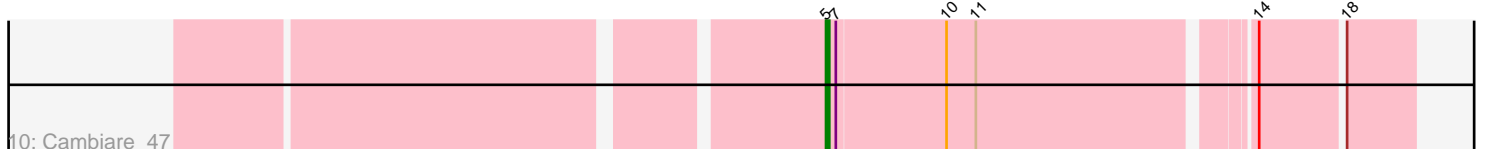
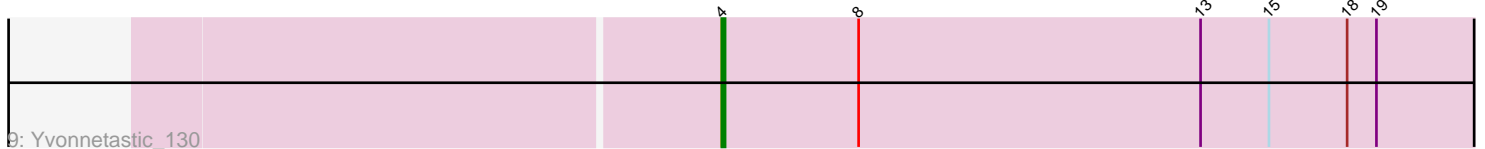
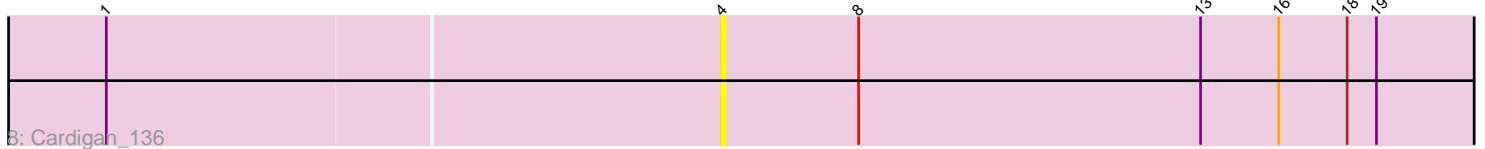
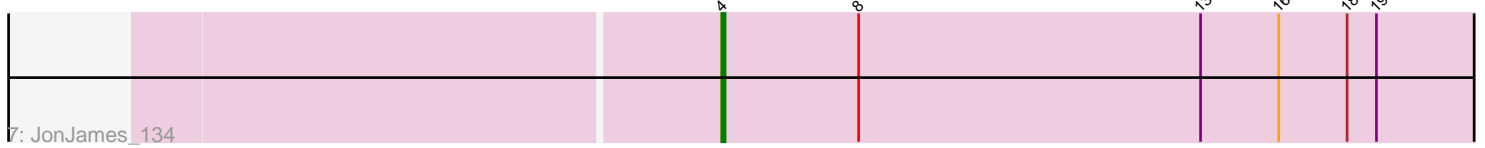
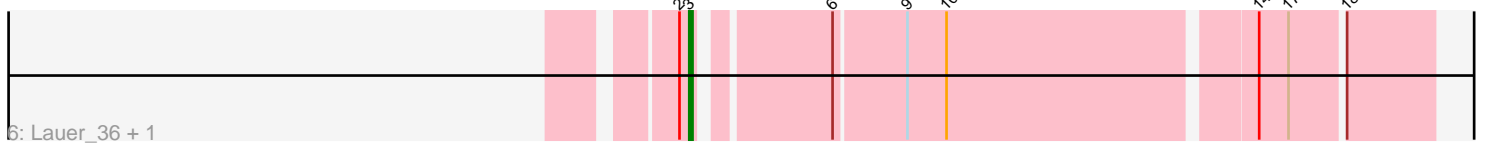
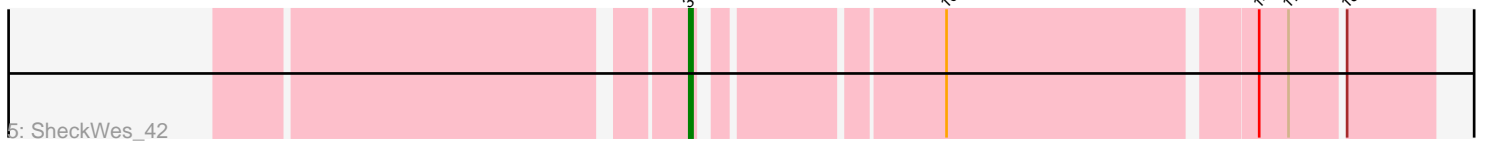
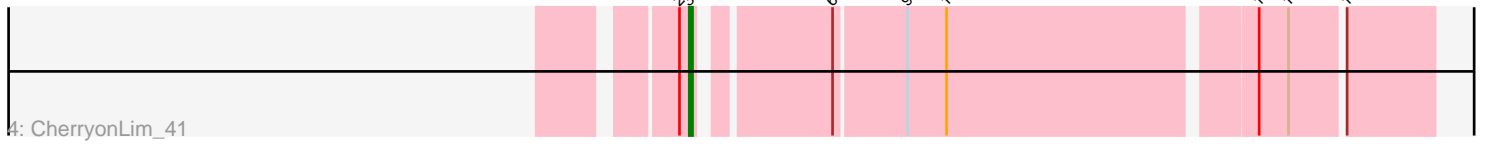
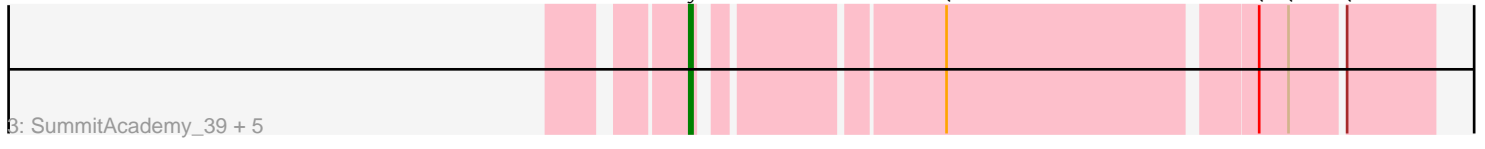
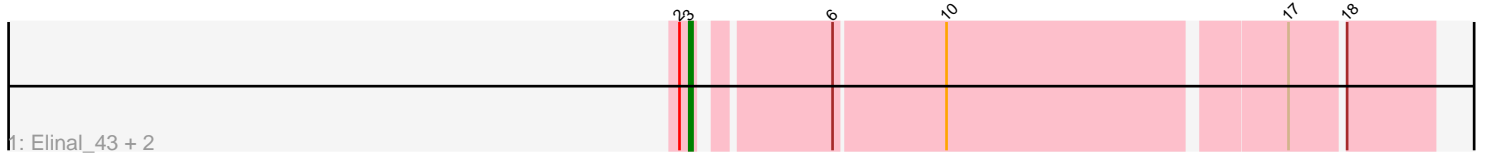


