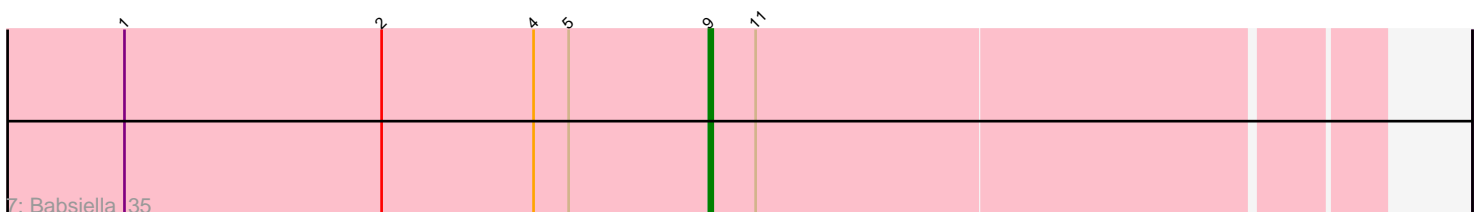
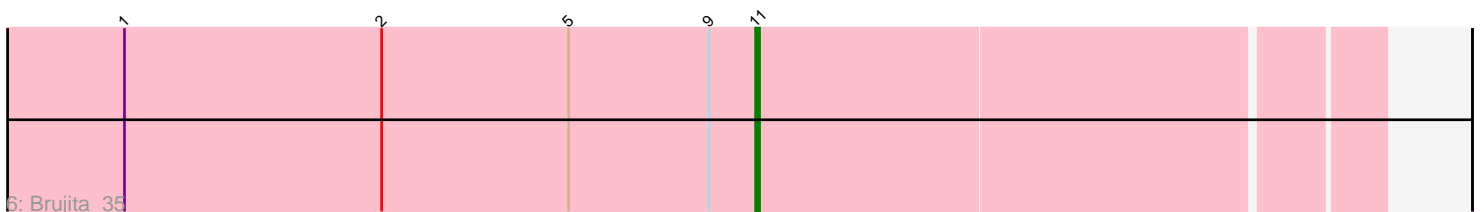
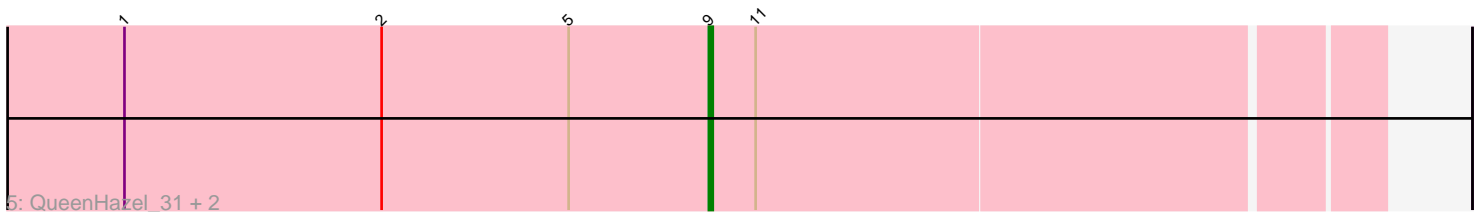
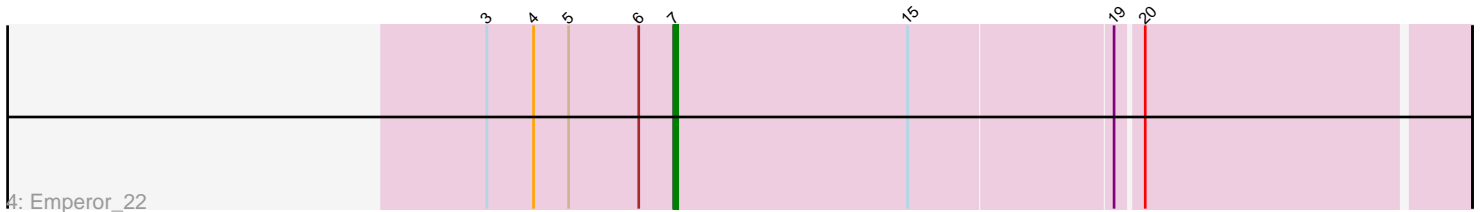
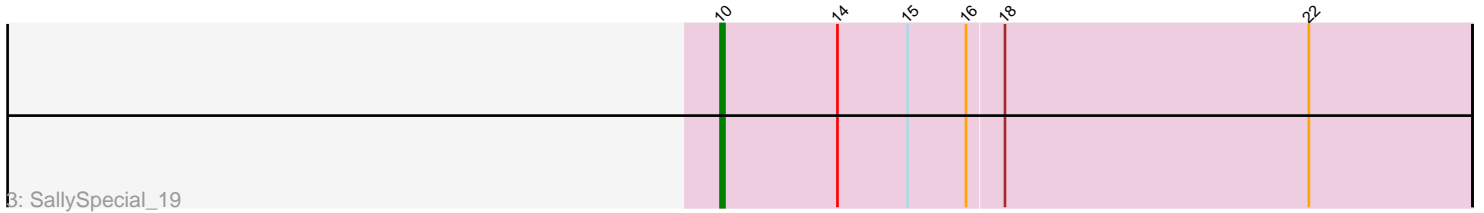
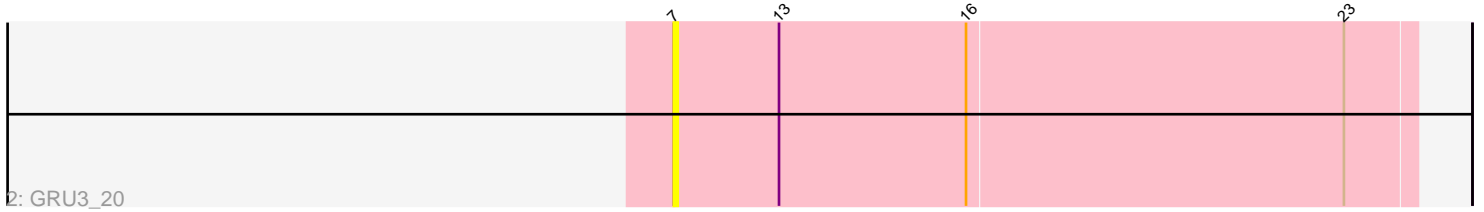
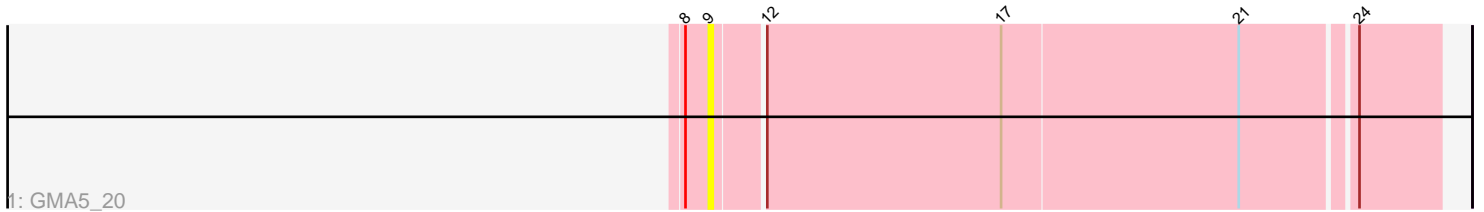


