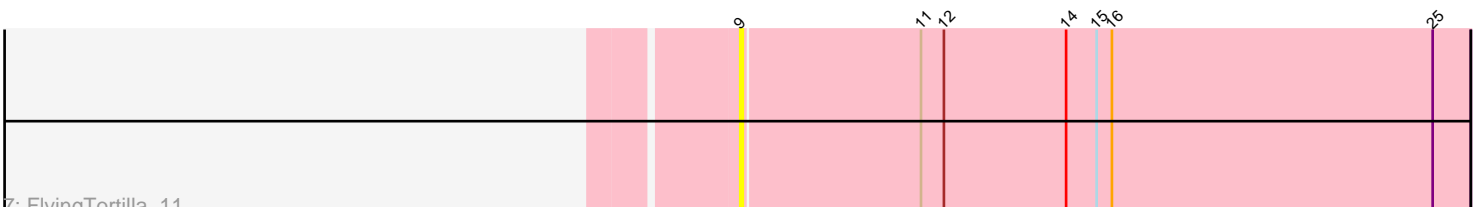
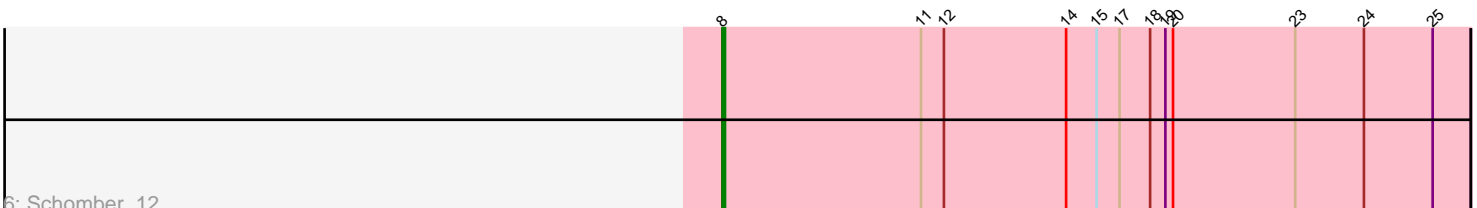
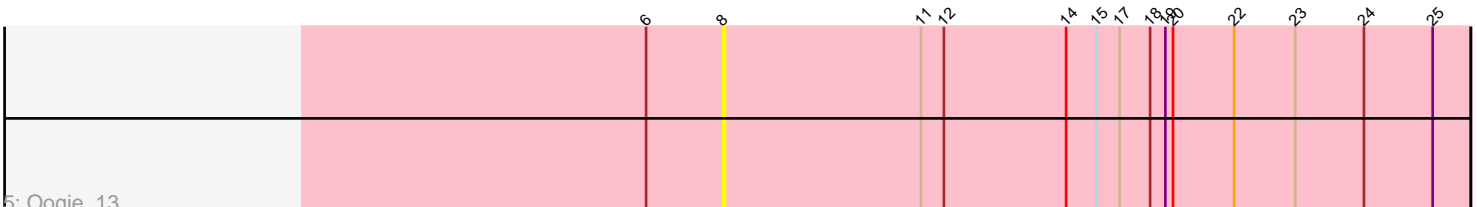
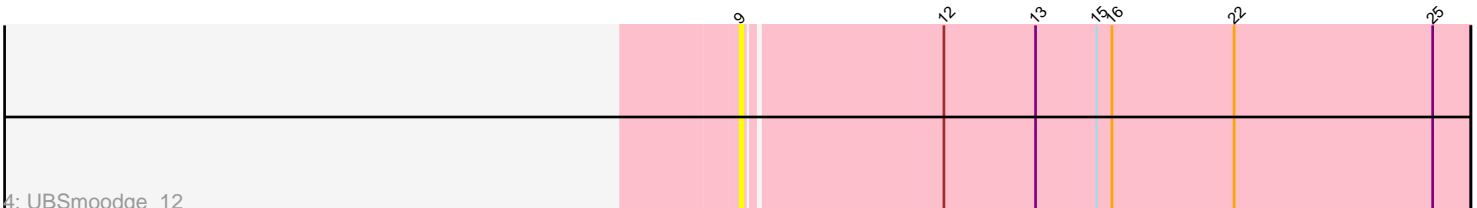
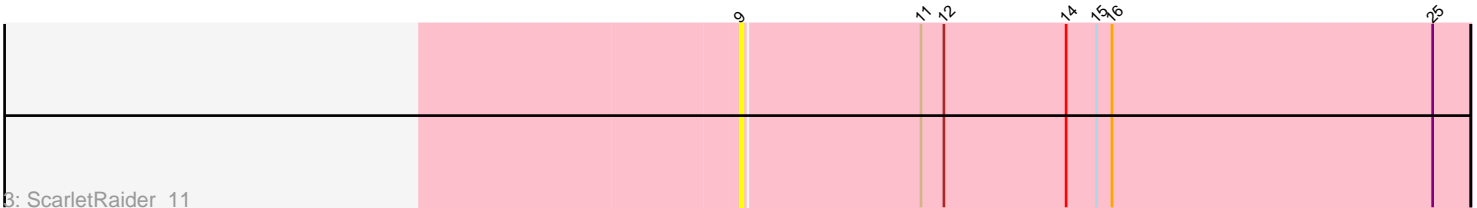
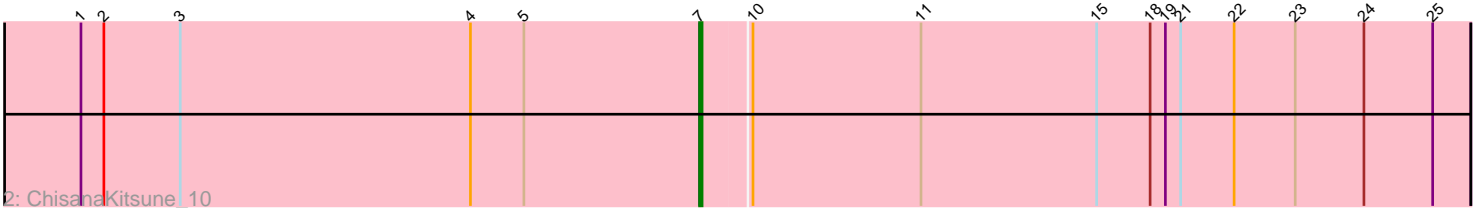
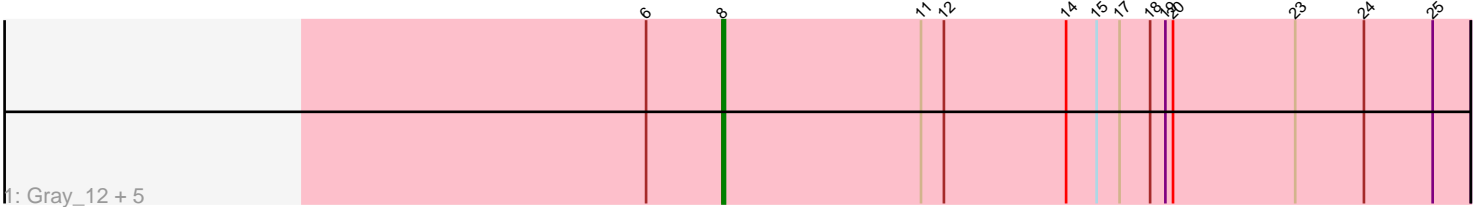


