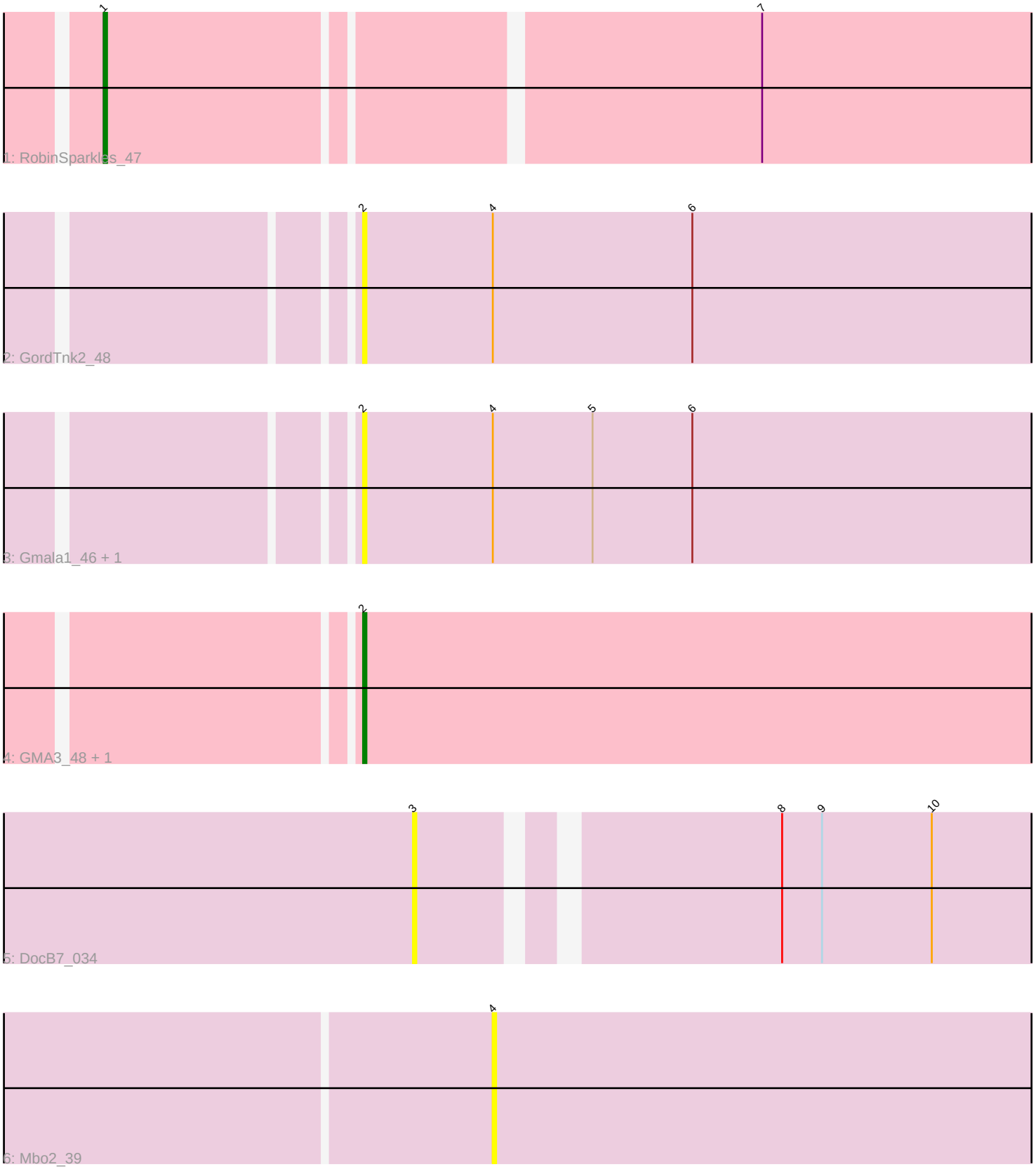
Pham 207522


1
7
1: RobinSparkles_47
2
4
6
2: GordTnk2_48
2
4
5
6
3: Gmala1_46 + 1
2
4: GMA3_48 + 1
3
8
9
10
5: DocB7_034
4
6: Mbo2_39

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 207522 Report

This analysis was run 02/22/25 on database version 588.

Pham number 207522 has 8 members, 6 are drafts.

Phages represented in each track:
• Track 1 : RobinSparkles_47
• Track 2 : GordTnk2_48
• Track 3 : Gmala1_46, GordDuk1_47
• Track 4 : GMA3_48, Jumbo_47
• Track 5 : DocB7_034
• Track 6 : Mbo2_39

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

The start number called the most often in the published annotations is 2, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• GMA3_48, Gmala1_46, GordDuk1_47, GordTnk2_48, Jumbo_47,

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

Genes that do not have the "Most Annotated" start:
• DocB7_034, Mbo2_39, RobinSparkles_47,

Summary by start number:

Start 1:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RobinSparkles_47 (CX),

Start 2:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present

• Phage (with cluster) where this start called: GMA3_48 (DF2), Gmala1_46 (DF1), GordDuk1_47 (DF1), GordTnk2_48 (DF1), Jumbo_47 (DF3),

Start 3:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DocB7_034 (singleton),

Start 4:
• Found in 4 of 8 (50.0%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Mbo2_39 (singleton),

Summary by clusters:

There are 5 clusters represented in this pham: singleton, CX, DF1, DF3, DF2,

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

Info for manual annotations of cluster DF3:
•Start number 2 was manually annotated 1 time for cluster DF3.

Gene Information:

Gene: DocB7_034 Start: 36428, Stop: 36228, Start Num: 3
Candidate Starts for DocB7_034:
(3, 36428), (8, 36332), (9, 36320), (10, 36287),

Gene: GMA3_48 Start: 45185, Stop: 44973, Start Num: 2
Candidate Starts for GMA3_48:
(Start: 2 @45185 has 1 MA's),

Gene: Gmala1_46 Start: 43387, Stop: 43169, Start Num: 2
Candidate Starts for Gmala1_46:
(Start: 2 @43387 has 1 MA's), (4, 43348), (5, 43318), (6, 43288),

Gene: GordDuk1_47 Start: 43538, Stop: 43320, Start Num: 2
Candidate Starts for GordDuk1_47:
(Start: 2 @43538 has 1 MA's), (4, 43499), (5, 43469), (6, 43439),

Gene: GordTnk2_48 Start: 43692, Stop: 43468, Start Num: 2
Candidate Starts for GordTnk2_48:
(Start: 2 @43692 has 1 MA's), (4, 43653), (6, 43593),

Gene: Jumbo_47 Start: 48027, Stop: 47818, Start Num: 2
Candidate Starts for Jumbo_47:

(Start: 2 @48027 has 1 MA's),

Gene: Mbo2_39 Start: 36317, Stop: 36114, Start Num: 4
Candidate Starts for Mbo2_39:
(4, 36317),

Gene: RobinSparkles_47 Start: 44442, Stop: 44158, Start Num: 1
Candidate Starts for RobinSparkles_47:
(Start: 1 @44442 has 1 MA's), (7, 44256),