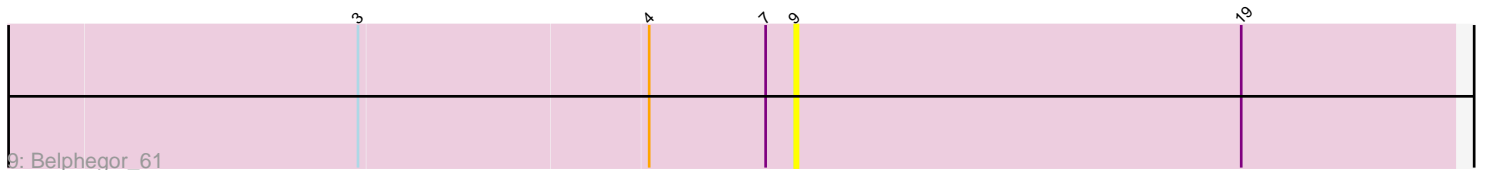
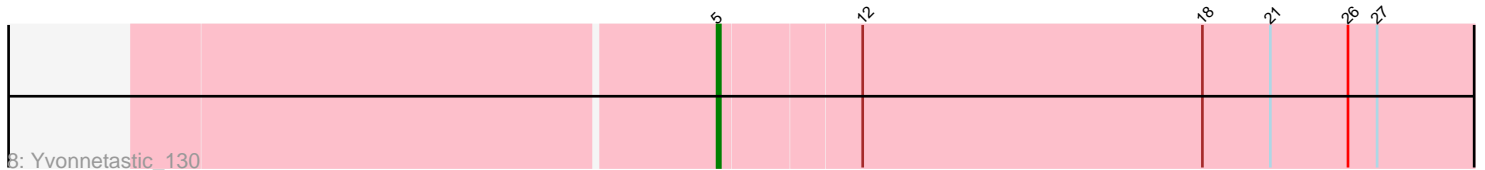
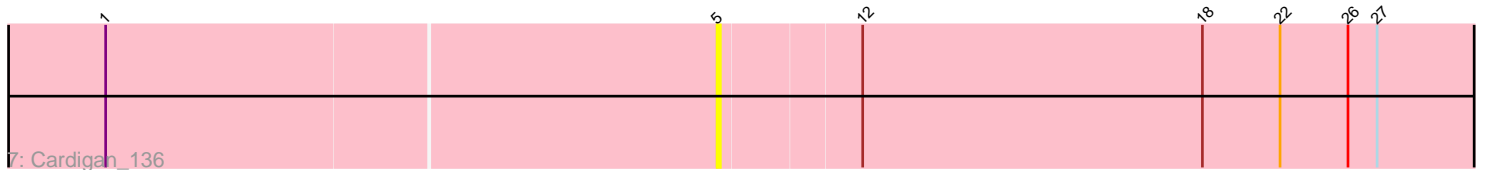
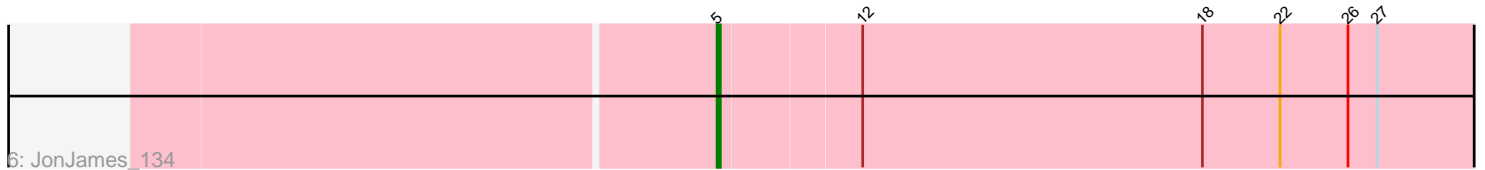
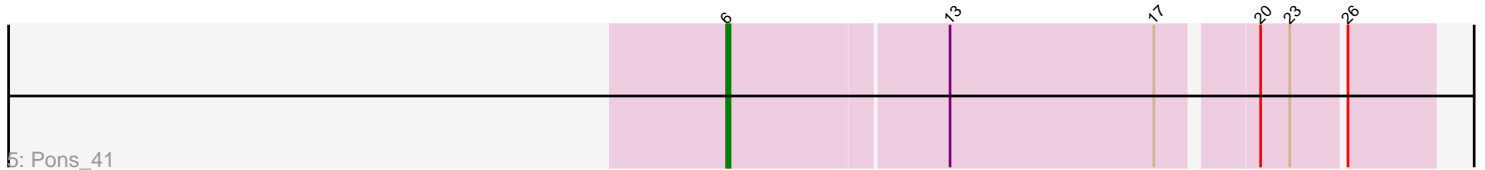
