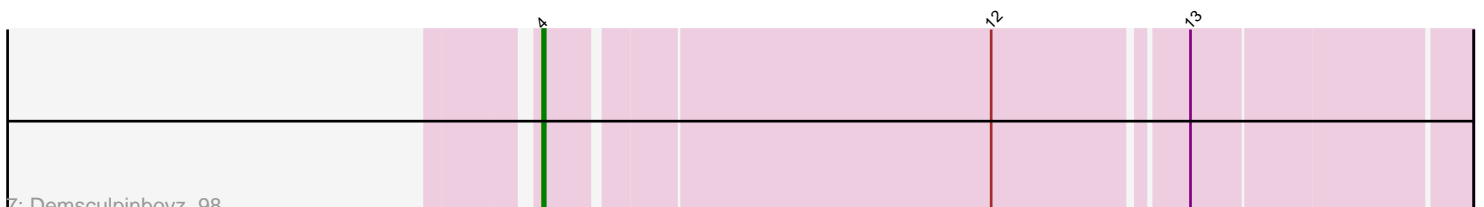
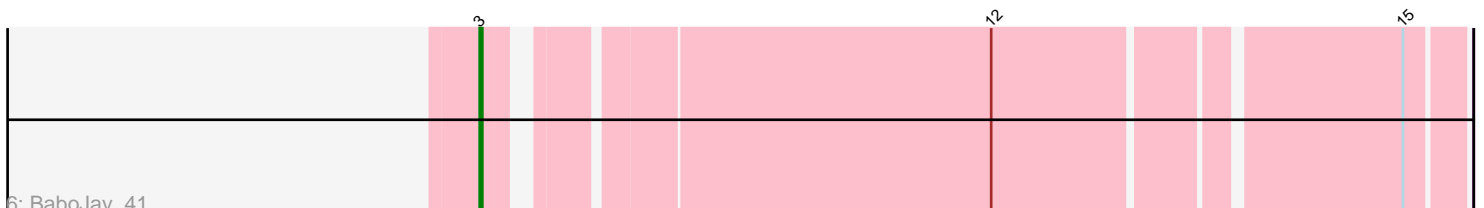
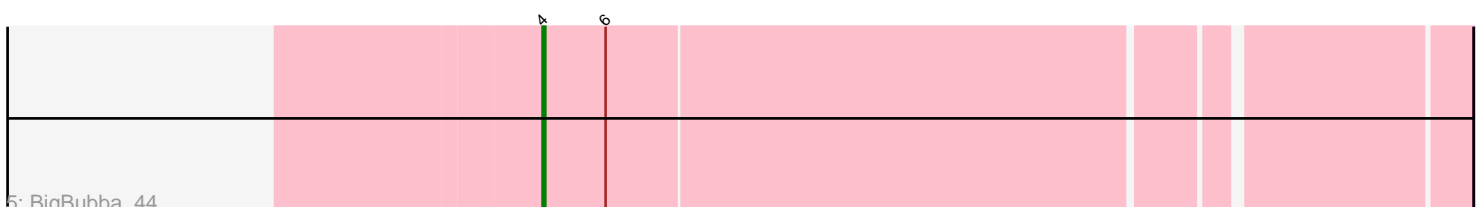
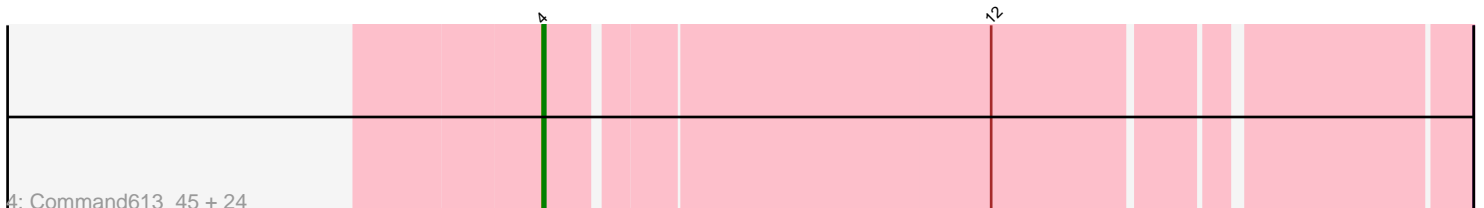
