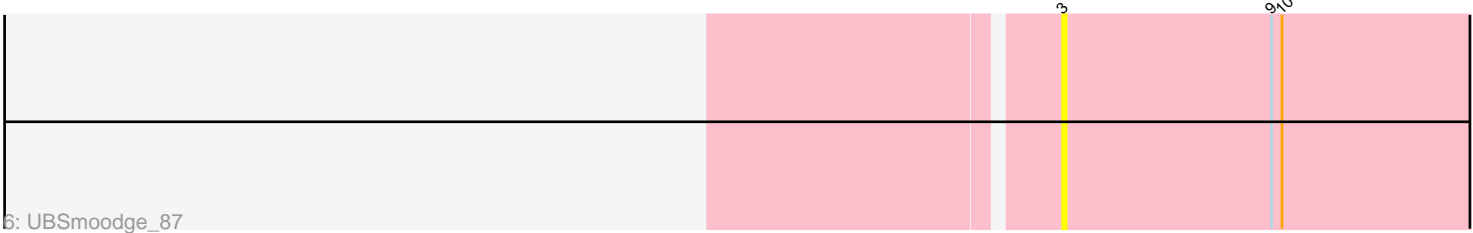
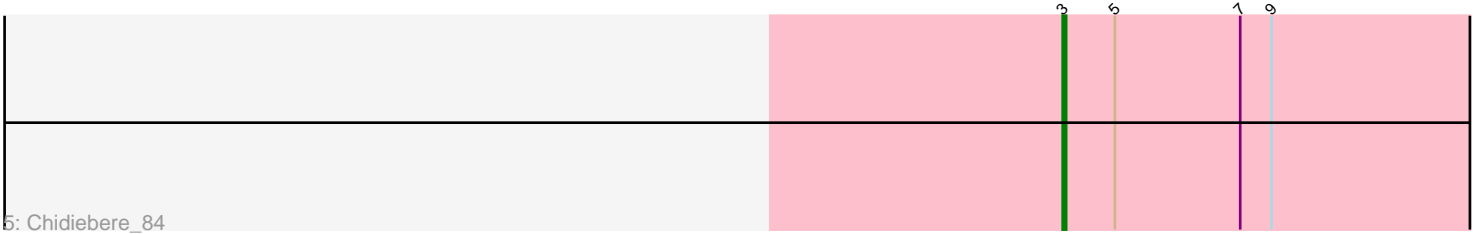
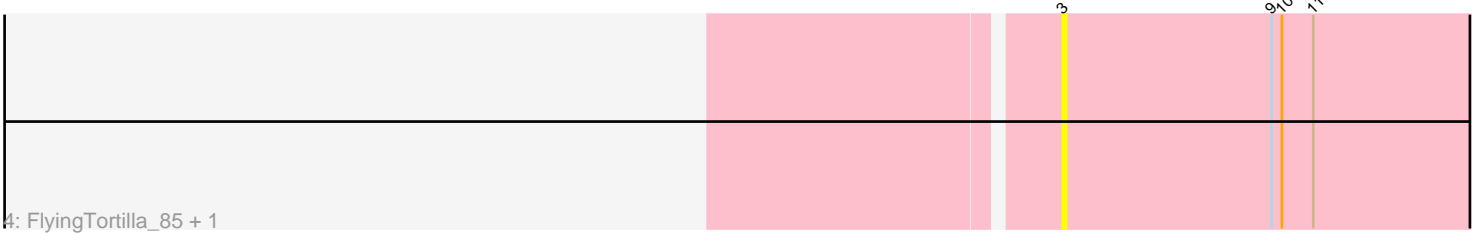
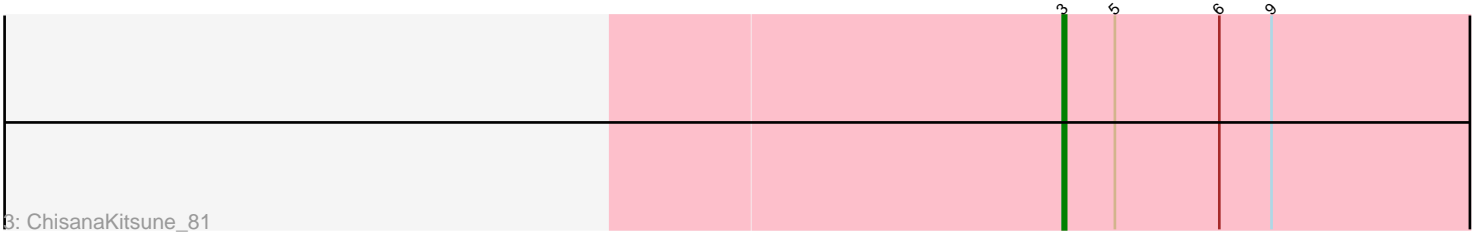
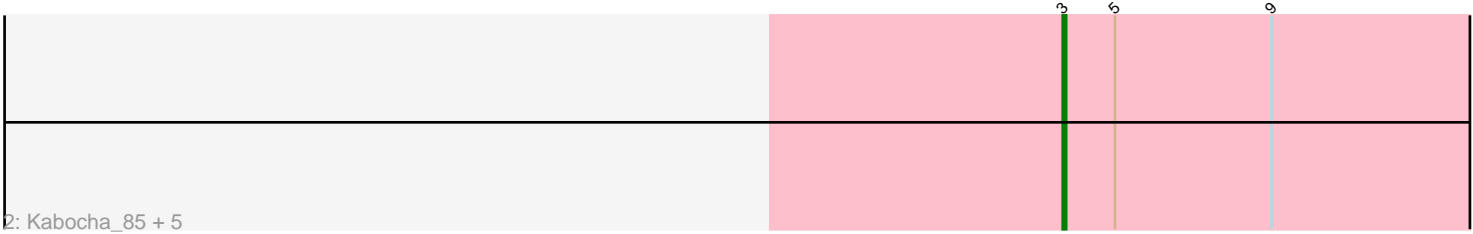
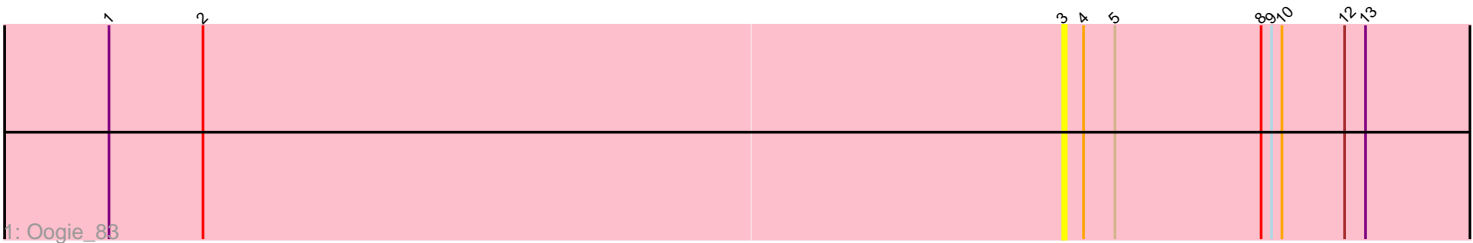


