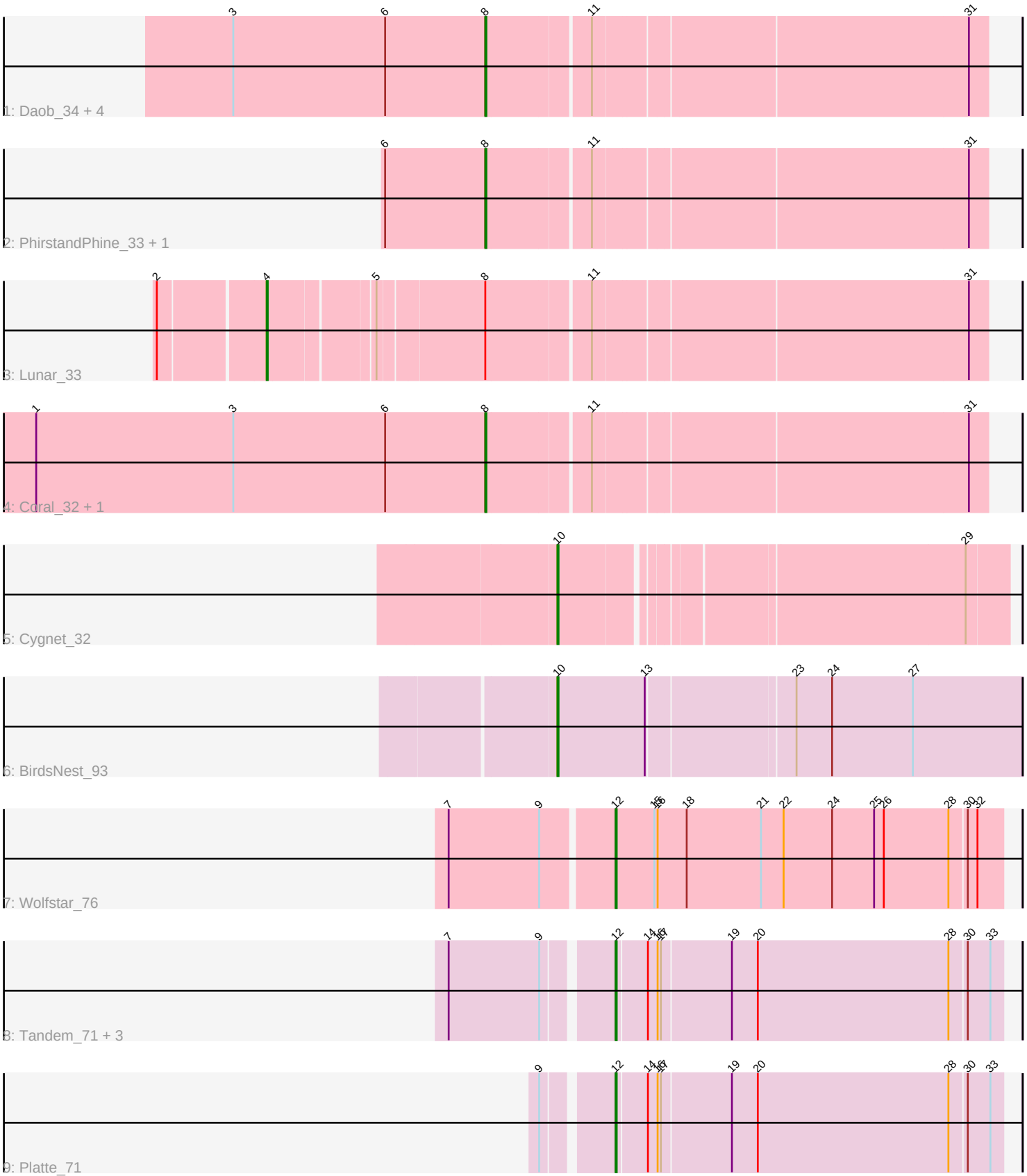
Pham 348100


3
6
8
11
31
1: Daob_34 + 4
6
8
11
31
2: PhirstandPhine_33 + 1
2
4
5
8
11
31
3: Lunar_33
1
3
6
8
11
31
4: Coral_32 + 1
10
29
5: Cygnet_32
10
13
23
24
27
6: BirdsNest_93
7
9
12
18
21
22
24
28
7: Wolfstar_76
7
9
12
19
20
28
30
33
8: Tandem_71 + 3
9
12
19
20
28
30
33
9: Platte_71

