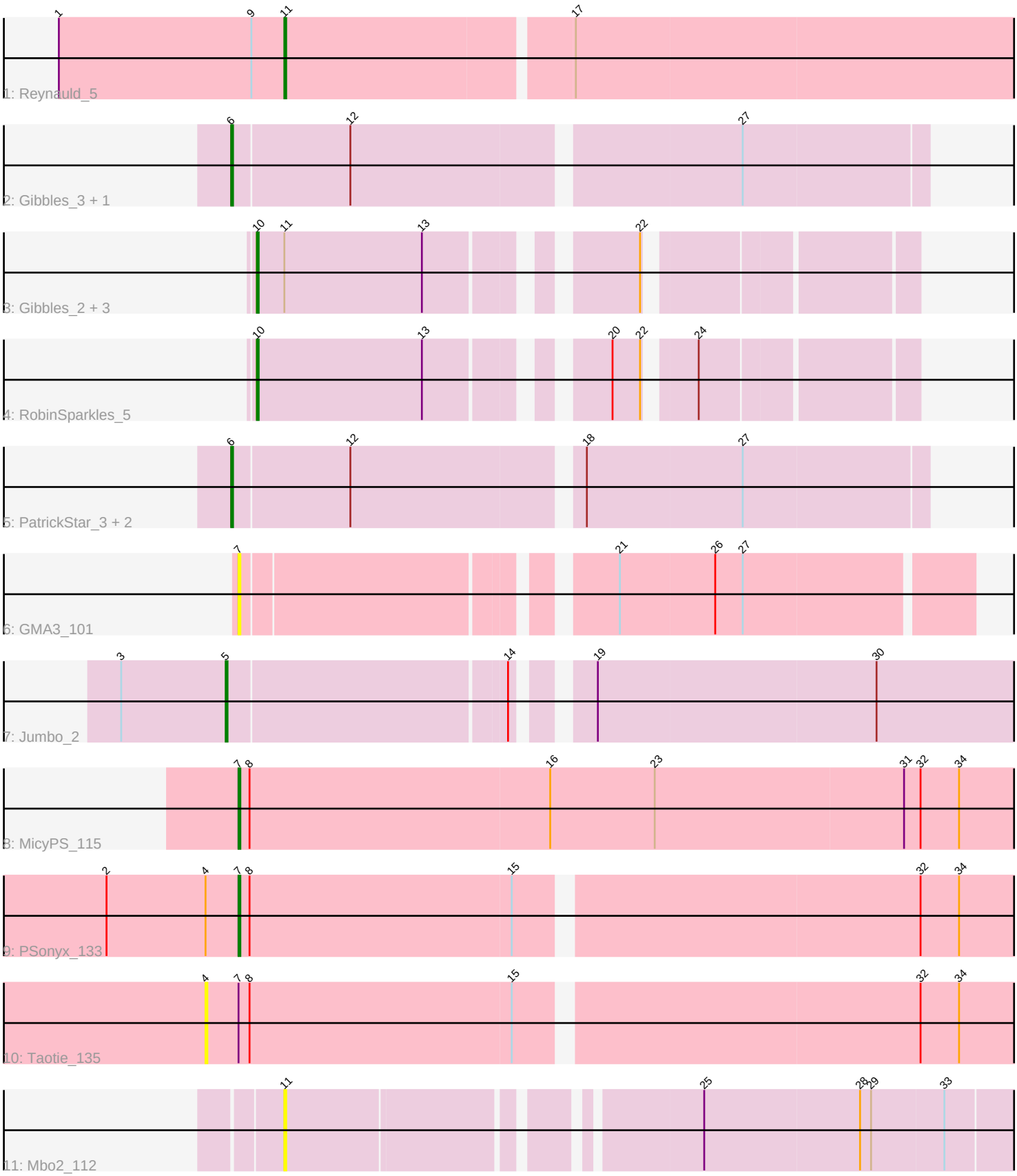
Pham 344469


1
9
11
17
1: Reynauld_5
6
12
27
2: Gibbles_3 + 1
10
11
13
22
3: Gibbles_2 + 3
10
13
20
22
24
4: RobinSparkles_5
6
12
18
27
5: PatrickStar_3 + 2
7
21
26
27
6: GMA3_101
3
5
14
19
30
7: Jumbo_2
7
8
16
23
31
32
34
8: MicyPS_115
2
4
7
8
15
32
34
9: PSonyx_133
4
7
8
15
32
34
10: Taotie_135
11
25
28
29
33
11: Mbo2_112

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 344469 Report

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

Pham number 344469 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Reynauld_5
• Track 2 : Gibbles_3, RobinSparkles_6
• Track 3 : Gibbles_2, Kampe_2, PatrickStar_2, Orchid_2
• Track 4 : RobinSparkles_5
• Track 5 : PatrickStar_3, Kampe_3, Orchid_3
• Track 6 : GMA3_101
• Track 7 : Jumbo_2
• Track 8 : MicyPS_115
• Track 9 : PSonyx_133
• Track 10 : Taotie_135
• Track 11 : Mbo2_112

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gibbles_3, Kampe_3, Orchid_3, PatrickStar_3, RobinSparkles_6,

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

Genes that do not have the "Most Annotated" start:
• GMA3_101, Gibbles_2, Jumbo_2, Kampe_2, Mbo2_112, MicyPS_115, Orchid_2, PSonyx_133, PatrickStar_2, Reynauld_5, RobinSparkles_5, Taotie_135,

Summary by start number:

Start 4:
• Found in 2 of 17 (11.8%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Taotie_135 (EQ),

