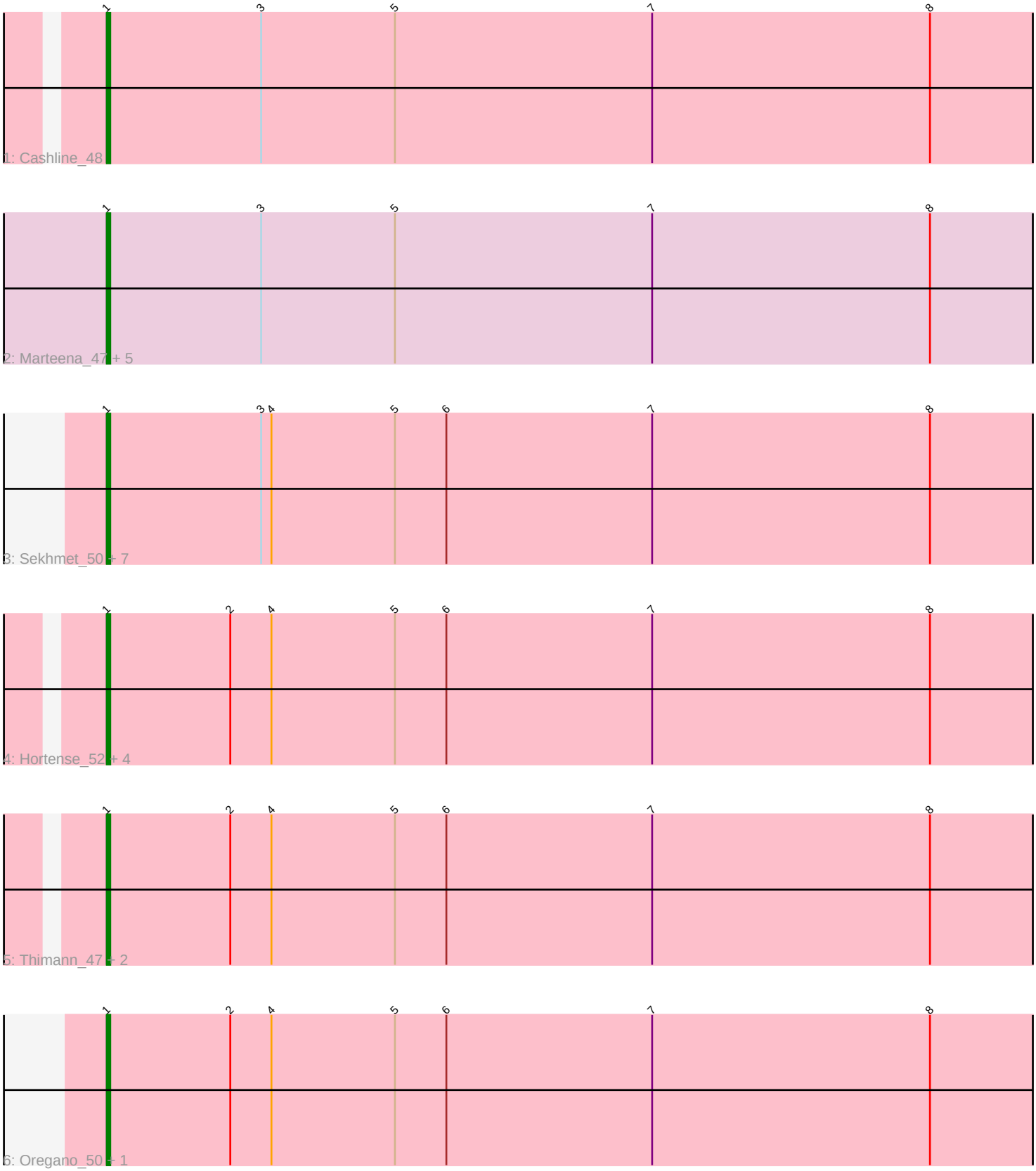
Pham 160685


1
3
5
7
8
1: Cashline_48
1
3
5
7
8
2: Marteena_47 + 5
1
3 4
5
6
7
8
3: Sekhmet_50 + 7
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 160685 Report

This analysis was run 05/04/24 on database version 560.

Pham number 160685 has 25 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Cashline_48
• Track 2 : Marteena_47, RavenCo17_48, EMsquaredA_48, BeeGee_55, Pollux_50, Floral_48
• Track 3 : Sekhmet_50, Beenie_43, WinkNick_51, Samman98_50, MichaelScott_50, Dorito_45, 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_48

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 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adora_49, Annalisa_48, BeeGee_55, Beenie_43, Cashline_48, Clark_49, DobbysSock_42, Dolores_50, Dorito_45, EMsquaredA_48, Floral_48, Hortense_52, Howe_52, Marteena_47, Mcklovin_48, MichaelScott_50, Oregano_50, Pollux_50, RavenCo17_48, Samman98_50, Sekhmet_50, Shlim410_50, Thimann_47, 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 25 of 25 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 24
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Adora_49 (CZ4), Annalisa_48 (CZ4), BeeGee_55 (CY), Beenie_43 (CZ4), Cashline_48 (CY), Clark_49 (CZ4), DobbysSock_42 (CZ4), Dolores_50 (CZ4), Dorito_45 (CZ4), EMsquaredA_48 (CY1), Floral_48 (CY1), Hortense_52 (CZ4), Howe_52 (CZ4), Marteena_47 (CY1), Mcklovin_48 (CZ4), MichaelScott_50 (CZ4), Oregano_50 (CZ4), Pollux_50 (CY1), RavenCo17_48 (CZ8), Samman98_50 (CZ4), Sekhmet_50 (CZ4), Shlim410_50 (CZ4), Thimann_47 (CZ4), Twinkle_51 (CZ4), WinkNick_51 (CZ4),

Summary by clusters:

There are 4 clusters represented in this pham: CY1, CY, CZ8, CZ4,

Info for manual annotations of cluster CY:
•Start number 1 was manually annotated 2 times for cluster CY.

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

Info for manual annotations of cluster CZ4:
•Start number 1 was manually annotated 17 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 24 MA's), (2, 37647), (4, 37659), (5, 37695), (6, 37710), (7, 37770), (8, 37851),

Gene: Annalisa_48 Start: 34276, Stop: 34554, Start Num: 1
Candidate Starts for Annalisa_48:
(Start: 1 @34276 has 24 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 24 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 24 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 24 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 24 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 24 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 24 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 24 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 24 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 24 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 24 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 24 MA's), (2, 39002), (4, 39014), (5, 39050), (6, 39065), (7, 39125), (8, 39206),

Gene: Marteena_47 Start: 36285, Stop: 36566, Start Num: 1
Candidate Starts for Marteena_47:
(Start: 1 @36285 has 24 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 24 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 24 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 24 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 24 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 24 MA's), (3, 36635), (5, 36674), (7, 36749), (8, 36830),

Gene: Samman98_50 Start: 34942, Stop: 35220, Start Num: 1
Candidate Starts for Samman98_50:

(Start: 1 @34942 has 24 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 24 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 24 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 24 MA's), (2, 34243), (4, 34255), (5, 34291), (6, 34306), (7, 34366), (8, 34447),

Gene: Twinkle_51 Start: 40025, Stop: 40303, Start Num: 1
Candidate Starts for Twinkle_51:
(Start: 1 @40025 has 24 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 24 MA's), (3, 35324), (4, 35327), (5, 35363), (6, 35378), (7, 35438), (8, 35519),