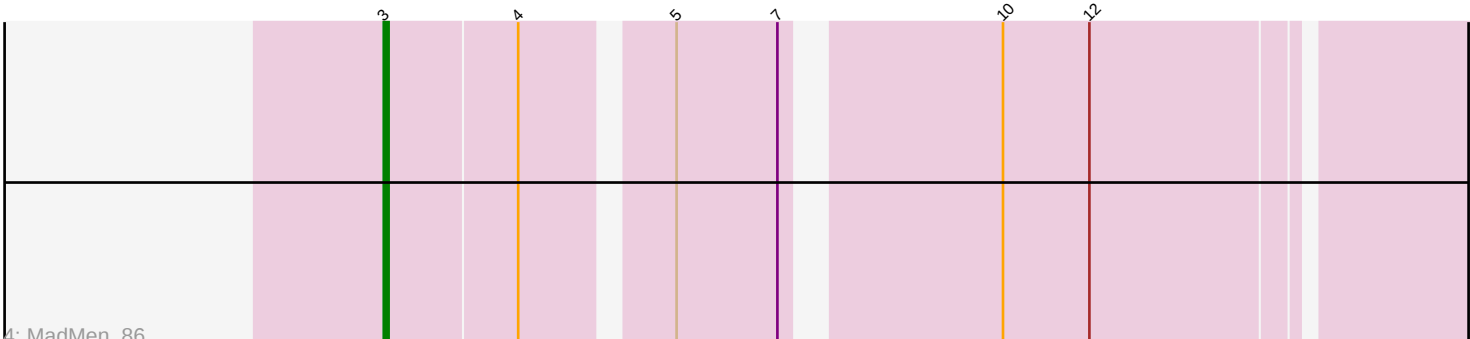
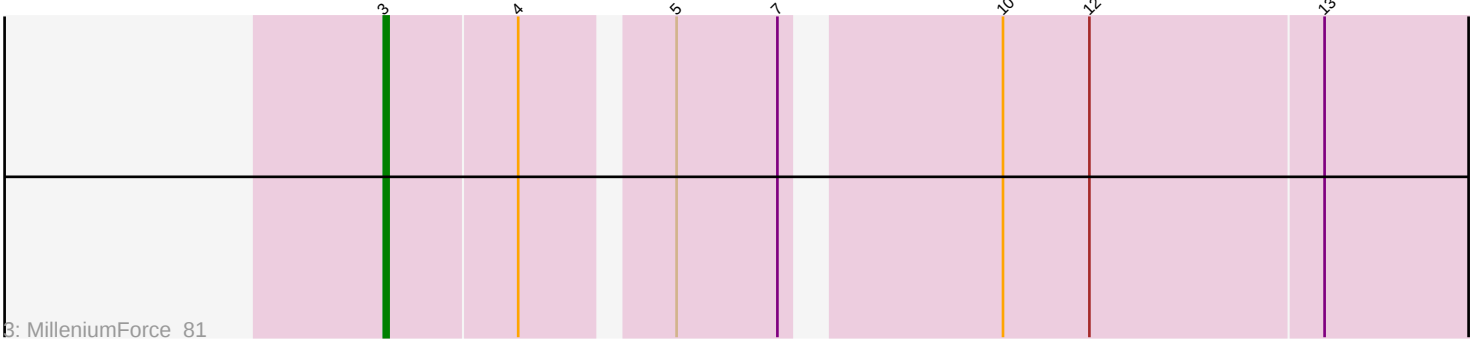
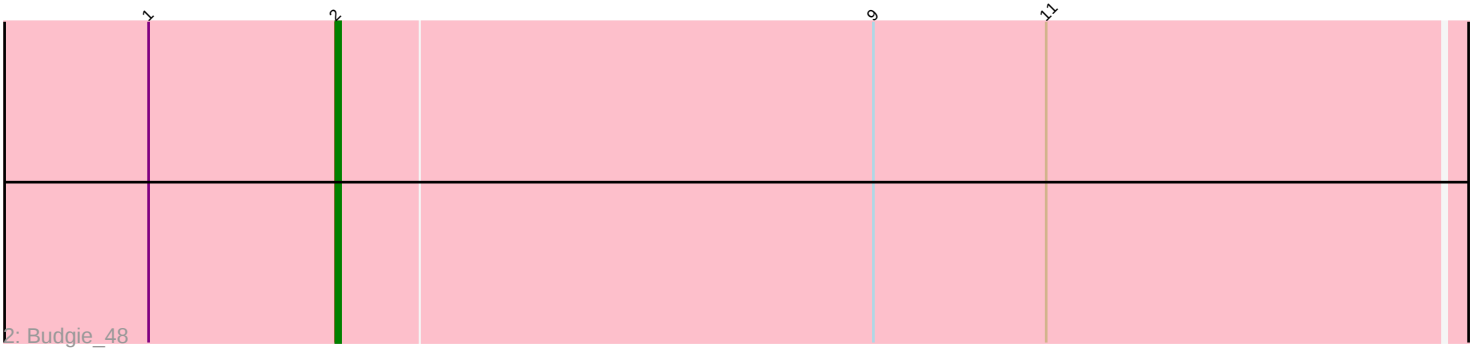
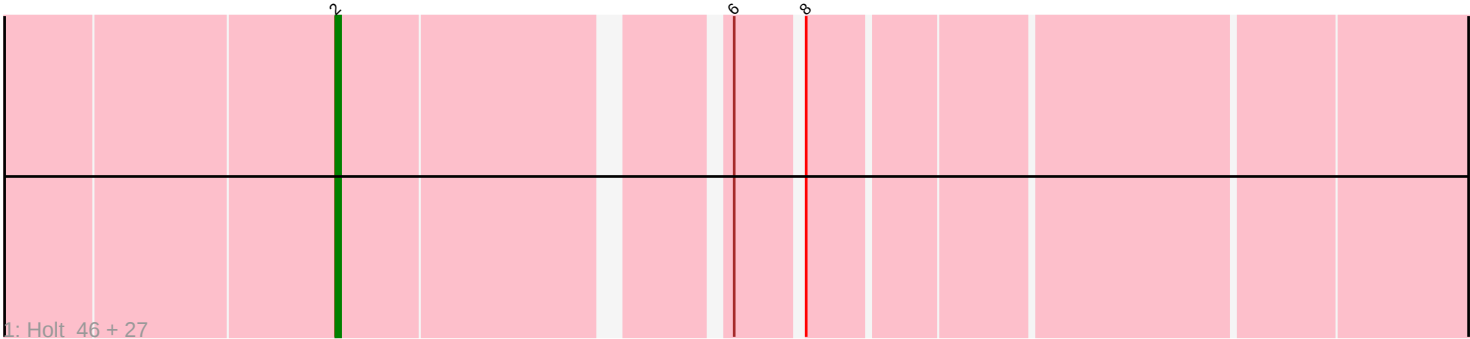