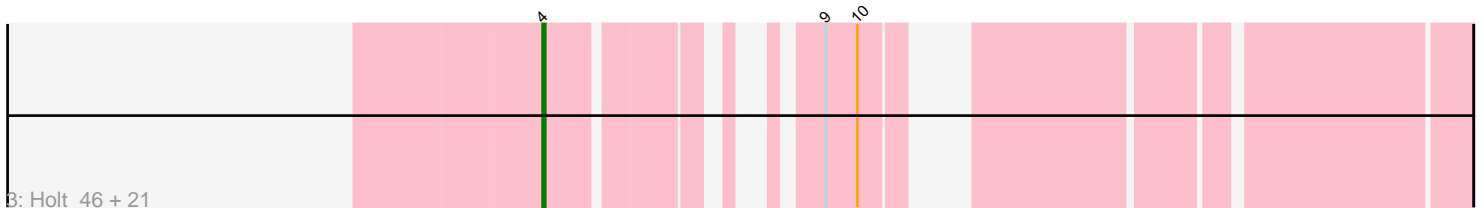
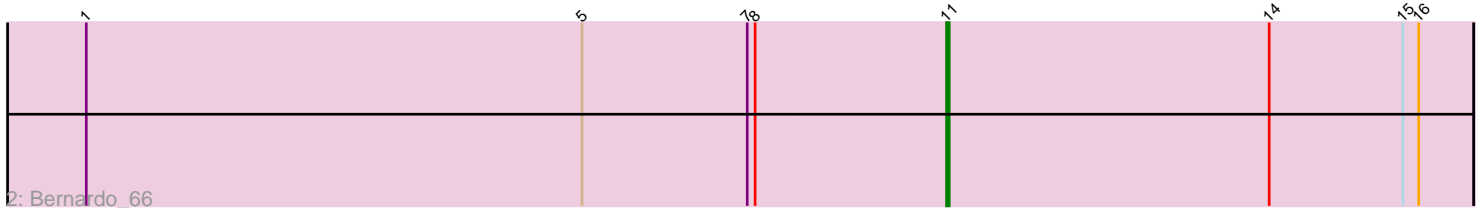
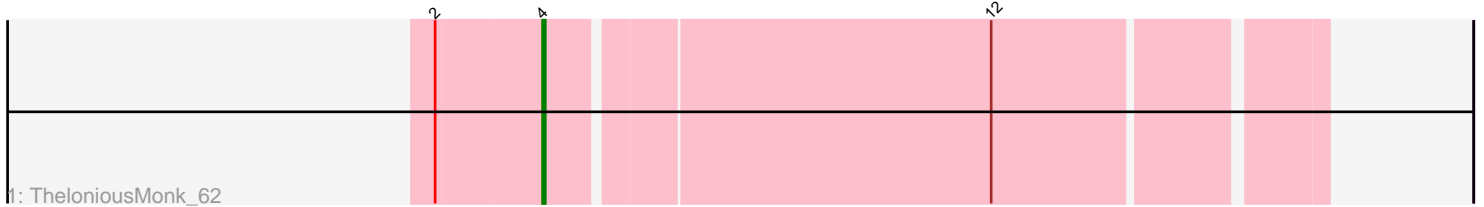


