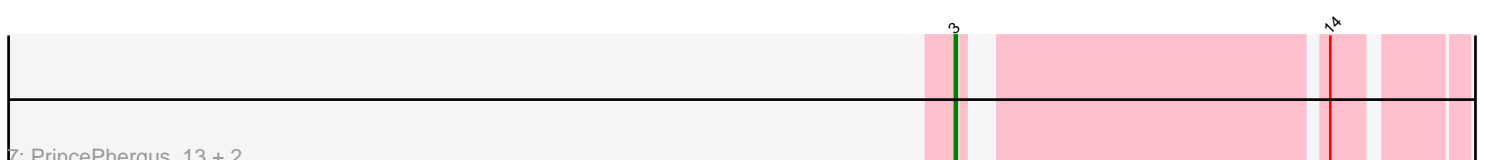
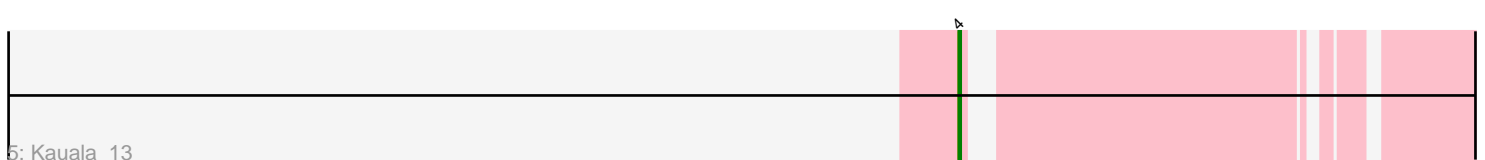
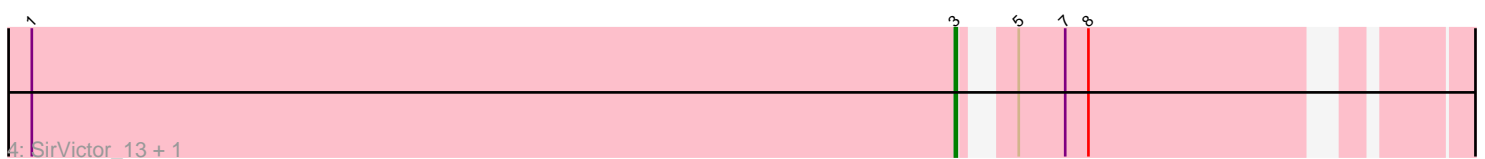
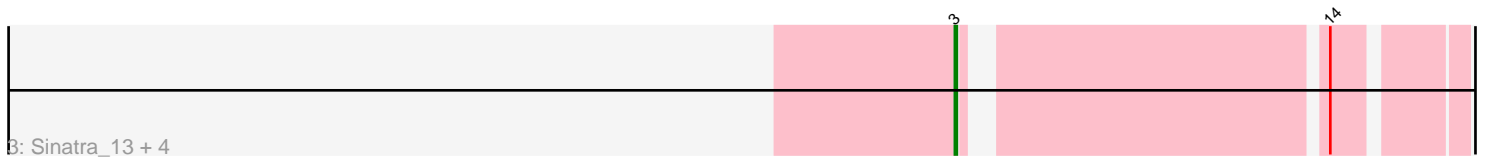
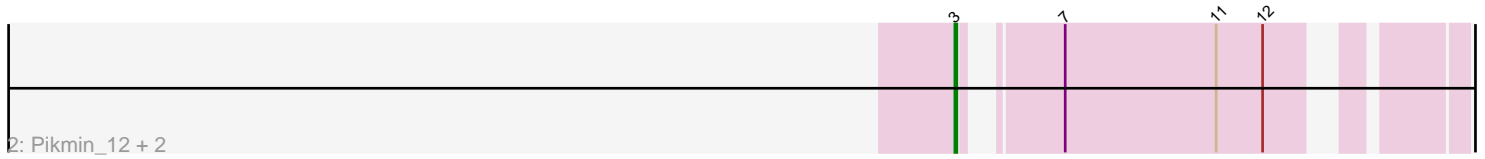
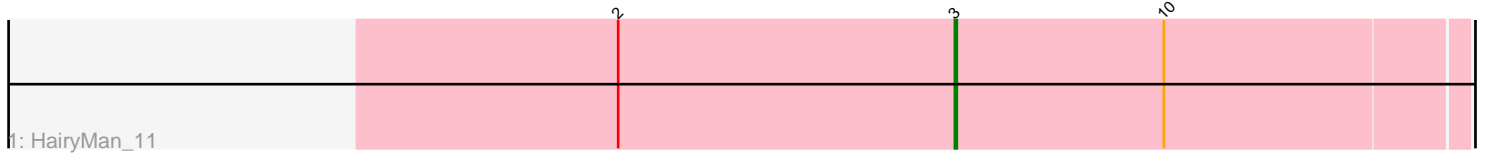


