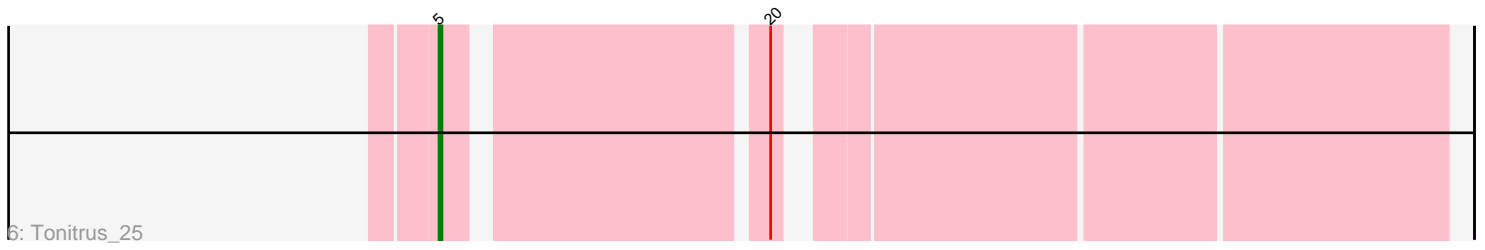
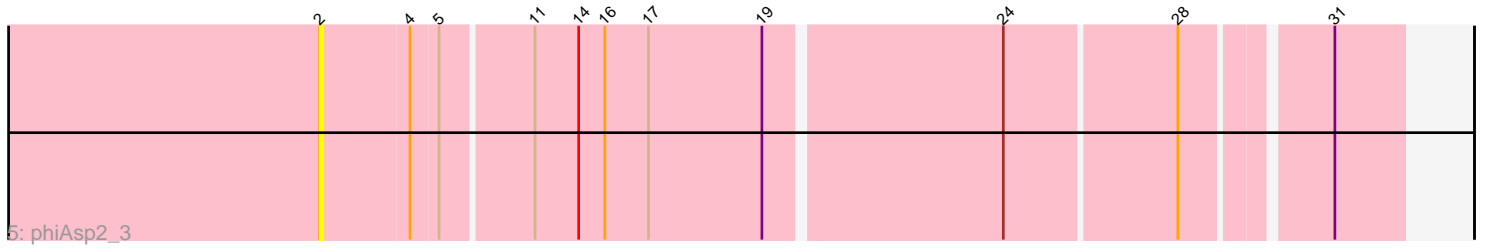
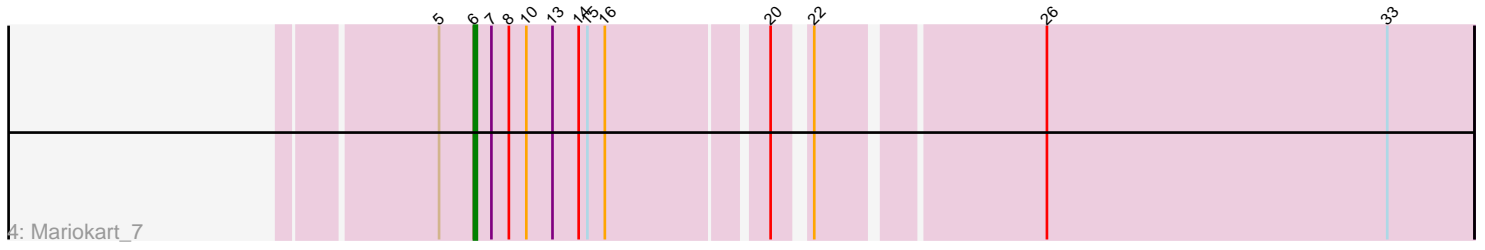
