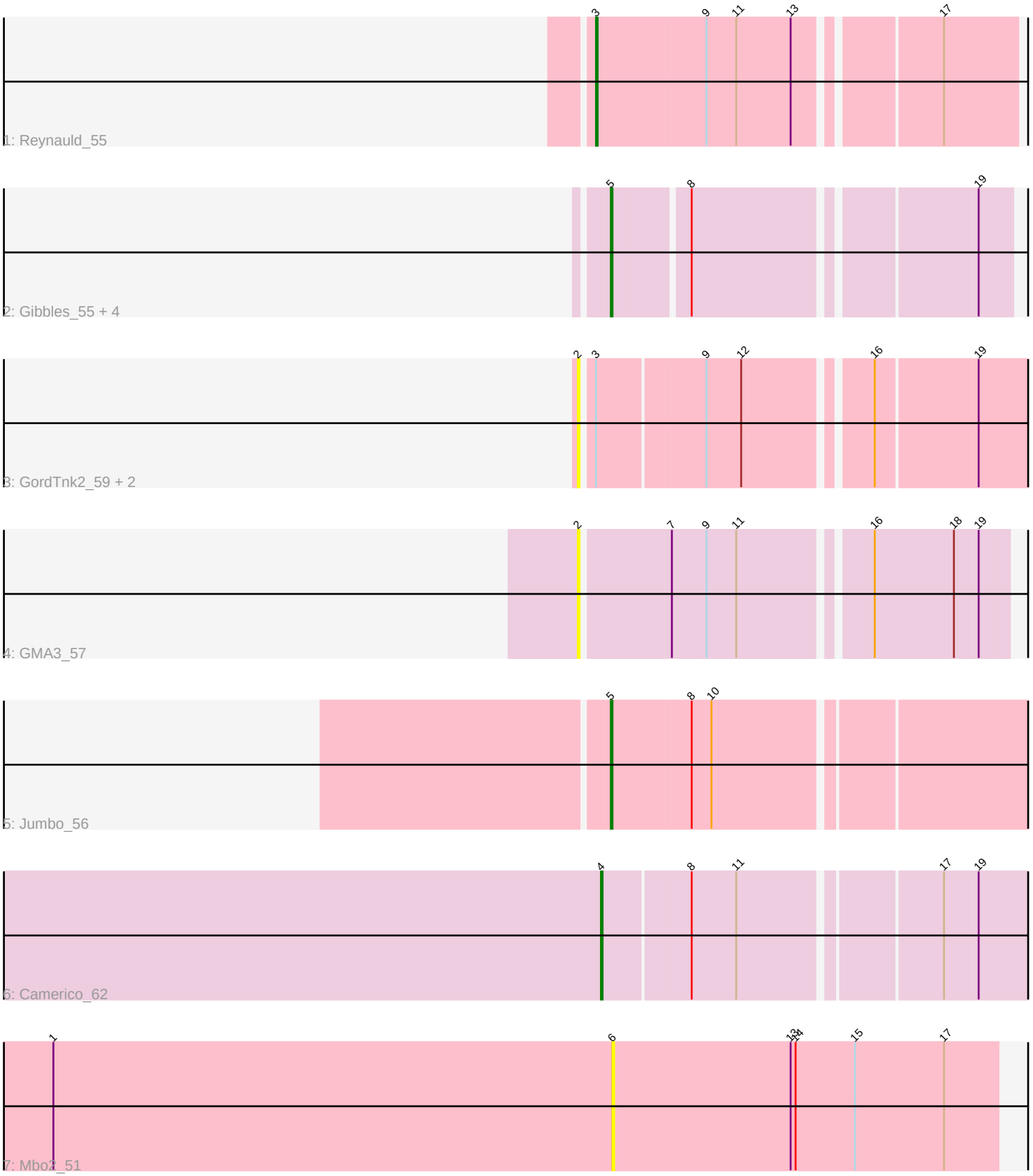
Pham 348174


3
9
11
13
17
1: Reynauld_55
5
8
19
2: Gibbles_55 + 4
2
3
9
12
16
19
3: GordTnk2_59 + 2
2
7
9
11
16
18
19
4: GMA3_57
5
8
10
5: Jumbo_56
4
8
11
17
19
6: Camerico_62
1
6
13
14
15
17
7: Mbo2_51

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 348174 Report

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

Pham number 348174 has 13 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Reynauld_55
• Track 2 : Gibbles_55, PatrickStar_57, Orchid_56, RobinSparkles_60, Kampe_57
• Track 3 : GordTnk2_59, Gmala1_54, GordDuk1_58
• Track 4 : GMA3_57
• Track 5 : Jumbo_56
• Track 6 : Camerico_62
• Track 7 : Mbo2_51

