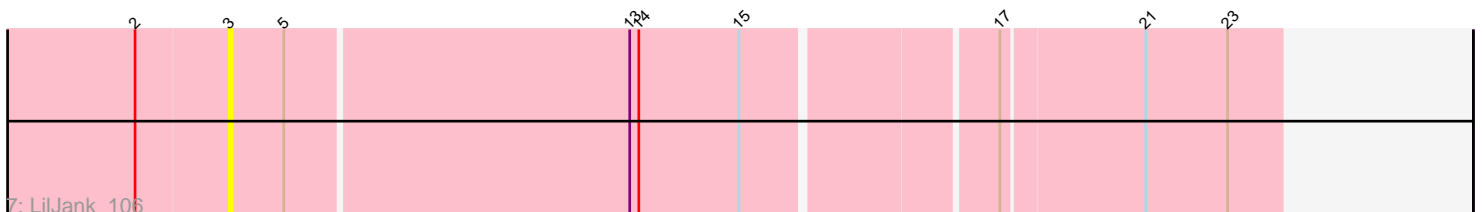
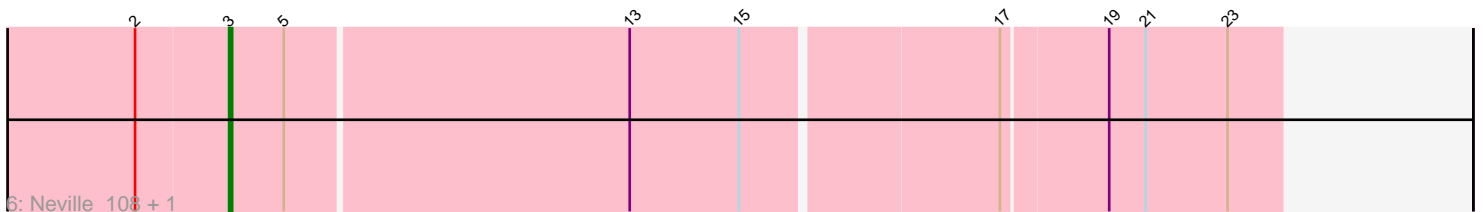
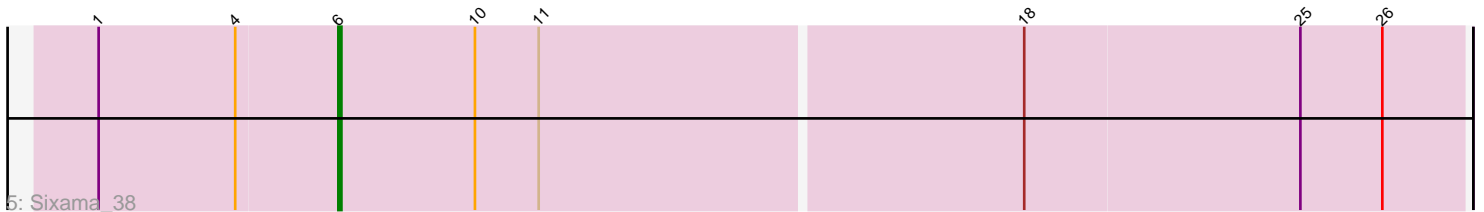
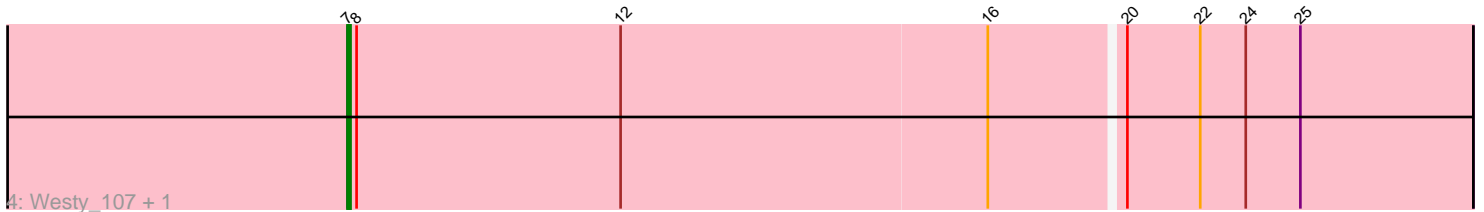
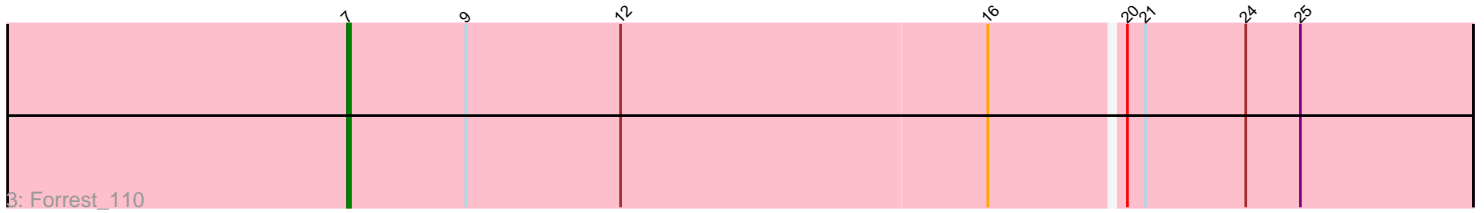
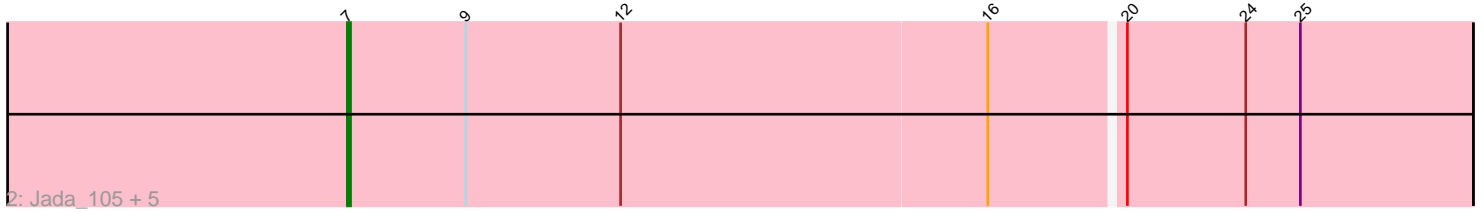
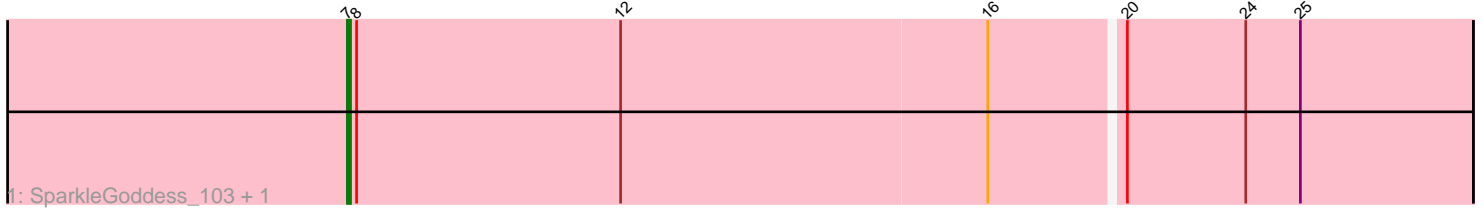