Pham 329287



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 329287 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329287 has 31 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Holt_46, Becksu_44, MISSy_43, Palpatine_46, Terminus_45, Rimmer_44, Quallification_44, Buck_44, Murica_45, Kostya_44, Nala_44, xkcd_47, HufflyPuff_45, TeamEdward_46, Petra64142_48, PhatBacter_46, StormChicken_45, BugsBunny_44, Policronamos_46, FireRed_46, FairyPath_43, Greep_47, MPhalcon_43, Phaux_45, Youngblood_45, Liveloughbron_47, Nimrod_46, Misfit_45
- Track 2 : Budgie_48
- Track 3 : MilleniumForce_81
- Track 4 : MadMen_86

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

The start number called the most often in the published annotations is 2, it was called in 23 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Becksu_44, Buck_44, Budgie_48, BugsBunny_44, FairyPath_43, FireRed_46, Greep_47, Holt_46, HufflyPuff_45, Kostya_44, Liveloughbron_47, MISSy_43, MPhalcon_43, Misfit_45, Murica_45, Nala_44, Nimrod_46, Palpatine_46, Petra64142_48, PhatBacter_46, Phaux_45, Policronamos_46, Quallification_44, Rimmer_44, StormChicken_45, TeamEdward_46, Terminus_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:

- MadMen_86, MilleniumForce_81,

Summary by start number:

Start 2:

- Found in 29 of 31 (93.5%) of genes in pham
- Manual Annotations of this start: 23 of 25
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Becksu_44 (E), Buck_44 (E), Budgie_48 (E), BugsBunny_44 (E), FairyPath_43 (E), FireRed_46 (E), Greep_47 (E), Holt_46 (E), HufflyPuff_45 (E), Kostya_44 (E), Liveloughbron_47 (E), MISSy_43 (E), MPhalcon_43 (E), Misfit_45 (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), Rimmer_44 (E), StormChicken_45 (E), TeamEdward_46 (E), Terminus_45 (E), Youngblood_45 (E), xkcd_47 (E),

Start 3:

- Found in 2 of 31 (6.5%) of genes in pham
- Manual Annotations of this start: 2 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MadMen_86 (F1), MilleniumForce_81 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, E,

Info for manual annotations of cluster E:

- Start number 2 was manually annotated 23 times for cluster E.

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 2 times for cluster F1.

Gene Information:

Gene: Becksu_44 Start: 35976, Stop: 35701, Start Num: 2

Candidate Starts for Becksu_44:

(Start: 2 @35976 has 23 MA's), (6, 35904), (8, 35892),

Gene: Buck_44 Start: 36027, Stop: 35752, Start Num: 2

Candidate Starts for Buck_44:

(Start: 2 @36027 has 23 MA's), (6, 35955), (8, 35943),

Gene: Budgie_48 Start: 35683, Stop: 35390, Start Num: 2

Candidate Starts for Budgie_48:

(1, 35722), (Start: 2 @35683 has 23 MA's), (9, 35572), (11, 35536),

Gene: BugsBunny_44 Start: 35858, Stop: 35583, Start Num: 2

Candidate Starts for BugsBunny_44:

(Start: 2 @35858 has 23 MA's), (6, 35786), (8, 35774),

Gene: FairyPath_43 Start: 35922, Stop: 35647, Start Num: 2

Candidate Starts for FairyPath_43:

(Start: 2 @35922 has 23 MA's), (6, 35850), (8, 35838),

Gene: FireRed_46 Start: 36297, Stop: 36022, Start Num: 2

Candidate Starts for FireRed_46:

(Start: 2 @36297 has 23 MA's), (6, 36225), (8, 36213),

Gene: Greep_47 Start: 36589, Stop: 36314, Start Num: 2

Candidate Starts for Greep_47:

(Start: 2 @36589 has 23 MA's), (6, 36517), (8, 36505),

Gene: Holt_46 Start: 35597, Stop: 35322, Start Num: 2

Candidate Starts for Holt_46:

(Start: 2 @35597 has 23 MA's), (6, 35525), (8, 35513),

Gene: HufflyPuff_45 Start: 36253, Stop: 35978, Start Num: 2

Candidate Starts for HufflyPuff_45:

(Start: 2 @36253 has 23 MA's), (6, 36181), (8, 36169),

Gene: Kostya_44 Start: 35744, Stop: 35469, Start Num: 2

Candidate Starts for Kostya_44:

(Start: 2 @35744 has 23 MA's), (6, 35672), (8, 35660),

Gene: Liveloughbron_47 Start: 36383, Stop: 36108, Start Num: 2

Candidate Starts for Liveloughbron_47:

(Start: 2 @36383 has 23 MA's), (6, 36311), (8, 36299),

Gene: MISSy_43 Start: 35306, Stop: 35031, Start Num: 2

Candidate Starts for MISSy_43:

(Start: 2 @35306 has 23 MA's), (6, 35234), (8, 35222),

Gene: MPhalcon_43 Start: 35299, Stop: 35024, Start Num: 2

Candidate Starts for MPhalcon_43:

(Start: 2 @35299 has 23 MA's), (6, 35227), (8, 35215),

Gene: MadMen_86 Start: 49352, Stop: 49603, Start Num: 3

Candidate Starts for MadMen_86:

(Start: 3 @49352 has 2 MA's), (4, 49379), (5, 49406), (7, 49427), (10, 49466), (12, 49484),

Gene: MilleniumForce_81 Start: 49506, Stop: 49760, Start Num: 3

Candidate Starts for MilleniumForce_81:

(Start: 3 @49506 has 2 MA's), (4, 49533), (5, 49560), (7, 49581), (10, 49620), (12, 49638), (13, 49686),

Gene: Misfit_45 Start: 36318, Stop: 36043, Start Num: 2

Candidate Starts for Misfit_45:

(Start: 2 @36318 has 23 MA's), (6, 36246), (8, 36234),

Gene: Murica_45 Start: 36253, Stop: 35978, Start Num: 2

Candidate Starts for Murica_45:

(Start: 2 @36253 has 23 MA's), (6, 36181), (8, 36169),

Gene: Nala_44 Start: 35811, Stop: 35536, Start Num: 2

Candidate Starts for Nala_44:

(Start: 2 @35811 has 23 MA's), (6, 35739), (8, 35727),

Gene: Nimrod_46 Start: 36511, Stop: 36236, Start Num: 2

Candidate Starts for Nimrod_46:

(Start: 2 @36511 has 23 MA's), (6, 36439), (8, 36427),

Gene: Palpatine_46 Start: 36283, Stop: 36008, Start Num: 2

Candidate Starts for Palpatine_46:

(Start: 2 @36283 has 23 MA's), (6, 36211), (8, 36199),

Gene: Petra64142_48 Start: 36747, Stop: 36472, Start Num: 2

Candidate Starts for Petra64142_48:

(Start: 2 @36747 has 23 MA's), (6, 36675), (8, 36663),

Gene: PhatBacter_46 Start: 36297, Stop: 36022, Start Num: 2

Candidate Starts for PhatBacter_46:

(Start: 2 @36297 has 23 MA's), (6, 36225), (8, 36213),

Gene: Phaux_45 Start: 36295, Stop: 36020, Start Num: 2

Candidate Starts for Phaux_45:

(Start: 2 @36295 has 23 MA's), (6, 36223), (8, 36211),

Gene: Policronamos_46 Start: 36295, Stop: 36020, Start Num: 2

Candidate Starts for Policronamos_46:

(Start: 2 @36295 has 23 MA's), (6, 36223), (8, 36211),

Gene: Qualification_44 Start: 35933, Stop: 35658, Start Num: 2

Candidate Starts for Qualification_44:

(Start: 2 @35933 has 23 MA's), (6, 35861), (8, 35849),

Gene: Rimmer_44 Start: 35637, Stop: 35362, Start Num: 2

Candidate Starts for Rimmer_44:

(Start: 2 @35637 has 23 MA's), (6, 35565), (8, 35553),

Gene: StormChicken_45 Start: 36245, Stop: 35970, Start Num: 2

Candidate Starts for StormChicken_45:

(Start: 2 @36245 has 23 MA's), (6, 36173), (8, 36161),

Gene: TeamEdward_46 Start: 36242, Stop: 35967, Start Num: 2

Candidate Starts for TeamEdward_46:

(Start: 2 @36242 has 23 MA's), (6, 36170), (8, 36158),

Gene: Terminus_45 Start: 36318, Stop: 36043, Start Num: 2

Candidate Starts for Terminus_45:

(Start: 2 @36318 has 23 MA's), (6, 36246), (8, 36234),

Gene: Youngblood_45 Start: 36248, Stop: 35973, Start Num: 2

Candidate Starts for Youngblood_45:

(Start: 2 @36248 has 23 MA's), (6, 36176), (8, 36164),

Gene: xkcd_47 Start: 36438, Stop: 36163, Start Num: 2

Candidate Starts for xkcd_47:

(Start: 2 @36438 has 23 MA's), (6, 36366), (8, 36354),