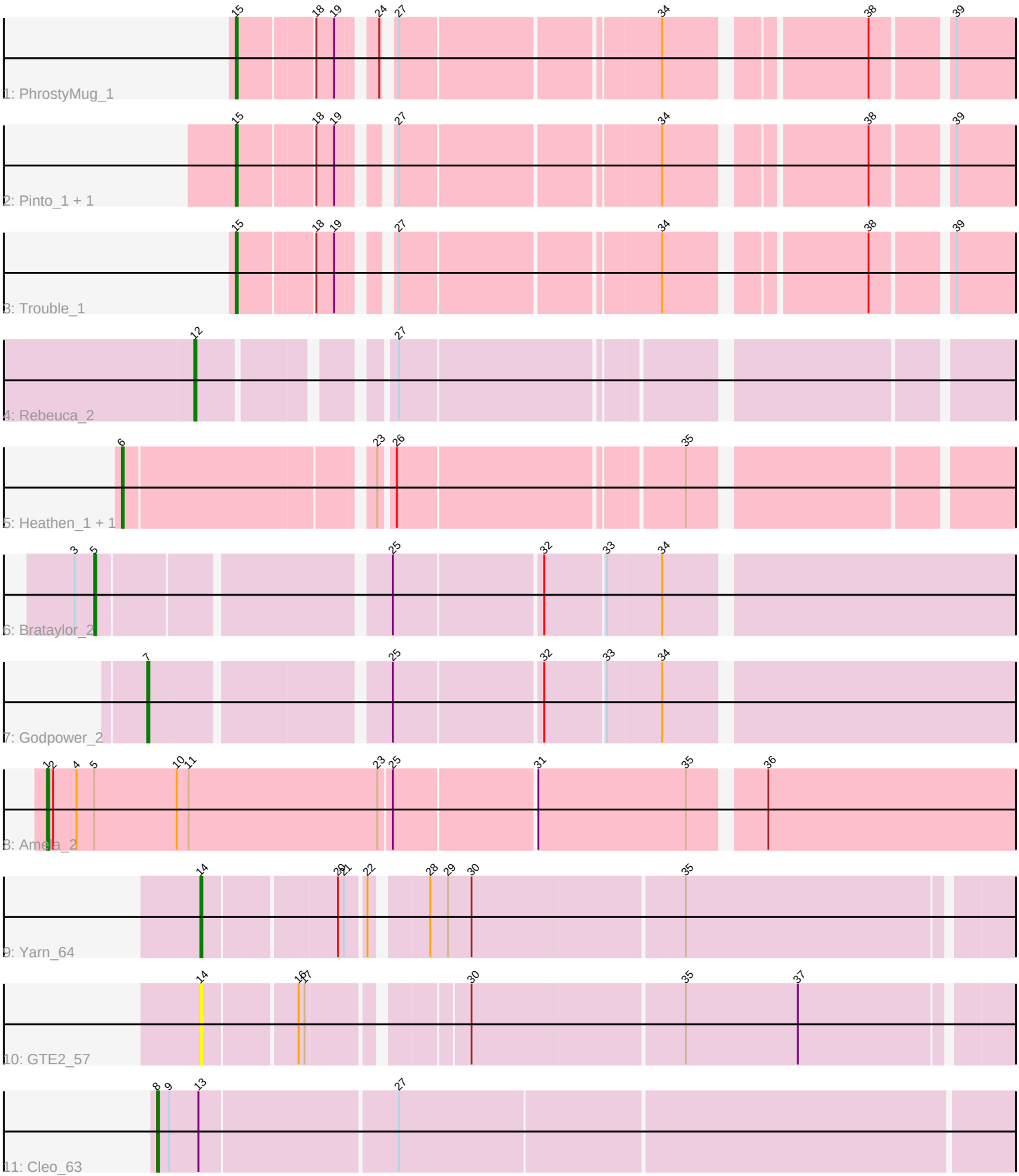
Pham 281048


15
18
19
24
27
34
38
39
1: PhrostyMug_1
15
18
19
27
34
38
39
2: Pinto_1 + 1
15
18
19
27
34
38
39
3: Trouble_1
12
27
4: Rebeuca_2
6
23
26
35
5: Heathen_1 + 1
3
5
25
32
33
34
6: Brataylor_2
7
25
32
33
34
7: Godpower_2
12
4
5
10
11
23
25
31
35
36
8: Amela_2
14
20
21
22
28
29
30
35
9: Yarn_64
14
16
17
30
35
37
10: GTE2_57
8
9
13
27
11: Cleo_63

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 281048 Report

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

Pham number 281048 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : PhrostyMug_1
• Track 2 : Pinto_1, Magnito_1
• Track 3 : Trouble_1
• Track 4 : Rebeuca_2
• Track 5 : Heathen_1, HelDan_1
• Track 6 : Brataylor_2
• Track 7 : Godpower_2
• Track 8 : Amela_2
• Track 9 : Yarn_64
• Track 10 : GTE2_57
• Track 11 : Cleo_63