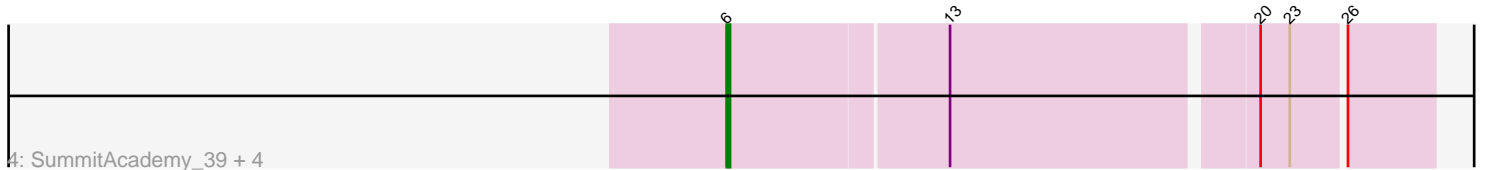
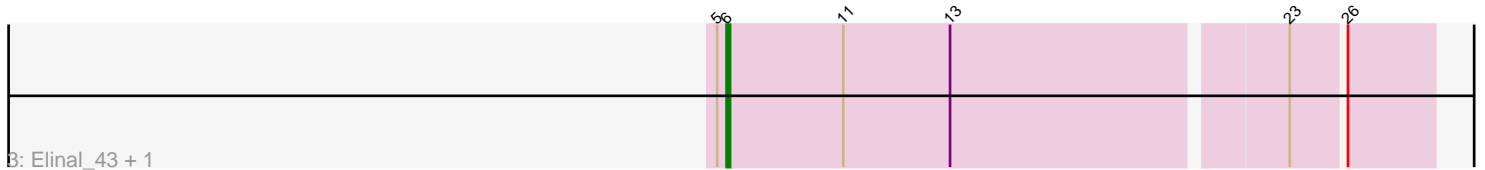
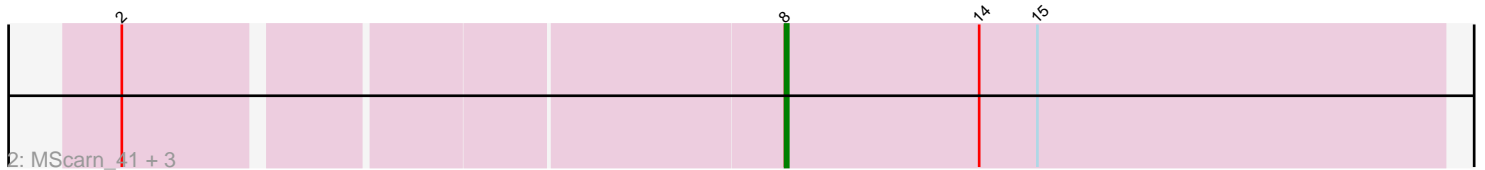
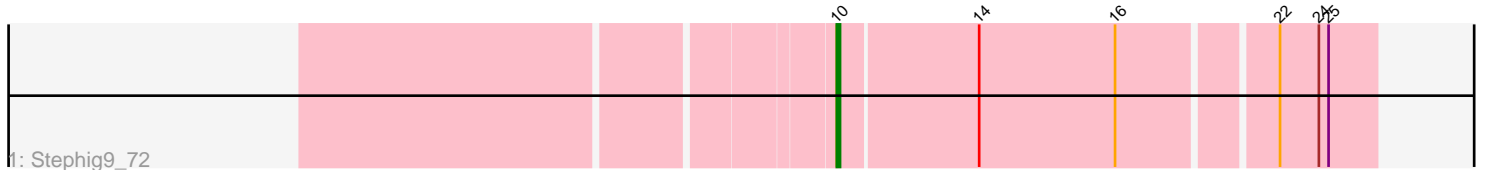


