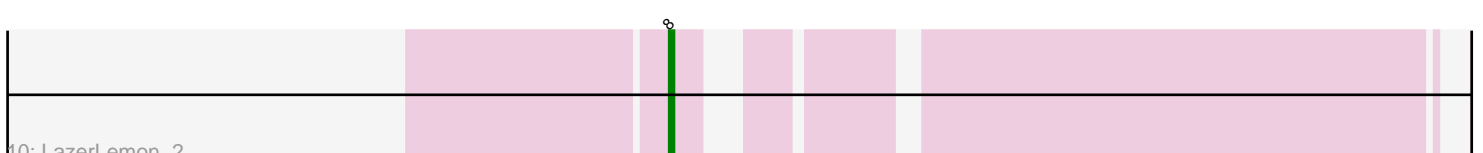
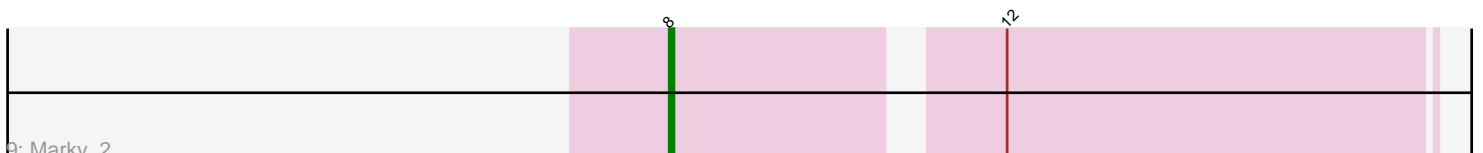
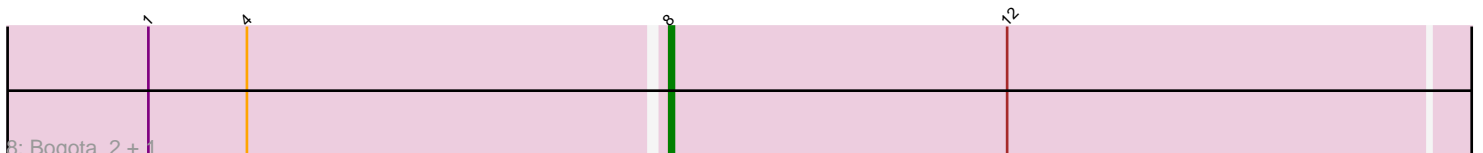
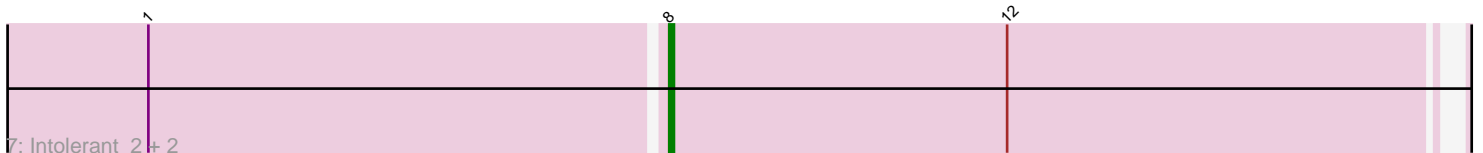
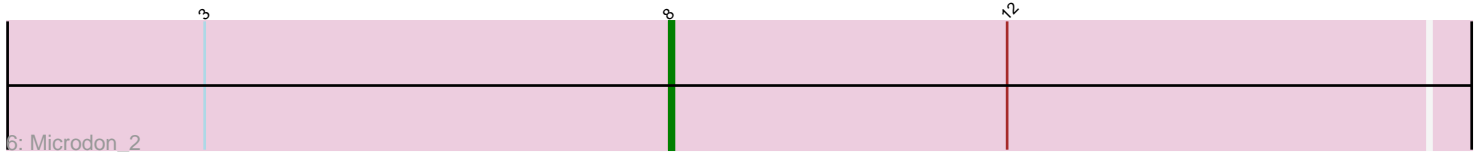
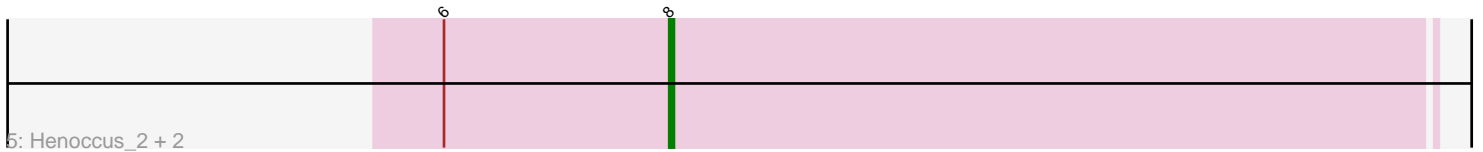
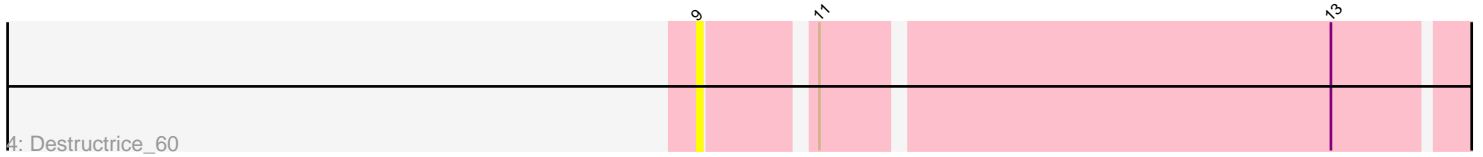
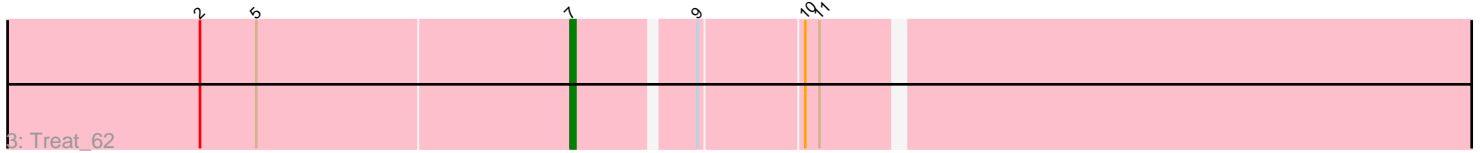
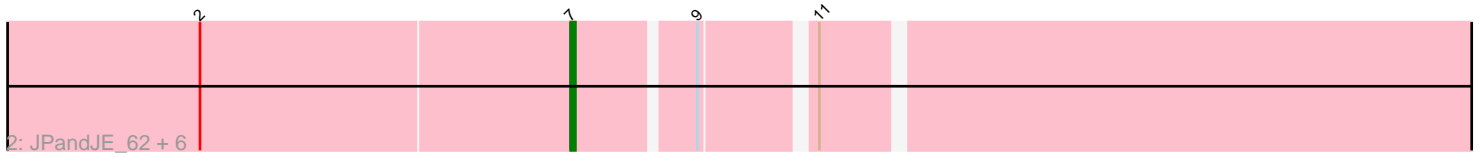
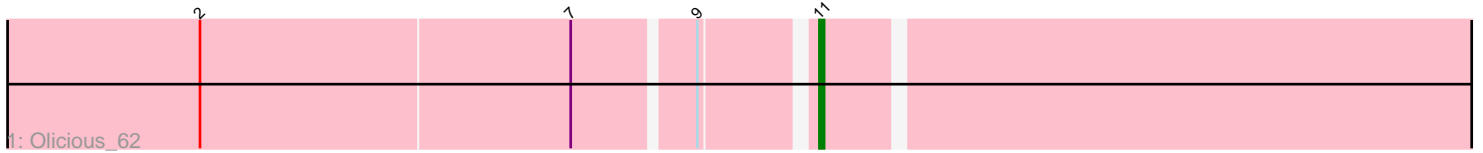