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 348100 Report

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

Pham number 348100 has 18 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Daob_34, Jerole_33, Amelia_33, Kepler_33, HannahPhantana_33
• Track 2 : PhirstandPhine_33, Melons_33
• Track 3 : Lunar_33
• Track 4 : Coral_32, Cote_34
• Track 5 : Cygnet_32
• Track 6 : BirdsNest_93
• Track 7 : Wolfstar_76
• Track 8 : Tandem_71, OlinDD_71, Hortus1_71, Pioneer3_71
• Track 9 : Platte_71

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

The start number called the most often in the published annotations is 8, it was called in 9 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amelia_33, Coral_32, Cote_34, Daob_34, HannahPhantana_33, Jerole_33, Kepler_33, Melons_33, PhirstandPhine_33,

Genes that have the "Most Annotated" start but do not call it:
• Lunar_33,

Genes that do not have the "Most Annotated" start:
• BirdsNest_93, Cygnet_32, Hortus1_71, OlinDD_71, Pioneer3_71, Platte_71, Tandem_71, Wolfstar_76,

Summary by start number:

Start 4:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lunar_33 (AS2),

Start 8:
• Found in 10 of 18 (55.6%) of genes in pham
• Manual Annotations of this start: 9 of 18
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Amelia_33 (AS2), Coral_32 (AS2), Cote_34 (AS2), Daob_34 (AS2), HannahPhantana_33 (AS2), Jerole_33 (AS2), Kepler_33 (AS2), Melons_33 (AS2), PhirstandPhine_33 (AS2),

Start 10:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_93 (B13), Cygnet_32 (AS2),

Start 12:
• Found in 6 of 18 (33.3%) of genes in pham
• Manual Annotations of this start: 6 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hortus1_71 (ED1), OlinDD_71 (ED1), Pioneer3_71 (ED1), Platte_71 (ED1), Tandem_71 (ED1), Wolfstar_76 (ED),

Summary by clusters:

There are 4 clusters represented in this pham: AS2, ED1, B13, ED,

Info for manual annotations of cluster AS2:
•Start number 4 was manually annotated 1 time for cluster AS2.
•Start number 8 was manually annotated 9 times for cluster AS2.
•Start number 10 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster B13:
•Start number 10 was manually annotated 1 time for cluster B13.

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

Info for manual annotations of cluster ED1:
•Start number 12 was manually annotated 5 times for cluster ED1.

Gene Information:

Gene: Amelia_33 Start: 21955, Stop: 21515, Start Num: 8
Candidate Starts for Amelia_33:
(3, 22189), (6, 22048), (Start: 8 @21955 has 9 MA's), (11, 21865), (31, 21532),

Gene: BirdsNest_93 Start: 66573, Stop: 66154, Start Num: 10
Candidate Starts for BirdsNest_93:
(Start: 10 @66573 has 2 MA's), (13, 66492), (23, 66363), (24, 66330), (27, 66255),

Gene: Coral_32 Start: 21794, Stop: 21354, Start Num: 8
Candidate Starts for Coral_32:

(1, 22211), (3, 22028), (6, 21887), (Start: 8 @21794 has 9 MA's), (11, 21704), (31, 21371),

Gene: Cote_34 Start: 22271, Stop: 21831, Start Num: 8
Candidate Starts for Cote_34:
(1, 22688), (3, 22505), (6, 22364), (Start: 8 @22271 has 9 MA's), (11, 22181), (31, 21848),

Gene: Cygnet_32 Start: 22555, Stop: 22169, Start Num: 10
Candidate Starts for Cygnet_32:
(Start: 10 @22555 has 2 MA's), (29, 22207),

