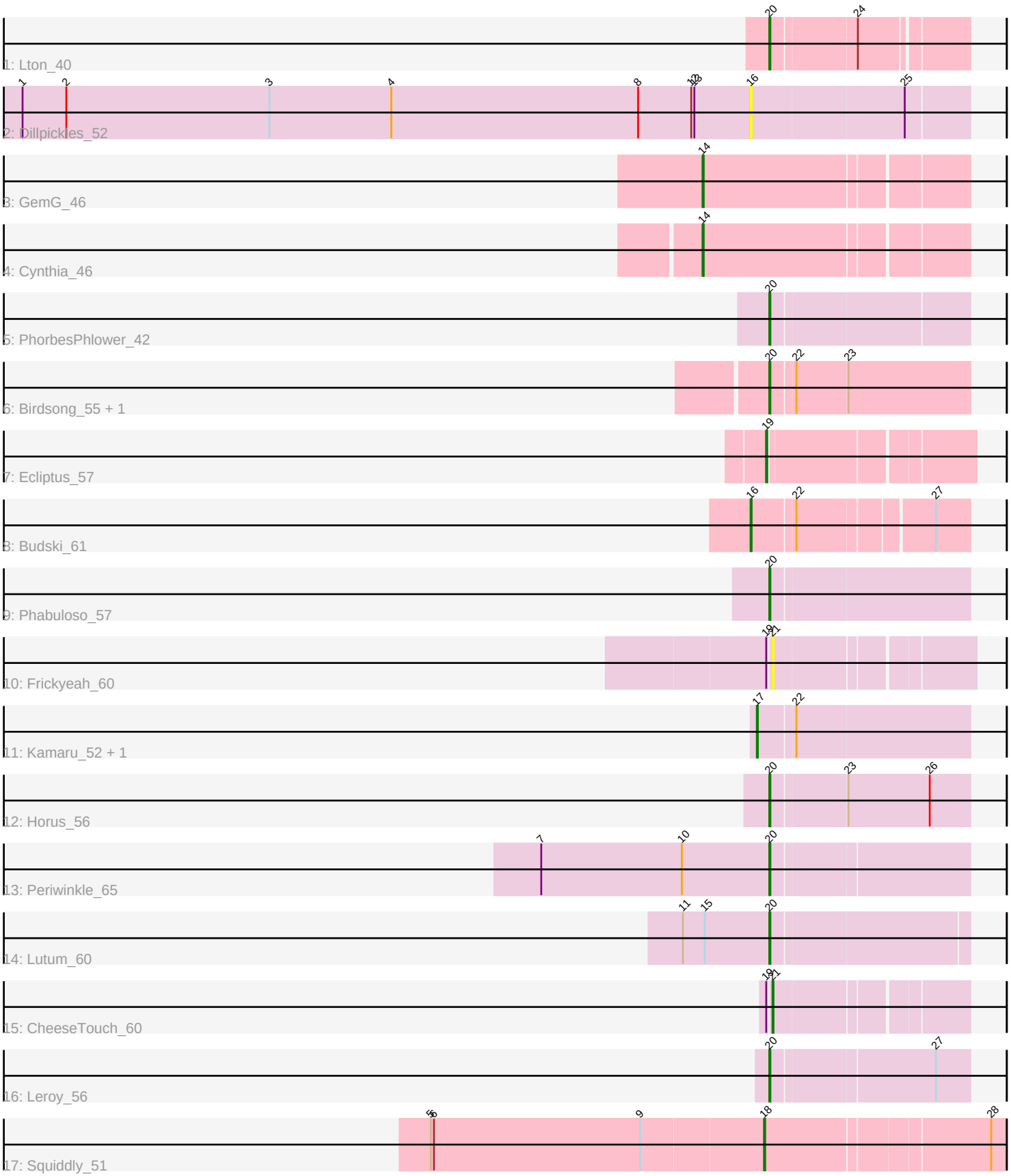
Pham 348071


1: Lton_40
2: Dillpickles_52
3: GemG_46
4: Cynthia_46
5: PhorbesPhlower_42
6: Birdsong_55 + 1
7: Ecliptus_57
8: Budski_61
9: Phabuloso_57
10: Frickyeah_60
11: Kamaru_52 + 1
12: Horus_56
13: Periwinkle_65
14: Lutum_60
15: CheeseTouch_60
16: Leroy_56
17: Squiddly_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 348071 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348071 has 19 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Lton_40
• Track 2 : Dillpickles_52
• Track 3 : GemG_46
• Track 4 : Cynthia_46
• Track 5 : PhorbesPhlower_42
• Track 6 : Birdsong_55, Asapag_55
• Track 7 : Ecliptus_57
• Track 8 : Budski_61
• Track 9 : Phabuloso_57
• Track 10 : Frickyeah_60
• Track 11 : Kamaru_52, LitninMcQueen_51
• Track 12 : Horus_56
• Track 13 : Periwinkle_65
• Track 14 : Lutum_60
• Track 15 : CheeseTouch_60
• Track 16 : Leroy_56
• Track 17 : Squiddly_51

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

The start number called the most often in the published annotations is 20, it was called in 9 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Asapag_55, Birdsong_55, 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:
•

Genes that do not have the "Most Annotated" start:
• Budski_61, CheeseTouch_60, Cynthia_46, Dillpickles_52, Ecliptus_57, Frickyeah_60, GemG_46, Kamaru_52, LitninMcQueen_51, Squiddly_51,

Summary by start number:

Start 14:
• Found in 2 of 19 (10.5%) of genes in pham
• Manual Annotations of this start: 2 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cynthia_46 (CZ2), GemG_46 (CZ2),

