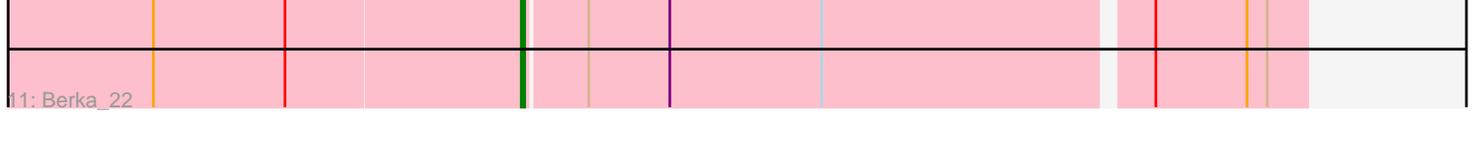
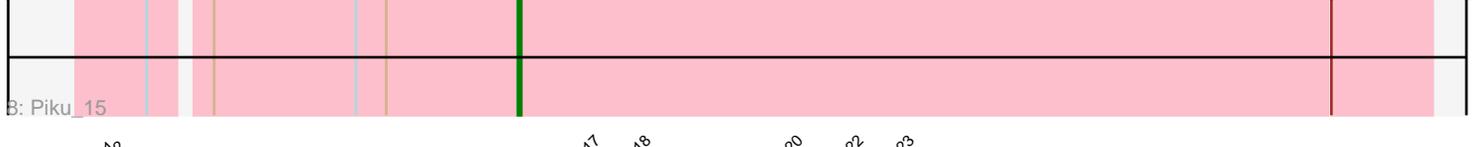
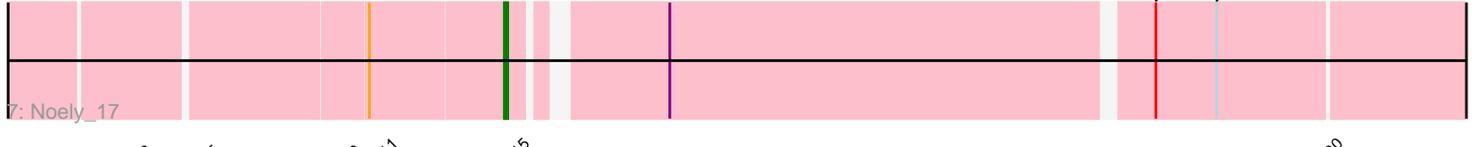
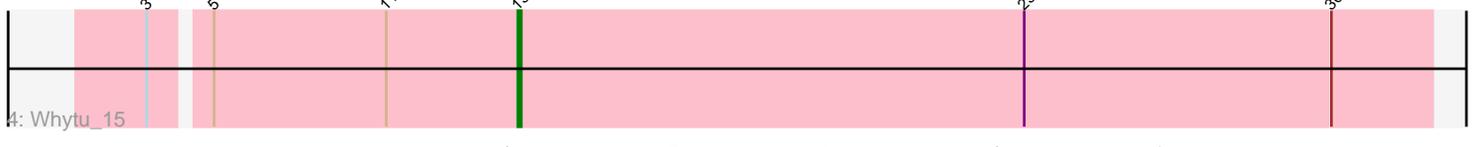
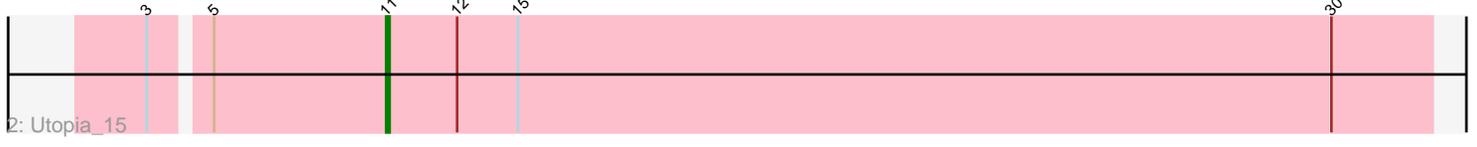
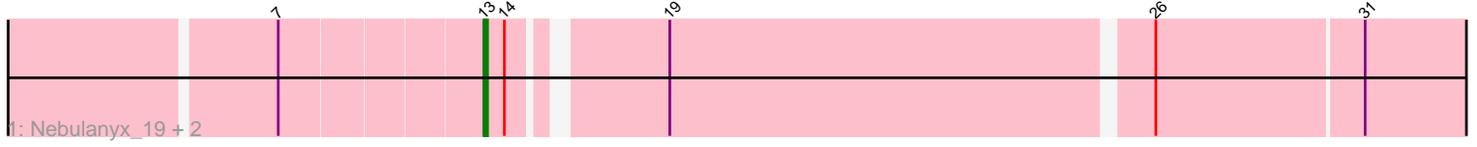