Pham 295077



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 295077 Report

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

Pham number 295077 has 22 members, 2 are drafts.

Phages represented in each track:

- Track 1 : HairyMan_11
- Track 2 : Pikmin_12, Casey_12, Pajaza_12
- Track 3 : Sinatra_13, Bustleton_13, Jingles_13, BouleyBill_13, Pherbot_13
- Track 4 : SirVictor_13, Guetzie_13
- Track 5 : Kauala_13
- Track 6 : Golden_13, Lucky3_13
- Track 7 : PrincePhergus_13, Koji_13, RenegadeRaider_13
- Track 8 : Theresita_13
- Track 9 : Schubert_13
- Track 10 : Cheeto1_14, GaeCeo_14, ChickenKing_13

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

The start number called the most often in the published annotations is 3, it was called in 19 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BouleyBill_13, Bustleton_13, Casey_12, Cheeto1_14, ChickenKing_13, GaeCeo_14, Golden_13, Guetzie_13, HairyMan_11, Jingles_13, Koji_13, Lucky3_13, Pajaza_12, Pherbot_13, Pikmin_12, PrincePhergus_13, RenegadeRaider_13, Schubert_13, Sinatra_13, SirVictor_13, Theresita_13,

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

-

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

- Kauala_13,

Summary by start number:

Start 3:

- Found in 21 of 22 (95.5%) of genes in pham
- Manual Annotations of this start: 19 of 20
- Called 100.0% of time when present

- Phage (with cluster) where this start called: BouleyBill_13 (EA4), Bustleton_13 (EA4), Casey_12 (EA3), Cheeto1_14 (EA9), ChickenKing_13 (EA9), GaeCeo_14 (EA9), Golden_13 (EA4), Guetzie_13 (EA4), HairyMan_11 (EA10), Jingles_13 (EA4), Koji_13 (EA4), Lucky3_13 (EA4), Pajaza_12 (EA3), Pherbot_13 (EA4), Pikmin_12 (EA3), PrincePhergus_13 (EA4), RenegadeRaider_13 (EA4), Schubert_13 (EA8), Sinatra_13 (EA4), SirVictor_13 (EA4), Theresita_13 (EA7),

Start 4:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kauala_13 (EA4),

Summary by clusters:

There are 6 clusters represented in this pham: EA10, EA9, EA8, EA3, EA4, EA7,

Info for manual annotations of cluster EA10:

- Start number 3 was manually annotated 1 time for cluster EA10.

Info for manual annotations of cluster EA3:

- Start number 3 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:

- Start number 3 was manually annotated 10 times for cluster EA4.
- Start number 4 was manually annotated 1 time for cluster EA4.

Info for manual annotations of cluster EA7:

- Start number 3 was manually annotated 1 time for cluster EA7.

Info for manual annotations of cluster EA8:

- Start number 3 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:

- Start number 3 was manually annotated 3 times for cluster EA9.

Gene Information:

Gene: BouleyBill_13 Start: 7871, Stop: 8098, Start Num: 3

Candidate Starts for BouleyBill_13:

(Start: 3 @7871 has 19 MA's), (14, 8039),

Gene: Bustleton_13 Start: 7859, Stop: 8086, Start Num: 3

Candidate Starts for Bustleton_13:

(Start: 3 @7859 has 19 MA's), (14, 8027),

Gene: Casey_12 Start: 7906, Stop: 8121, Start Num: 3

Candidate Starts for Casey_12:

(Start: 3 @7906 has 19 MA's), (7, 7942), (11, 8020), (12, 8044),

Gene: Cheeto1_14 Start: 7774, Stop: 8001, Start Num: 3

Candidate Starts for Cheeto1_14:
(Start: 3 @7774 has 19 MA's), (7, 7813), (8, 7825), (9, 7852), (15, 7966),

Gene: ChickenKing_13 Start: 7594, Stop: 7821, Start Num: 3
Candidate Starts for ChickenKing_13:
(Start: 3 @7594 has 19 MA's), (7, 7633), (8, 7645), (9, 7672), (15, 7786),

Gene: GaeCeo_14 Start: 7764, Stop: 7991, Start Num: 3
Candidate Starts for GaeCeo_14:
(Start: 3 @7764 has 19 MA's), (7, 7803), (8, 7815), (9, 7842), (15, 7956),

Gene: Golden_13 Start: 7951, Stop: 8181, Start Num: 3
Candidate Starts for Golden_13:
(1, 7474), (Start: 3 @7951 has 19 MA's), (5, 7966), (8, 8002),

Gene: Guetzie_13 Start: 7945, Stop: 8175, Start Num: 3
Candidate Starts for Guetzie_13:
(1, 7468), (Start: 3 @7945 has 19 MA's), (5, 7960), (7, 7984), (8, 7996),

Gene: HairyMan_11 Start: 7390, Stop: 7650, Start Num: 3
Candidate Starts for HairyMan_11:
(2, 7216), (Start: 3 @7390 has 19 MA's), (10, 7498),

Gene: Jingles_13 Start: 7873, Stop: 8100, Start Num: 3
Candidate Starts for Jingles_13:
(Start: 3 @7873 has 19 MA's), (14, 8041),

Gene: Kauala_13 Start: 7869, Stop: 8105, Start Num: 4
Candidate Starts for Kauala_13:
(Start: 4 @7869 has 1 MA's),

Gene: Koji_13 Start: 7992, Stop: 8219, Start Num: 3
Candidate Starts for Koji_13:
(Start: 3 @7992 has 19 MA's), (14, 8160),

Gene: Lucky3_13 Start: 7951, Stop: 8181, Start Num: 3
Candidate Starts for Lucky3_13:
(1, 7474), (Start: 3 @7951 has 19 MA's), (5, 7966), (8, 8002),

Gene: Pajaza_12 Start: 7906, Stop: 8121, Start Num: 3
Candidate Starts for Pajaza_12:
(Start: 3 @7906 has 19 MA's), (7, 7942), (11, 8020), (12, 8044),

Gene: Pherbot_13 Start: 7858, Stop: 8085, Start Num: 3
Candidate Starts for Pherbot_13:
(Start: 3 @7858 has 19 MA's), (14, 8026),

Gene: Pikmin_12 Start: 7906, Stop: 8121, Start Num: 3
Candidate Starts for Pikmin_12:
(Start: 3 @7906 has 19 MA's), (7, 7942), (11, 8020), (12, 8044),

Gene: PrincePhergus_13 Start: 7862, Stop: 8089, Start Num: 3
Candidate Starts for PrincePhergus_13:

(Start: 3 @7862 has 19 MA's), (14, 8030),

Gene: RenegadeRaider_13 Start: 7861, Stop: 8088, Start Num: 3

Candidate Starts for RenegadeRaider_13:

(Start: 3 @7861 has 19 MA's), (14, 8029),

Gene: Schubert_13 Start: 8046, Stop: 8288, Start Num: 3

Candidate Starts for Schubert_13:

(Start: 3 @8046 has 19 MA's), (6, 8082), (10, 8154), (11, 8181),

Gene: Sinatra_13 Start: 7859, Stop: 8086, Start Num: 3

Candidate Starts for Sinatra_13:

(Start: 3 @7859 has 19 MA's), (14, 8027),

Gene: SirVictor_13 Start: 7945, Stop: 8175, Start Num: 3

Candidate Starts for SirVictor_13:

(1, 7468), (Start: 3 @7945 has 19 MA's), (5, 7960), (7, 7984), (8, 7996),

Gene: Theresita_13 Start: 7443, Stop: 7679, Start Num: 3

Candidate Starts for Theresita_13:

(Start: 3 @7443 has 19 MA's), (5, 7458), (6, 7461), (13, 7593), (14, 7611),