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gibbles_55, Jumbo_56, Kampe_57, Orchid_56, PatrickStar_57, RobinSparkles_60,

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

Genes that do not have the "Most Annotated" start:
• Camerico_62, GMA3_57, Gmala1_54, GordDuk1_58, GordTnk2_59, Mbo2_51, Reynauld_55,

Summary by start number:

Start 2:
• Found in 4 of 13 (30.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA3_57 (DF2), Gmala1_54 (DF1), GordDuk1_58 (DF1), GordTnk2_59 (DF1),

Start 3:
• Found in 4 of 13 (30.8%) of genes in pham

• Manual Annotations of this start: 1 of 8
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Reynauld_55 (CH),

Start 4:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Camerico_62 (DF4),

Start 5:
• Found in 6 of 13 (46.2%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gibbles_55 (CX), Jumbo_56 (DF3), Kampe_57 (CX), Orchid_56 (CX), PatrickStar_57 (CX), RobinSparkles_60 (CX),

Start 6:
• Found in 1 of 13 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mbo2_51 (singleton),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, CH, DF4, DF1, DF3, DF2, CX,

Info for manual annotations of cluster CH:
•Start number 3 was manually annotated 1 time for cluster CH.

Info for manual annotations of cluster CX:
•Start number 5 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 DF4:
•Start number 4 was manually annotated 1 time for cluster DF4.

Gene Information:

Gene: Camerico_62 Start: 53237, Stop: 52989, Start Num: 4
Candidate Starts for Camerico_62:
(Start: 4 @53237 has 1 MA's), (8, 53186), (11, 53159), (17, 53045), (19, 53024),

Gene: GMA3_57 Start: 49348, Stop: 49106, Start Num: 2
Candidate Starts for GMA3_57:
(2, 49348), (7, 49297), (9, 49276), (11, 49258), (16, 49186), (18, 49138), (19, 49123),

Gene: Gibbles_55 Start: 48960, Stop: 48739, Start Num: 5
Candidate Starts for Gibbles_55:
(Start: 5 @48960 has 6 MA's), (8, 48918), (19, 48759),

Gene: Gmala1_54 Start: 47074, Stop: 46817, Start Num: 2
Candidate Starts for Gmala1_54:
(2, 47074), (Start: 3 @47068 has 1 MA's), (9, 47005), (12, 46984), (16, 46915), (19, 46855),

Gene: GordDuk1_58 Start: 47638, Stop: 47381, Start Num: 2
Candidate Starts for GordDuk1_58:
(2, 47638), (Start: 3 @47632 has 1 MA's), (9, 47569), (12, 47548), (16, 47479), (19, 47419),

Gene: GordTnk2_59 Start: 47792, Stop: 47535, Start Num: 2
Candidate Starts for GordTnk2_59:
(2, 47792), (Start: 3 @47786 has 1 MA's), (9, 47723), (12, 47702), (16, 47633), (19, 47573),

Gene: Jumbo_56 Start: 51745, Stop: 51482, Start Num: 5
Candidate Starts for Jumbo_56:
(Start: 5 @51745 has 6 MA's), (8, 51697), (10, 51685),

Gene: Kampe_57 Start: 48938, Stop: 48717, Start Num: 5
Candidate Starts for Kampe_57:
(Start: 5 @48938 has 6 MA's), (8, 48896), (19, 48737),

Gene: Mbo2_51 Start: 41438, Stop: 41205, Start Num: 6
Candidate Starts for Mbo2_51:
(1, 41777), (6, 41438), (13, 41330), (14, 41327), (15, 41291), (17, 41237),

Gene: Orchid_56 Start: 48939, Stop: 48718, Start Num: 5
Candidate Starts for Orchid_56:
(Start: 5 @48939 has 6 MA's), (8, 48897), (19, 48738),

Gene: PatrickStar_57 Start: 48938, Stop: 48717, Start Num: 5
Candidate Starts for PatrickStar_57:
(Start: 5 @48938 has 6 MA's), (8, 48896), (19, 48737),

Gene: Reynauld_55 Start: 49186, Stop: 48947, Start Num: 3
Candidate Starts for Reynauld_55:
(Start: 3 @49186 has 1 MA's), (9, 49120), (11, 49102), (13, 49069), (17, 48991),

Gene: RobinSparkles_60 Start: 49491, Stop: 49270, Start Num: 5
Candidate Starts for RobinSparkles_60:
(Start: 5 @49491 has 6 MA's), (8, 49449), (19, 49290),