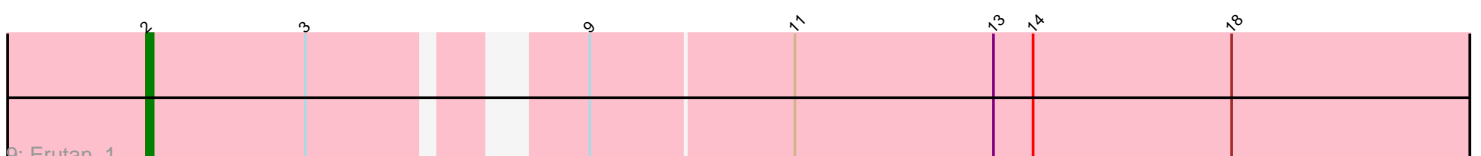
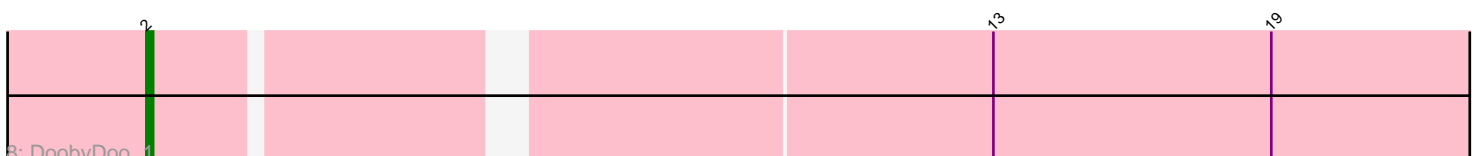
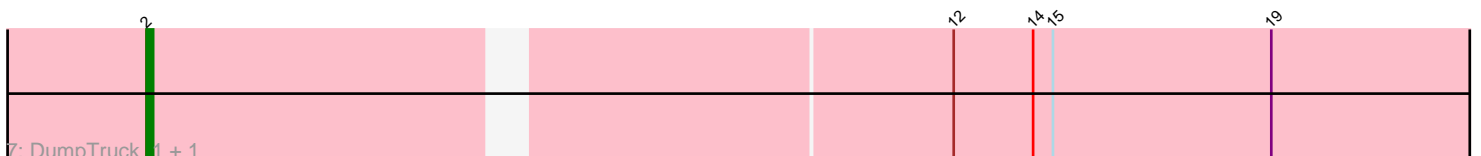
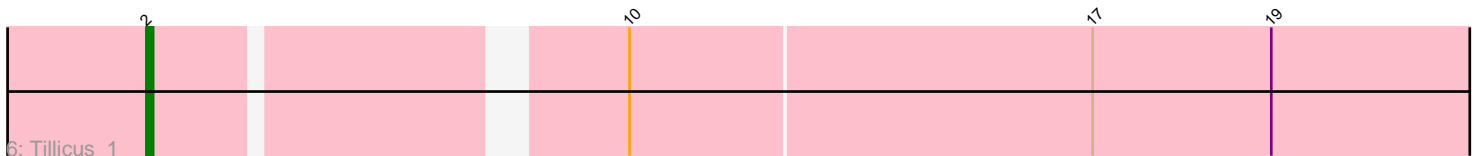
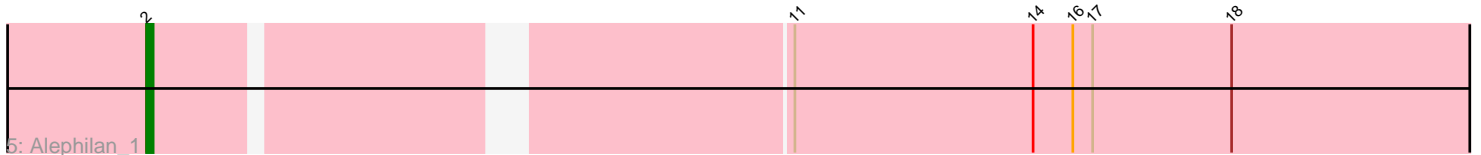
