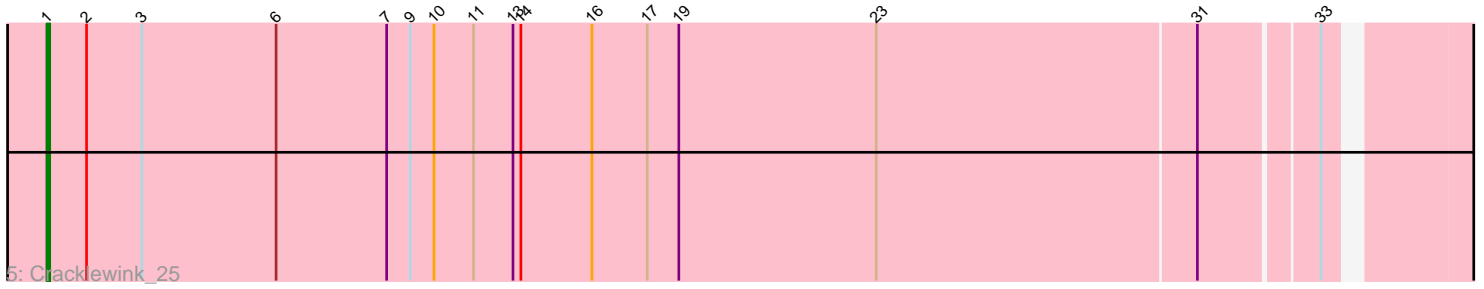
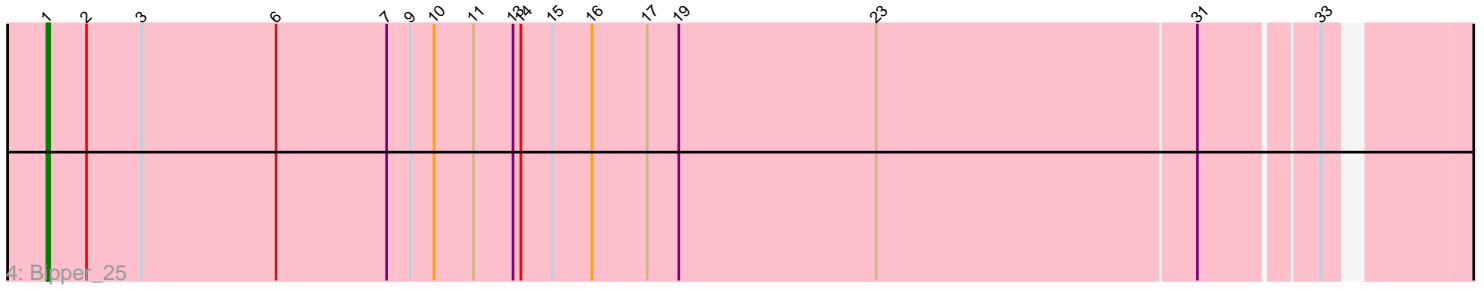
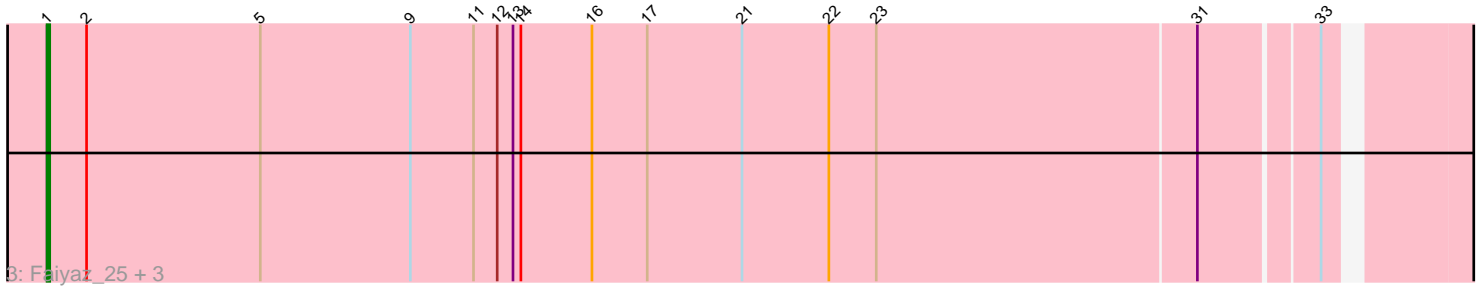