Pham 11295



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 11295 Report

This analysis was run 04/05/24 on database version 557.

Pham number 11295 has 12 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Gray_12, Chidiebere_12, Alok_12, Hanem_12, Pakusa_12, Kabocha_12
- Track 2 : ChisanaKitsune_10
- Track 3 : ScarletRaider_11
- Track 4 : UBSmoodge_12
- Track 5 : Oogie_13
- Track 6 : Schomber_12
- Track 7 : FlyingTortilla_11

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alok_12, Chidiebere_12, Gray_12, Hanem_12, Kabocha_12, Oogie_13, Pakusa_12, Schomber_12,

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

-

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

- ChisanaKitsune_10, FlyingTortilla_11, ScarletRaider_11, UBSmoodge_12,

Summary by start number:

Start 7:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ChisanaKitsune_10 (DQ),

Start 8:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 5 of 6

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alok_i_12 (DQ), Chidiebere_12 (DQ), Gray_12 (DQ), Hanem_12 (DQ), Kabocha_12 (DQ), Oogie_13 (DQ), Pakusa_12 (DQ), Schomber_12 (DQ),

Start 9:

- Found in 3 of 12 (25.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FlyingTortilla_11 (DQ), ScarletRaider_11 (DQ), UBSmoodge_12 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 7 was manually annotated 1 time for cluster DQ.
- Start number 8 was manually annotated 5 times for cluster DQ.