Pham 171517



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 171517 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171517 has 52 members, 5 are drafts.

Phages represented in each track:

- Track 1 : TheloniousMonk_62
- Track 2 : Bernardo_66
- Track 3 : Holt_46, MPhalcon_43, MISSy_43, Phaux_45, Buck_44, Murica_45, Kostya_44, Rimmer_44, Quallification_44, Nala_44, Terminus_45, Petra64142_48, PhatBacter_46, FireRed_46, Policronamos_48, Palpatine_46, xkcd_47, HufflyPuff_45, Misfit_45, Youngblood_45, BugsBunny_44, Nimrod_46
- Track 4 : Command613_45, Icee_43, Goldilocks_45, StolenFromERC_46, Rakim_45, Sotrice96_44, Moldemort_46, Gage_46, Highbury_44, Kimchi_46, Stank_47, Cactus_45, Asriel_43, AmericanBeauty_48, Adnama_47, Barbarian_43, Saints25_44, Gemini_47, Argent26_46, Hoonter_46, Wiggin_45, Bask21_44, GooberAzure_46, TBrady12_46, GoldenSpark_46
- Track 5 : BigBubba_44
- Track 6 : BaboJay_41
- Track 7 : Demsculpinboyz_98

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

The start number called the most often in the published annotations is 4, it was called in 45 of the 47 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adnama_47, AmericanBeauty_48, Argent26_46, Asriel_43, Barbarian_43, Bask21_44, BigBubba_44, Buck_44, BugsBunny_44, Cactus_45, Command613_45, Demsculpinboyz_98, FireRed_46, Gage_46, Gemini_47, GoldenSpark_46, Goldilocks_45, GooberAzure_46, Highbury_44, Holt_46, Hoonter_46, HufflyPuff_45, Icee_43, Kimchi_46, Kostya_44, MISSy_43, MPhalcon_43, Misfit_45, Moldemort_46, Murica_45, Nala_44, Nimrod_46, Palpatine_46, Petra64142_48, PhatBacter_46, Phaux_45, Policronamos_48, Quallification_44, Rakim_45, Rimmer_44, Saints25_44, Sotrice96_44, Stank_47, StolenFromERC_46, TBrady12_46, Terminus_45, TheloniousMonk_62, Wiggin_45, Youngblood_45, xkcd_47,

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

-

Genes that do not have the "Most Annotated" start:

- BaboJay_41, Bernardo_66,

Summary by start number:

Start 3:

- Found in 1 of 52 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 47
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BaboJay_41 (E),

Start 4:

- Found in 50 of 52 (96.2%) of genes in pham
- Manual Annotations of this start: 45 of 47
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adnama_47 (E), AmericanBeauty_48 (E), Argent26_46 (E), Asriel_43 (E), Barbarian_43 (E), Bask21_44 (E), BigBubba_44 (E), Buck_44 (E), BugsBunny_44 (E), Cactus_45 (E), Command613_45 (E), Demsculpinboyz_98 (F2), FireRed_46 (E), Gage_46 (E), Gemini_47 (E), GoldenSpark_46 (E), Goldilocks_45 (E), GooberAzure_46 (E), Highbury_44 (E), Holt_46 (E), Hoonter_46 (E), HufflyPuff_45 (E), Icee_43 (E), Kimchi_46 (E), Kostya_44 (E), MISSy_43 (E), MPhalcon_43 (E), Misfit_45 (E), Moldemort_46 (E), Murica_45 (E), Nala_44 (E), Nimrod_46 (E), Palpatine_46 (E), Petra64142_48 (E), PhatBacter_46 (E), Phaux_45 (E), Policronamos_48 (E), Quallification_44 (E), Rakim_45 (E), Rimmer_44 (E), Saints25_44 (E), Sotrice96_44 (E), Stank_47 (E), StolenFromERC_46 (E), TBrady12_46 (E), Terminus_45 (E), TheloniousMonk_62 (A1), Wiggin_45 (E), Youngblood_45 (E), xkcd_47 (E),

Start 11:

- Found in 1 of 52 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 47
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bernardo_66 (B3),

Summary by clusters:

There are 4 clusters represented in this pham: A1, F2, E, B3,

Info for manual annotations of cluster A1:

- Start number 4 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster B3:

- Start number 11 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster E:

- Start number 3 was manually annotated 1 time for cluster E.
- Start number 4 was manually annotated 43 times for cluster E.

Info for manual annotations of cluster F2:

- Start number 4 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: Adnama_47 Start: 36141, Stop: 35812, Start Num: 4

Candidate Starts for Adnama_47:

(Start: 4 @36141 has 45 MA's), (12, 35979),

Gene: AmericanBeauty_48 Start: 35986, Stop: 35657, Start Num: 4

Candidate Starts for AmericanBeauty_48:

(Start: 4 @35986 has 45 MA's), (12, 35824),

Gene: Argent26_46 Start: 35624, Stop: 35295, Start Num: 4

Candidate Starts for Argent26_46:

(Start: 4 @35624 has 45 MA's), (12, 35462),

Gene: Asriel_43 Start: 34478, Stop: 34149, Start Num: 4

Candidate Starts for Asriel_43:

(Start: 4 @34478 has 45 MA's), (12, 34316),

Gene: BaboJay_41 Start: 35075, Stop: 34737, Start Num: 3

Candidate Starts for BaboJay_41:

(Start: 3 @35075 has 1 MA's), (12, 34901), (15, 34757),

Gene: Barbarian_43 Start: 34478, Stop: 34149, Start Num: 4

Candidate Starts for Barbarian_43:

(Start: 4 @34478 has 45 MA's), (12, 34316),

Gene: Bask21_44 Start: 34812, Stop: 34483, Start Num: 4

Candidate Starts for Bask21_44:

(Start: 4 @34812 has 45 MA's), (12, 34650),

Gene: Bernardo_66 Start: 55939, Stop: 55739, Start Num: 11

Candidate Starts for Bernardo_66:

(1, 56266), (5, 56077), (7, 56014), (8, 56011), (Start: 11 @55939 has 1 MA's), (14, 55816), (15, 55765), (16, 55759),

