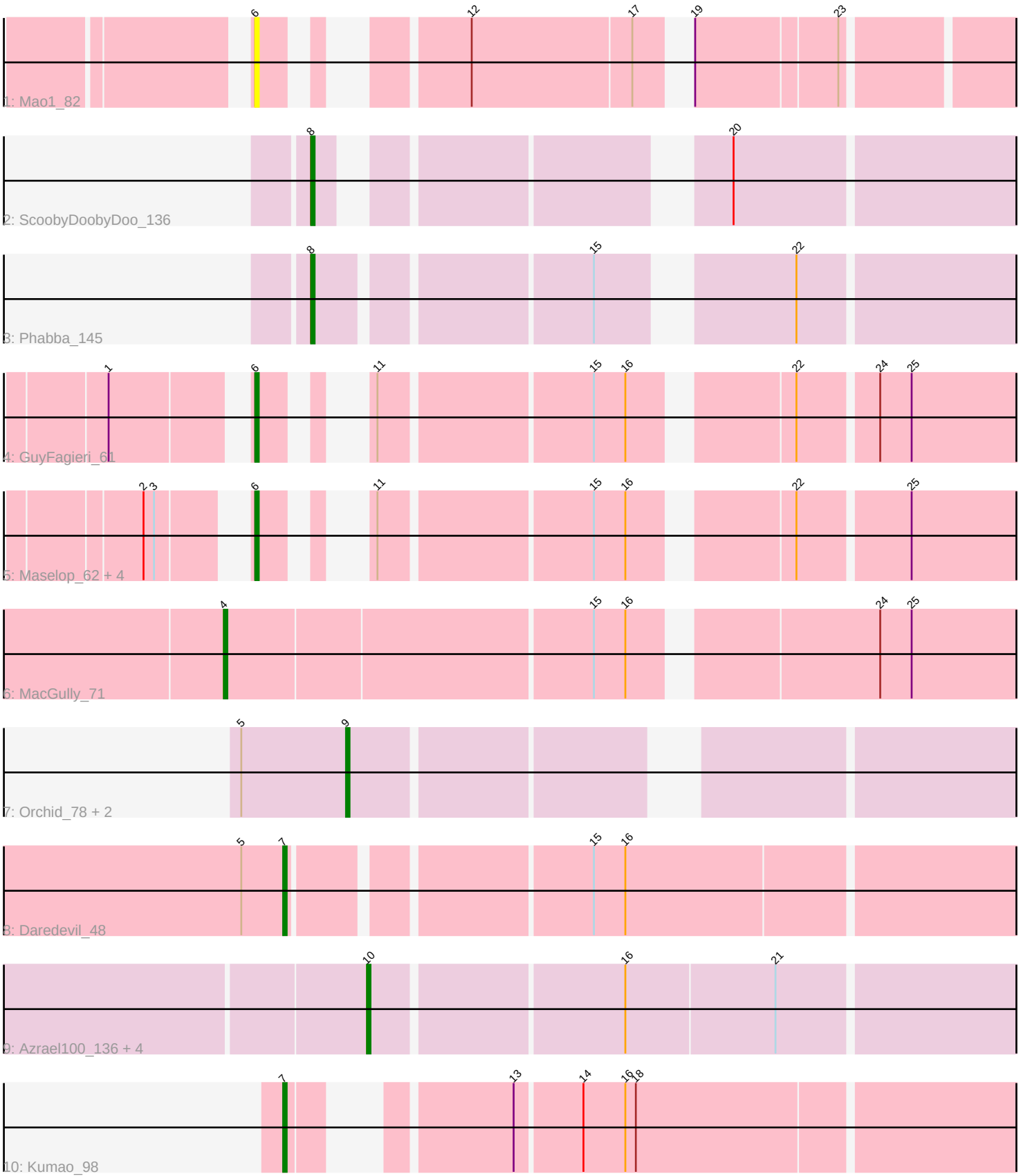
Pham 158196


6
12
17
19
23
1: Mao1_82
8
20
2: ScoobyDoobyDoo_136
8
15
22
3: Phabba_145
1
6
11
15
16
22
24
25
4: GuyFagieri_61
2
3
6
11
15
16
22
25
5: Maselop_62 + 4
4
15
16
24
25
6: MacGully_71
5
9
7: Orchid_78 + 2
5
7
15
16
8: Daredevil_48
10
16
21
9: Azrael100_136 + 4
7
13
14
16
18
10: Kumao_98

