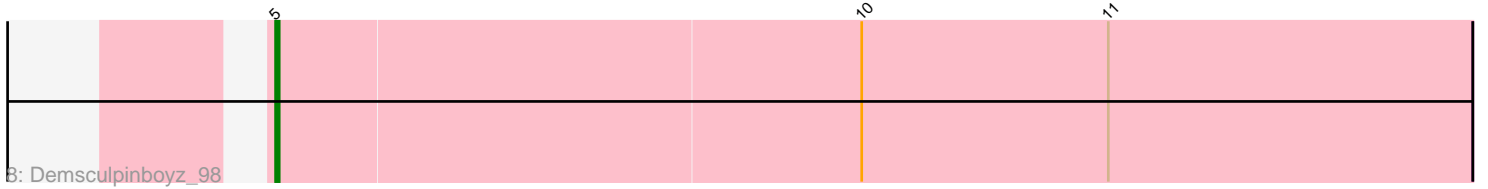
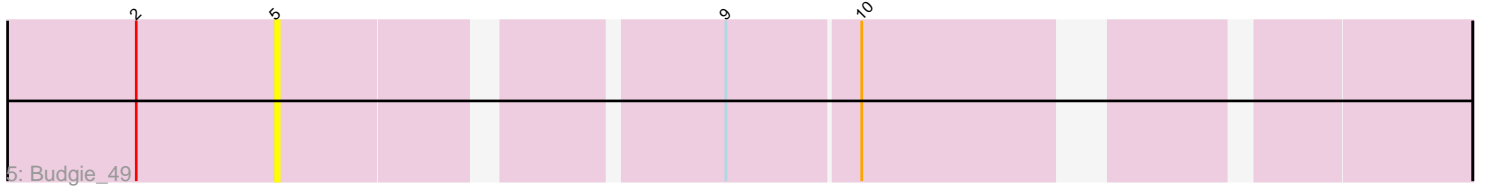
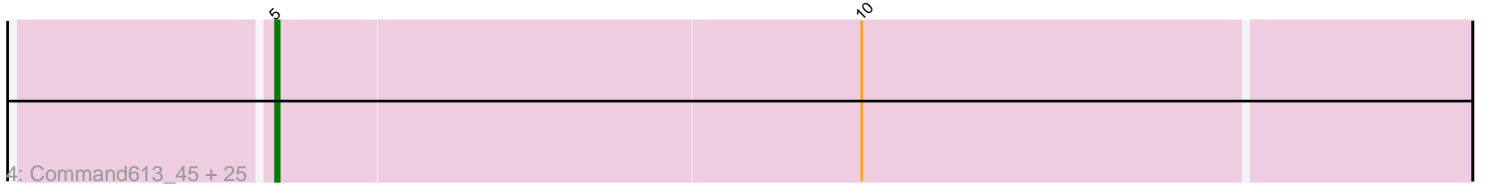
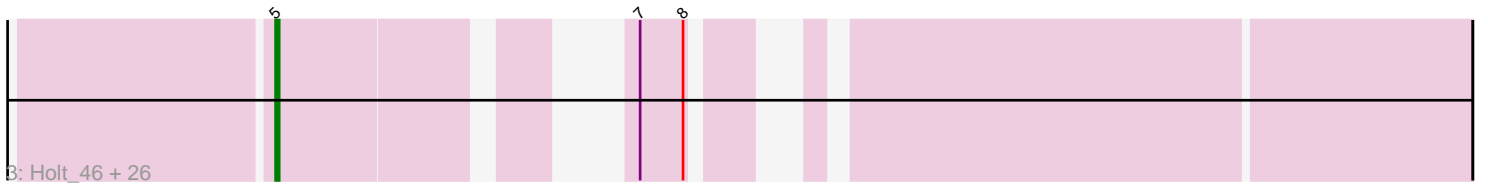
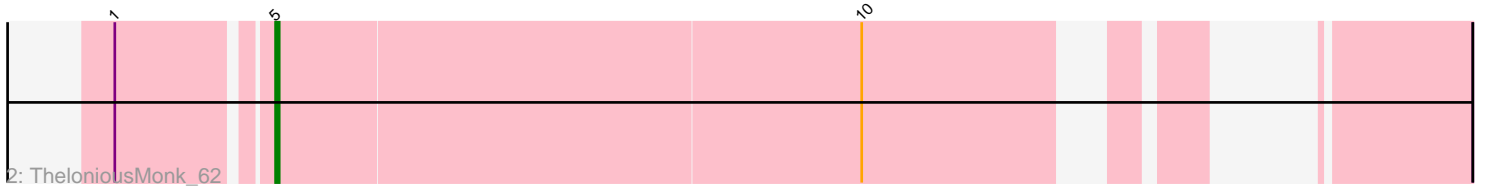
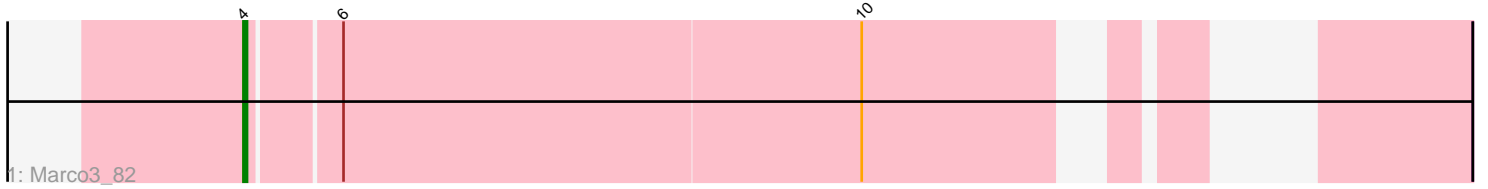


