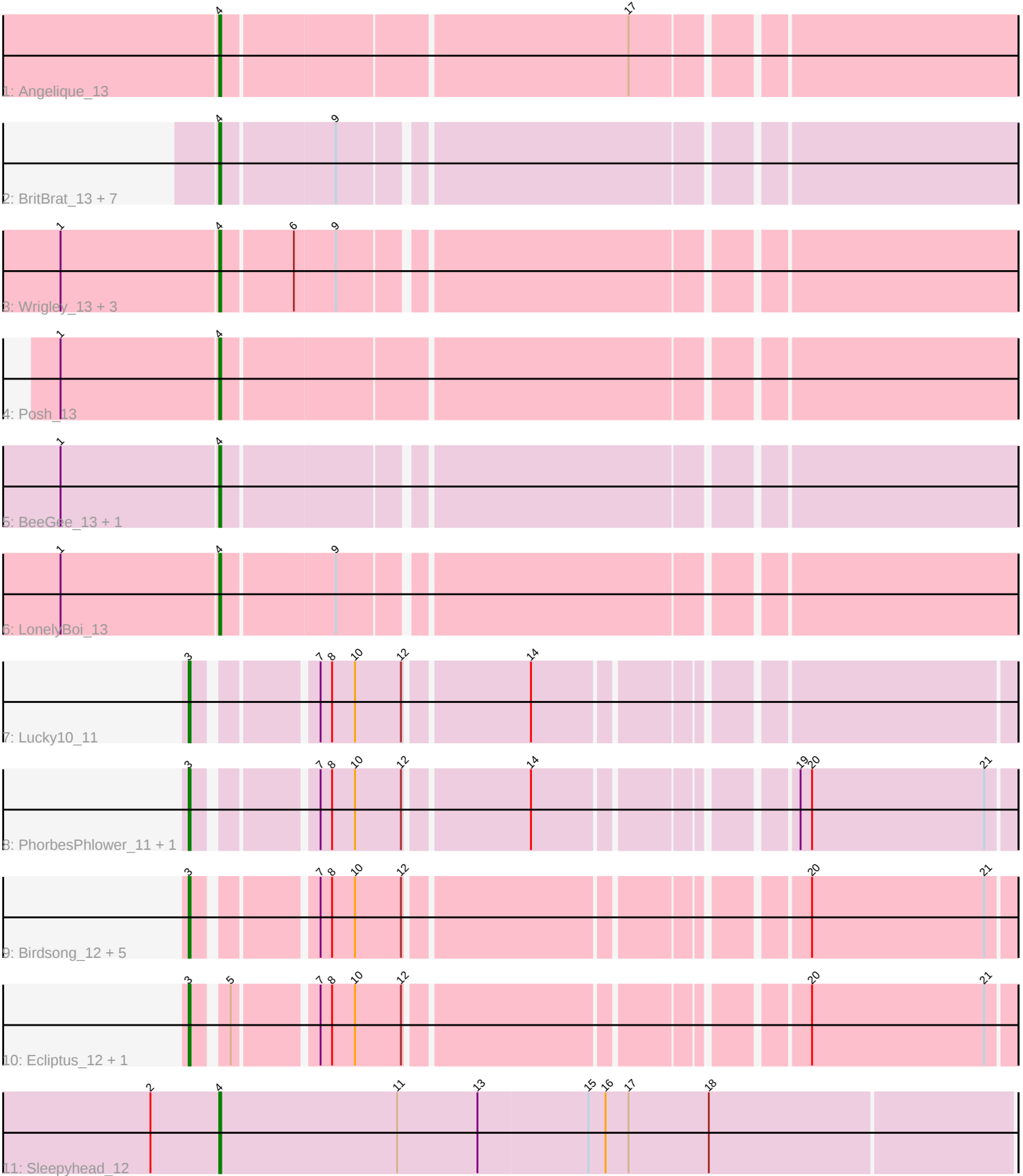


Pham 280742



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 280742 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280742 has 29 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Angelique_13
- Track 2 : BritBrat_13, EnalisNailo_13, Lilas_13, Bradissa_13, Floral_13, Marteena_13, EMSquaredA_13, Pollux_13
- Track 3 : Wrigley_13, Pytheas_13, Confidence_13, Jablanski_13
- Track 4 : Posh_13
- Track 5 : BeeGee_13, Cashline_13
- Track 6 : LonelyBoi_13
- Track 7 : Lucky10_11
- Track 8 : PhorbesPhlower_11, Morkie_11
- Track 9 : Birdsong_12, Crater_12, Apricot_12, BearBQ_12, Kuwabara_12, MortyNRick_12
- Track 10 : Ecliptus_12, ODay_12
- Track 11 : Sleepyhead_12