Pham 216621



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 216621 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216621 has 18 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Elinal_43, KayGee_41, Bavailard_39
- Track 2 : Pons_41
- Track 3 : SummitAcademy_39, Yucky_43, BigChungus_39, PotPie_40, Feastonyeet_39, Vine_42
- Track 4 : CherryonLim_41
- Track 5 : SheckWes_42
- Track 6 : Lauer_36, Mayweather_43
- Track 7 : JonJames_134
- Track 8 : Cardigan_136
- Track 9 : Yvonnetastic_130
- Track 10 : Cambiare_47

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

The start number called the most often in the published annotations is 3, it was called in 12 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bavailard_39, BigChungus_39, CherryonLim_41, Elinal_43, Feastonyeet_39, KayGee_41, Lauer_36, Mayweather_43, Pons_41, PotPie_40, SheckWes_42, SummitAcademy_39, Vine_42, Yucky_43,

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

-

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

- Cambiare_47, Cardigan_136, JonJames_134, Yvonnetastic_130,

Summary by start number:

Start 3:

- Found in 14 of 18 (77.8%) of genes in pham
- Manual Annotations of this start: 12 of 15
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bavidard_39 (CT), BigChungus_39 (CT), CherryonLim_41 (CT), Elinal_43 (CT), Feastonyeet_39 (CT), KayGee_41 (CT), Lauer_36 (CT), Mayweather_43 (CT), Pons_41 (CT), PotPie_40 (CT), SheckWes_42 (CT), SummitAcademy_39 (CT), Vine_42 (CT), Yucky_43 (CT),

Start 4:

- Found in 3 of 18 (16.7%) of genes in pham
- Manual Annotations of this start: 2 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_136 (DD), JonJames_134 (DD), Yvonnetastic_130 (DD),

Start 5:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cambiare_47 (G2),

Summary by clusters:

There are 3 clusters represented in this pham: DD, G2, CT,

Info for manual annotations of cluster CT:

- Start number 3 was manually annotated 12 times for cluster CT.

Info for manual annotations of cluster DD:

- Start number 4 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster G2:

- Start number 5 was manually annotated 1 time for cluster G2.