Pham 197083



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 197083 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197083 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : GMA5_20
- Track 2 : GRU3_20
- Track 3 : SallySpecial_19
- Track 4 : Emperor_22
- Track 5 : QueenHazel_31, Xula_30, Island3_35
- Track 6 : Brujita_35
- Track 7 : Babsiella_35

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Babsiella_35, GMA5_20, Island3_35, QueenHazel_31, Xula_30,

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

- Brujita_35,

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

- Emperor_22, GRU3_20, SallySpecial_19,

Summary by start number:

Start 7:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Emperor_22 (DM), GRU3_20 (CW2),

Start 9:

- Found in 6 of 9 (66.7%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 83.3% of time when present

- Phage (with cluster) where this start called: Babsiella_35 (I1), GMA5_20 (CW2), Island3_35 (I1), QueenHazel_31 (I1), Xula_30 (I1),

Start 10:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SallySpecial_19 (DM),

Start 11:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Brujita_35 (I1),

Summary by clusters:

There are 3 clusters represented in this pham: I1, DM, CW2,

Info for manual annotations of cluster DM:

- Start number 7 was manually annotated 1 time for cluster DM.
- Start number 10 was manually annotated 1 time for cluster DM.

Info for manual annotations of cluster I1:

- Start number 9 was manually annotated 4 times for cluster I1.
- Start number 11 was manually annotated 1 time for cluster I1.

Gene Information:

Gene: Babsiella_35 Start: 28713, Stop: 28880, Start Num: 9

Candidate Starts for Babsiella_35:

(1, 28563), (2, 28629), (4, 28668), (5, 28677), (Start: 9 @28713 has 4 MA's), (Start: 11 @28725 has 1 MA's),

Gene: Brujita_35 Start: 29623, Stop: 29778, Start Num: 11

Candidate Starts for Brujita_35:

(1, 29461), (2, 29527), (5, 29575), (Start: 9 @29611 has 4 MA's), (Start: 11 @29623 has 1 MA's),

Gene: Emperor_22 Start: 15163, Stop: 15360, Start Num: 7

Candidate Starts for Emperor_22:

(3, 15115), (4, 15127), (5, 15136), (6, 15154), (Start: 7 @15163 has 1 MA's), (15, 15223), (19, 15274), (20, 15280),

Gene: GMA5_20 Start: 14712, Stop: 14891, Start Num: 9

Candidate Starts for GMA5_20:

(8, 14706), (Start: 9 @14712 has 4 MA's), (12, 14724), (17, 14784), (21, 14844), (24, 14871),

Gene: GRU3_20 Start: 14761, Stop: 14949, Start Num: 7

Candidate Starts for GRU3_20:

(Start: 7 @14761 has 1 MA's), (13, 14788), (16, 14836), (23, 14932),

Gene: Island3_35 Start: 29611, Stop: 29778, Start Num: 9

Candidate Starts for Island3_35:

(1, 29461), (2, 29527), (5, 29575), (Start: 9 @29611 has 4 MA's), (Start: 11 @29623 has 1 MA's),

Gene: QueenHazel_31 Start: 27647, Stop: 27814, Start Num: 9

Candidate Starts for QueenHazel_31:

(1, 27497), (2, 27563), (5, 27611), (Start: 9 @27647 has 4 MA's), (Start: 11 @27659 has 1 MA's),

Gene: SallySpecial_19 Start: 14475, Stop: 14666, Start Num: 10

Candidate Starts for SallySpecial_19:

(Start: 10 @14475 has 1 MA's), (14, 14505), (15, 14523), (16, 14538), (18, 14547), (22, 14625),

Gene: Xula_30 Start: 27171, Stop: 27338, Start Num: 9

Candidate Starts for Xula_30:

(1, 27021), (2, 27087), (5, 27135), (Start: 9 @27171 has 4 MA's), (Start: 11 @27183 has 1 MA's),