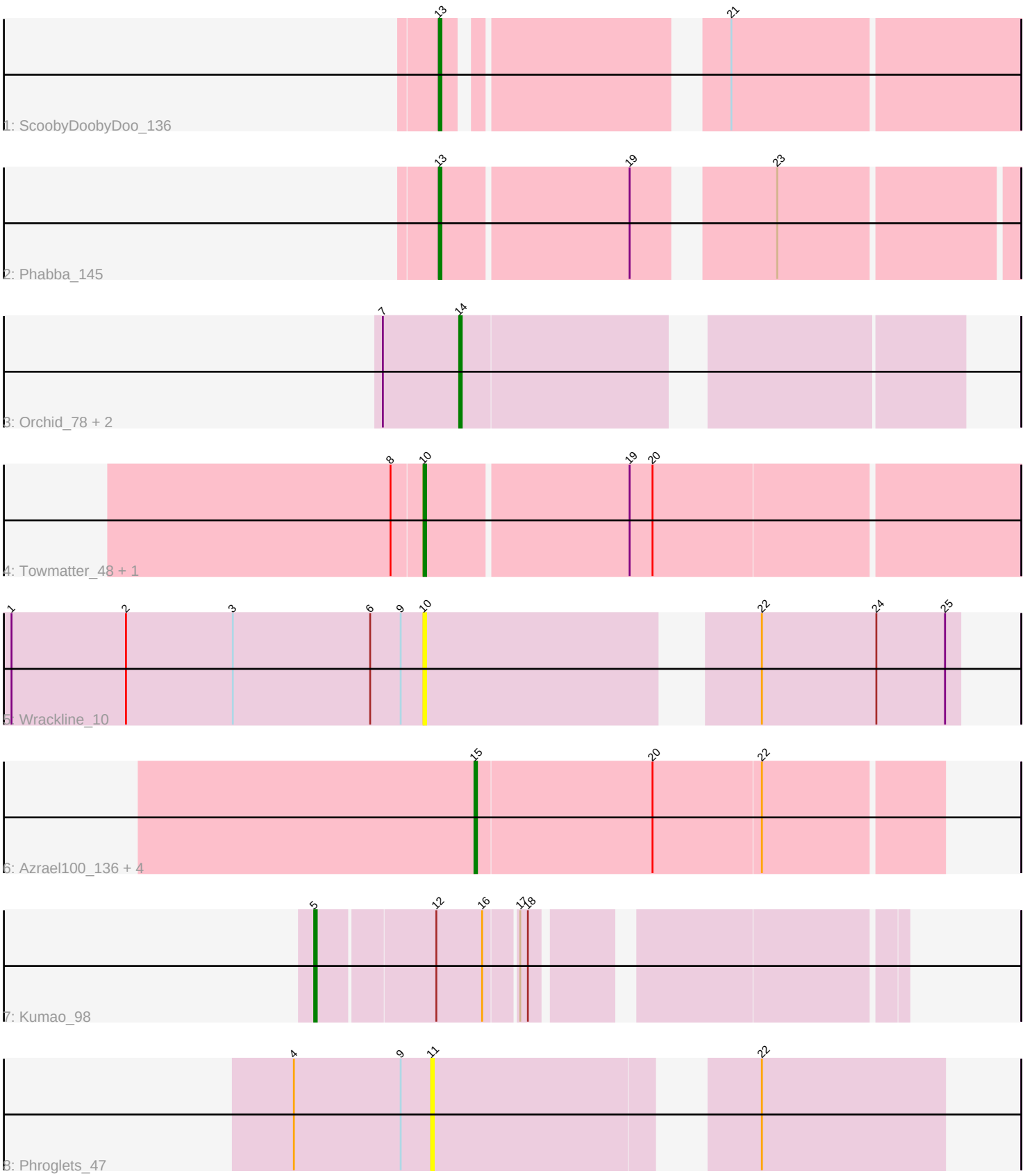
Pham 224994


13
21
1: ScoobyDoobyDoo_136
13
19
23
2: Phabba_145
7
14
3: Orchid_78 + 2
8
10
19
20
4: Towmatter_48 + 1
1
2
3
6
9
10
22
24
25
5: Wrackline_10
15
20
22
6: Azrael100_136 + 4
5
12
16
17
18
7: Kumao_98
4
9
11
22
8: Phroglets_47

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 224994 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224994 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : ScoobyDoobyDoo_136
• Track 2 : Phabba_145
• Track 3 : Orchid_78, Kampe_79, PatrickStar_79
• Track 4 : Towmatter_48, Daredevil_48
• Track 5 : Wrackline_10
• Track 6 : Azrael100_136, MaryV_129, EniyanLRS_175, Cosmo_143, Wildcat_143
• Track 7 : Kumao_98
• Track 8 : Phroglets_47

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

Genes that call this "Most Annotated" start:
• Azrael100_136, Cosmo_143, EniyanLRS_175, MaryV_129, Wildcat_143,