Pham 163983



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 163983 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163983 has 17 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Stephig9_72
- Track 2 : MScarn_41, Horseradish_40, Yummy_40, Buttrmlkdreams_40
- Track 3 : Elinal_43, KayGee_40
- Track 4 : SummitAcademy_39, BigChungus_39, PotPie_41, Feastonyeet_39, Vine_42
- Track 5 : Pons_41
- Track 6 : JonJames_134
- Track 7 : Cardigan_136
- Track 8 : Yvonnetastic_130
- Track 9 : Belphegor_61

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

The start number called the most often in the published annotations is 6, it was called in 6 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BigChungus_39, Elinal_43, Feastonyeet_39, KayGee_40, Pons_41, PotPie_41, SummitAcademy_39, Vine_42,

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

-

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

- Belphegor_61, Buttrmlkdreams_40, Cardigan_136, Horseradish_40, JonJames_134, MScarn_41, Stephig9_72, Yummy_40, Yvonnetastic_130,

Summary by start number:

Start 5:

- Found in 5 of 17 (29.4%) of genes in pham
- Manual Annotations of this start: 2 of 13
- Called 60.0% of time when present

- Phage (with cluster) where this start called: Cardigan_136 (DD), JonJames_134 (DD), Yvonnestic_130 (DD),

Start 6:

- Found in 8 of 17 (47.1%) of genes in pham
- Manual Annotations of this start: 6 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigChungus_39 (CT), Elinal_43 (CT), Feastonyeet_39 (CT), KayGee_40 (CT), Pons_41 (CT), PotPie_41 (CT), SummitAcademy_39 (CT), Vine_42 (CT),

Start 8:

- Found in 4 of 17 (23.5%) of genes in pham
- Manual Annotations of this start: 4 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Buttrmlkdreams_40 (CT), Horseradish_40 (CT), MScarn_41 (CT), Yummy_40 (CT),

Start 9:

- Found in 1 of 17 (5.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belphegor_61 (DE),

Start 10:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Stephig9_72 (A8),

Summary by clusters:

There are 4 clusters represented in this pham: A8, DD, DE, CT,

Info for manual annotations of cluster A8:

- Start number 10 was manually annotated 1 time for cluster A8.

Info for manual annotations of cluster CT:

- Start number 6 was manually annotated 6 times for cluster CT.
- Start number 8 was manually annotated 4 times for cluster CT.

Info for manual annotations of cluster DD:

- Start number 5 was manually annotated 2 times for cluster DD.

