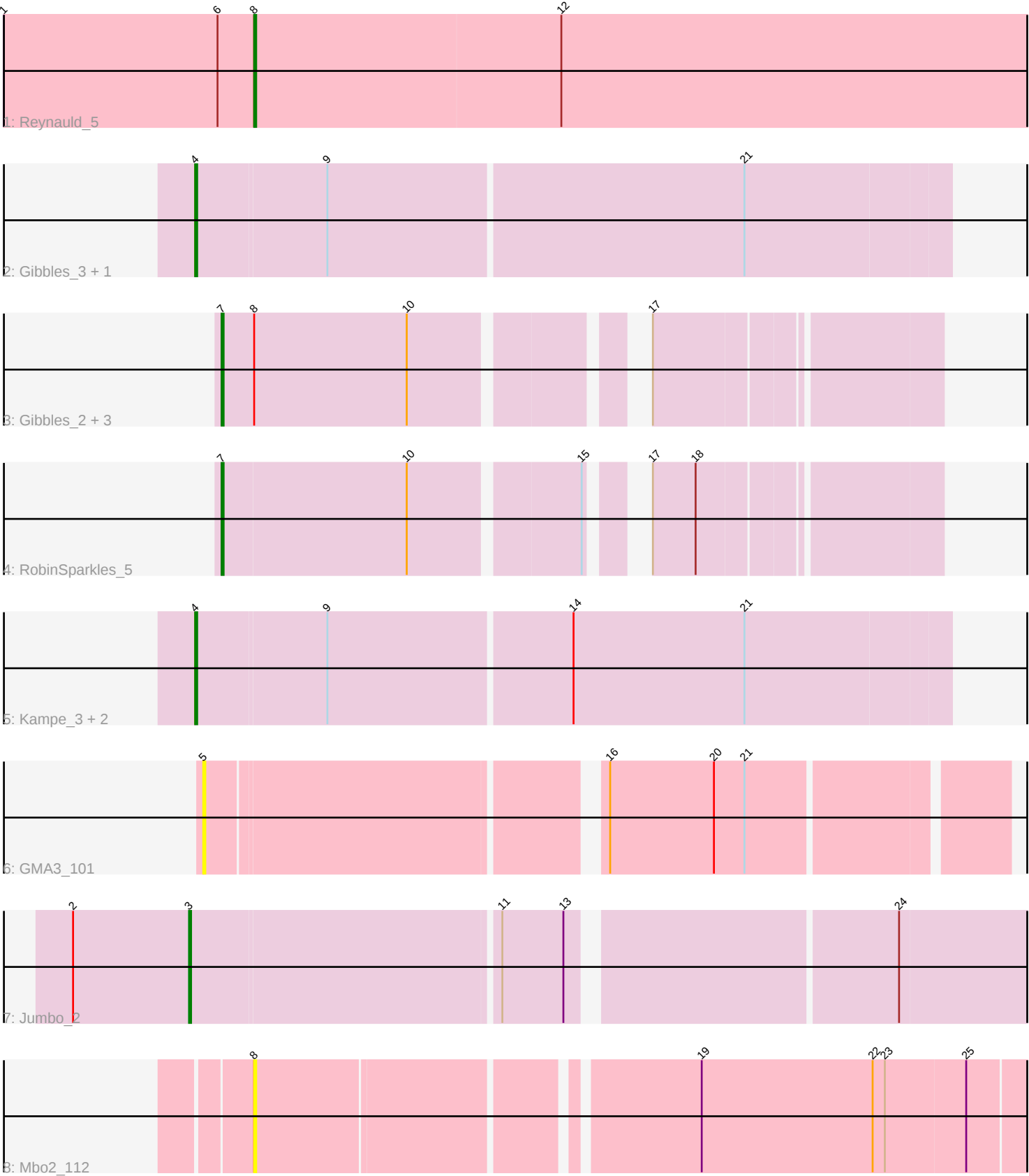


Pham 331380



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 331380 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331380 has 14 members, 2 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 : Kampe_3, PatrickStar_3, Orchid_3
- Track 6 : GMA3_101
- Track 7 : Jumbo_2
- Track 8 : 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 7, it was called in 5 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gibbles_2, Kampe_2, Orchid_2, PatrickStar_2, RobinSparkles_5,

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

•

Genes that do not have the "Most Annotated" start:

- GMA3_101, Gibbles_3, Jumbo_2, Kampe_3, Mbo2_112, Orchid_3, PatrickStar_3, Reynauld_5, RobinSparkles_6,

Summary by start number:

Start 3:

- Found in 1 of 14 (7.1%) 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: Jumbo_2 (DF3),

Start 4:

- Found in 5 of 14 (35.7%) 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: Gibbles_3 (CX), Kampe_3 (CX), Orchid_3 (CX), PatrickStar_3 (CX), RobinSparkles_6 (CX),

Start 5:

- Found in 1 of 14 (7.1%) 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_101 (DF2),

Start 7:

- Found in 5 of 14 (35.7%) 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: Gibbles_2 (CX), Kampe_2 (CX), Orchid_2 (CX), PatrickStar_2 (CX), RobinSparkles_5 (CX),

Start 8:

- Found in 6 of 14 (42.9%) of genes in pham
- Manual Annotations of this start: 1 of 12
- 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 5 clusters represented in this pham: CH, CX, singleton, DF3, DF2,

Info for manual annotations of cluster CH:

- Start number 8 was manually annotated 1 time for cluster CH.

Info for manual annotations of cluster CX:

- Start number 4 was manually annotated 5 times for cluster CX.
- Start number 7 was manually annotated 5 times for cluster CX.

Info for manual annotations of cluster DF3:

- Start number 3 was manually annotated 1 time for cluster DF3.

Gene Information:

Gene: GMA3_101 Start: 75464, Stop: 75099, Start Num: 5

Candidate Starts for GMA3_101:

(5, 75464), (16, 75284), (20, 75233), (21, 75218),

Gene: Gibbles_3 Start: 3457, Stop: 3095, Start Num: 4

Candidate Starts for Gibbles_3:

(Start: 4 @3457 has 5 MA's), (9, 3394), (21, 3193),

Gene: Gibbles_2 Start: 3095, Stop: 2781, Start Num: 7

Candidate Starts for Gibbles_2:

(Start: 7 @3095 has 5 MA's), (Start: 8 @3080 has 1 MA's), (10, 3005), (17, 2912),

Gene: Jumbo_2 Start: 3625, Stop: 3221, Start Num: 3

Candidate Starts for Jumbo_2:

(2, 3682), (Start: 3 @3625 has 1 MA's), (11, 3478), (13, 3448), (24, 3298),

Gene: Kampe_3 Start: 3456, Stop: 3094, Start Num: 4

Candidate Starts for Kampe_3:

(Start: 4 @3456 has 5 MA's), (9, 3393), (14, 3276), (21, 3192),

Gene: Kampe_2 Start: 3094, Stop: 2780, Start Num: 7

Candidate Starts for Kampe_2:

(Start: 7 @3094 has 5 MA's), (Start: 8 @3079 has 1 MA's), (10, 3004), (17, 2911),

Gene: Mbo2_112 Start: 80284, Stop: 79916, Start Num: 8

Candidate Starts for Mbo2_112:

(Start: 8 @80284 has 1 MA's), (19, 80083), (22, 79999), (23, 79993), (25, 79954),

Gene: Orchid_2 Start: 3094, Stop: 2780, Start Num: 7

Candidate Starts for Orchid_2:

(Start: 7 @3094 has 5 MA's), (Start: 8 @3079 has 1 MA's), (10, 3004), (17, 2911),

Gene: Orchid_3 Start: 3456, Stop: 3094, Start Num: 4

Candidate Starts for Orchid_3:

(Start: 4 @3456 has 5 MA's), (9, 3393), (14, 3276), (21, 3192),

Gene: PatrickStar_3 Start: 3456, Stop: 3094, Start Num: 4

Candidate Starts for PatrickStar_3:

(Start: 4 @3456 has 5 MA's), (9, 3393), (14, 3276), (21, 3192),

Gene: PatrickStar_2 Start: 3094, Stop: 2780, Start Num: 7

Candidate Starts for PatrickStar_2:

(Start: 7 @3094 has 5 MA's), (Start: 8 @3079 has 1 MA's), (10, 3004), (17, 2911),

Gene: Reynauld_5 Start: 4276, Stop: 3887, Start Num: 8

Candidate Starts for Reynauld_5:

(1, 4399), (6, 4294), (Start: 8 @4276 has 1 MA's), (12, 4126),

Gene: RobinSparkles_6 Start: 3753, Stop: 3391, Start Num: 4

Candidate Starts for RobinSparkles_6:

(Start: 4 @3753 has 5 MA's), (9, 3690), (21, 3489),

Gene: RobinSparkles_5 Start: 3391, Stop: 3077, Start Num: 7

Candidate Starts for RobinSparkles_5:

(Start: 7 @3391 has 5 MA's), (10, 3301), (15, 3223), (17, 3208), (18, 3187),