Pham 305394



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 305394 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305394 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : SparkleGoddess_103, Stigma_102
- Track 2 : Jada_105, DeluluLabubu_104, Emma1919_106, Gilson_105, MeganTheeKilla_103, Maupel_105
- Track 3 : Forrest_110
- Track 4 : Westy_107, Belfort_105
- Track 5 : Sixama_38
- Track 6 : Neville_108, Trax_110
- Track 7 : LilJank_106

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

The start number called the most often in the published annotations is 7, it was called in 10 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_105, DeluluLabubu_104, Emma1919_106, Forrest_110, Gilson_105, Jada_105, Maupel_105, MeganTheeKilla_103, SparkleGoddess_103, Stigma_102, Westy_107,

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

-

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

- LilJank_106, Neville_108, Sixama_38, Trax_110,

Summary by start number:

Start 3:

- Found in 3 of 15 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilJank_106 (DU2), Neville_108 (DU2), Trax_110 (DU2),

Start 6:

- Found in 1 of 15 (6.7%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sixama_38 (DS),

Start 7:

- Found in 11 of 15 (73.3%) of genes in pham
- Manual Annotations of this start: 10 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort_105 (BK1), DeluluLabubu_104 (BK1), Emma1919_106 (BK1), Forrest_110 (BK1), Gilson_105 (BK1), Jada_105 (BK1), Maupel_105 (BK1), MeganTheeKilla_103 (BK1), SparkleGoddess_103 (BK1), Stigma_102 (BK1), Westy_107 (BK1),

Summary by clusters:

There are 3 clusters represented in this pham: DU2, BK1, DS,

Info for manual annotations of cluster BK1:

- Start number 7 was manually annotated 10 times for cluster BK1.

