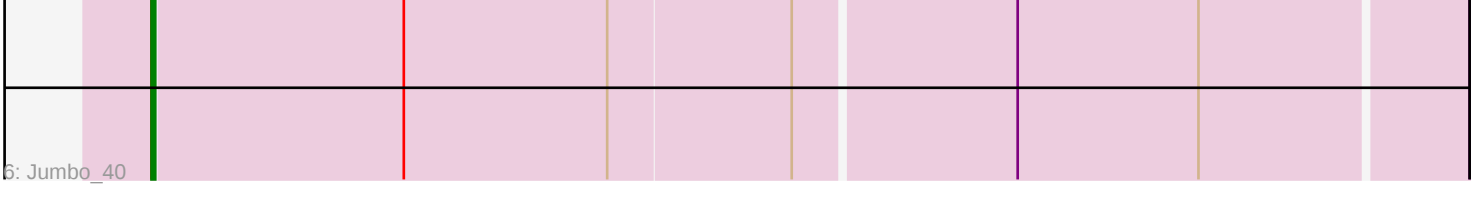
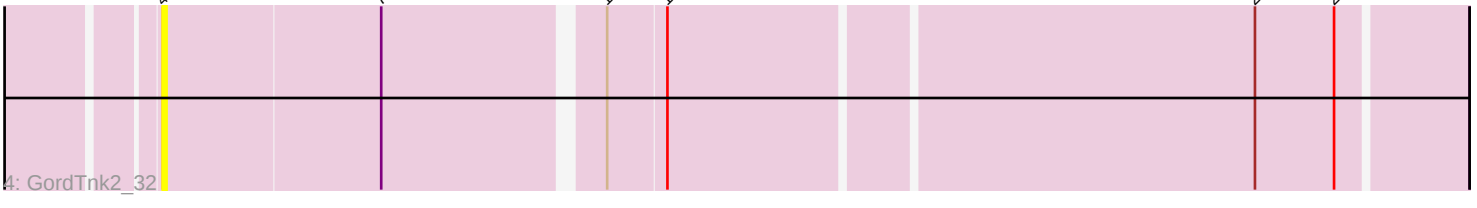
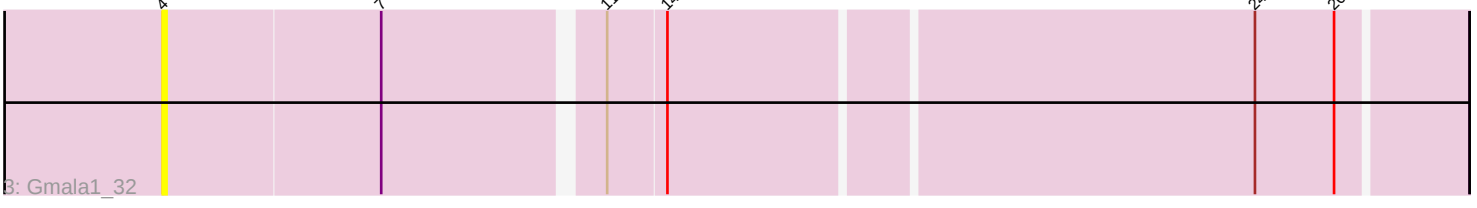
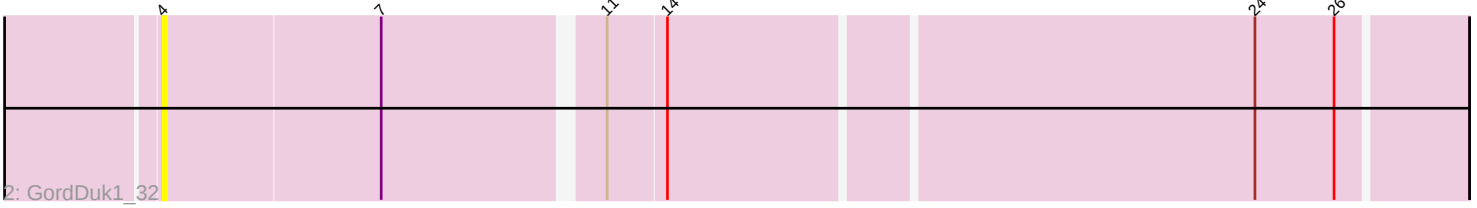
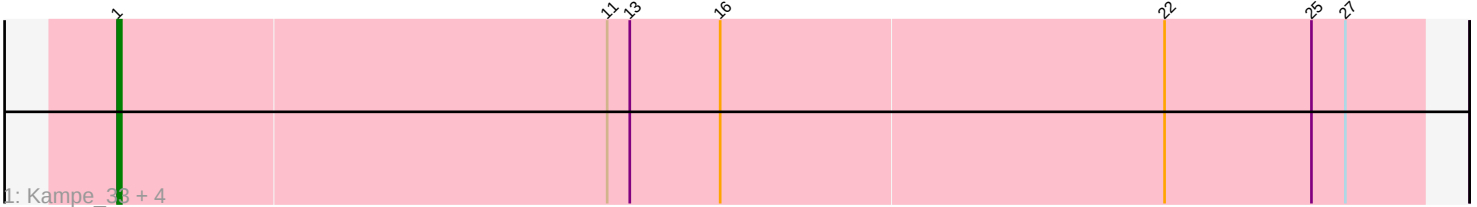


