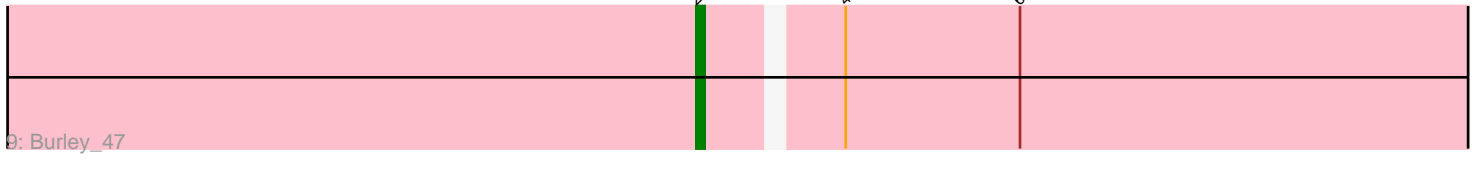
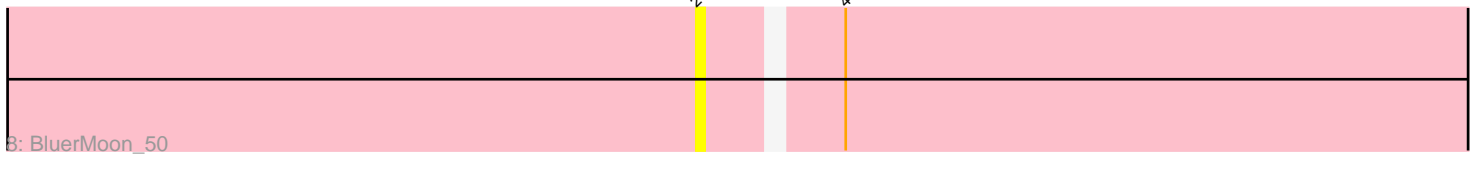
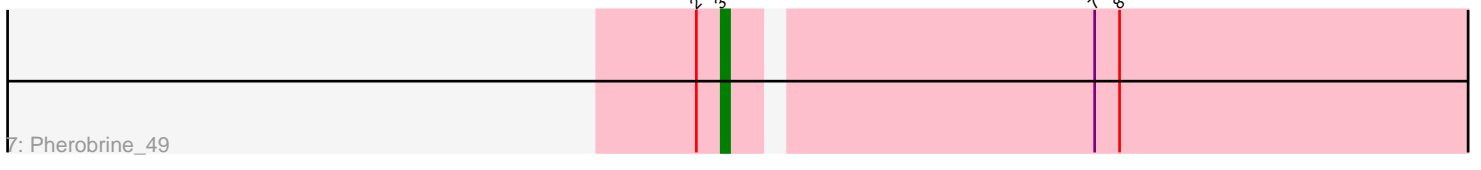
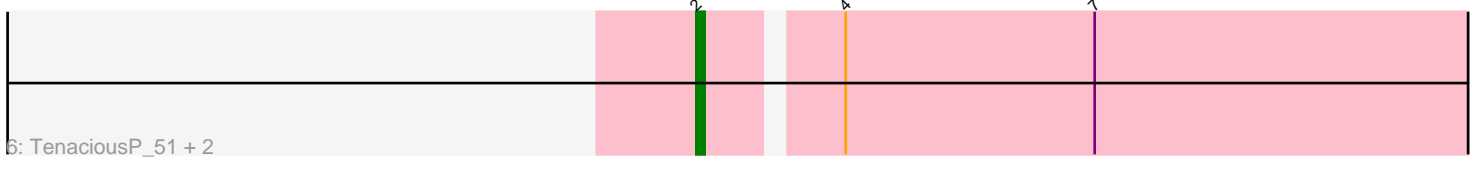
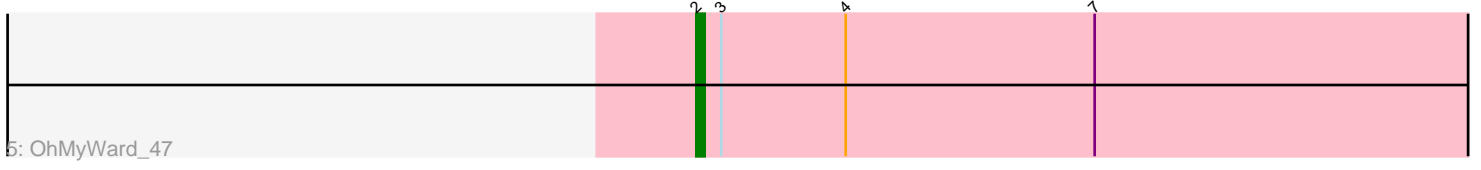