Pham 287165



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 287165 Report

This analysis was run 03/28/26 on database version 641.

Pham number 287165 has 15 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Nebulanyx_19, Corgi_19, CheeseDanish_19
- Track 2 : Utopia_15
- Track 3 : CabbageMan_17, Pauu_18, LauKoruNamu_18
- Track 4 : Whytu_15
- Track 5 : Idaho_17
- Track 6 : Yavru_15
- Track 7 : Noely_17
- Track 8 : Piku_15
- Track 9 : WorldChangers_18
- Track 10 : KNG13_19
- Track 11 : Berka_22

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

The start number called the most often in the published annotations is 15, it was called in 3 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Piku_15, Whytu_15, Yavru_15,

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

- Utopia_15,

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

- Berka_22, CabbageMan_17, CheeseDanish_19, Corgi_19, Idaho_17, KNG13_19, LauKoruNamu_18, Nebulanyx_19, Noely_17, Pauu_18, WorldChangers_18,

Summary by start number:

Start 11:

- Found in 4 of 15 (26.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Utopia_15 (FE),

Start 13:

- Found in 7 of 15 (46.7%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 85.7% of time when present
- Phage (with cluster) where this start called: CabbageMan_17 (FE), CheeseDanish_19 (FE), Corgi_19 (FE), LauKoruNamu_18 (FE), Nebulanyx_19 (FE), Pauu_18 (FE),

Start 14:

- Found in 9 of 15 (60.0%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Idaho_17 (FE), Noely_17 (FE),

Start 15:

- Found in 4 of 15 (26.7%) of genes in pham
- Manual Annotations of this start: 3 of 10
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Piku_15 (FE), Whytu_15 (FE), Yavru_15 (FE),

Start 16:

- Found in 1 of 15 (6.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Berka_22 (FE),

Start 17:

- Found in 2 of 15 (13.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: WorldChangers_18 (FE),

Start 19:

- Found in 10 of 15 (66.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 10.0% of time when present
- Phage (with cluster) where this start called: KNG13_19 (FE),

Summary by clusters:

There is one cluster represented in this pham: FE

Info for manual annotations of cluster FE:

- Start number 11 was manually annotated 1 time for cluster FE.
- Start number 13 was manually annotated 2 times for cluster FE.
- Start number 14 was manually annotated 2 times for cluster FE.
- Start number 15 was manually annotated 3 times for cluster FE.
- Start number 16 was manually annotated 1 time for cluster FE.
- Start number 19 was manually annotated 1 time for cluster FE.

Gene Information:

Gene: Berka_22 Start: 13026, Stop: 13250, Start Num: 16

Candidate Starts for Berka_22:

(4, 12918), (8, 12957), (Start: 16 @13026 has 1 MA's), (17, 13044), (Start: 19 @13068 has 1 MA's), (21, 13113), (26, 13206), (28, 13233), (29, 13239),

Gene: CabbageMan_17 Start: 13096, Stop: 13374, Start Num: 13

Candidate Starts for CabbageMan_17:

(6, 13033), (Start: 13 @13096 has 2 MA's), (Start: 14 @13102 has 2 MA's), (Start: 19 @13141 has 1 MA's), (26, 13279), (27, 13297), (31, 13339),