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

The start number called the most often in the published annotations is 4, it was called in 18 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Angelique_13, BeeGee_13, Bradissa_13, BritBrat_13, Cashline_13, Confidence_13, EMSquaredA_13, EnalisNailo_13, Floral_13, Jablanski_13, Lilas_13, LonelyBoi_13, Marteena_13, Pollux_13, Posh_13, Pytheas_13, Sleepyhead_12, Wrigley_13,

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

-

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

- Apricot_12, BearBQ_12, Birdsong_12, Crater_12, Ecliptus_12, Kuwabara_12, Lucky10_11, Morkie_11, MortyNRick_12, ODay_12, PhorbesPhlower_11,

Summary by start number:

Start 3:

- Found in 11 of 29 (37.9%) of genes in pham
- Manual Annotations of this start: 11 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apricot_12 (DN3), BearBQ_12 (DN), Birdsong_12 (DN), Crater_12 (DN3), Ecliptus_12 (DN), Kuwabara_12 (DN4), Lucky10_11 (DH), Morkie_11 (DH), MortyNRick_12 (DN), ODay_12 (DN), PhorbesPhlower_11 (DH),

Start 4:

- Found in 18 of 29 (62.1%) of genes in pham
- Manual Annotations of this start: 18 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Angelique_13 (CY1), BeeGee_13 (CY5), Bradissa_13 (CY1), BritBrat_13 (CY2), Cashline_13 (CY6), Confidence_13 (CY1), EMSquaredA_13 (CY1), EnalisNailo_13 (CY1), Floral_13 (CY1), Jablanski_13 (CY3), Lilas_13 (CY1), LonelyBoi_13 (CY7), Marteenaa_13 (CY1), Pollux_13 (CY1), Posh_13 (CY4), Pytheas_13 (CY3), Sleepyhead_12 (singleton), Wrigley_13 (CY4),

Summary by clusters:

There are 12 clusters represented in this pham: CY3, DN, CY1, CY7, DH, CY5, CY2, CY4, singleton, DN4, DN3, CY6,

Info for manual annotations of cluster CY1:

- Start number 4 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 4 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 4 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 4 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 4 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 4 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 4 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster DH:

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

Info for manual annotations of cluster DN:

- Start number 3 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN3:

- Start number 3 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

•Start number 3 was manually annotated 1 time for cluster DN4.

Gene Information:

Gene: Angelique_13 Start: 8261, Stop: 8653, Start Num: 4

Candidate Starts for Angelique_13:

(Start: 4 @8261 has 18 MA's), (17, 8465),

Gene: Apricot_12 Start: 7390, Stop: 7773, Start Num: 3

Candidate Starts for Apricot_12:

(Start: 3 @7390 has 11 MA's), (7, 7444), (8, 7450), (10, 7462), (12, 7486), (20, 7669), (21, 7759),

Gene: BearBQ_12 Start: 7390, Stop: 7773, Start Num: 3

Candidate Starts for BearBQ_12:

(Start: 3 @7390 has 11 MA's), (7, 7444), (8, 7450), (10, 7462), (12, 7486), (20, 7669), (21, 7759),

Gene: BeeGee_13 Start: 8263, Stop: 8649, Start Num: 4

Candidate Starts for BeeGee_13:

(1, 8182), (Start: 4 @8263 has 18 MA's),

Gene: Birdsong_12 Start: 7390, Stop: 7773, Start Num: 3

Candidate Starts for Birdsong_12:

(Start: 3 @7390 has 11 MA's), (7, 7444), (8, 7450), (10, 7462), (12, 7486), (20, 7669), (21, 7759),

Gene: Bradissa_13 Start: 8267, Stop: 8653, Start Num: 4

Candidate Starts for Bradissa_13:

(Start: 4 @8267 has 18 MA's), (9, 8324),

Gene: BritBrat_13 Start: 8269, Stop: 8655, Start Num: 4

Candidate Starts for BritBrat_13:

(Start: 4 @8269 has 18 MA's), (9, 8326),

Gene: Cashline_13 Start: 8116, Stop: 8508, Start Num: 4

Candidate Starts for Cashline_13:

(1, 8035), (Start: 4 @8116 has 18 MA's),

Gene: Confidence_13 Start: 8263, Stop: 8649, Start Num: 4

Candidate Starts for Confidence_13:

(1, 8182), (Start: 4 @8263 has 18 MA's), (6, 8299), (9, 8320),

Gene: Crater_12 Start: 7390, Stop: 7773, Start Num: 3

Candidate Starts for Crater_12:

(Start: 3 @7390 has 11 MA's), (7, 7444), (8, 7450), (10, 7462), (12, 7486), (20, 7669), (21, 7759),