Gene: Daob_34 Start: 22289, Stop: 21849, Start Num: 8
Candidate Starts for Daob_34:
(3, 22523), (6, 22382), (Start: 8 @22289 has 9 MA's), (11, 22199), (31, 21866),

Gene: HannahPhantana_33 Start: 21951, Stop: 21511, Start Num: 8
Candidate Starts for HannahPhantana_33:
(3, 22185), (6, 22044), (Start: 8 @21951 has 9 MA's), (11, 21861), (31, 21528),

Gene: Hortus1_71 Start: 44930, Stop: 44580, Start Num: 12
Candidate Starts for Hortus1_71:
(7, 45071), (9, 44987), (Start: 12 @44930 has 6 MA's), (14, 44903), (16, 44894), (17, 44891), (19, 44828), (20, 44804), (28, 44627), (30, 44612), (33, 44591),

Gene: Jerole_33 Start: 22074, Stop: 21634, Start Num: 8
Candidate Starts for Jerole_33:
(3, 22308), (6, 22167), (Start: 8 @22074 has 9 MA's), (11, 21984), (31, 21651),

Gene: Kepler_33 Start: 22238, Stop: 21798, Start Num: 8
Candidate Starts for Kepler_33:
(3, 22472), (6, 22331), (Start: 8 @22238 has 9 MA's), (11, 22148), (31, 21815),

Gene: Lunar_33 Start: 22122, Stop: 21499, Start Num: 4
Candidate Starts for Lunar_33:
(2, 22215), (Start: 4 @22122 has 1 MA's), (5, 22032), (Start: 8 @21939 has 9 MA's), (11, 21849), (31, 21516),

Gene: Melons_33 Start: 21939, Stop: 21499, Start Num: 8
Candidate Starts for Melons_33:
(6, 22032), (Start: 8 @21939 has 9 MA's), (11, 21849), (31, 21516),

Gene: OlinDD_71 Start: 44929, Stop: 44579, Start Num: 12
Candidate Starts for OlinDD_71:
(7, 45070), (9, 44986), (Start: 12 @44929 has 6 MA's), (14, 44902), (16, 44893), (17, 44890), (19, 44827), (20, 44803), (28, 44626), (30, 44611), (33, 44590),

Gene: PhirstandPhine_33 Start: 22082, Stop: 21642, Start Num: 8
Candidate Starts for PhirstandPhine_33:
(6, 22175), (Start: 8 @22082 has 9 MA's), (11, 21992), (31, 21659),

Gene: Pioneer3_71 Start: 44751, Stop: 44401, Start Num: 12
Candidate Starts for Pioneer3_71:
(7, 44892), (9, 44808), (Start: 12 @44751 has 6 MA's), (14, 44724), (16, 44715), (17, 44712), (19, 44649), (20, 44625), (28, 44448), (30, 44433), (33, 44412),

Gene: Platte_71 Start: 44704, Stop: 44354, Start Num: 12
Candidate Starts for Platte_71:
(9, 44761), (Start: 12 @44704 has 6 MA's), (14, 44677), (16, 44668), (17, 44665), (19, 44602), (20, 44578), (28, 44401), (30, 44386), (33, 44365),

Gene: Tandem_71 Start: 44831, Stop: 44481, Start Num: 12
Candidate Starts for Tandem_71:
(7, 44972), (9, 44888), (Start: 12 @44831 has 6 MA's), (14, 44804), (16, 44795), (17, 44792), (19, 44729), (20, 44705), (28, 44528), (30, 44513), (33, 44492),

Gene: Wolfstar_76 Start: 46237, Stop: 45881, Start Num: 12
Candidate Starts for Wolfstar_76:
(7, 46384), (9, 46300), (Start: 12 @46237 has 6 MA's), (15, 46201), (16, 46198), (18, 46171), (21, 46102), (22, 46081), (24, 46036), (25, 45997), (26, 45988), (28, 45928), (30, 45913), (32, 45904),