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 158196 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158196 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Mao1_82
• Track 2 : ScoobyDoobyDoo_136
• Track 3 : Phabba_145
• Track 4 : GuyFagieri_61
• Track 5 : Maselop_62, Braxoaddie_62, Apiary_62, CoffeeBean_63, Polyyuki_62
• Track 6 : MacGully_71
• Track 7 : Orchid_78, Kampe_79, PatrickStar_79
• Track 8 : Daredevil_48
• Track 9 : Azrael100_136, MaryV_129, EniyanLRS_175, Cosmo_143, Wildcat_143
• Track 10 : Kumao_98

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

The start number called the most often in the published annotations is 10, it was called in 5 of the 18 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:
• Apiary_62, Braxoaddie_62, CoffeeBean_63, Daredevil_48, GuyFagieri_61, Kampe_79, Kumao_98, MacGully_71, Mao1_82, Maselop_62, Orchid_78, PatrickStar_79, Phabba_145, Polyyuki_62, ScoobyDoobyDoo_136,

Summary by start number:

Start 4:
• Found in 1 of 20 (5.0%) 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: MacGully_71 (CR),

Start 6:
• Found in 7 of 20 (35.0%) of genes in pham
• Manual Annotations of this start: 5 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apiary_62 (CR), Braxoaddie_62 (CR), CoffeeBean_63 (CR), GuyFagieri_61 (CR), Mao1_82 (AD), Maselop_62 (CR), Polyyuki_62 (CR),

Start 7:
• Found in 2 of 20 (10.0%) 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: Daredevil_48 (DL), Kumao_98 (singleton),

Start 8:
• Found in 2 of 20 (10.0%) 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: Phabba_145 (C2), ScoobyDoobyDoo_136 (C2),

Start 9:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 3 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kampe_79 (CX), Orchid_78 (CX), PatrickStar_79 (CX),

Start 10:
• Found in 5 of 20 (25.0%) of genes in pham
• Manual Annotations of this start: 5 of 18
• 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 7 clusters represented in this pham: DL, AD, V, singleton, CX, C2, CR,

Info for manual annotations of cluster C2:
•Start number 8 was manually annotated 2 times for cluster C2.

Info for manual annotations of cluster CR:
•Start number 4 was manually annotated 1 time for cluster CR.
•Start number 6 was manually annotated 5 times for cluster CR.

Info for manual annotations of cluster CX:
•Start number 9 was manually annotated 3 times for cluster CX.

Info for manual annotations of cluster DL:

•Start number 7 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster V:
•Start number 10 was manually annotated 5 times for cluster V.

Gene Information:

Gene: Apiary_62 Start: 46584, Stop: 46390, Start Num: 6
Candidate Starts for Apiary_62:
(2, 46605), (3, 46602), (Start: 6 @46584 has 5 MA's), (11, 46569), (15, 46512), (16, 46503), (22, 46464), (25, 46434),

Gene: Azrael100_136 Start: 67289, Stop: 67110, Start Num: 10
Candidate Starts for Azrael100_136:
(Start: 10 @67289 has 5 MA's), (16, 67220), (21, 67178),

Gene: Braxoaddie_62 Start: 46573, Stop: 46379, Start Num: 6
Candidate Starts for Braxoaddie_62:
(2, 46594), (3, 46591), (Start: 6 @46573 has 5 MA's), (11, 46558), (15, 46501), (16, 46492), (22, 46453), (25, 46423),