Gene: BigBubba_44 Start: 35433, Stop: 35098, Start Num: 4

Candidate Starts for BigBubba_44:

(Start: 4 @35433 has 45 MA's), (6, 35409),

Gene: Buck_44 Start: 36027, Stop: 35752, Start Num: 4

Candidate Starts for Buck_44:

(Start: 4 @36027 has 45 MA's), (9, 35955), (10, 35943),

Gene: BugsBunny_44 Start: 35858, Stop: 35583, Start Num: 4

Candidate Starts for BugsBunny_44:

(Start: 4 @35858 has 45 MA's), (9, 35786), (10, 35774),

Gene: Cactus_45 Start: 34845, Stop: 34516, Start Num: 4

Candidate Starts for Cactus_45:

(Start: 4 @34845 has 45 MA's), (12, 34683),

Gene: Command613_45 Start: 35884, Stop: 35555, Start Num: 4

Candidate Starts for Command613_45:

(Start: 4 @35884 has 45 MA's), (12, 35722),

Gene: Demsculpinboyz_98 Start: 49573, Stop: 49905, Start Num: 4

Candidate Starts for Demsculpinboyz_98:

(Start: 4 @49573 has 45 MA's), (12, 49735), (13, 49804),

Gene: FireRed_46 Start: 36297, Stop: 36022, Start Num: 4

Candidate Starts for FireRed_46:

(Start: 4 @36297 has 45 MA's), (9, 36225), (10, 36213),

Gene: Gage_46 Start: 35624, Stop: 35295, Start Num: 4

Candidate Starts for Gage_46:

(Start: 4 @35624 has 45 MA's), (12, 35462),

Gene: Gemini_47 Start: 36141, Stop: 35812, Start Num: 4

Candidate Starts for Gemini_47:

(Start: 4 @36141 has 45 MA's), (12, 35979),

Gene: GoldenSpark_46 Start: 35624, Stop: 35295, Start Num: 4

Candidate Starts for GoldenSpark_46:

(Start: 4 @35624 has 45 MA's), (12, 35462),

Gene: Goldilocks_45 Start: 35126, Stop: 34797, Start Num: 4

Candidate Starts for Goldilocks_45:

(Start: 4 @35126 has 45 MA's), (12, 34964),

Gene: GooberAzure_46 Start: 35624, Stop: 35295, Start Num: 4

Candidate Starts for GooberAzure_46:

(Start: 4 @35624 has 45 MA's), (12, 35462),

Gene: Highbury_44 Start: 35223, Stop: 34894, Start Num: 4

Candidate Starts for Highbury_44:

(Start: 4 @35223 has 45 MA's), (12, 35061),

Gene: Holt_46 Start: 35597, Stop: 35322, Start Num: 4

Candidate Starts for Holt_46:

(Start: 4 @35597 has 45 MA's), (9, 35525), (10, 35513),

Gene: Hoonter_46 Start: 35624, Stop: 35295, Start Num: 4

Candidate Starts for Hoonter_46:

(Start: 4 @35624 has 45 MA's), (12, 35462),

Gene: HuffyPuff_45 Start: 36253, Stop: 35978, Start Num: 4

Candidate Starts for HuffyPuff_45:

(Start: 4 @36253 has 45 MA's), (9, 36181), (10, 36169),

Gene: Icee_43 Start: 35292, Stop: 34963, Start Num: 4

Candidate Starts for Icee_43:

(Start: 4 @35292 has 45 MA's), (12, 35130),

Gene: Kimchi_46 Start: 35627, Stop: 35298, Start Num: 4

Candidate Starts for Kimchi_46:

(Start: 4 @35627 has 45 MA's), (12, 35465),

Gene: Kostya_44 Start: 35744, Stop: 35469, Start Num: 4
Candidate Starts for Kostya_44:
(Start: 4 @35744 has 45 MA's), (9, 35672), (10, 35660),

Gene: MISSy_43 Start: 35306, Stop: 35031, Start Num: 4
Candidate Starts for MISSy_43:
(Start: 4 @35306 has 45 MA's), (9, 35234), (10, 35222),

Gene: MPhalcon_43 Start: 35299, Stop: 35024, Start Num: 4
Candidate Starts for MPhalcon_43:
(Start: 4 @35299 has 45 MA's), (9, 35227), (10, 35215),

Gene: Misfit_45 Start: 36318, Stop: 36043, Start Num: 4
Candidate Starts for Misfit_45:
(Start: 4 @36318 has 45 MA's), (9, 36246), (10, 36234),