Pham 294757



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 294757 Report

This analysis was run 04/18/26 on database version 643.

Pham number 294757 has 59 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Marco3_82
- Track 2 : TheloniousMonk_62
- Track 3 : Holt_46, Becksu_44, MISSy_43, Palpatine_46, MPhalcon_43, Phaux_45, Buck_44, Murica_45, Petra64142_48, Kostya_44, Nala_44, HufflyPuff_45, Terminus_45, TeamEdward_45, Rimmer_44, Quallification_44, StormChicken_45, Greep_47, Policronamos_46, xkcd_47, FireRed_46, FairyPath_43, PhatBacter_46, Youngblood_45, BugsBunny_44, Nimrod_46, Misfit_45
- Track 4 : Command613_45, Icee_43, Goldilocks_45, StolenFromERC_46, AmericanBeauty_47, Sotrice96_44, Moldemort_46, Gage_46, Hoonter_46, Thimble_45, Highbury_44, Rakim_45, Stank_47, Cactus_45, Kimchi_46, Asriel_43, Adnama_47, Barbarian_43, Saints25_44, Gemini_47, Argent26_46, Wiggin_45, Bask21_44, GooberAzure_46, TBrady12_46, GoldenSpark_46
- Track 5 : Budgie_49
- Track 6 : BigBubba_44
- Track 7 : BaboJay_41
- Track 8 : 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 5, it was called in 48 of the 51 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adnama_47, AmericanBeauty_47, Argent26_46, Asriel_43, Barbarian_43, Bask21_44, Becksu_44, Buck_44, Budgie_49, BugsBunny_44, Cactus_45, Command613_45, Demsculpinboyz_98, FairyPath_43, FireRed_46, Gage_46, Gemini_47, GoldenSpark_46, Goldilocks_45, GooberAzure_46, Greep_47, 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_46, Quallification_44, Rakim_45, Rimmer_44, Saints25_44, Sotrice96_44, Stank_47, StolenFromERC_46, StormChicken_45, TBrady12_46, TeamEdward_45, Terminus_45, TheloniousMonk_62, Thimble_45, 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, BigBubba_44, Marco3_82,

Summary by start number:

Start 3:

- Found in 2 of 59 (3.4%) of genes in pham
- Manual Annotations of this start: 2 of 51
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BaboJay_41 (E), BigBubba_44 (E),

Start 4:

- Found in 1 of 59 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 51
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Marco3_82 (A1),

Start 5:

