 35378), (7, 35438), (8, 35519),