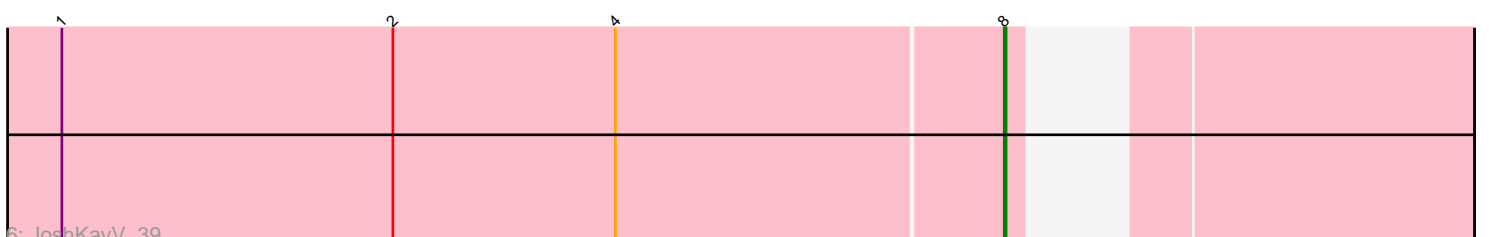
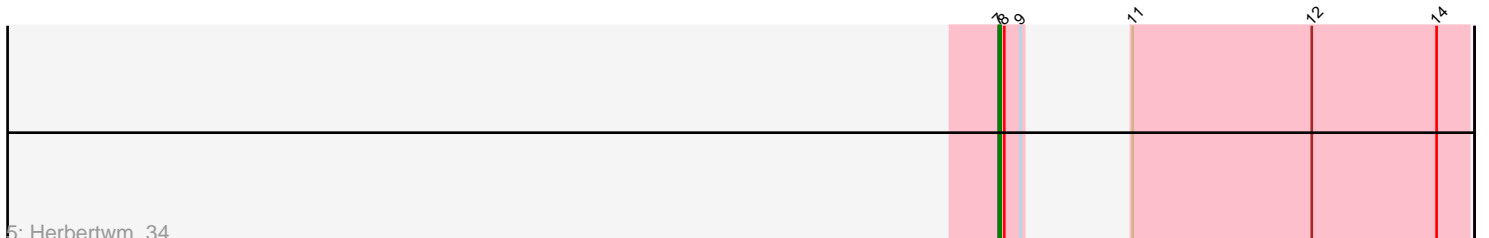
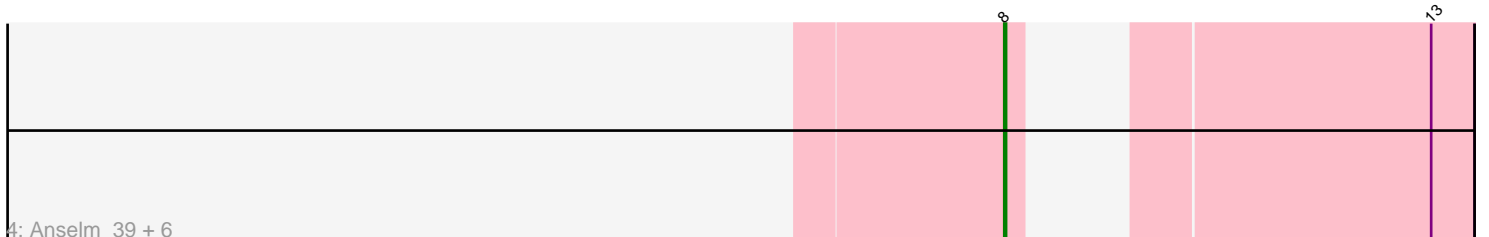
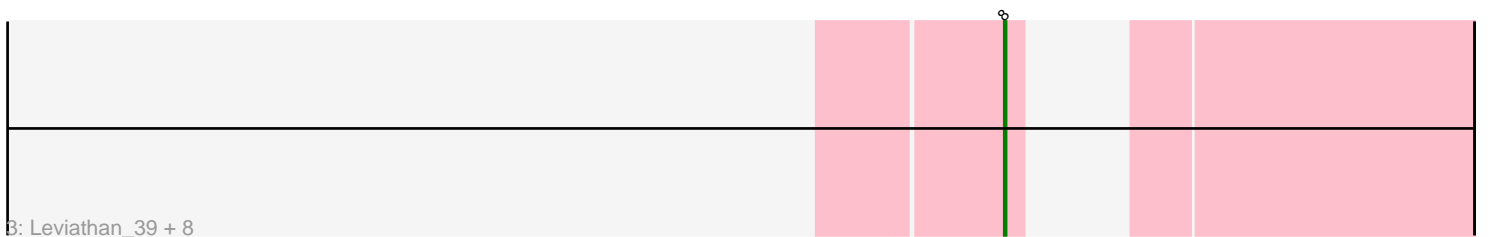
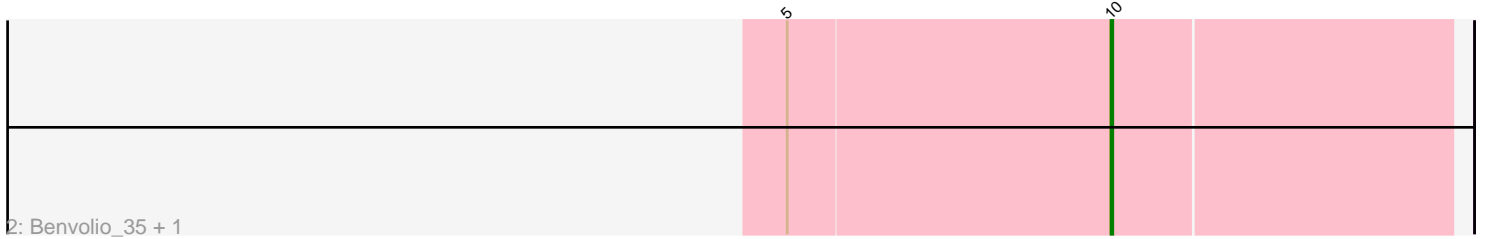
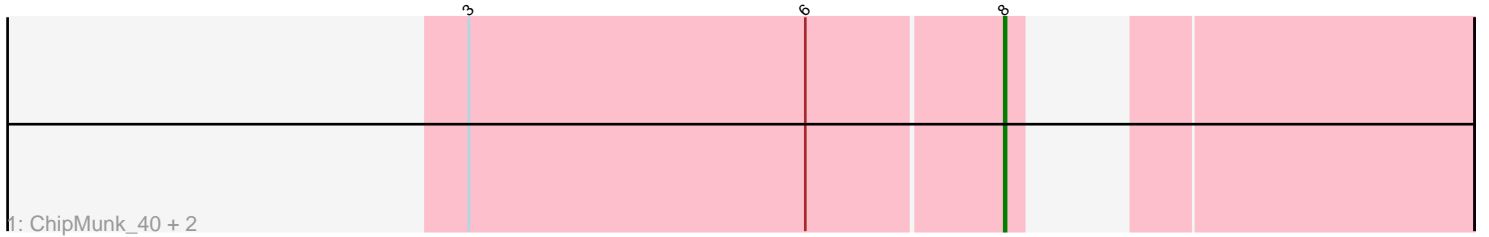