- Found in 56 of 59 (94.9%) of genes in pham
- Manual Annotations of this start: 48 of 51
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adnama_47 (E), AmericanBeauty_47 (E), Argent26_46 (E), Asriel_43 (E), Barbarian_43 (E), Bask21_44 (E), Becksu_44 (E), Buck_44 (E), Budgie_49 (E), BugsBunny_44 (E), Cactus_45 (E), Command613_45 (E), Demsculpinboyz_98 (F2), FairyPath_43 (E), FireRed_46 (E), Gage_46 (E), Gemini_47 (E), GoldenSpark_46 (E), Goldilocks_45 (E), GooberAzure_46 (E), Greep_47 (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_46 (E), Quallification_44 (E), Rakim_45 (E), Rimmer_44 (E), Saints25_44 (E), Sotrice96_44 (E), Stank_47 (E), StolenFromERC_46 (E), StormChicken_45 (E), TBrady12_46 (E), TeamEdward_45 (E), Terminus_45 (E), TheloniousMonk_62 (A1), Thimble_45 (E), Wiggin_45 (E), Youngblood_45 (E), xkcd_47 (E),

Summary by clusters:

There are 3 clusters represented in this pham: A1, F2, E,

Info for manual annotations of cluster A1:

- Start number 4 was manually annotated 1 time for cluster A1.
- Start number 5 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster E:

- Start number 3 was manually annotated 2 times for cluster E.
- Start number 5 was manually annotated 46 times for cluster E.

Info for manual annotations of cluster F2:

- Start number 5 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: Adnama_47 Start: 36141, Stop: 35812, Start Num: 5

Candidate Starts for Adnama_47:

(Start: 5 @36141 has 48 MA's), (10, 35979),

Gene: AmericanBeauty_47 Start: 35986, Stop: 35657, Start Num: 5

Candidate Starts for AmericanBeauty_47:

(Start: 5 @35986 has 48 MA's), (10, 35824),

Gene: Argent26_46 Start: 35624, Stop: 35295, Start Num: 5

Candidate Starts for Argent26_46:

(Start: 5 @35624 has 48 MA's), (10, 35462),

Gene: Asriel_43 Start: 34478, Stop: 34149, Start Num: 5

Candidate Starts for Asriel_43:

(Start: 5 @34478 has 48 MA's), (10, 34316),

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

Candidate Starts for BaboJay_41:

(Start: 3 @35075 has 2 MA's), (10, 34901), (12, 34757),

Gene: Barbarian_43 Start: 34478, Stop: 34149, Start Num: 5

Candidate Starts for Barbarian_43:

(Start: 5 @34478 has 48 MA's), (10, 34316),

Gene: Bask21_44 Start: 34812, Stop: 34483, Start Num: 5

Candidate Starts for Bask21_44:

(Start: 5 @34812 has 48 MA's), (10, 34650),

Gene: Becksu_44 Start: 35976, Stop: 35701, Start Num: 5

Candidate Starts for Becksu_44:

(Start: 5 @35976 has 48 MA's), (7, 35904), (8, 35892),

Gene: BigBubba_44 Start: 35433, Stop: 35098, Start Num: 3

Candidate Starts for BigBubba_44:

(Start: 3 @35433 has 2 MA's), (6, 35409),

Gene: Buck_44 Start: 36027, Stop: 35752, Start Num: 5

Candidate Starts for Buck_44:

(Start: 5 @36027 has 48 MA's), (7, 35955), (8, 35943),

Gene: Budgie_49 Start: 35683, Stop: 35390, Start Num: 5

Candidate Starts for Budgie_49:

(2, 35722), (Start: 5 @35683 has 48 MA's), (9, 35572), (10, 35536),

Gene: BugsBunny_44 Start: 35858, Stop: 35583, Start Num: 5

Candidate Starts for BugsBunny_44:

(Start: 5 @35858 has 48 MA's), (7, 35786), (8, 35774),

Gene: Cactus_45 Start: 34845, Stop: 34516, Start Num: 5
Candidate Starts for Cactus_45:
(Start: 5 @34845 has 48 MA's), (10, 34683),

Gene: Command613_45 Start: 35884, Stop: 35555, Start Num: 5
Candidate Starts for Command613_45:
(Start: 5 @35884 has 48 MA's), (10, 35722),

Gene: Demsculpinboyz_98 Start: 49573, Stop: 49905, Start Num: 5
Candidate Starts for Demsculpinboyz_98:
(Start: 5 @49573 has 48 MA's), (10, 49735), (11, 49804),

Gene: FairyPath_43 Start: 35922, Stop: 35647, Start Num: 5
Candidate Starts for FairyPath_43:
(Start: 5 @35922 has 48 MA's), (7, 35850), (8, 35838),

Gene: FireRed_46 Start: 36297, Stop: 36022, Start Num: 5
Candidate Starts for FireRed_46:
(Start: 5 @36297 has 48 MA's), (7, 36225), (8, 36213),