Gene Information:

Gene: Belphegor_61 Start: 49602, Stop: 49805, Start Num: 9

Candidate Starts for Belphegor_61:

(3, 49470), (4, 49557), (7, 49593), (9, 49602), (19, 49740),

Gene: BigChungus_39 Start: 28782, Stop: 28576, Start Num: 6
Candidate Starts for BigChungus_39:
(Start: 6 @28782 has 6 MA's), (13, 28716), (20, 28626), (23, 28617), (26, 28602),

Gene: Buttrmlkdreams_40 Start: 27645, Stop: 27442, Start Num: 8
Candidate Starts for Buttrmlkdreams_40:
(2, 27837), (Start: 8 @27645 has 4 MA's), (14, 27585), (15, 27567),

Gene: Cardigan_136 Start: 76837, Stop: 77085, Start Num: 5
Candidate Starts for Cardigan_136:
(1, 76651), (Start: 5 @76837 has 2 MA's), (12, 76879), (18, 76984), (22, 77008), (26, 77029), (27, 77038),

Gene: Elinal_43 Start: 29167, Stop: 28958, Start Num: 6
Candidate Starts for Elinal_43:
(Start: 5 @29170 has 2 MA's), (Start: 6 @29167 has 6 MA's), (11, 29131), (13, 29098), (23, 28999), (26, 28984),

Gene: Feastonyeet_39 Start: 28782, Stop: 28576, Start Num: 6
Candidate Starts for Feastonyeet_39:
(Start: 6 @28782 has 6 MA's), (13, 28716), (20, 28626), (23, 28617), (26, 28602),

Gene: Horseradish_40 Start: 27173, Stop: 26970, Start Num: 8
Candidate Starts for Horseradish_40:
(2, 27365), (Start: 8 @27173 has 4 MA's), (14, 27113), (15, 27095),

Gene: JonJames_134 Start: 77470, Stop: 77718, Start Num: 5
Candidate Starts for JonJames_134:
(Start: 5 @77470 has 2 MA's), (12, 77512), (18, 77617), (22, 77641), (26, 77662), (27, 77671),

Gene: KayGee_40 Start: 29167, Stop: 28958, Start Num: 6
Candidate Starts for KayGee_40:
(Start: 5 @29170 has 2 MA's), (Start: 6 @29167 has 6 MA's), (11, 29131), (13, 29098), (23, 28999), (26, 28984),

Gene: MScarn_41 Start: 27313, Stop: 27110, Start Num: 8
Candidate Starts for MScarn_41:
(2, 27505), (Start: 8 @27313 has 4 MA's), (14, 27253), (15, 27235),

Gene: Pons_41 Start: 29139, Stop: 28933, Start Num: 6
Candidate Starts for Pons_41:
(Start: 6 @29139 has 6 MA's), (13, 29073), (17, 29010), (20, 28983), (23, 28974), (26, 28959),

Gene: PotPie_41 Start: 30073, Stop: 29867, Start Num: 6
Candidate Starts for PotPie_41:
(Start: 6 @30073 has 6 MA's), (13, 30007), (20, 29917), (23, 29908), (26, 29893),

Gene: Stephig9_72 Start: 40770, Stop: 40612, Start Num: 10
Candidate Starts for Stephig9_72:
(Start: 10 @40770 has 1 MA's), (14, 40728), (16, 40686), (22, 40641), (24, 40629), (25, 40626),

Gene: SummitAcademy_39 Start: 28702, Stop: 28496, Start Num: 6
Candidate Starts for SummitAcademy_39:

(Start: 6 @28702 has 6 MA's), (13, 28636), (20, 28546), (23, 28537), (26, 28522),

Gene: Vine_42 Start: 29438, Stop: 29232, Start Num: 6

Candidate Starts for Vine_42:

(Start: 6 @29438 has 6 MA's), (13, 29372), (20, 29282), (23, 29273), (26, 29258),

Gene: Yummy_40 Start: 27287, Stop: 27084, Start Num: 8

Candidate Starts for Yummy_40:

(2, 27479), (Start: 8 @27287 has 4 MA's), (14, 27227), (15, 27209),

Gene: Yvonnetastic_130 Start: 73750, Stop: 73998, Start Num: 5

Candidate Starts for Yvonnetastic_130:

(Start: 5 @73750 has 2 MA's), (12, 73792), (18, 73897), (21, 73918), (26, 73942), (27, 73951),