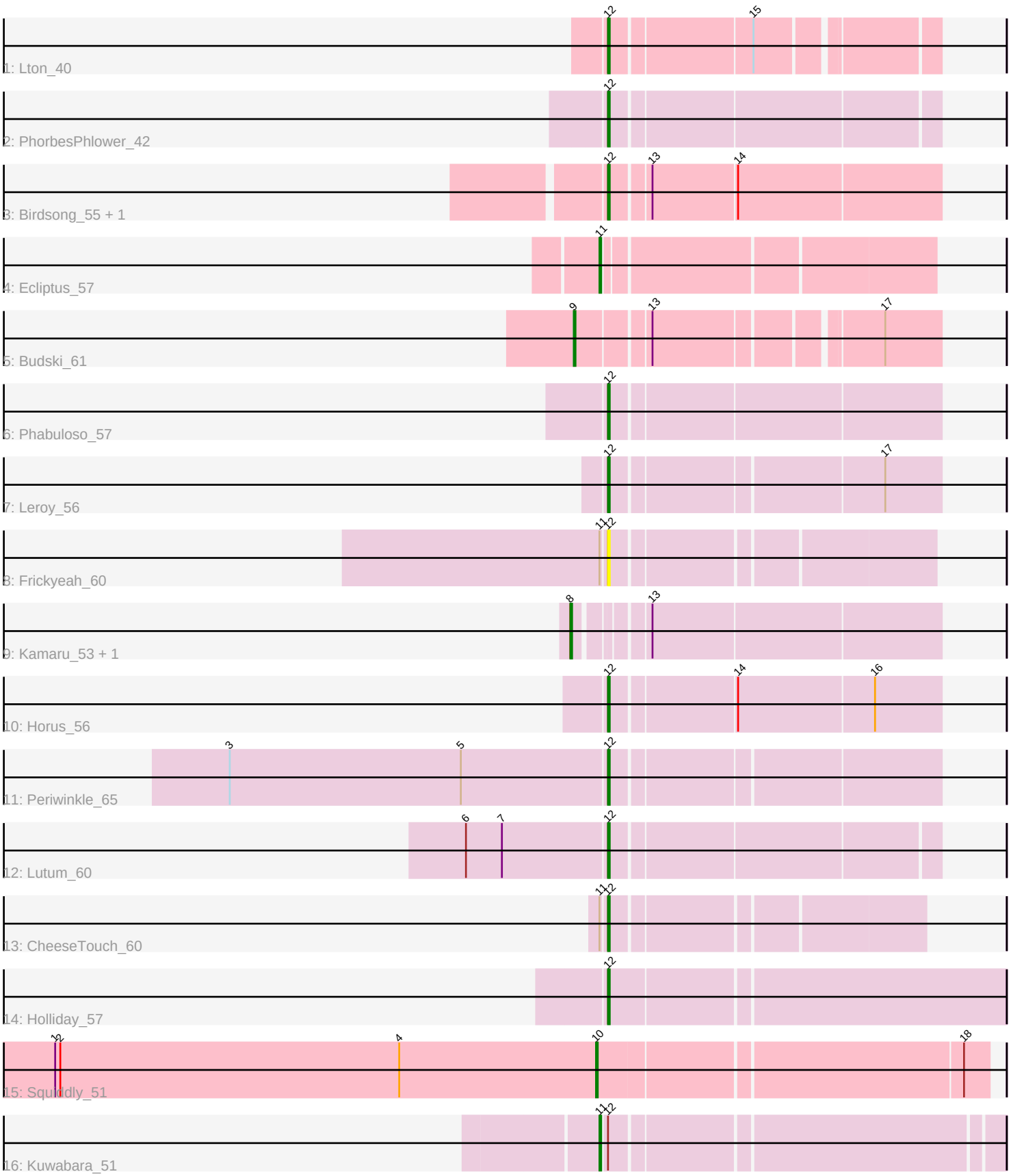
Pham 86882


1: Lton_40
2: PhorbesPhlower_42
3: Birdsong_55 + 1
4: Ecliptus_57
5: Budski_61
6: Phabuloso_57
7: Leroy_56
8: Frickyeah_60
9: Kamaru_53 + 1
10: Horus_56
11: Periwinkle_65
12: Lutum_60
13: CheeseTouch_60
14: Holliday_57
15: Squiddly_51
16: Kuwabara_51

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 86882 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86882 has 18 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Lton_40
• Track 2 : PhorbesPhlower_42
• Track 3 : Birdsong_55, Asapag_55
• Track 4 : Ecliptus_57
• Track 5 : Budski_61
• Track 6 : Phabuloso_57
• Track 7 : Leroy_56
• Track 8 : Frickyeah_60
• Track 9 : Kamaru_53, LitninMcQueen_51
• Track 10 : Horus_56
• Track 11 : Periwinkle_65
• Track 12 : Lutum_60
• Track 13 : CheeseTouch_60
• Track 14 : Holliday_57
• Track 15 : Squiddly_51
• Track 16 : Kuwabara_51

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

The start number called the most often in the published annotations is 12, it was called in 11 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Asapag_55, Birdsong_55, CheeseTouch_60, Frickyeah_60, Holliday_57, Horus_56, Leroy_56, Lton_40, Lutum_60, Periwinkle_65, Phabuloso_57, PhorbesPhlower_42,