Pham 309734



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 309734 Report

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

Pham number 309734 has 11 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Kampe_33, RobinSparkles_36, Gibbles_32, PatrickStar_33, Orchid_33
- Track 2 : GordDuk1_32
- Track 3 : Gmala1_32
- Track 4 : GordTnk2_32
- Track 5 : GMA3_31
- Track 6 : Jumbo_40
- Track 7 : Camerico_43

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gibbles_32, Kampe_33, Orchid_33, PatrickStar_33, RobinSparkles_36,

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

-

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

- Camerico_43, GMA3_31, Gmala1_32, GordDuk1_32, GordTnk2_32, Jumbo_40,

Summary by start number:

Start 1:

- Found in 5 of 11 (45.5%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gibbles_32 (CX), Kampe_33 (CX), Orchid_33 (CX), PatrickStar_33 (CX), RobinSparkles_36 (CX),

Start 2:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 7

- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA3_31 (DF2), Jumbo_40 (DF3),

Start 3:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Camerico_43 (DF4),

Start 4:

- Found in 3 of 11 (27.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gmala1_32 (DF1), GordDuk1_32 (DF1), GordTnk2_32 (DF1),

Summary by clusters:

There are 5 clusters represented in this pham: DF4, CX, DF1, DF3, DF2,

Info for manual annotations of cluster CX:

- Start number 1 was manually annotated 5 times for cluster CX.

Info for manual annotations of cluster DF3:

- Start number 2 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DF4:

- Start number 3 was manually annotated 1 time for cluster DF4.

Gene Information:

Gene: Camerico_43 Start: 44563, Stop: 44898, Start Num: 3

Candidate Starts for Camerico_43:

(Start: 3 @44563 has 1 MA's), (6, 44602), (9, 44650), (12, 44677), (18, 44743), (20, 44797), (26, 44866), (28, 44884),

Gene: GMA3_31 Start: 38249, Stop: 38593, Start Num: 2

Candidate Starts for GMA3_31:

(Start: 2 @38249 has 1 MA's), (5, 38282), (10, 38363), (11, 38366), (15, 38384), (21, 38495), (29, 38582),

Gene: Gibbles_32 Start: 36623, Stop: 36967, Start Num: 1

Candidate Starts for Gibbles_32:

(Start: 1 @36623 has 5 MA's), (11, 36752), (13, 36758), (16, 36782), (22, 36899), (25, 36938), (27, 36947),

Gene: Gmala1_32 Start: 36897, Stop: 37226, Start Num: 4

Candidate Starts for Gmala1_32:

(4, 36897), (7, 36954), (11, 37008), (14, 37023), (24, 37173), (26, 37194),

Gene: GordDuk1_32 Start: 36838, Stop: 37167, Start Num: 4

Candidate Starts for GordDuk1_32:

(4, 36838), (7, 36895), (11, 36949), (14, 36964), (24, 37114), (26, 37135),

Gene: GordTnk2_32 Start: 36804, Stop: 37133, Start Num: 4

Candidate Starts for GordTnk2_32:

(4, 36804), (7, 36861), (11, 36915), (14, 36930), (24, 37080), (26, 37101),

Gene: Jumbo_40 Start: 43587, Stop: 43928, Start Num: 2

Candidate Starts for Jumbo_40:

(Start: 2 @43587 has 1 MA's), (8, 43653), (11, 43707), (17, 43755), (19, 43812), (23, 43860),

Gene: Kampe_33 Start: 36484, Stop: 36828, Start Num: 1

Candidate Starts for Kampe_33:

(Start: 1 @36484 has 5 MA's), (11, 36613), (13, 36619), (16, 36643), (22, 36760), (25, 36799), (27, 36808),

Gene: Orchid_33 Start: 36484, Stop: 36828, Start Num: 1

Candidate Starts for Orchid_33:

(Start: 1 @36484 has 5 MA's), (11, 36613), (13, 36619), (16, 36643), (22, 36760), (25, 36799), (27, 36808),

Gene: PatrickStar_33 Start: 36484, Stop: 36828, Start Num: 1

Candidate Starts for PatrickStar_33:

(Start: 1 @36484 has 5 MA's), (11, 36613), (13, 36619), (16, 36643), (22, 36760), (25, 36799), (27, 36808),

Gene: RobinSparkles_36 Start: 37401, Stop: 37745, Start Num: 1

Candidate Starts for RobinSparkles_36:

(Start: 1 @37401 has 5 MA's), (11, 37530), (13, 37536), (16, 37560), (22, 37677), (25, 37716), (27, 37725),