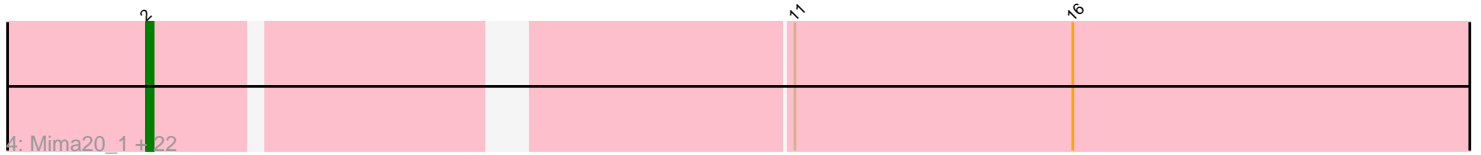
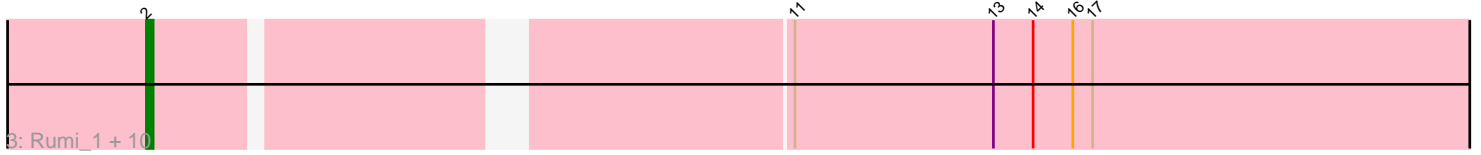
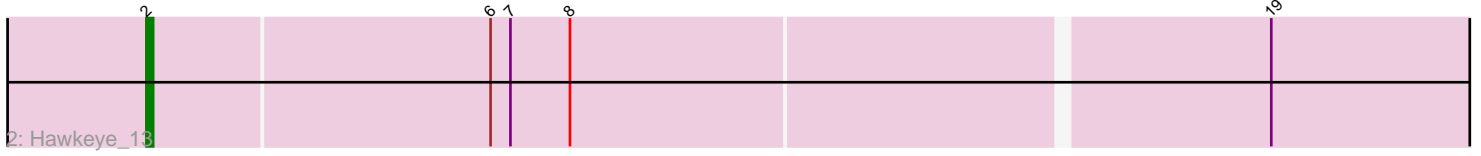
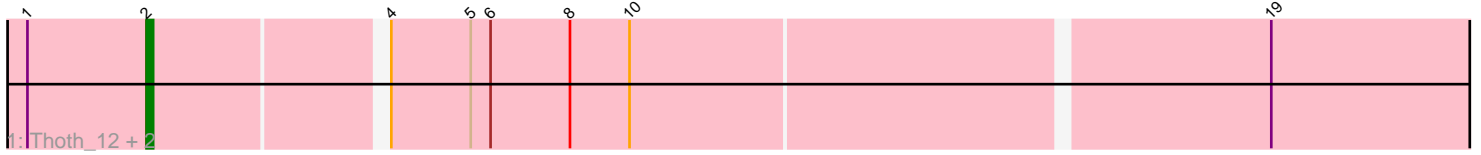