Gene: CheeseDanish_19 Start: 13255, Stop: 13533, Start Num: 13

Candidate Starts for CheeseDanish_19:

(7, 13198), (Start: 13 @13255 has 2 MA's), (Start: 14 @13261 has 2 MA's), (Start: 19 @13300 has 1 MA's), (26, 13438), (31, 13498),

Gene: Corgi_19 Start: 13255, Stop: 13533, Start Num: 13

Candidate Starts for Corgi_19:

(7, 13198), (Start: 13 @13255 has 2 MA's), (Start: 14 @13261 has 2 MA's), (Start: 19 @13300 has 1 MA's), (26, 13438), (31, 13498),

Gene: Idaho_17 Start: 13517, Stop: 13774, Start Num: 14

Candidate Starts for Idaho_17:

(Start: 14 @13517 has 2 MA's), (Start: 19 @13556 has 1 MA's), (21, 13601), (24, 13652), (26, 13694),

Gene: KNG13_19 Start: 13297, Stop: 13530, Start Num: 19

Candidate Starts for KNG13_19:

(7, 13195), (Start: 13 @13252 has 2 MA's), (Start: 14 @13258 has 2 MA's), (Start: 19 @13297 has 1 MA's), (26, 13435), (31, 13495),

Gene: LauKoruNamu_18 Start: 13096, Stop: 13374, Start Num: 13

Candidate Starts for LauKoruNamu_18:

(6, 13033), (Start: 13 @13096 has 2 MA's), (Start: 14 @13102 has 2 MA's), (Start: 19 @13141 has 1 MA's), (26, 13279), (27, 13297), (31, 13339),

Gene: Nebulanyx_19 Start: 13252, Stop: 13530, Start Num: 13

Candidate Starts for Nebulanyx_19:

(7, 13195), (Start: 13 @13252 has 2 MA's), (Start: 14 @13258 has 2 MA's), (Start: 19 @13297 has 1 MA's), (26, 13435), (31, 13495),

Gene: Noely_17 Start: 12627, Stop: 12899, Start Num: 14

Candidate Starts for Noely_17:

(10, 12588), (Start: 14 @12627 has 2 MA's), (Start: 19 @12666 has 1 MA's), (26, 12804), (27, 12822),

Gene: Pauu_18 Start: 13096, Stop: 13374, Start Num: 13

Candidate Starts for Pauu_18:

(6, 13033), (Start: 13 @13096 has 2 MA's), (Start: 14 @13102 has 2 MA's), (Start: 19 @13141 has 1 MA's), (26, 13279), (27, 13297), (31, 13339),

Gene: Piku_15 Start: 12477, Stop: 12746, Start Num: 15

Candidate Starts for Piku_15:

(3, 12372), (5, 12387), (9, 12429), (Start: 11 @12438 has 1 MA's), (Start: 15 @12477 has 3 MA's), (30, 12717),

Gene: Utopia_15 Start: 12409, Stop: 12717, Start Num: 11

Candidate Starts for Utopia_15:

(3, 12343), (5, 12358), (Start: 11 @12409 has 1 MA's), (12, 12430), (Start: 15 @12448 has 3 MA's), (30, 12688),

Gene: Whytu_15 Start: 12543, Stop: 12812, Start Num: 15

Candidate Starts for Whytu_15:

(3, 12438), (5, 12453), (Start: 11 @12504 has 1 MA's), (Start: 15 @12543 has 3 MA's), (25, 12693), (30, 12783),

Gene: WorldChangers_18 Start: 12884, Stop: 13108, Start Num: 17

Candidate Starts for WorldChangers_18:

(1, 12761), (2, 12764), (17, 12884), (18, 12899), (20, 12944), (22, 12962), (23, 12977),

Gene: Yavru_15 Start: 12438, Stop: 12707, Start Num: 15

Candidate Starts for Yavru_15:

(3, 12333), (5, 12348), (Start: 11 @12399 has 1 MA's), (12, 12420), (Start: 15 @12438 has 3 MA's), (21, 12528), (30, 12678),