Start 5:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jumbo_2 (DF3),

Start 6:
• Found in 5 of 17 (29.4%) of genes in pham
• Manual Annotations of this start: 5 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gibbles_3 (CX), Kampe_3 (CX), Orchid_3 (CX), PatrickStar_3 (CX), RobinSparkles_6 (CX),

Start 7:
• Found in 4 of 17 (23.5%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 75.0% of time when present
• Phage (with cluster) where this start called: GMA3_101 (DF2), MicyPS_115 (EQ), PSonyx_133 (EQ),

Start 10:
• Found in 5 of 17 (29.4%) of genes in pham
• Manual Annotations of this start: 5 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gibbles_2 (CX), Kampe_2 (CX), Orchid_2 (CX), PatrickStar_2 (CX), RobinSparkles_5 (CX),

Start 11:
• Found in 6 of 17 (35.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Mbo2_112 (singleton), Reynauld_5 (CH),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, CH, DF3, DF2, CX, EQ,

Info for manual annotations of cluster CH:
•Start number 11 was manually annotated 1 time for cluster CH.

Info for manual annotations of cluster CX:
•Start number 6 was manually annotated 5 times for cluster CX.
•Start number 10 was manually annotated 5 times for cluster CX.

Info for manual annotations of cluster DF3:
•Start number 5 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster EQ:
•Start number 7 was manually annotated 2 times for cluster EQ.

Gene Information:

Gene: GMA3_101 Start: 75464, Stop: 75099, Start Num: 7
Candidate Starts for GMA3_101:
(Start: 7 @75464 has 2 MA's), (21, 75284), (26, 75233), (27, 75218),

Gene: Gibbles_3 Start: 3457, Stop: 3095, Start Num: 6
Candidate Starts for Gibbles_3:
(Start: 6 @3457 has 5 MA's), (12, 3394), (27, 3193),

Gene: Gibbles_2 Start: 3095, Stop: 2781, Start Num: 10
Candidate Starts for Gibbles_2:
(Start: 10 @3095 has 5 MA's), (Start: 11 @3080 has 1 MA's), (13, 3005), (22, 2912),

Gene: Jumbo_2 Start: 3625, Stop: 3221, Start Num: 5
Candidate Starts for Jumbo_2:
(3, 3682), (Start: 5 @3625 has 1 MA's), (14, 3478), (19, 3448), (30, 3298),

Gene: Kampe_2 Start: 3094, Stop: 2780, Start Num: 10
Candidate Starts for Kampe_2:
(Start: 10 @3094 has 5 MA's), (Start: 11 @3079 has 1 MA's), (13, 3004), (22, 2911),

Gene: Kampe_3 Start: 3456, Stop: 3094, Start Num: 6
Candidate Starts for Kampe_3:
(Start: 6 @3456 has 5 MA's), (12, 3393), (18, 3276), (27, 3192),

Gene: Mbo2_112 Start: 80284, Stop: 79916, Start Num: 11
Candidate Starts for Mbo2_112:
(Start: 11 @80284 has 1 MA's), (25, 80083), (28, 79999), (29, 79993), (33, 79954),

Gene: MicyPS_115 Start: 67336, Stop: 67767, Start Num: 7
Candidate Starts for MicyPS_115:
(Start: 7 @67336 has 2 MA's), (8, 67342), (16, 67504), (23, 67561), (31, 67696), (32, 67705), (34, 67726),

Gene: Orchid_2 Start: 3094, Stop: 2780, Start Num: 10
Candidate Starts for Orchid_2:
(Start: 10 @3094 has 5 MA's), (Start: 11 @3079 has 1 MA's), (13, 3004), (22, 2911),

Gene: Orchid_3 Start: 3456, Stop: 3094, Start Num: 6
Candidate Starts for Orchid_3:
(Start: 6 @3456 has 5 MA's), (12, 3393), (18, 3276), (27, 3192),

Gene: PSonyx_133 Start: 70615, Stop: 71034, Start Num: 7
Candidate Starts for PSonyx_133:
(2, 70543), (4, 70597), (Start: 7 @70615 has 2 MA's), (8, 70621), (15, 70762), (32, 70972), (34, 70993),

Gene: PatrickStar_2 Start: 3094, Stop: 2780, Start Num: 10
Candidate Starts for PatrickStar_2:
(Start: 10 @3094 has 5 MA's), (Start: 11 @3079 has 1 MA's), (13, 3004), (22, 2911),

Gene: PatrickStar_3 Start: 3456, Stop: 3094, Start Num: 6
Candidate Starts for PatrickStar_3:
(Start: 6 @3456 has 5 MA's), (12, 3393), (18, 3276), (27, 3192),

Gene: Reynauld_5 Start: 4276, Stop: 3887, Start Num: 11
Candidate Starts for Reynauld_5:
(1, 4399), (9, 4294), (Start: 11 @4276 has 1 MA's), (17, 4126),

Gene: RobinSparkles_6 Start: 3753, Stop: 3391, Start Num: 6
Candidate Starts for RobinSparkles_6:
(Start: 6 @3753 has 5 MA's), (12, 3690), (27, 3489),

Gene: RobinSparkles_5 Start: 3391, Stop: 3077, Start Num: 10
Candidate Starts for RobinSparkles_5:
(Start: 10 @3391 has 5 MA's), (13, 3301), (20, 3223), (22, 3208), (24, 3187),

Gene: Taotie_135 Start: 69393, Stop: 69830, Start Num: 4
Candidate Starts for Taotie_135:
(4, 69393), (Start: 7 @69411 has 2 MA's), (8, 69417), (15, 69558), (32, 69768), (34, 69789),