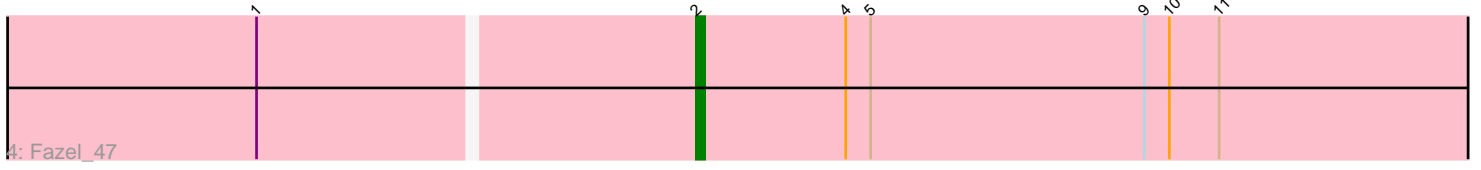
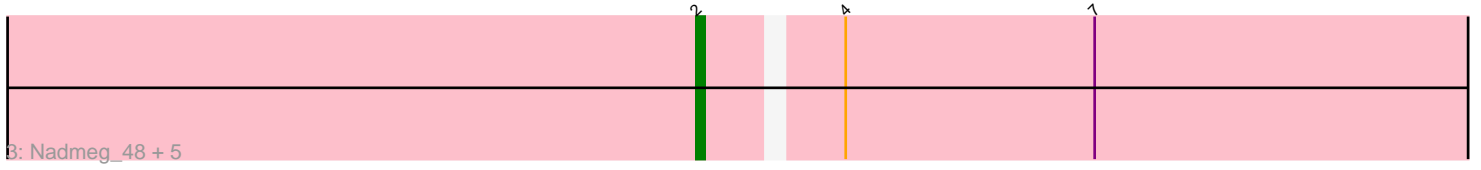
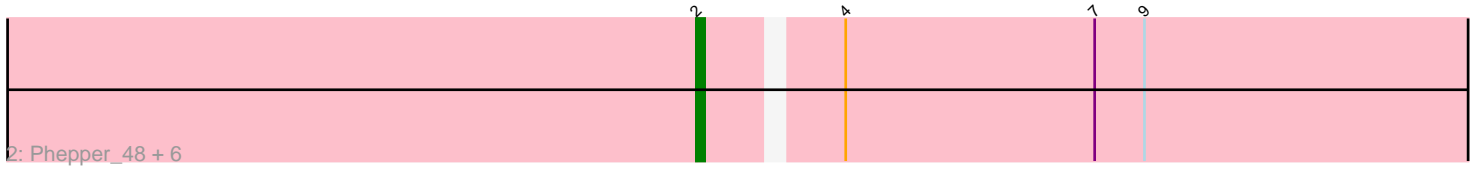
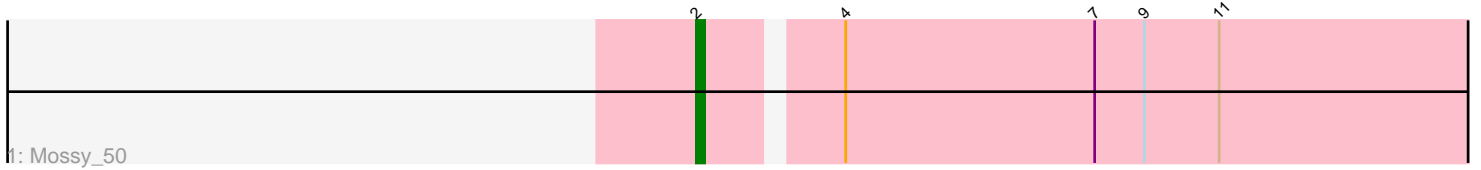