Gene Information:

Gene: Alok_i_12 Start: 5118, Stop: 5411, Start Num: 8

Candidate Starts for Alok_i_12:

(6, 5088), (Start: 8 @5118 has 5 MA's), (11, 5196), (12, 5205), (14, 5253), (15, 5265), (17, 5274), (18, 5286), (19, 5292), (20, 5295), (23, 5343), (24, 5370), (25, 5397),

Gene: Chidiebere_12 Start: 5118, Stop: 5411, Start Num: 8

Candidate Starts for Chidiebere_12:

(6, 5088), (Start: 8 @5118 has 5 MA's), (11, 5196), (12, 5205), (14, 5253), (15, 5265), (17, 5274), (18, 5286), (19, 5292), (20, 5295), (23, 5343), (24, 5370), (25, 5397),

Gene: ChisanaKitsune_10 Start: 4364, Stop: 4663, Start Num: 7

Candidate Starts for ChisanaKitsune_10:

(1, 4121), (2, 4130), (3, 4160), (4, 4274), (5, 4295), (Start: 7 @4364 has 1 MA's), (10, 4382), (11, 4448), (15, 4517), (18, 4538), (19, 4544), (21, 4550), (22, 4571), (23, 4595), (24, 4622), (25, 4649),

Gene: FlyingTortilla_11 Start: 5946, Stop: 6230, Start Num: 9

Candidate Starts for FlyingTortilla_11:

(9, 5946), (11, 6015), (12, 6024), (14, 6072), (15, 6084), (16, 6090), (25, 6216),

Gene: Gray_12 Start: 5118, Stop: 5411, Start Num: 8

Candidate Starts for Gray_12:

(6, 5088), (Start: 8 @5118 has 5 MA's), (11, 5196), (12, 5205), (14, 5253), (15, 5265), (17, 5274), (18, 5286), (19, 5292), (20, 5295), (23, 5343), (24, 5370), (25, 5397),

Gene: Hanem_12 Start: 5118, Stop: 5411, Start Num: 8

Candidate Starts for Hanem_12:

(6, 5088), (Start: 8 @5118 has 5 MA's), (11, 5196), (12, 5205), (14, 5253), (15, 5265), (17, 5274), (18, 5286), (19, 5292), (20, 5295), (23, 5343), (24, 5370), (25, 5397),

Gene: Kabocha_12 Start: 5118, Stop: 5411, Start Num: 8

Candidate Starts for Kabocha_12:

(6, 5088), (Start: 8 @5118 has 5 MA's), (11, 5196), (12, 5205), (14, 5253), (15, 5265), (17, 5274), (18, 5286), (19, 5292), (20, 5295), (23, 5343), (24, 5370), (25, 5397),

Gene: Oogie_13 Start: 5015, Stop: 5308, Start Num: 8

Candidate Starts for Oogie_13:

(6, 4985), (Start: 8 @5015 has 5 MA's), (11, 5093), (12, 5102), (14, 5150), (15, 5162), (17, 5171), (18, 5183), (19, 5189), (20, 5192), (22, 5216), (23, 5240), (24, 5267), (25, 5294),

Gene: Pakusa_12 Start: 4860, Stop: 5153, Start Num: 8

Candidate Starts for Pakusa_12:

(6, 4830), (Start: 8 @4860 has 5 MA's), (11, 4938), (12, 4947), (14, 4995), (15, 5007), (17, 5016), (18, 5028), (19, 5034), (20, 5037), (23, 5085), (24, 5112), (25, 5139),

Gene: ScarletRaider_11 Start: 5973, Stop: 6257, Start Num: 9

Candidate Starts for ScarletRaider_11:

(9, 5973), (11, 6042), (12, 6051), (14, 6099), (15, 6111), (16, 6117), (25, 6243),

Gene: Schomber_12 Start: 5118, Stop: 5411, Start Num: 8

Candidate Starts for Schomber_12:

(Start: 8 @5118 has 5 MA's), (11, 5196), (12, 5205), (14, 5253), (15, 5265), (17, 5274), (18, 5286), (19, 5292), (20, 5295), (23, 5343), (24, 5370), (25, 5397),

Gene: UBSmoodge_12 Start: 6349, Stop: 6630, Start Num: 9

Candidate Starts for UBSmoodge_12:

(9, 6349), (12, 6424), (13, 6460), (15, 6484), (16, 6490), (22, 6538), (25, 6616),