Gene: Gage_46 Start: 35624, Stop: 35295, Start Num: 5
Candidate Starts for Gage_46:
(Start: 5 @35624 has 48 MA's), (10, 35462),

Gene: Gemini_47 Start: 36141, Stop: 35812, Start Num: 5
Candidate Starts for Gemini_47:
(Start: 5 @36141 has 48 MA's), (10, 35979),

Gene: GoldenSpark_46 Start: 35624, Stop: 35295, Start Num: 5
Candidate Starts for GoldenSpark_46:
(Start: 5 @35624 has 48 MA's), (10, 35462),

Gene: Goldilocks_45 Start: 35126, Stop: 34797, Start Num: 5
Candidate Starts for Goldilocks_45:
(Start: 5 @35126 has 48 MA's), (10, 34964),

Gene: GooberAzure_46 Start: 35624, Stop: 35295, Start Num: 5
Candidate Starts for GooberAzure_46:
(Start: 5 @35624 has 48 MA's), (10, 35462),

Gene: Greep_47 Start: 36589, Stop: 36314, Start Num: 5
Candidate Starts for Greep_47:
(Start: 5 @36589 has 48 MA's), (7, 36517), (8, 36505),

Gene: Highbury_44 Start: 35223, Stop: 34894, Start Num: 5
Candidate Starts for Highbury_44:
(Start: 5 @35223 has 48 MA's), (10, 35061),

Gene: Holt_46 Start: 35597, Stop: 35322, Start Num: 5
Candidate Starts for Holt_46:
(Start: 5 @35597 has 48 MA's), (7, 35525), (8, 35513),

Gene: Hoonter_46 Start: 35624, Stop: 35295, Start Num: 5
Candidate Starts for Hoonter_46:
(Start: 5 @35624 has 48 MA's), (10, 35462),

Gene: HufflyPuff_45 Start: 36253, Stop: 35978, Start Num: 5
Candidate Starts for HufflyPuff_45:
(Start: 5 @36253 has 48 MA's), (7, 36181), (8, 36169),

Gene: Icee_43 Start: 35292, Stop: 34963, Start Num: 5
Candidate Starts for Icee_43:
(Start: 5 @35292 has 48 MA's), (10, 35130),

Gene: Kimchi_46 Start: 35627, Stop: 35298, Start Num: 5
Candidate Starts for Kimchi_46:
(Start: 5 @35627 has 48 MA's), (10, 35465),

Gene: Kostya_44 Start: 35744, Stop: 35469, Start Num: 5
Candidate Starts for Kostya_44:
(Start: 5 @35744 has 48 MA's), (7, 35672), (8, 35660),

Gene: MISSy_43 Start: 35306, Stop: 35031, Start Num: 5
Candidate Starts for MISSy_43:
(Start: 5 @35306 has 48 MA's), (7, 35234), (8, 35222),

Gene: MPhalcon_43 Start: 35299, Stop: 35024, Start Num: 5
Candidate Starts for MPhalcon_43:
(Start: 5 @35299 has 48 MA's), (7, 35227), (8, 35215),

Gene: Marco3_82 Start: 49254, Stop: 48967, Start Num: 4
Candidate Starts for Marco3_82:
(Start: 4 @49254 has 1 MA's), (6, 49230), (10, 49086),

Gene: Misfit_45 Start: 36318, Stop: 36043, Start Num: 5
Candidate Starts for Misfit_45:
(Start: 5 @36318 has 48 MA's), (7, 36246), (8, 36234),

Gene: Moldemort_46 Start: 35741, Stop: 35412, Start Num: 5
Candidate Starts for Moldemort_46:
(Start: 5 @35741 has 48 MA's), (10, 35579),

Gene: Murica_45 Start: 36253, Stop: 35978, Start Num: 5
Candidate Starts for Murica_45:
(Start: 5 @36253 has 48 MA's), (7, 36181), (8, 36169),

Gene: Nala_44 Start: 35811, Stop: 35536, Start Num: 5
Candidate Starts for Nala_44:
(Start: 5 @35811 has 48 MA's), (7, 35739), (8, 35727),

Gene: Nimrod_46 Start: 36511, Stop: 36236, Start Num: 5
Candidate Starts for Nimrod_46:
(Start: 5 @36511 has 48 MA's), (7, 36439), (8, 36427),