Pham 221736



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 221736 Report

This analysis was run 03/28/25 on database version 593.

Pham number 221736 has 23 members, 0 are drafts.

Phages represented in each track:

- Track 1 : ChipMunk_40, KingCyrus_40, EvilGenius_40
- Track 2 : Benvolio_35, Echild_37
- Track 3 : Leviathan_39, Agape74_39, LilTurb_38, Turbido_38, Dignity_39, Whabigail7_38, Smeagan_40, AbbyPaige_39, Jerm_39
- Track 4 : Anselm_39, Fameo_38, Dalmatian_39, QueenB2_38, Retro23_39, Heffalump_38, DudeLittle_37
- Track 5 : Herbertwm_34
- Track 6 : JoshKayV_39

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

The start number called the most often in the published annotations is 8, it was called in 20 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyPaige_39, Agape74_39, Anselm_39, ChipMunk_40, Dalmatian_39, Dignity_39, DudeLittle_37, EvilGenius_40, Fameo_38, Heffalump_38, Jerm_39, JoshKayV_39, KingCyrus_40, Leviathan_39, LilTurb_38, QueenB2_38, Retro23_39, Smeagan_40, Turbido_38, Whabigail7_38,

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

- Herbertwm_34,

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

- Benvolio_35, Echild_37,

Summary by start number:

Start 7:

- Found in 1 of 23 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Herbertwm_34 (A2),

Start 8:

- Found in 21 of 23 (91.3%) of genes in pham
- Manual Annotations of this start: 20 of 23
- Called 95.2% of time when present
- Phage (with cluster) where this start called: AbbyPaige_39 (A2), Agape74_39 (A2), Anselm_39 (A2), ChipMunk_40 (A2), Dalmatian_39 (A2), Dignity_39 (A2), DudeLittle_37 (A2), EvilGenius_40 (A2), Fameo_38 (A2), Heffalump_38 (A2), Jerm_39 (A2), JoshKayV_39 (A2), KingCyrus_40 (A2), Leviathan_39 (A2), LiITurb_38 (A2), QueenB2_38 (A2), Retro23_39 (A2), Smeagan_40 (A2), Turbido_38 (A2), Whabigail7_38 (A2),

Start 10:

- Found in 2 of 23 (8.7%) of genes in pham
- Manual Annotations of this start: 2 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Benvolio_35 (A2), Echild_37 (A2),

Summary by clusters:

There is one cluster represented in this pham: A2

Info for manual annotations of cluster A2:

- Start number 7 was manually annotated 1 time for cluster A2.
- Start number 8 was manually annotated 20 times for cluster A2.
- Start number 10 was manually annotated 2 times for cluster A2.