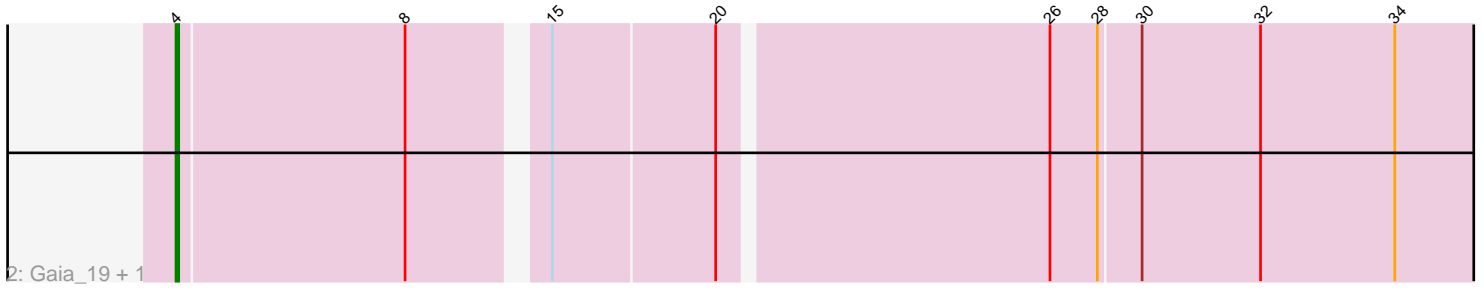
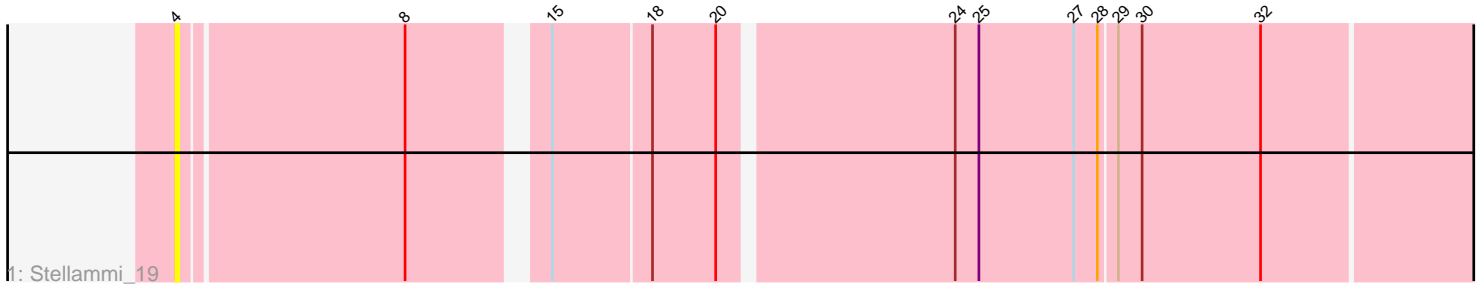