Gene: Palpatine_46 Start: 36283, Stop: 36008, Start Num: 5

Candidate Starts for Palpatine_46:
(Start: 5 @36283 has 48 MA's), (7, 36211), (8, 36199),

Gene: Petra64142_48 Start: 36747, Stop: 36472, Start Num: 5
Candidate Starts for Petra64142_48:
(Start: 5 @36747 has 48 MA's), (7, 36675), (8, 36663),

Gene: PhatBacter_46 Start: 36297, Stop: 36022, Start Num: 5
Candidate Starts for PhatBacter_46:
(Start: 5 @36297 has 48 MA's), (7, 36225), (8, 36213),

Gene: Phaux_45 Start: 36295, Stop: 36020, Start Num: 5
Candidate Starts for Phaux_45:
(Start: 5 @36295 has 48 MA's), (7, 36223), (8, 36211),

Gene: Policronamos_46 Start: 36295, Stop: 36020, Start Num: 5
Candidate Starts for Policronamos_46:
(Start: 5 @36295 has 48 MA's), (7, 36223), (8, 36211),

Gene: Quallification_44 Start: 35933, Stop: 35658, Start Num: 5
Candidate Starts for Quallification_44:
(Start: 5 @35933 has 48 MA's), (7, 35861), (8, 35849),

Gene: Rakim_45 Start: 35740, Stop: 35411, Start Num: 5
Candidate Starts for Rakim_45:
(Start: 5 @35740 has 48 MA's), (10, 35578),

Gene: Rimmer_44 Start: 35637, Stop: 35362, Start Num: 5
Candidate Starts for Rimmer_44:
(Start: 5 @35637 has 48 MA's), (7, 35565), (8, 35553),

Gene: Saints25_44 Start: 35223, Stop: 34894, Start Num: 5
Candidate Starts for Saints25_44:
(Start: 5 @35223 has 48 MA's), (10, 35061),

Gene: Sotrice96_44 Start: 35588, Stop: 35259, Start Num: 5
Candidate Starts for Sotrice96_44:
(Start: 5 @35588 has 48 MA's), (10, 35426),

Gene: Stank_47 Start: 36140, Stop: 35811, Start Num: 5
Candidate Starts for Stank_47:
(Start: 5 @36140 has 48 MA's), (10, 35978),

Gene: StolenFromERC_46 Start: 35624, Stop: 35295, Start Num: 5
Candidate Starts for StolenFromERC_46:
(Start: 5 @35624 has 48 MA's), (10, 35462),

Gene: StormChicken_45 Start: 36245, Stop: 35970, Start Num: 5
Candidate Starts for StormChicken_45:
(Start: 5 @36245 has 48 MA's), (7, 36173), (8, 36161),

Gene: TBrady12_46 Start: 35624, Stop: 35295, Start Num: 5
Candidate Starts for TBrady12_46:

(Start: 5 @35624 has 48 MA's), (10, 35462),

Gene: TeamEdward_45 Start: 36242, Stop: 35967, Start Num: 5

Candidate Starts for TeamEdward_45:

(Start: 5 @36242 has 48 MA's), (7, 36170), (8, 36158),

Gene: Terminus_45 Start: 36318, Stop: 36043, Start Num: 5

Candidate Starts for Terminus_45:

(Start: 5 @36318 has 48 MA's), (7, 36246), (8, 36234),

Gene: TheloniousMonk_62 Start: 42583, Stop: 42305, Start Num: 5

Candidate Starts for TheloniousMonk_62:

(1, 42622), (Start: 5 @42583 has 48 MA's), (10, 42421),

Gene: Thimble_45 Start: 34806, Stop: 34477, Start Num: 5

Candidate Starts for Thimble_45:

(Start: 5 @34806 has 48 MA's), (10, 34644),

Gene: Wiggin_45 Start: 35708, Stop: 35379, Start Num: 5

Candidate Starts for Wiggin_45:

(Start: 5 @35708 has 48 MA's), (10, 35546),

Gene: Youngblood_45 Start: 36248, Stop: 35973, Start Num: 5

Candidate Starts for Youngblood_45:

(Start: 5 @36248 has 48 MA's), (7, 36176), (8, 36164),

Gene: xkcd_47 Start: 36438, Stop: 36163, Start Num: 5

Candidate Starts for xkcd_47:

(Start: 5 @36438 has 48 MA's), (7, 36366), (8, 36354),