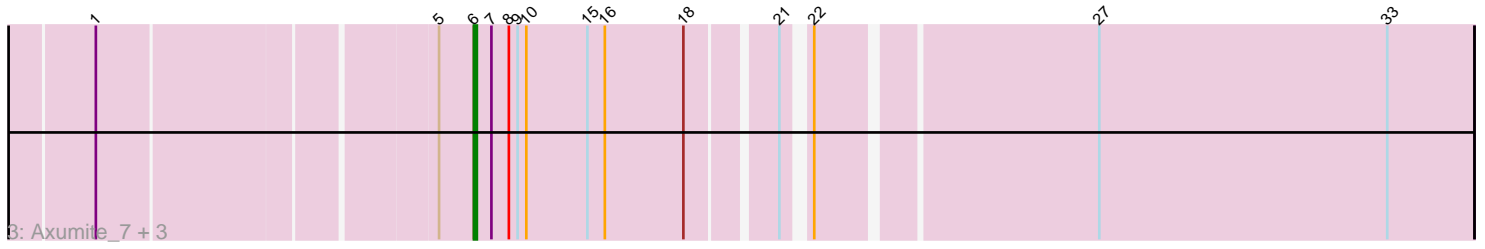
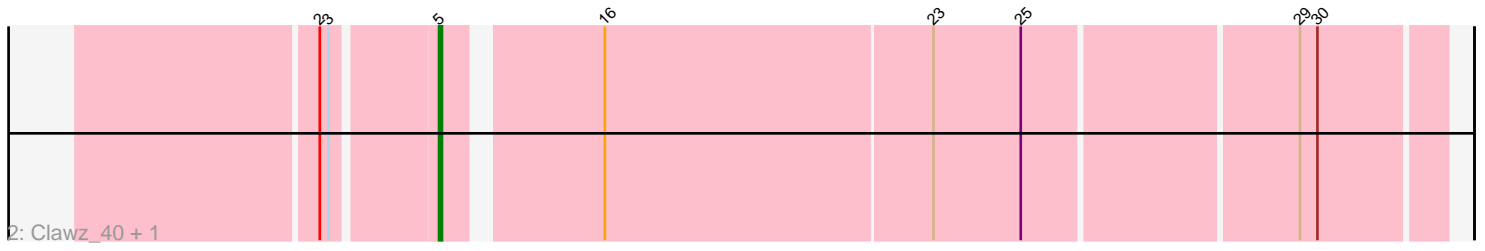
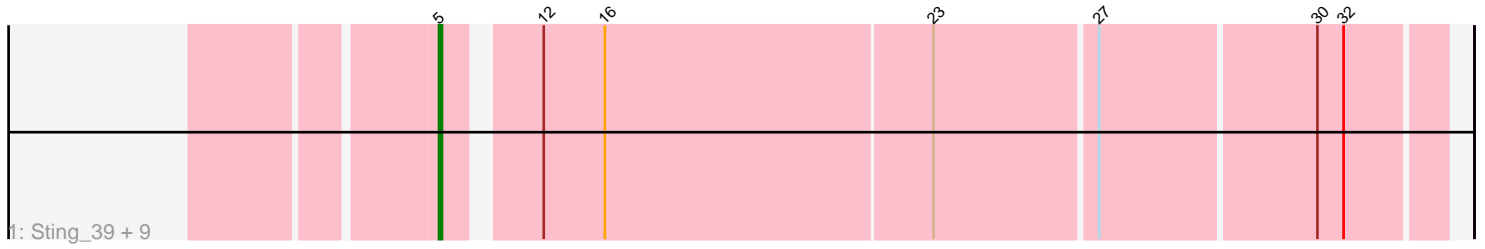