Gene: CoffeeBean_63 Start: 46531, Stop: 46337, Start Num: 6
Candidate Starts for CoffeeBean_63:
(2, 46552), (3, 46549), (Start: 6 @46531 has 5 MA's), (11, 46516), (15, 46459), (16, 46450), (22, 46411), (25, 46381),

Gene: Cosmo_143 Start: 67452, Stop: 67273, Start Num: 10
Candidate Starts for Cosmo_143:
(Start: 10 @67452 has 5 MA's), (16, 67383), (21, 67341),

Gene: Daredevil_48 Start: 40251, Stop: 40478, Start Num: 7
Candidate Starts for Daredevil_48:
(5, 40239), (Start: 7 @40251 has 2 MA's), (15, 40329), (16, 40338),

Gene: EniyanLRS_175 Start: 67797, Stop: 67618, Start Num: 10
Candidate Starts for EniyanLRS_175:
(Start: 10 @67797 has 5 MA's), (16, 67728), (21, 67686),

Gene: GuyFagieri_61 Start: 46767, Stop: 46573, Start Num: 6
Candidate Starts for GuyFagieri_61:
(1, 46800), (Start: 6 @46767 has 5 MA's), (11, 46752), (15, 46695), (16, 46686), (22, 46647), (24, 46626), (25, 46617),

Gene: Kampe_79 Start: 59645, Stop: 59466, Start Num: 9
Candidate Starts for Kampe_79:
(5, 59675), (Start: 9 @59645 has 3 MA's),

Gene: Kumao_98 Start: 61160, Stop: 60951, Start Num: 7
Candidate Starts for Kumao_98:
(Start: 7 @61160 has 2 MA's), (13, 61115), (14, 61097), (16, 61085), (18, 61082),

Gene: MacGully_71 Start: 49770, Stop: 49540, Start Num: 4
Candidate Starts for MacGully_71:
(Start: 4 @49770 has 1 MA's), (15, 49668), (16, 49659), (24, 49596), (25, 49587),

Gene: Mao1_82 Start: 55699, Stop: 55893, Start Num: 6
Candidate Starts for Mao1_82:
(Start: 6 @55699 has 5 MA's), (12, 55738), (17, 55783), (19, 55792), (23, 55831),

Gene: MaryV_129 Start: 65640, Stop: 65461, Start Num: 10
Candidate Starts for MaryV_129:
(Start: 10 @65640 has 5 MA's), (16, 65571), (21, 65529),

Gene: Maselop_62 Start: 46607, Stop: 46413, Start Num: 6
Candidate Starts for Maselop_62:
(2, 46628), (3, 46625), (Start: 6 @46607 has 5 MA's), (11, 46592), (15, 46535), (16, 46526), (22, 46487), (25, 46457),

Gene: Orchid_78 Start: 59646, Stop: 59467, Start Num: 9
Candidate Starts for Orchid_78:
(5, 59676), (Start: 9 @59646 has 3 MA's),

Gene: PatrickStar_79 Start: 59645, Stop: 59466, Start Num: 9
Candidate Starts for PatrickStar_79:
(5, 59675), (Start: 9 @59645 has 3 MA's),

Gene: Phabba_145 Start: 88454, Stop: 88248, Start Num: 8
Candidate Starts for Phabba_145:
(Start: 8 @88454 has 2 MA's), (15, 88382), (22, 88337),

Gene: Polyyuki_62 Start: 46596, Stop: 46402, Start Num: 6
Candidate Starts for Polyyuki_62:
(2, 46617), (3, 46614), (Start: 6 @46596 has 5 MA's), (11, 46581), (15, 46524), (16, 46515), (22, 46476), (25, 46446),

Gene: ScoobyDoobyDoo_136 Start: 88103, Stop: 87900, Start Num: 8
Candidate Starts for ScoobyDoobyDoo_136:
(Start: 8 @88103 has 2 MA's), (20, 88010),

Gene: Wildcat_143 Start: 67533, Stop: 67354, Start Num: 10
Candidate Starts for Wildcat_143:
(Start: 10 @67533 has 5 MA's), (16, 67464), (21, 67422),