Pham 295357



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 295357 Report

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

Pham number 295357 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Stellammi_19
- Track 2 : Gaia_19, Nebkiss_20
- Track 3 : Faiyaz_25, AuntGwenStacy_25, Typha_25, Hilltopfarm_25
- Track 4 : Bipper_25
- Track 5 : Cracklewink_25

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AuntGwenStacy_25, Bipper_25, Cracklewink_25, Faiyaz_25, Hilltopfarm_25, Typha_25,

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

-

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

- Gaia_19, Nebkiss_20, Stellammi_19,

Summary by start number:

Start 1:

- Found in 6 of 9 (66.7%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_25 (Y), Bipper_25 (Y), Cracklewink_25 (Y), Faiyaz_25 (Y), Hilltopfarm_25 (Y), Typha_25 (Y),

Start 4:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Gaia_19 (X), Nebkiss_20 (X), Stellammi_19 (UNK),

Summary by clusters:

There are 3 clusters represented in this pham: Y, X, UNK,

Info for manual annotations of cluster X:

- Start number 4 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 1 was manually annotated 5 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_25 Start: 21443, Stop: 21985, Start Num: 1

Candidate Starts for AuntGwenStacy_25:

(Start: 1 @21443 has 5 MA's), (2, 21458), (5, 21524), (9, 21581), (11, 21605), (12, 21614), (13, 21620), (14, 21623), (16, 21650), (17, 21671), (21, 21707), (22, 21740), (23, 21758), (31, 21878), (33, 21920),

Gene: Bipper_25 Start: 21590, Stop: 22132, Start Num: 1

Candidate Starts for Bipper_25:

(Start: 1 @21590 has 5 MA's), (2, 21605), (3, 21626), (6, 21677), (7, 21719), (9, 21728), (10, 21737), (11, 21752), (13, 21767), (14, 21770), (15, 21782), (16, 21797), (17, 21818), (19, 21830), (23, 21905), (31, 22025), (33, 22067),

Gene: Cracklewink_25 Start: 21590, Stop: 22132, Start Num: 1

Candidate Starts for Cracklewink_25:

(Start: 1 @21590 has 5 MA's), (2, 21605), (3, 21626), (6, 21677), (7, 21719), (9, 21728), (10, 21737), (11, 21752), (13, 21767), (14, 21770), (16, 21797), (17, 21818), (19, 21830), (23, 21905), (31, 22025), (33, 22067),

Gene: Faiyaz_25 Start: 21443, Stop: 21985, Start Num: 1

Candidate Starts for Faiyaz_25:

(Start: 1 @21443 has 5 MA's), (2, 21458), (5, 21524), (9, 21581), (11, 21605), (12, 21614), (13, 21620), (14, 21623), (16, 21650), (17, 21671), (21, 21707), (22, 21740), (23, 21758), (31, 21878), (33, 21920),

Gene: Gaia_19 Start: 17700, Stop: 18209, Start Num: 4

Candidate Starts for Gaia_19:

(Start: 4 @17700 has 2 MA's), (8, 17784), (15, 17829), (20, 17889), (26, 18009), (28, 18027), (30, 18042), (32, 18087), (34, 18138),

Gene: Hilltopfarm_25 Start: 21473, Stop: 22015, Start Num: 1

Candidate Starts for Hilltopfarm_25:

(Start: 1 @21473 has 5 MA's), (2, 21488), (5, 21554), (9, 21611), (11, 21635), (12, 21644), (13, 21650), (14, 21653), (16, 21680), (17, 21701), (21, 21737), (22, 21770), (23, 21788), (31, 21908), (33, 21950),

Gene: Nebkiss_20 Start: 17701, Stop: 18210, Start Num: 4

Candidate Starts for Nebkiss_20:

(Start: 4 @17701 has 2 MA's), (8, 17785), (15, 17830), (20, 17890), (26, 18010), (28, 18028), (30, 18043), (32, 18088), (34, 18139),

Gene: Stellammi_19 Start: 16866, Stop: 17369, Start Num: 4

Candidate Starts for Stellammi_19:

(Start: 4 @16866 has 2 MA's), (8, 16947), (15, 16992), (18, 17028), (20, 17052), (24, 17136), (25, 17145), (27, 17181), (28, 17190), (29, 17196), (30, 17205), (32, 17250),

Gene: Typha_25 Start: 21443, Stop: 21985, Start Num: 1

Candidate Starts for Typha_25:

(Start: 1 @21443 has 5 MA's), (2, 21458), (5, 21524), (9, 21581), (11, 21605), (12, 21614), (13, 21620), (14, 21623), (16, 21650), (17, 21671), (21, 21707), (22, 21740), (23, 21758), (31, 21878), (33, 21920),