Pham 295123



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 295123 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295123 has 19 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Sting_39, Jollymon_40, Purplicious_38, KingstonB_40, Amo99_41, ColdSoup_41, Stillion_40, DonTron_40, Soos_36, Grumio_40
- Track 2 : Clawz_40, Makar_41
- Track 3 : Axumite_7, Ligma_7, Fresco_7, Shatter_7
- Track 4 : Mariokart_7
- Track 5 : phiAsp2_3
- Track 6 : Tonitrus_25

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amo99_41, Clawz_40, ColdSoup_41, DonTron_40, Grumio_40, Jollymon_40, KingstonB_40, Makar_41, Purplicious_38, Soos_36, Stillion_40, Sting_39, Tonitrus_25,

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

- Axumite_7, Fresco_7, Ligma_7, Mariokart_7, Shatter_7, phiAsp2_3,

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

-

Summary by start number:

Start 2:

- Found in 3 of 19 (15.8%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: phiAsp2_3 (singleton),

Start 5:

- Found in 19 of 19 (100.0%) of genes in pham

- Manual Annotations of this start: 6 of 11
- Called 68.4% of time when present
- Phage (with cluster) where this start called: Amo99_41 (CP), Clawz_40 (CP), ColdSoup_41 (CP), DonTron_40 (CP), Grumio_40 (CP), Jollymon_40 (CP), KingstonB_40 (CP), Makar_41 (CP), Purplicious_38 (CP), Soos_36 (CP), Stillion_40 (CP), Sting_39 (CP), Tonitrus_25 (singleton),

Start 6:

- Found in 5 of 19 (26.3%) of genes in pham
- Manual Annotations of this start: 5 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Axumite_7 (DR), Fresco_7 (DR), Ligma_7 (DR), Mariokart_7 (DR), Shatter_7 (DR),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, CP, DR,

Info for manual annotations of cluster CP:

- Start number 5 was manually annotated 5 times for cluster CP.

Info for manual annotations of cluster DR:

- Start number 6 was manually annotated 5 times for cluster DR.

Gene Information:

Gene: Amo99_41 Start: 17853, Stop: 18179, Start Num: 5

Candidate Starts for Amo99_41:

(Start: 5 @17853 has 6 MA's), (12, 17880), (16, 17901), (23, 18012), (27, 18066), (30, 18138), (32, 18147),

Gene: Axumite_7 Start: 4953, Stop: 5276, Start Num: 6

Candidate Starts for Axumite_7:

(1, 4833), (Start: 5 @4941 has 6 MA's), (Start: 6 @4953 has 5 MA's), (7, 4959), (8, 4965), (9, 4968), (10, 4971), (15, 4992), (16, 4998), (18, 5025), (21, 5052), (22, 5058), (27, 5148), (33, 5247),

Gene: Clawz_40 Start: 17751, Stop: 18077, Start Num: 5

Candidate Starts for Clawz_40:

(2, 17715), (3, 17718), (Start: 5 @17751 has 6 MA's), (16, 17799), (23, 17910), (25, 17940), (29, 18030), (30, 18036),

Gene: ColdSoup_41 Start: 17853, Stop: 18179, Start Num: 5

Candidate Starts for ColdSoup_41:

(Start: 5 @17853 has 6 MA's), (12, 17880), (16, 17901), (23, 18012), (27, 18066), (30, 18138), (32, 18147),

Gene: DonTron_40 Start: 17923, Stop: 18249, Start Num: 5

Candidate Starts for DonTron_40:

(Start: 5 @17923 has 6 MA's), (12, 17950), (16, 17971), (23, 18082), (27, 18136), (30, 18208), (32, 18217),

Gene: Fresco_7 Start: 4953, Stop: 5276, Start Num: 6

Candidate Starts for Fresco_7:

(1, 4833), (Start: 5 @4941 has 6 MA's), (Start: 6 @4953 has 5 MA's), (7, 4959), (8, 4965), (9, 4968), (10, 4971), (15, 4992), (16, 4998), (18, 5025), (21, 5052), (22, 5058), (27, 5148), (33, 5247),

Gene: Grumio_40 Start: 17361, Stop: 17687, Start Num: 5

Candidate Starts for Grumio_40:

(Start: 5 @17361 has 6 MA's), (12, 17388), (16, 17409), (23, 17520), (27, 17574), (30, 17646), (32, 17655),