Gene Information:

Gene: Bavidard_39 Start: 28599, Stop: 28390, Start Num: 3

Candidate Starts for Bavidard_39:

(2, 28602), (Start: 3 @28599 has 12 MA's), (6, 28563), (10, 28530), (17, 28431), (18, 28416),

Gene: BigChungus_39 Start: 28782, Stop: 28576, Start Num: 3

Candidate Starts for BigChungus_39:

(Start: 3 @28782 has 12 MA's), (10, 28716), (14, 28626), (17, 28617), (18, 28602),

Gene: Cambiare_47 Start: 37281, Stop: 37448, Start Num: 5

Candidate Starts for Cambiare_47:

(Start: 5 @37281 has 1 MA's), (7, 37284), (10, 37317), (11, 37326), (14, 37404), (18, 37428),

Gene: Cardigan_136 Start: 76837, Stop: 77085, Start Num: 4

Candidate Starts for Cardigan_136:

(1, 76651), (Start: 4 @76837 has 2 MA's), (8, 76879), (13, 76984), (16, 77008), (18, 77029), (19, 77038),

Gene: CherryonLim_41 Start: 29932, Stop: 29723, Start Num: 3

Candidate Starts for CherryonLim_41:

(2, 29935), (Start: 3 @29932 has 12 MA's), (6, 29896), (9, 29875), (10, 29863), (14, 29773), (17, 29764), (18, 29749),

Gene: Elinal_43 Start: 29167, Stop: 28958, Start Num: 3

Candidate Starts for Elinal_43:

(2, 29170), (Start: 3 @29167 has 12 MA's), (6, 29131), (10, 29098), (17, 28999), (18, 28984),

Gene: Feastonyeet_39 Start: 28782, Stop: 28576, Start Num: 3

Candidate Starts for Feastonyeet_39:

(Start: 3 @28782 has 12 MA's), (10, 28716), (14, 28626), (17, 28617), (18, 28602),

Gene: JonJames_134 Start: 77470, Stop: 77718, Start Num: 4

Candidate Starts for JonJames_134:

(Start: 4 @77470 has 2 MA's), (8, 77512), (13, 77617), (16, 77641), (18, 77662), (19, 77671),

Gene: KayGee_41 Start: 29167, Stop: 28958, Start Num: 3

Candidate Starts for KayGee_41:

(2, 29170), (Start: 3 @29167 has 12 MA's), (6, 29131), (10, 29098), (17, 28999), (18, 28984),

Gene: Lauer_36 Start: 29997, Stop: 29788, Start Num: 3

Candidate Starts for Lauer_36:

(2, 30000), (Start: 3 @29997 has 12 MA's), (6, 29961), (9, 29940), (10, 29928), (14, 29838), (17, 29829), (18, 29814),

Gene: Mayweather_43 Start: 29791, Stop: 29582, Start Num: 3

Candidate Starts for Mayweather_43:

(2, 29794), (Start: 3 @29791 has 12 MA's), (6, 29755), (9, 29734), (10, 29722), (14, 29632), (17, 29623), (18, 29608),

Gene: Pons_41 Start: 29139, Stop: 28933, Start Num: 3

Candidate Starts for Pons_41:

(Start: 3 @29139 has 12 MA's), (10, 29073), (12, 29010), (14, 28983), (17, 28974), (18, 28959),

Gene: PotPie_40 Start: 30073, Stop: 29867, Start Num: 3

Candidate Starts for PotPie_40:

(Start: 3 @30073 has 12 MA's), (10, 30007), (14, 29917), (17, 29908), (18, 29893),

Gene: SheckWes_42 Start: 28660, Stop: 28454, Start Num: 3

Candidate Starts for SheckWes_42:

(Start: 3 @28660 has 12 MA's), (10, 28594), (14, 28504), (17, 28495), (18, 28480),

Gene: SummitAcademy_39 Start: 28702, Stop: 28496, Start Num: 3

Candidate Starts for SummitAcademy_39:

(Start: 3 @28702 has 12 MA's), (10, 28636), (14, 28546), (17, 28537), (18, 28522),

Gene: Vine_42 Start: 29438, Stop: 29232, Start Num: 3

Candidate Starts for Vine_42:

(Start: 3 @29438 has 12 MA's), (10, 29372), (14, 29282), (17, 29273), (18, 29258),

Gene: Yucky_43 Start: 29378, Stop: 29172, Start Num: 3

Candidate Starts for Yucky_43:

(Start: 3 @29378 has 12 MA's), (10, 29312), (14, 29222), (17, 29213), (18, 29198),

Gene: Yvonnetastic_130 Start: 73750, Stop: 73998, Start Num: 4

Candidate Starts for Yvonnetastic_130:

(Start: 4 @73750 has 2 MA's), (8, 73792), (13, 73897), (15, 73918), (18, 73942), (19, 73951),