Pham 170298



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 170298 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170298 has 22 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Mossy_50
- Track 2 : Phepper_48, Untouchable_48, Kenosha_47, Zeph_49, Vardy_47, Madvan_47, Hydrus_49
- Track 3 : Nadmeg_48, Aflac_47, Runhaar_48, Eddiemania_49, Duffington_46, Crocheter_47
- Track 4 : Fazel_47
- Track 5 : OhMyWard_47
- Track 6 : TenaciousP_51, Figliar_47, OlgasClover_48
- Track 7 : Pherobrine_49
- Track 8 : BluerMoon_50
- Track 9 : Burley_47

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 17 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_47, BluerMoon_50, Burley_47, Crocheter_47, Duffington_46, Eddiemania_49, Fazel_47, Figliar_47, Hydrus_49, Kenosha_47, Madvan_47, Mossy_50, Nadmeg_48, OhMyWard_47, OlgasClover_48, Phepper_48, Runhaar_48, TenaciousP_51, Untouchable_48, Vardy_47, Zeph_49,

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

- Pherobrine_49,

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

-

Summary by start number:

Start 2:

- Found in 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 18

- Called 95.5% of time when present
- Phage (with cluster) where this start called: Aflac_47 (DJ), BluerMoon_50 (DJ), Burley_47 (DJ), Crocheter_47 (DJ), Duffington_46 (DJ), Eddiemania_49 (DJ), Fazel_47 (DJ), Figliar_47 (DJ), Hydrus_49 (DJ), Kenosha_47 (DJ), Madvan_47 (DJ), Mossy_50 (DJ), Nadmeg_48 (DJ), OhMyWard_47 (DJ), OlgasClover_48 (DJ), Phepper_48 (DJ), Runhaar_48 (DJ), TenaciousP_51 (DJ), Untouchable_48 (DJ), Vardy_47 (DJ), Zeph_49 (DJ),

Start 3:

- Found in 2 of 22 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Pherobrine_49 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 2 was manually annotated 17 times for cluster DJ.
- Start number 3 was manually annotated 1 time for cluster DJ.

Gene Information:

Gene: Aflac_47 Start: 34713, Stop: 34823, Start Num: 2

Candidate Starts for Aflac_47:

(Start: 2 @34713 has 17 MA's), (4, 34728), (7, 34758),

Gene: BluerMoon_50 Start: 34710, Stop: 34817, Start Num: 2

Candidate Starts for BluerMoon_50:

(Start: 2 @34710 has 17 MA's), (4, 34725),

Gene: Burley_47 Start: 34471, Stop: 34578, Start Num: 2

Candidate Starts for Burley_47:

(Start: 2 @34471 has 17 MA's), (4, 34486), (6, 34507),

Gene: Crocheter_47 Start: 34873, Stop: 34980, Start Num: 2

Candidate Starts for Crocheter_47:

(Start: 2 @34873 has 17 MA's), (4, 34888), (7, 34918),

Gene: Duffington_46 Start: 34371, Stop: 34481, Start Num: 2

Candidate Starts for Duffington_46:

(Start: 2 @34371 has 17 MA's), (4, 34386), (7, 34416),

Gene: Eddiemania_49 Start: 35634, Stop: 35741, Start Num: 2

Candidate Starts for Eddiemania_49:

(Start: 2 @35634 has 17 MA's), (4, 35649), (7, 35679),

Gene: Fazel_47 Start: 34218, Stop: 34343, Start Num: 2

Candidate Starts for Fazel_47:

(1, 34167), (Start: 2 @34218 has 17 MA's), (4, 34236), (5, 34239), (9, 34272), (10, 34275), (11, 34281),

Gene: Figliar_47 Start: 34773, Stop: 34883, Start Num: 2

Candidate Starts for Figliar_47:

(Start: 2 @34773 has 17 MA's), (4, 34788), (7, 34818),

Gene: Hydrus_49 Start: 35645, Stop: 35752, Start Num: 2

Candidate Starts for Hydrus_49:

(Start: 2 @35645 has 17 MA's), (4, 35660), (7, 35690), (9, 35696),

Gene: Kenosha_47 Start: 35281, Stop: 35388, Start Num: 2

Candidate Starts for Kenosha_47:

(Start: 2 @35281 has 17 MA's), (4, 35296), (7, 35326), (9, 35332),

Gene: Madvan_47 Start: 34514, Stop: 34621, Start Num: 2

Candidate Starts for Madvan_47:

(Start: 2 @34514 has 17 MA's), (4, 34529), (7, 34559), (9, 34565),

Gene: Mossy_50 Start: 36641, Stop: 36751, Start Num: 2

Candidate Starts for Mossy_50:

(Start: 2 @36641 has 17 MA's), (4, 36656), (7, 36686), (9, 36692), (11, 36701),

Gene: Nadmeg_48 Start: 35946, Stop: 36053, Start Num: 2

Candidate Starts for Nadmeg_48:

(Start: 2 @35946 has 17 MA's), (4, 35961), (7, 35991),

Gene: OhMyWard_47 Start: 35734, Stop: 35844, Start Num: 2

Candidate Starts for OhMyWard_47:

(Start: 2 @35734 has 17 MA's), (Start: 3 @35737 has 1 MA's), (4, 35752), (7, 35782),

Gene: OlgasClover_48 Start: 35758, Stop: 35868, Start Num: 2

Candidate Starts for OlgasClover_48:

(Start: 2 @35758 has 17 MA's), (4, 35773), (7, 35803),

Gene: Phepper_48 Start: 34767, Stop: 34874, Start Num: 2

Candidate Starts for Phepper_48:

(Start: 2 @34767 has 17 MA's), (4, 34782), (7, 34812), (9, 34818),

Gene: Pherobrine_49 Start: 35683, Stop: 35793, Start Num: 3

Candidate Starts for Pherobrine_49:

(Start: 2 @35680 has 17 MA's), (Start: 3 @35683 has 1 MA's), (7, 35725), (8, 35728),

Gene: Runhaar_48 Start: 34762, Stop: 34869, Start Num: 2

Candidate Starts for Runhaar_48:

(Start: 2 @34762 has 17 MA's), (4, 34777), (7, 34807),

Gene: TenaciousP_51 Start: 36139, Stop: 36249, Start Num: 2

Candidate Starts for TenaciousP_51:

(Start: 2 @36139 has 17 MA's), (4, 36154), (7, 36184),

Gene: Untouchable_48 Start: 35127, Stop: 35234, Start Num: 2

Candidate Starts for Untouchable_48:

(Start: 2 @35127 has 17 MA's), (4, 35142), (7, 35172), (9, 35178),

Gene: Vardy_47 Start: 34471, Stop: 34578, Start Num: 2

Candidate Starts for Vardy_47:

(Start: 2 @34471 has 17 MA's), (4, 34486), (7, 34516), (9, 34522),

Gene: Zeph_49 Start: 35625, Stop: 35732, Start Num: 2

Candidate Starts for Zeph_49:

(Start: 2 @35625 has 17 MA's), (4, 35640), (7, 35670), (9, 35676),