Gene Information:

Gene: AbbyPaige_39 Start: 28411, Stop: 28214, Start Num: 8
Candidate Starts for AbbyPaige_39:
(Start: 8 @28411 has 20 MA's),

Gene: Agape74_39 Start: 28396, Stop: 28199, Start Num: 8
Candidate Starts for Agape74_39:
(Start: 8 @28396 has 20 MA's),

Gene: Anselm_39 Start: 28514, Stop: 28317, Start Num: 8
Candidate Starts for Anselm_39:
(Start: 8 @28514 has 20 MA's), (13, 28340),

Gene: Benvolio_35 Start: 27475, Stop: 27290, Start Num: 10
Candidate Starts for Benvolio_35:
(5, 27652), (Start: 10 @27475 has 2 MA's),

Gene: ChipMunk_40 Start: 29841, Stop: 29644, Start Num: 8
Candidate Starts for ChipMunk_40:
(3, 30132), (6, 29946), (Start: 8 @29841 has 20 MA's),

Gene: Dalmatian_39 Start: 28490, Stop: 28293, Start Num: 8
Candidate Starts for Dalmatian_39:
(Start: 8 @28490 has 20 MA's), (13, 28316),

Gene: Dignity_39 Start: 28476, Stop: 28279, Start Num: 8
Candidate Starts for Dignity_39:
(Start: 8 @28476 has 20 MA's),

Gene: DudeLittle_37 Start: 28156, Stop: 27959, Start Num: 8
Candidate Starts for DudeLittle_37:
(Start: 8 @28156 has 20 MA's), (13, 27982),

Gene: Echild_37 Start: 27499, Stop: 27314, Start Num: 10
Candidate Starts for Echild_37:
(5, 27676), (Start: 10 @27499 has 2 MA's),

Gene: EvilGenius_40 Start: 29845, Stop: 29648, Start Num: 8
Candidate Starts for EvilGenius_40:
(3, 30136), (6, 29950), (Start: 8 @29845 has 20 MA's),

Gene: Fameo_38 Start: 28284, Stop: 28087, Start Num: 8
Candidate Starts for Fameo_38:
(Start: 8 @28284 has 20 MA's), (13, 28110),

Gene: Heffalump_38 Start: 29016, Stop: 28819, Start Num: 8
Candidate Starts for Heffalump_38:
(Start: 8 @29016 has 20 MA's), (13, 28842),

Gene: Herbertwm_34 Start: 26537, Stop: 26337, Start Num: 7
Candidate Starts for Herbertwm_34:
(Start: 7 @26537 has 1 MA's), (Start: 8 @26534 has 20 MA's), (9, 26525), (11, 26522), (12, 26423),
(14, 26354),

Gene: Jerm_39 Start: 28469, Stop: 28272, Start Num: 8
Candidate Starts for Jerm_39:
(Start: 8 @28469 has 20 MA's),

Gene: JoshKayV_39 Start: 28432, Stop: 28235, Start Num: 8
Candidate Starts for JoshKayV_39:
(1, 28948), (2, 28765), (4, 28642), (Start: 8 @28432 has 20 MA's),

Gene: KingCyrus_40 Start: 29840, Stop: 29643, Start Num: 8
Candidate Starts for KingCyrus_40:
(3, 30131), (6, 29945), (Start: 8 @29840 has 20 MA's),

Gene: Leviathan_39 Start: 28525, Stop: 28328, Start Num: 8
Candidate Starts for Leviathan_39:
(Start: 8 @28525 has 20 MA's),

Gene: LilTurb_38 Start: 28358, Stop: 28161, Start Num: 8
Candidate Starts for LilTurb_38:
(Start: 8 @28358 has 20 MA's),

Gene: QueenB2_38 Start: 28202, Stop: 28005, Start Num: 8
Candidate Starts for QueenB2_38:
(Start: 8 @28202 has 20 MA's), (13, 28028),

Gene: Retro23_39 Start: 28486, Stop: 28289, Start Num: 8
Candidate Starts for Retro23_39:
(Start: 8 @28486 has 20 MA's), (13, 28312),

Gene: Smeagan_40 Start: 28612, Stop: 28415, Start Num: 8
Candidate Starts for Smeagan_40:
(Start: 8 @28612 has 20 MA's),

Gene: Turbido_38 Start: 28352, Stop: 28155, Start Num: 8
Candidate Starts for Turbido_38:
(Start: 8 @28352 has 20 MA's),

Gene: Whabigail7_38 Start: 28340, Stop: 28143, Start Num: 8
Candidate Starts for Whabigail7_38:
(Start: 8 @28340 has 20 MA's),