Pham 308810



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 308810 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308810 has 45 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Thoth_12, Prager_12, SuperheroCarly_12
- Track 2 : Hawkeye_13
- Track 3 : Rumi_1, Stormer_1, Astralis_1, Riduram_1, Genamy16_1, Alyssamiracle_1, NovaSharks_1, Charminar_1, RazorC_1, Avian_1, Jamemuya19_1
- Track 4 : Mima20_1, Zany_1, Pywacket_1, Ranch_1, DaviePasture_1, MoiGyank_1, BirthdayBoy_1, GOATification_1, Rukungu_1, Yikes_1, Lambo_1, NorManre_1, LavAbarElk_1, Fulcrum_1, OtterstedtS21_1, Lila22_1, Sadboi_1, ParvusTarda_1, Sampudon_1, GretelLyn_1, Patos_1, Wojtek_1, Rota_1
- Track 5 : Alephilan_1
- Track 6 : Tillicus_1
- Track 7 : DumpTruck_1, Xenia2_1
- Track 8 : DoobyDoo_1
- Track 9 : Erutan_1
- Track 10 : Gibbin_1

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

The start number called the most often in the published annotations is 2, it was called in 40 of the 40 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alephilan_1, Alyssamiracle_1, Astralis_1, Avian_1, BirthdayBoy_1, Charminar_1, DaviePasture_1, DoobyDoo_1, DumpTruck_1, Erutan_1, Fulcrum_1, GOATification_1, Genamy16_1, Gibbin_1, GretelLyn_1, Hawkeye_13, Jamemuya19_1, Lambo_1, LavAbarElk_1, Lila22_1, Mima20_1, MoiGyank_1, NorManre_1, NovaSharks_1, OtterstedtS21_1, ParvusTarda_1, Patos_1, Prager_12, Pywacket_1, Ranch_1, RazorC_1, Riduram_1, Rota_1, Rukungu_1, Rumi_1, Sadboi_1, Sampudon_1, Stormer_1, SuperheroCarly_12, Thoth_12, Tillicus_1, Wojtek_1, Xenia2_1, Yikes_1, Zany_1,

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

-

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

-

Summary by start number:

Start 2:

- Found in 45 of 45 (100.0%) of genes in pham
- Manual Annotations of this start: 40 of 40
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alephilan_1 (DV), Alyssamiracle_1 (DV), Astralis_1 (DV), Avian_1 (DV), BirthdayBoy_1 (DV), Charminar_1 (DV), DaviePasture_1 (DV), DoobyDoo_1 (DV), DumpTruck_1 (DV), Erutan_1 (DV), Fulcram_1 (DV), GOATification_1 (DV), Genamy16_1 (DV), Gibbin_1 (DV), GretelLyn_1 (DV), Hawkeye_13 (D2), Jamemuya19_1 (DV), Lambo_1 (DV), LavAbarElk_1 (DV), Lila22_1 (DV), Mima20_1 (DV), MoiGyank_1 (DV), NorManre_1 (DV), NovaSharks_1 (DV), OtterstedtS21_1 (DV), ParvusTarda_1 (DV), Patos_1 (DV), Prager_12 (D1), Pywacket_1 (DV), Ranch_1 (DV), RazorC_1 (DV), Riduram_1 (DV), Rota_1 (DV), Rukungu_1 (DV), Rumi_1 (DV), Sadboi_1 (DV), Sampudon_1 (DV), Stormer_1 (DV), SuperheroCarly_12 (D1), Thoth_12 (D1), Tillicus_1 (DV), Wojtek_1 (DV), Xenia2_1 (DV), Yikes_1 (DV), Zany_1 (DV),

Summary by clusters:

There are 3 clusters represented in this pham: DV, D2, D1,

Info for manual annotations of cluster D1:

- Start number 2 was manually annotated 3 times for cluster D1.

Info for manual annotations of cluster D2:

- Start number 2 was manually annotated 1 time for cluster D2.

Info for manual annotations of cluster DV:

- Start number 2 was manually annotated 36 times for cluster DV.

Gene Information:

Gene: Alephilan_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Alephilan_1:

(Start: 2 @1 has 40 MA's), (11, 88), (14, 124), (16, 130), (17, 133), (18, 154),

Gene: Alyssamiracle_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Alyssamiracle_1:

(Start: 2 @1 has 40 MA's), (11, 88), (13, 118), (14, 124), (16, 130), (17, 133),

Gene: Astralis_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Astralis_1:

(Start: 2 @1 has 40 MA's), (11, 88), (13, 118), (14, 124), (16, 130), (17, 133),

Gene: Avian_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Avian_1:

(Start: 2 @1 has 40 MA's), (11, 88), (13, 118), (14, 124), (16, 130), (17, 133),

Gene: BirthdayBoy_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for BirthdayBoy_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Charminar_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Charminar_1:
(Start: 2 @1 has 40 MA's), (11, 88), (13, 118), (14, 124), (16, 130), (17, 133),

Gene: DaviePasture_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for DaviePasture_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: DoobyDoo_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for DoobyDoo_1:
(Start: 2 @1 has 40 MA's), (13, 118), (19, 160),

Gene: DumpTruck_1 Start: 1, Stop: 207, Start Num: 2
Candidate Starts for DumpTruck_1:
(Start: 2 @1 has 40 MA's), (12, 115), (14, 127), (15, 130), (19, 163),