Info for manual annotations of cluster DS:

- Start number 6 was manually annotated 1 time for cluster DS.

Info for manual annotations of cluster DU2:

- Start number 3 was manually annotated 2 times for cluster DU2.

Gene Information:

Gene: Belfort_105 Start: 69661, Stop: 70026, Start Num: 7

Candidate Starts for Belfort_105:

(Start: 7 @69661 has 10 MA's), (8, 69664), (12, 69751), (16, 69871), (20, 69913), (22, 69937), (24, 69952), (25, 69970),

Gene: DeluluLabubu_104 Start: 67810, Stop: 68175, Start Num: 7

Candidate Starts for DeluluLabubu_104:

(Start: 7 @67810 has 10 MA's), (9, 67849), (12, 67900), (16, 68020), (20, 68062), (24, 68101), (25, 68119),

Gene: Emma1919_106 Start: 68431, Stop: 68796, Start Num: 7

Candidate Starts for Emma1919_106:

(Start: 7 @68431 has 10 MA's), (9, 68470), (12, 68521), (16, 68641), (20, 68683), (24, 68722), (25, 68740),

Gene: Forrest_110 Start: 70740, Stop: 71105, Start Num: 7

Candidate Starts for Forrest_110:

(Start: 7 @70740 has 10 MA's), (9, 70779), (12, 70830), (16, 70950), (20, 70992), (21, 70998), (24, 71031), (25, 71049),

Gene: Gilson_105 Start: 68393, Stop: 68758, Start Num: 7

Candidate Starts for Gilson_105:

(Start: 7 @68393 has 10 MA's), (9, 68432), (12, 68483), (16, 68603), (20, 68645), (24, 68684), (25, 68702),

Gene: Jada_105 Start: 68906, Stop: 69271, Start Num: 7

Candidate Starts for Jada_105:

(Start: 7 @68906 has 10 MA's), (9, 68945), (12, 68996), (16, 69116), (20, 69158), (24, 69197), (25, 69215),

Gene: LilJank_106 Start: 63800, Stop: 64132, Start Num: 3

Candidate Starts for LilJank_106:

(2, 63770), (Start: 3 @63800 has 2 MA's), (5, 63818), (13, 63929), (14, 63932), (15, 63965), (17, 64043), (21, 64088), (23, 64115),

Gene: Maupel_105 Start: 68393, Stop: 68758, Start Num: 7

Candidate Starts for Maupel_105:

(Start: 7 @68393 has 10 MA's), (9, 68432), (12, 68483), (16, 68603), (20, 68645), (24, 68684), (25, 68702),

Gene: MeganTheeKilla_103 Start: 67750, Stop: 68115, Start Num: 7

Candidate Starts for MeganTheeKilla_103:

(Start: 7 @67750 has 10 MA's), (9, 67789), (12, 67840), (16, 67960), (20, 68002), (24, 68041), (25, 68059),

Gene: Neville_108 Start: 62420, Stop: 62755, Start Num: 3

Candidate Starts for Neville_108:

(2, 62390), (Start: 3 @62420 has 2 MA's), (5, 62438), (13, 62549), (15, 62585), (17, 62666), (19, 62699), (21, 62711), (23, 62738),

Gene: Sixama_38 Start: 12651, Stop: 12286, Start Num: 6

Candidate Starts for Sixama_38:

(1, 12729), (4, 12684), (Start: 6 @12651 has 1 MA's), (10, 12606), (11, 12585), (18, 12429), (25, 12339), (26, 12312),

Gene: SparkleGoddess_103 Start: 69278, Stop: 69643, Start Num: 7

Candidate Starts for SparkleGoddess_103:

(Start: 7 @69278 has 10 MA's), (8, 69281), (12, 69368), (16, 69488), (20, 69530), (24, 69569), (25, 69587),

Gene: Stigma_102 Start: 69286, Stop: 69651, Start Num: 7

Candidate Starts for Stigma_102:

(Start: 7 @69286 has 10 MA's), (8, 69289), (12, 69376), (16, 69496), (20, 69538), (24, 69577), (25, 69595),

Gene: Trax_110 Start: 63415, Stop: 63750, Start Num: 3

Candidate Starts for Trax_110:

(2, 63385), (Start: 3 @63415 has 2 MA's), (5, 63433), (13, 63544), (15, 63580), (17, 63661), (19, 63694), (21, 63706), (23, 63733),

Gene: Westy_107 Start: 70313, Stop: 70678, Start Num: 7

Candidate Starts for Westy_107:

(Start: 7 @70313 has 10 MA's), (8, 70316), (12, 70403), (16, 70523), (20, 70565), (22, 70589), (24, 70604), (25, 70622),