Pham 203313



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 203313 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203313 has 21 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Olicious_62
- Track 2 : JPandJE_62, Immanuel3_61, ToriToki_62, Romero_62, ZooBear_62, HaugeAnator_62, Percastrophe_62
- Track 3 : Treat_62
- Track 4 : Destructrice_60
- Track 5 : Henoccus_2, Araceli_2, JackieB_2
- Track 6 : Microdon_2
- Track 7 : Intolerant_2, Crosby_2, Stuff_2
- Track 8 : Bogota_2, UNTPL_2
- Track 9 : Marky_2
- Track 10 : LazerLemon_2

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 11 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araceli_2, Bogota_2, Crosby_2, Henoccus_2, Intolerant_2, JackieB_2, LazerLemon_2, Marky_2, Microdon_2, Stuff_2, UNTPL_2,

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

-

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

- Destructrice_60, HaugeAnator_62, Immanuel3_61, JPandJE_62, Olicious_62, Percastrophe_62, Romero_62, ToriToki_62, Treat_62, ZooBear_62,

Summary by start number:

Start 7:

- Found in 9 of 21 (42.9%) of genes in pham
- Manual Annotations of this start: 8 of 20
- Called 88.9% of time when present

- Phage (with cluster) where this start called: HaugeAnator_62 (BF), Immanuel3_61 (BF), JPandJE_62 (BF), Percastrophe_62 (BF), Romero_62 (BF), ToriToki_62 (BF), Treat_62 (BF), ZooBear_62 (BF),

Start 8:

- Found in 11 of 21 (52.4%) of genes in pham
- Manual Annotations of this start: 11 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Araceli_2 (BH), Bogota_2 (BH), Crosby_2 (BH), Henoccus_2 (BH), Intolerant_2 (BH), JackieB_2 (BH), LazerLemon_2 (BH), Marky_2 (BH), Microdon_2 (BH), Stuff_2 (BH), UNTPL_2 (BH),

Start 9:

- Found in 10 of 21 (47.6%) of genes in pham
- No Manual Annotations of this start.
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Destructrice_60 (BF),

Start 11:

- Found in 10 of 21 (47.6%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Olicious_62 (BF),

Summary by clusters:

There are 2 clusters represented in this pham: BF, BH,

Info for manual annotations of cluster BF:

- Start number 7 was manually annotated 8 times for cluster BF.
- Start number 11 was manually annotated 1 time for cluster BF.