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

Genes that do not have the "Most Annotated" start:
• Daredevil_48, Kampe_79, Kumao_98, Orchid_78, PatrickStar_79, Phabba_145, Phroglets_47, ScoobyDoobyDoo_136, Towmatter_48, Wrackline_10,

Summary by start number:

Start 5:
• Found in 1 of 15 (6.7%) 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: Kumao_98 (singleton),

Start 10:
• Found in 3 of 15 (20.0%) 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: Daredevil_48 (DL), Towmatter_48 (DL), Wrackline_10 (GF),

Start 11:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phroglets_47 (singleton),

Start 13:
• Found in 2 of 15 (13.3%) 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: Phabba_145 (C2), ScoobyDoobyDoo_136 (C2),

Start 14:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kampe_79 (CX), Orchid_78 (CX), PatrickStar_79 (CX),

Start 15:
• Found in 5 of 15 (33.3%) of genes in pham
• Manual Annotations of this start: 5 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Azrael100_136 (V), Cosmo_143 (V), EniyanLRS_175 (V), MaryV_129 (V), Wildcat_143 (V),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, DL, GF, CX, V, C2,

Info for manual annotations of cluster C2:
•Start number 13 was manually annotated 2 times for cluster C2.

Info for manual annotations of cluster CX:
•Start number 14 was manually annotated 3 times for cluster CX.

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

Info for manual annotations of cluster V:
•Start number 15 was manually annotated 5 times for cluster V.

Gene Information:

Gene: Azrael100_136 Start: 67289, Stop: 67110, Start Num: 15
Candidate Starts for Azrael100_136:
(Start: 15 @67289 has 5 MA's), (20, 67220), (22, 67178),

Gene: Cosmo_143 Start: 67452, Stop: 67273, Start Num: 15
Candidate Starts for Cosmo_143:
(Start: 15 @67452 has 5 MA's), (20, 67383), (22, 67341),

Gene: Daredevil_48 Start: 40251, Stop: 40478, Start Num: 10
Candidate Starts for Daredevil_48:
(8, 40239), (Start: 10 @40251 has 1 MA's), (19, 40329), (20, 40338),

Gene: EniyanLRS_175 Start: 67797, Stop: 67618, Start Num: 15
Candidate Starts for EniyanLRS_175:
(Start: 15 @67797 has 5 MA's), (20, 67728), (22, 67686),

Gene: Kampe_79 Start: 59645, Stop: 59466, Start Num: 14
Candidate Starts for Kampe_79:
(7, 59675), (Start: 14 @59645 has 3 MA's),

Gene: Kumao_98 Start: 61160, Stop: 60951, Start Num: 5
Candidate Starts for Kumao_98:
(Start: 5 @61160 has 1 MA's), (12, 61115), (16, 61097), (17, 61085), (18, 61082),

Gene: MaryV_129 Start: 65640, Stop: 65461, Start Num: 15
Candidate Starts for MaryV_129:
(Start: 15 @65640 has 5 MA's), (20, 65571), (22, 65529),

Gene: Orchid_78 Start: 59646, Stop: 59467, Start Num: 14
Candidate Starts for Orchid_78:
(7, 59676), (Start: 14 @59646 has 3 MA's),

Gene: PatrickStar_79 Start: 59645, Stop: 59466, Start Num: 14
Candidate Starts for PatrickStar_79:
(7, 59675), (Start: 14 @59645 has 3 MA's),

Gene: Phabba_145 Start: 88454, Stop: 88248, Start Num: 13
Candidate Starts for Phabba_145:
(Start: 13 @88454 has 2 MA's), (19, 88382), (23, 88337),

Gene: Phroglets_47 Start: 39923, Stop: 39744, Start Num: 11
Candidate Starts for Phroglets_47:
(4, 39977), (9, 39935), (11, 39923), (22, 39815),

Gene: ScoobyDoobyDoo_136 Start: 88103, Stop: 87900, Start Num: 13
Candidate Starts for ScoobyDoobyDoo_136:
(Start: 13 @88103 has 2 MA's), (21, 88010),

Gene: Towmatter_48 Start: 40088, Stop: 40315, Start Num: 10
Candidate Starts for Towmatter_48:
(8, 40076), (Start: 10 @40088 has 1 MA's), (19, 40166), (20, 40175),

Gene: Wildcat_143 Start: 67533, Stop: 67354, Start Num: 15

Candidate Starts for Wildcat_143:
(Start: 15 @67533 has 5 MA's), (20, 67464), (22, 67422),

Gene: Wrackline_10 Start: 2288, Stop: 2479, Start Num: 10
Candidate Starts for Wrackline_10:
(1, 2126), (2, 2171), (3, 2213), (6, 2267), (9, 2279), (Start: 10 @2288 has 1 MA's), (22, 2402), (24, 2447), (25, 2474),