Gene: Moldemort_46 Start: 35741, Stop: 35412, Start Num: 4
Candidate Starts for Moldemort_46:
(Start: 4 @35741 has 45 MA's), (12, 35579),

Gene: Murica_45 Start: 36253, Stop: 35978, Start Num: 4
Candidate Starts for Murica_45:
(Start: 4 @36253 has 45 MA's), (9, 36181), (10, 36169),

Gene: Nala_44 Start: 35811, Stop: 35536, Start Num: 4
Candidate Starts for Nala_44:
(Start: 4 @35811 has 45 MA's), (9, 35739), (10, 35727),

Gene: Nimrod_46 Start: 36511, Stop: 36236, Start Num: 4
Candidate Starts for Nimrod_46:
(Start: 4 @36511 has 45 MA's), (9, 36439), (10, 36427),

Gene: Palpatine_46 Start: 36283, Stop: 36008, Start Num: 4
Candidate Starts for Palpatine_46:
(Start: 4 @36283 has 45 MA's), (9, 36211), (10, 36199),

Gene: Petra64142_48 Start: 36747, Stop: 36472, Start Num: 4
Candidate Starts for Petra64142_48:
(Start: 4 @36747 has 45 MA's), (9, 36675), (10, 36663),

Gene: PhatBacter_46 Start: 36297, Stop: 36022, Start Num: 4
Candidate Starts for PhatBacter_46:
(Start: 4 @36297 has 45 MA's), (9, 36225), (10, 36213),

Gene: Phaux_45 Start: 36295, Stop: 36020, Start Num: 4
Candidate Starts for Phaux_45:
(Start: 4 @36295 has 45 MA's), (9, 36223), (10, 36211),

Gene: Policronamos_48 Start: 36295, Stop: 36020, Start Num: 4
Candidate Starts for Policronamos_48:
(Start: 4 @36295 has 45 MA's), (9, 36223), (10, 36211),

Gene: Quallification_44 Start: 35933, Stop: 35658, Start Num: 4
Candidate Starts for Quallification_44:
(Start: 4 @35933 has 45 MA's), (9, 35861), (10, 35849),

Gene: Rakim_45 Start: 35740, Stop: 35411, Start Num: 4
Candidate Starts for Rakim_45:
(Start: 4 @35740 has 45 MA's), (12, 35578),

Gene: Rimmer_44 Start: 35637, Stop: 35362, Start Num: 4
Candidate Starts for Rimmer_44:
(Start: 4 @35637 has 45 MA's), (9, 35565), (10, 35553),

Gene: Saints25_44 Start: 35223, Stop: 34894, Start Num: 4
Candidate Starts for Saints25_44:
(Start: 4 @35223 has 45 MA's), (12, 35061),

Gene: Sotrice96_44 Start: 35588, Stop: 35259, Start Num: 4
Candidate Starts for Sotrice96_44:
(Start: 4 @35588 has 45 MA's), (12, 35426),

Gene: Stank_47 Start: 36140, Stop: 35811, Start Num: 4
Candidate Starts for Stank_47:
(Start: 4 @36140 has 45 MA's), (12, 35978),

Gene: StolenFromERC_46 Start: 35624, Stop: 35295, Start Num: 4
Candidate Starts for StolenFromERC_46:
(Start: 4 @35624 has 45 MA's), (12, 35462),

Gene: TBrady12_46 Start: 35624, Stop: 35295, Start Num: 4
Candidate Starts for TBrady12_46:
(Start: 4 @35624 has 45 MA's), (12, 35462),

Gene: Terminus_45 Start: 36318, Stop: 36043, Start Num: 4
Candidate Starts for Terminus_45:
(Start: 4 @36318 has 45 MA's), (9, 36246), (10, 36234),

Gene: TheloniousMonk_62 Start: 42583, Stop: 42305, Start Num: 4
Candidate Starts for TheloniousMonk_62:
(2, 42622), (Start: 4 @42583 has 45 MA's), (12, 42421),

Gene: Wiggin_45 Start: 35708, Stop: 35379, Start Num: 4
Candidate Starts for Wiggin_45:
(Start: 4 @35708 has 45 MA's), (12, 35546),

Gene: Youngblood_45 Start: 36248, Stop: 35973, Start Num: 4
Candidate Starts for Youngblood_45:
(Start: 4 @36248 has 45 MA's), (9, 36176), (10, 36164),

Gene: xkcd_47 Start: 36438, Stop: 36163, Start Num: 4
Candidate Starts for xkcd_47:
(Start: 4 @36438 has 45 MA's), (9, 36366), (10, 36354),