Gene: EMsquaredA_13 Start: 8269, Stop: 8655, Start Num: 4

Candidate Starts for EMsquaredA_13:

(Start: 4 @8269 has 18 MA's), (9, 8326),

Gene: Ecliptus_12 Start: 7118, Stop: 7501, Start Num: 3

Candidate Starts for Ecliptus_12:

(Start: 3 @7118 has 11 MA's), (5, 7133), (7, 7172), (8, 7178), (10, 7190), (12, 7214), (20, 7397), (21, 7487),

Gene: EnalisNailo_13 Start: 8269, Stop: 8655, Start Num: 4

Candidate Starts for EnalisNailo_13:

(Start: 4 @8269 has 18 MA's), (9, 8326),

Gene: Floral_13 Start: 8269, Stop: 8655, Start Num: 4

Candidate Starts for Floral_13:

(Start: 4 @8269 has 18 MA's), (9, 8326),

Gene: Jablanski_13 Start: 8116, Stop: 8502, Start Num: 4

Candidate Starts for Jablanski_13:

(1, 8035), (Start: 4 @8116 has 18 MA's), (6, 8152), (9, 8173),

Gene: Kuwabara_12 Start: 7390, Stop: 7773, Start Num: 3

Candidate Starts for Kuwabara_12:

(Start: 3 @7390 has 11 MA's), (7, 7444), (8, 7450), (10, 7462), (12, 7486), (20, 7669), (21, 7759),

Gene: Lilas_13 Start: 8269, Stop: 8655, Start Num: 4

Candidate Starts for Lilas_13:

(Start: 4 @8269 has 18 MA's), (9, 8326),

Gene: LonelyBoi_13 Start: 8116, Stop: 8502, Start Num: 4

Candidate Starts for LonelyBoi_13:

(1, 8035), (Start: 4 @8116 has 18 MA's), (9, 8173),

Gene: Lucky10_11 Start: 6599, Stop: 6982, Start Num: 3

Candidate Starts for Lucky10_11:

(Start: 3 @6599 has 11 MA's), (7, 6653), (8, 6659), (10, 6671), (12, 6695), (14, 6755),

Gene: Marteena_13 Start: 8269, Stop: 8655, Start Num: 4

Candidate Starts for Marteena_13:

(Start: 4 @8269 has 18 MA's), (9, 8326),

Gene: Morkie_11 Start: 6561, Stop: 6944, Start Num: 3

Candidate Starts for Morkie_11:

(Start: 3 @6561 has 11 MA's), (7, 6615), (8, 6621), (10, 6633), (12, 6657), (14, 6717), (19, 6834), (20, 6840), (21, 6930),

Gene: MortyNRick_12 Start: 7390, Stop: 7773, Start Num: 3

Candidate Starts for MortyNRick_12:

(Start: 3 @7390 has 11 MA's), (7, 7444), (8, 7450), (10, 7462), (12, 7486), (20, 7669), (21, 7759),

Gene: ODay_12 Start: 7116, Stop: 7499, Start Num: 3

Candidate Starts for ODay_12:

(Start: 3 @7116 has 11 MA's), (5, 7131), (7, 7170), (8, 7176), (10, 7188), (12, 7212), (20, 7395), (21, 7485),

Gene: PhorbesPhlower_11 Start: 6561, Stop: 6944, Start Num: 3

Candidate Starts for PhorbesPhlower_11:

(Start: 3 @6561 has 11 MA's), (7, 6615), (8, 6621), (10, 6633), (12, 6657), (14, 6717), (19, 6834), (20, 6840), (21, 6930),

Gene: Pollux_13 Start: 8269, Stop: 8655, Start Num: 4
Candidate Starts for Pollux_13:
(Start: 4 @8269 has 18 MA's), (9, 8326),

Gene: Posh_13 Start: 8263, Stop: 8655, Start Num: 4
Candidate Starts for Posh_13:
(1, 8182), (Start: 4 @8263 has 18 MA's),

Gene: Pytheas_13 Start: 8116, Stop: 8502, Start Num: 4
Candidate Starts for Pytheas_13:
(1, 8035), (Start: 4 @8116 has 18 MA's), (6, 8152), (9, 8173),

Gene: Sleepyhead_12 Start: 7869, Stop: 8279, Start Num: 4
Candidate Starts for Sleepyhead_12:
(2, 7833), (Start: 4 @7869 has 18 MA's), (11, 7962), (13, 8004), (15, 8061), (16, 8070), (17, 8082), (18, 8124),

Gene: Wrigley_13 Start: 8113, Stop: 8499, Start Num: 4
Candidate Starts for Wrigley_13:
(1, 8032), (Start: 4 @8113 has 18 MA's), (6, 8149), (9, 8170),