Genes that have the "Most Annotated" start but do not call it:
• Kuwabara_51,

Genes that do not have the "Most Annotated" start:
• Budski_61, Ecliptus_57, Kamaru_53, LitninMcQueen_51, Squiddly_51,

Summary by start number:

Start 8:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kamaru_53 (DN1), LitninMcQueen_51 (DN1),

Start 9:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Budski_61 (DN),

Start 10:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Squiddly_51 (DN2),

Start 11:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 16
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ecliptus_57 (DN), Kuwabara_51 (DN4),

Start 12:
• Found in 13 of 18 (72.2%) of genes in pham
• Manual Annotations of this start: 11 of 16
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Asapag_55 (DN1), Birdsong_55 (DN), CheeseTouch_60 (DN1), Frickyeah_60 (DN1), Holliday_57 (DN1), Horus_56 (DN1), Leroy_56 (DN1), Lton_40 (CZ), Lutum_60 (DN1), Periwinkle_65 (DN1), Phabuloso_57 (DN1), PhorbesPhlower_42 (DH),

Summary by clusters:

There are 6 clusters represented in this pham: DN, DH, DN4, CZ, DN1, DN2,

Info for manual annotations of cluster CZ:
•Start number 12 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster DH:
•Start number 12 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:
•Start number 9 was manually annotated 1 time for cluster DN.
•Start number 11 was manually annotated 1 time for cluster DN.
•Start number 12 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 8 was manually annotated 1 time for cluster DN1.
•Start number 12 was manually annotated 8 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 10 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster DN4:
•Start number 11 was manually annotated 1 time for cluster DN4.

Gene Information:

Gene: Asapag_55 Start: 36431, Stop: 36616, Start Num: 12
Candidate Starts for Asapag_55:
(Start: 12 @36431 has 11 MA's), (13, 36452), (14, 36500),

Gene: Birdsong_55 Start: 36652, Stop: 36837, Start Num: 12
Candidate Starts for Birdsong_55:
(Start: 12 @36652 has 11 MA's), (13, 36673), (14, 36721),

Gene: Budski_61 Start: 38688, Stop: 38879, Start Num: 9
Candidate Starts for Budski_61:
(Start: 9 @38688 has 1 MA's), (13, 38727), (17, 38847),

Gene: CheeseTouch_60 Start: 34264, Stop: 34434, Start Num: 12
Candidate Starts for CheeseTouch_60:
(Start: 11 @34261 has 2 MA's), (Start: 12 @34264 has 11 MA's),

Gene: Ecliptus_57 Start: 38061, Stop: 38243, Start Num: 11
Candidate Starts for Ecliptus_57:
(Start: 11 @38061 has 2 MA's),

Gene: Frickyeah_60 Start: 36098, Stop: 36274, Start Num: 12
Candidate Starts for Frickyeah_60:
(Start: 11 @36095 has 2 MA's), (Start: 12 @36098 has 11 MA's),

Gene: Holliday_57 Start: 37785, Stop: 38009, Start Num: 12
Candidate Starts for Holliday_57:
(Start: 12 @37785 has 11 MA's),

Gene: Horus_56 Start: 37482, Stop: 37667, Start Num: 12
Candidate Starts for Horus_56:
(Start: 12 @37482 has 11 MA's), (14, 37551), (16, 37629),

Gene: Kamaru_53 Start: 36698, Stop: 36895, Start Num: 8
Candidate Starts for Kamaru_53:
(Start: 8 @36698 has 1 MA's), (13, 36731),

Gene: Kuwabara_51 Start: 36230, Stop: 36448, Start Num: 11
Candidate Starts for Kuwabara_51:
(Start: 11 @36230 has 2 MA's), (Start: 12 @36233 has 11 MA's),

Gene: Leroy_56 Start: 36464, Stop: 36646, Start Num: 12
Candidate Starts for Leroy_56:
(Start: 12 @36464 has 11 MA's), (17, 36614),

Gene: LitninMcQueen_51 Start: 36445, Stop: 36642, Start Num: 8
Candidate Starts for LitninMcQueen_51:
(Start: 8 @36445 has 1 MA's), (13, 36478),

Gene: Lton_40 Start: 28957, Stop: 29130, Start Num: 12
Candidate Starts for Lton_40:
(Start: 12 @28957 has 11 MA's), (15, 29035),

Gene: Lutum_60 Start: 38051, Stop: 38233, Start Num: 12
Candidate Starts for Lutum_60:
(6, 37970), (7, 37991), (Start: 12 @38051 has 11 MA's),

Gene: Periwinkle_65 Start: 39073, Stop: 39255, Start Num: 12
Candidate Starts for Periwinkle_65:
(3, 38854), (5, 38989), (Start: 12 @39073 has 11 MA's),

Gene: Phabuloso_57 Start: 37244, Stop: 37429, Start Num: 12
Candidate Starts for Phabuloso_57:
(Start: 12 @37244 has 11 MA's),

Gene: PhorbesPhlower_42 Start: 29707, Stop: 29889, Start Num: 12
Candidate Starts for PhorbesPhlower_42:
(Start: 12 @29707 has 11 MA's),

Gene: Squiddly_51 Start: 36758, Stop: 36976, Start Num: 10
Candidate Starts for Squiddly_51:
(1, 36443), (2, 36446), (4, 36644), (Start: 10 @36758 has 1 MA's), (18, 36962),