Gene: Jollymon_40 Start: 17853, Stop: 18179, Start Num: 5

Candidate Starts for Jollymon_40:

(Start: 5 @17853 has 6 MA's), (12, 17880), (16, 17901), (23, 18012), (27, 18066), (30, 18138), (32, 18147),

Gene: KingstonB_40 Start: 17361, Stop: 17687, Start Num: 5

Candidate Starts for KingstonB_40:

(Start: 5 @17361 has 6 MA's), (12, 17388), (16, 17409), (23, 17520), (27, 17574), (30, 17646), (32, 17655),

Gene: Ligma_7 Start: 4953, Stop: 5276, Start Num: 6

Candidate Starts for Ligma_7:

(1, 4833), (Start: 5 @4941 has 6 MA's), (Start: 6 @4953 has 5 MA's), (7, 4959), (8, 4965), (9, 4968), (10, 4971), (15, 4992), (16, 4998), (18, 5025), (21, 5052), (22, 5058), (27, 5148), (33, 5247),

Gene: Makar_41 Start: 17820, Stop: 18146, Start Num: 5

Candidate Starts for Makar_41:

(2, 17784), (3, 17787), (Start: 5 @17820 has 6 MA's), (16, 17868), (23, 17979), (25, 18009), (29, 18099), (30, 18105),

Gene: Mariokart_7 Start: 4960, Stop: 5283, Start Num: 6

Candidate Starts for Mariokart_7:

(Start: 5 @4948 has 6 MA's), (Start: 6 @4960 has 5 MA's), (7, 4966), (8, 4972), (10, 4978), (13, 4987), (14, 4996), (15, 4999), (16, 5005), (20, 5056), (22, 5065), (26, 5137), (33, 5254),

Gene: Purplicious_38 Start: 17102, Stop: 17428, Start Num: 5

Candidate Starts for Purplicious_38:

(Start: 5 @17102 has 6 MA's), (12, 17129), (16, 17150), (23, 17261), (27, 17315), (30, 17387), (32, 17396),

Gene: Shatter_7 Start: 4953, Stop: 5276, Start Num: 6

Candidate Starts for Shatter_7:

(1, 4833), (Start: 5 @4941 has 6 MA's), (Start: 6 @4953 has 5 MA's), (7, 4959), (8, 4965), (9, 4968), (10, 4971), (15, 4992), (16, 4998), (18, 5025), (21, 5052), (22, 5058), (27, 5148), (33, 5247),

Gene: Soos_36 Start: 17090, Stop: 17416, Start Num: 5

Candidate Starts for Soos_36:

(Start: 5 @17090 has 6 MA's), (12, 17117), (16, 17138), (23, 17249), (27, 17303), (30, 17375), (32, 17384),

Gene: Stillion_40 Start: 17675, Stop: 18001, Start Num: 5

Candidate Starts for Stillion_40:

(Start: 5 @17675 has 6 MA's), (12, 17702), (16, 17723), (23, 17834), (27, 17888), (30, 17960), (32, 17969),

Gene: Sting_39 Start: 17529, Stop: 17855, Start Num: 5

Candidate Starts for Sting_39:

(Start: 5 @17529 has 6 MA's), (12, 17556), (16, 17577), (23, 17688), (27, 17742), (30, 17814), (32, 17823),

Gene: Tonitrus_25 Start: 14059, Stop: 14370, Start Num: 5

Candidate Starts for Tonitrus_25:

(Start: 5 @14059 has 6 MA's), (20, 14158),

Gene: phiAsp2_3 Start: 663, Stop: 1013, Start Num: 2

Candidate Starts for phiAsp2_3:

(2, 663), (4, 693), (Start: 5 @702 has 6 MA's), (11, 732), (14, 747), (16, 756), (17, 771), (19, 810), (24, 888), (28, 945), (31, 990),