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 4 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Magnito_1, PhrostyMug_1, Pinto_1, Trouble_1,

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

Genes that do not have the "Most Annotated" start:
• Amela_2, Brataylor_2, Cleo_63, GTE2_57, Godpower_2, Heathen_1, HelDan_1, Rebeuca_2, Yarn_64,

Summary by start number:

Start 1:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amela_2 (BD3),

Start 5:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Brataylor_2 (BD1),

Start 6:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Heathen_1 (A3), HelDan_1 (A3),

Start 7:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Godpower_2 (BD1),

Start 8:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cleo_63 (CT),

Start 12:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rebeuca_2 (A10),

Start 14:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GTE2_57 (CT), Yarn_64 (CT),

Start 15:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Magnito_1 (A1), PhrostyMug_1 (A1), Pinto_1 (A1), Trouble_1 (A1),

Summary by clusters:

There are 6 clusters represented in this pham: A10, A1, A3, BD1, BD3, CT,

Info for manual annotations of cluster A1:
•Start number 15 was manually annotated 4 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 12 was manually annotated 1 time for cluster A10.

Info for manual annotations of cluster A3:
•Start number 6 was manually annotated 2 times for cluster A3.

Info for manual annotations of cluster BD1:
•Start number 5 was manually annotated 1 time for cluster BD1.
•Start number 7 was manually annotated 1 time for cluster BD1.

Info for manual annotations of cluster BD3:
•Start number 1 was manually annotated 1 time for cluster BD3.

Info for manual annotations of cluster CT:
•Start number 8 was manually annotated 1 time for cluster CT.
•Start number 14 was manually annotated 1 time for cluster CT.

Gene Information:

Gene: Amela_2 Start: 787, Stop: 1275, Start Num: 1
Candidate Starts for Amela_2:
(Start: 1 @787 has 1 MA's), (2, 790), (4, 802), (Start: 5 @811 has 1 MA's), (10, 853), (11, 859), (23, 955), (25, 961), (31, 1030), (35, 1105), (36, 1138),

Gene: Brataylor_2 Start: 590, Stop: 1036, Start Num: 5
Candidate Starts for Brataylor_2:
(3, 581), (Start: 5 @590 has 1 MA's), (25, 725), (32, 797), (33, 827), (34, 854),

Gene: Cleo_63 Start: 44342, Stop: 44791, Start Num: 8
Candidate Starts for Cleo_63:
(Start: 8 @44342 has 1 MA's), (9, 44348), (13, 44363), (27, 44459),

Gene: GTE2_57 Start: 45128, Stop: 45520, Start Num: 14
Candidate Starts for GTE2_57:
(Start: 14 @45128 has 1 MA's), (16, 45173), (17, 45176), (30, 45245), (35, 45350), (37, 45407),

Gene: Godpower_2 Start: 615, Stop: 1037, Start Num: 7
Candidate Starts for Godpower_2:
(Start: 7 @615 has 1 MA's), (25, 726), (32, 798), (33, 828), (34, 855),

Gene: Heathen_1 Start: 293, Stop: 712, Start Num: 6
Candidate Starts for Heathen_1:
(Start: 6 @293 has 2 MA's), (23, 410), (26, 416), (35, 551),

Gene: HelDan_1 Start: 293, Stop: 712, Start Num: 6
Candidate Starts for HelDan_1:
(Start: 6 @293 has 2 MA's), (23, 410), (26, 416), (35, 551),

Gene: Magnito_1 Start: 535, Stop: 894, Start Num: 15
Candidate Starts for Magnito_1:
(Start: 15 @535 has 4 MA's), (18, 571), (19, 580), (27, 598), (34, 721), (38, 811), (39, 847),

Gene: PhrostyMug_1 Start: 532, Stop: 891, Start Num: 15

Candidate Starts for PhrostyMug_1:
(Start: 15 @532 has 4 MA's), (18, 568), (19, 577), (24, 592), (27, 595), (34, 718), (38, 808), (39, 844),

Gene: Pinto_1 Start: 535, Stop: 894, Start Num: 15
Candidate Starts for Pinto_1:
(Start: 15 @535 has 4 MA's), (18, 571), (19, 580), (27, 598), (34, 721), (38, 811), (39, 847),

Gene: Rebeuca_2 Start: 549, Stop: 926, Start Num: 12
Candidate Starts for Rebeuca_2:
(Start: 12 @549 has 1 MA's), (27, 630),

Gene: Trouble_1 Start: 534, Stop: 893, Start Num: 15
Candidate Starts for Trouble_1:
(Start: 15 @534 has 4 MA's), (18, 570), (19, 579), (27, 597), (34, 720), (38, 810), (39, 846),

Gene: Yarn_64 Start: 44204, Stop: 44599, Start Num: 14
Candidate Starts for Yarn_64:
(Start: 14 @44204 has 1 MA's), (20, 44267), (21, 44270), (22, 44279), (28, 44303), (29, 44312), (30, 44324), (35, 44429),