Info for manual annotations of cluster BH:

- Start number 8 was manually annotated 11 times for cluster BH.

Gene Information:

Gene: Araceli_2 Start: 230, Stop: 421, Start Num: 8

Candidate Starts for Araceli_2:

(6, 182), (Start: 8 @230 has 11 MA's),

Gene: Bogota_2 Start: 198, Stop: 392, Start Num: 8

Candidate Starts for Bogota_2:

(1, 90), (4, 111), (Start: 8 @198 has 11 MA's), (12, 270),

Gene: Crosby_2 Start: 198, Stop: 386, Start Num: 8

Candidate Starts for Crosby_2:

(1, 90), (Start: 8 @198 has 11 MA's), (12, 270),

Gene: Destructrice_60 Start: 31755, Stop: 31579, Start Num: 9

Candidate Starts for Destructrice_60:

(9, 31755), (Start: 11 @31734 has 1 MA's), (13, 31629),

Gene: HaugeAnator_62 Start: 31855, Stop: 31646, Start Num: 7

Candidate Starts for HaugeAnator_62:

(2, 31933), (Start: 7 @31855 has 8 MA's), (9, 31831), (Start: 11 @31810 has 1 MA's),

Gene: Henoccus_2 Start: 230, Stop: 421, Start Num: 8

Candidate Starts for Henoccus_2:

(6, 182), (Start: 8 @230 has 11 MA's),

Gene: Immanuel3_61 Start: 31858, Stop: 31649, Start Num: 7

Candidate Starts for Immanuel3_61:

(2, 31936), (Start: 7 @31858 has 8 MA's), (9, 31834), (Start: 11 @31813 has 1 MA's),

Gene: Intolerant_2 Start: 198, Stop: 386, Start Num: 8

Candidate Starts for Intolerant_2:

(1, 90), (Start: 8 @198 has 11 MA's), (12, 270),

Gene: JPandJE_62 Start: 32374, Stop: 32168, Start Num: 7

Candidate Starts for JPandJE_62:

(2, 32452), (Start: 7 @32374 has 8 MA's), (9, 32350), (Start: 11 @32329 has 1 MA's),

Gene: JackieB_2 Start: 230, Stop: 421, Start Num: 8

Candidate Starts for JackieB_2:

(6, 182), (Start: 8 @230 has 11 MA's),

Gene: LazerLemon_2 Start: 258, Stop: 425, Start Num: 8

Candidate Starts for LazerLemon_2:

(Start: 8 @258 has 11 MA's),

Gene: Marky_2 Start: 185, Stop: 367, Start Num: 8

Candidate Starts for Marky_2:

(Start: 8 @185 has 11 MA's), (12, 248),

Gene: Microdon_2 Start: 201, Stop: 395, Start Num: 8

Candidate Starts for Microdon_2:

(3, 102), (Start: 8 @201 has 11 MA's), (12, 273),

Gene: Olicious_62 Start: 31810, Stop: 31646, Start Num: 11

Candidate Starts for Olicious_62:

(2, 31933), (Start: 7 @31855 has 8 MA's), (9, 31831), (Start: 11 @31810 has 1 MA's),

Gene: Percastrophe_62 Start: 31789, Stop: 31580, Start Num: 7

Candidate Starts for Percastrophe_62:

(2, 31867), (Start: 7 @31789 has 8 MA's), (9, 31765), (Start: 11 @31744 has 1 MA's),

Gene: Romero_62 Start: 31848, Stop: 31639, Start Num: 7

Candidate Starts for Romero_62:

(2, 31926), (Start: 7 @31848 has 8 MA's), (9, 31824), (Start: 11 @31803 has 1 MA's),

Gene: Stuff_2 Start: 198, Stop: 389, Start Num: 8

Candidate Starts for Stuff_2:

(1, 90), (Start: 8 @198 has 11 MA's), (12, 267),

Gene: ToriToki_62 Start: 31851, Stop: 31642, Start Num: 7

Candidate Starts for ToriToki_62:

(2, 31929), (Start: 7 @31851 has 8 MA's), (9, 31827), (Start: 11 @31806 has 1 MA's),

Gene: Treat_62 Start: 31795, Stop: 31586, Start Num: 7

Candidate Starts for Treat_62:

(2, 31873), (5, 31861), (Start: 7 @31795 has 8 MA's), (9, 31771), (10, 31750), (Start: 11 @31747 has 1 MA's),

Gene: UNTPL_2 Start: 198, Stop: 392, Start Num: 8

Candidate Starts for UNTPL_2:

(1, 90), (4, 111), (Start: 8 @198 has 11 MA's), (12, 270),

Gene: ZooBear_62 Start: 31855, Stop: 31646, Start Num: 7

Candidate Starts for ZooBear_62:

(2, 31933), (Start: 7 @31855 has 8 MA's), (9, 31831), (Start: 11 @31810 has 1 MA's),