Gene: Erutan_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Erutan_1:
(Start: 2 @1 has 40 MA's), (3, 25), (9, 58), (11, 88), (13, 118), (14, 124), (18, 154),

Gene: Fulcrum_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Fulcrum_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: GOATification_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for GOATification_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Genamy16_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Genamy16_1:
(Start: 2 @1 has 40 MA's), (11, 88), (13, 118), (14, 124), (16, 130), (17, 133),

Gene: Gibbin_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Gibbin_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130), (18, 154),

Gene: Gretellyn_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Gretellyn_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Hawkeye_13 Start: 8394, Stop: 8597, Start Num: 2
Candidate Starts for Hawkeye_13:
(Start: 2 @8394 has 40 MA's), (6, 8445), (7, 8448), (8, 8457), (19, 8559),

Gene: Jamemuya19_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Jamemuya19_1:
(Start: 2 @1 has 40 MA's), (11, 88), (13, 118), (14, 124), (16, 130), (17, 133),

Gene: Lambo_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Lambo_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: LavAbarElk_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for LavAbarElk_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Lila22_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Lila22_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Mima20_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Mima20_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: MoiGyank_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for MoiGyank_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: NorManre_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for NorManre_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: NovaSharks_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for NovaSharks_1:
(Start: 2 @1 has 40 MA's), (11, 88), (13, 118), (14, 124), (16, 130), (17, 133),

Gene: OtterstedtS21_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for OtterstedtS21_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: ParvusTarda_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for ParvusTarda_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Patos_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Patos_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Prager_12 Start: 8579, Stop: 8803, Start Num: 2
Candidate Starts for Prager_12:
(1, 8561), (Start: 2 @8579 has 40 MA's), (4, 8612), (5, 8624), (6, 8627), (8, 8639), (10, 8648), (19, 8741),

Gene: Pywacket_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Pywacket_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Ranch_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Ranch_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: RazorC_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for RazorC_1:

(Start: 2 @1 has 40 MA's), (11, 88), (13, 118), (14, 124), (16, 130), (17, 133),

Gene: Riduram_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Riduram_1:

(Start: 2 @1 has 40 MA's), (11, 88), (13, 118), (14, 124), (16, 130), (17, 133),

Gene: Rota_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Rota_1:

(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Rukungu_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Rukungu_1:

(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Rumi_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Rumi_1:

(Start: 2 @1 has 40 MA's), (11, 88), (13, 118), (14, 124), (16, 130), (17, 133),

Gene: Sadboi_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Sadboi_1:

(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Sampudon_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Sampudon_1:

(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Stormer_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Stormer_1:

(Start: 2 @1 has 40 MA's), (11, 88), (13, 118), (14, 124), (16, 130), (17, 133),

Gene: SuperheroCarly_12 Start: 8432, Stop: 8656, Start Num: 2

Candidate Starts for SuperheroCarly_12:

(1, 8414), (Start: 2 @8432 has 40 MA's), (4, 8465), (5, 8477), (6, 8480), (8, 8492), (10, 8501), (19, 8594),

Gene: Thoth_12 Start: 8567, Stop: 8791, Start Num: 2

Candidate Starts for Thoth_12:

(1, 8549), (Start: 2 @8567 has 40 MA's), (4, 8600), (5, 8612), (6, 8615), (8, 8627), (10, 8636), (19, 8729),

Gene: Tillicus_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Tillicus_1:

(Start: 2 @1 has 40 MA's), (10, 64), (17, 133), (19, 160),

Gene: Wojtek_1 Start: 1, Stop: 204, Start Num: 2

Candidate Starts for Wojtek_1:

(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Xenia2_1 Start: 1, Stop: 207, Start Num: 2

Candidate Starts for Xenia2_1:

(Start: 2 @1 has 40 MA's), (12, 115), (14, 127), (15, 130), (19, 163),

Gene: Yikes_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Yikes_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),

Gene: Zany_1 Start: 1, Stop: 204, Start Num: 2
Candidate Starts for Zany_1:
(Start: 2 @1 has 40 MA's), (11, 88), (16, 130),