Start 16:
• Found in 2 of 19 (10.5%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Budski_61 (DN), Dillpickles_52 (CZ1),

Start 17:
• Found in 2 of 19 (10.5%) of genes in pham
• Manual Annotations of this start: 2 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kamaru_52 (DN1), LitninMcQueen_51 (DN1),

Start 18:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Squiddly_51 (DN2),

Start 19:
• Found in 3 of 19 (15.8%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Ecliptus_57 (DN),

Start 20:
• Found in 9 of 19 (47.4%) of genes in pham
• Manual Annotations of this start: 9 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Asapag_55 (DN1), Birdsong_55 (DN), Horus_56 (DN1), Leroy_56 (DN1), Lton_40 (CZ), Lutum_60 (DN1), Periwinkle_65 (DN1), Phabuloso_57 (DN1), PhorbesPhlower_42 (DH),

Start 21:
• Found in 2 of 19 (10.5%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CheeseTouch_60 (DN1), Frickyeah_60 (DN1),

Summary by clusters:

There are 7 clusters represented in this pham: DN, DH, CZ2, CZ1, CZ, DN1, DN2,

Info for manual annotations of cluster CZ:

•Start number 20 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ2:
•Start number 14 was manually annotated 2 times for cluster CZ2.

Info for manual annotations of cluster DH:
•Start number 20 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:
•Start number 16 was manually annotated 1 time for cluster DN.
•Start number 19 was manually annotated 1 time for cluster DN.
•Start number 20 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 17 was manually annotated 2 times for cluster DN1.
•Start number 20 was manually annotated 6 times for cluster DN1.
•Start number 21 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 18 was manually annotated 1 time for cluster DN2.

Gene Information:

Gene: Asapag_55 Start: 36431, Stop: 36616, Start Num: 20
Candidate Starts for Asapag_55:
(Start: 20 @36431 has 9 MA's), (22, 36452), (23, 36500),

Gene: Birdsong_55 Start: 36652, Stop: 36837, Start Num: 20
Candidate Starts for Birdsong_55:
(Start: 20 @36652 has 9 MA's), (22, 36673), (23, 36721),

Gene: Budski_61 Start: 38688, Stop: 38879, Start Num: 16
Candidate Starts for Budski_61:
(Start: 16 @38688 has 1 MA's), (22, 38727), (27, 38847),

Gene: CheeseTouch_60 Start: 34264, Stop: 34434, Start Num: 21
Candidate Starts for CheeseTouch_60:
(Start: 19 @34261 has 1 MA's), (Start: 21 @34264 has 1 MA's),

Gene: Cynthia_46 Start: 32651, Stop: 32890, Start Num: 14
Candidate Starts for Cynthia_46:
(Start: 14 @32651 has 2 MA's),

Gene: Dillpickles_52 Start: 35142, Stop: 35345, Start Num: 16
Candidate Starts for Dillpickles_52:
(1, 34443), (2, 34485), (3, 34680), (4, 34797), (8, 35034), (12, 35085), (13, 35088), (Start: 16 @35142 has 1 MA's), (25, 35286),

Gene: Ecliptus_57 Start: 38061, Stop: 38243, Start Num: 19
Candidate Starts for Ecliptus_57:

(Start: 19 @38061 has 1 MA's),

Gene: Frickyeah_60 Start: 36098, Stop: 36274, Start Num: 21
Candidate Starts for Frickyeah_60:
(Start: 19 @36095 has 1 MA's), (Start: 21 @36098 has 1 MA's),

Gene: GemG_46 Start: 32657, Stop: 32896, Start Num: 14
Candidate Starts for GemG_46:
(Start: 14 @32657 has 2 MA's),

Gene: Horus_56 Start: 37482, Stop: 37667, Start Num: 20
Candidate Starts for Horus_56:
(Start: 20 @37482 has 9 MA's), (23, 37551), (26, 37629),

Gene: Kamaru_52 Start: 36698, Stop: 36895, Start Num: 17
Candidate Starts for Kamaru_52:
(Start: 17 @36698 has 2 MA's), (22, 36731),

Gene: Leroy_56 Start: 36464, Stop: 36646, Start Num: 20
Candidate Starts for Leroy_56:
(Start: 20 @36464 has 9 MA's), (27, 36614),

Gene: LitninMcQueen_51 Start: 36445, Stop: 36642, Start Num: 17
Candidate Starts for LitninMcQueen_51:
(Start: 17 @36445 has 2 MA's), (22, 36478),

Gene: Lton_40 Start: 28957, Stop: 29130, Start Num: 20
Candidate Starts for Lton_40:
(Start: 20 @28957 has 9 MA's), (24, 29035),

Gene: Lutum_60 Start: 38051, Stop: 38233, Start Num: 20
Candidate Starts for Lutum_60:
(11, 37970), (15, 37991), (Start: 20 @38051 has 9 MA's),

Gene: Periwinkle_65 Start: 39073, Stop: 39255, Start Num: 20
Candidate Starts for Periwinkle_65:
(7, 38854), (10, 38989), (Start: 20 @39073 has 9 MA's),

Gene: Phabuloso_57 Start: 37244, Stop: 37429, Start Num: 20
Candidate Starts for Phabuloso_57:
(Start: 20 @37244 has 9 MA's),

Gene: PhorbesPhlower_42 Start: 29707, Stop: 29889, Start Num: 20
Candidate Starts for PhorbesPhlower_42:
(Start: 20 @29707 has 9 MA's),

Gene: Squiddly_51 Start: 36758, Stop: 36976, Start Num: 18
Candidate Starts for Squiddly_51:
(5, 36443), (6, 36446), (9, 36644), (Start: 18 @36758 has 1 MA's), (28, 36962),