Pham 10405



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 10405 Report

This analysis was run 04/28/24 on database version 559.

Pham number 10405 has 12 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Oogie_83
- Track 2 : Kabocha_85, Gray_84, Alok_79, Hanem_83, Schomber_82, Pakusa_80
- Track 3 : ChisanaKitsune_81
- Track 4 : FlyingTortilla_85, ScarletRaider_84
- Track 5 : Chidiebere_84
- Track 6 : UBSmoodge_87

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alok_79, Chidiebere_84, ChisanaKitsune_81, FlyingTortilla_85, Gray_84, Hanem_83, Kabocha_85, Oogie_83, Pakusa_80, ScarletRaider_84, Schomber_82, UBSmoodge_87,

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

-

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

-

Summary by start number:

Start 3:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alok_79 (DQ), Chidiebere_84 (DQ), ChisanaKitsune_81 (DQ), FlyingTortilla_85 (DQ), Gray_84 (DQ), Hanem_83 (DQ), Kabocha_85 (DQ), Oogie_83 (DQ), Pakusa_80 (DQ), ScarletRaider_84 (DQ), Schomber_82 (DQ), UBSmoodge_87 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 3 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Alok_i_79 Start: 63944, Stop: 64111, Start Num: 3

Candidate Starts for Alok_i_79:

(Start: 3 @63944 has 6 MA's), (5, 63959), (9, 64004),

Gene: Chidiebere_84 Start: 64477, Stop: 64644, Start Num: 3

Candidate Starts for Chidiebere_84:

(Start: 3 @64477 has 6 MA's), (5, 64492), (7, 64528), (9, 64537),

Gene: ChisanaKitsune_81 Start: 63654, Stop: 63821, Start Num: 3

Candidate Starts for ChisanaKitsune_81:

(Start: 3 @63654 has 6 MA's), (5, 63669), (6, 63699), (9, 63714),

Gene: FlyingTortilla_85 Start: 68116, Stop: 68277, Start Num: 3

Candidate Starts for FlyingTortilla_85:

(Start: 3 @68116 has 6 MA's), (9, 68176), (10, 68179), (11, 68188),

Gene: Gray_84 Start: 64408, Stop: 64575, Start Num: 3

Candidate Starts for Gray_84:

(Start: 3 @64408 has 6 MA's), (5, 64423), (9, 64468),

Gene: Hanem_83 Start: 63944, Stop: 64111, Start Num: 3

Candidate Starts for Hanem_83:

(Start: 3 @63944 has 6 MA's), (5, 63959), (9, 64004),

Gene: Kabocha_85 Start: 65290, Stop: 65457, Start Num: 3

Candidate Starts for Kabocha_85:

(Start: 3 @65290 has 6 MA's), (5, 65305), (9, 65350),

Gene: Oogie_83 Start: 66103, Stop: 66270, Start Num: 3

Candidate Starts for Oogie_83:

(1, 65830), (2, 65857), (Start: 3 @66103 has 6 MA's), (4, 66109), (5, 66118), (8, 66160), (9, 66163), (10, 66166), (12, 66184), (13, 66190),

Gene: Pakusa_80 Start: 63670, Stop: 63837, Start Num: 3

Candidate Starts for Pakusa_80:

(Start: 3 @63670 has 6 MA's), (5, 63685), (9, 63730),

Gene: ScarletRaider_84 Start: 67381, Stop: 67542, Start Num: 3

Candidate Starts for ScarletRaider_84:

(Start: 3 @67381 has 6 MA's), (9, 67441), (10, 67444), (11, 67453),

Gene: Schomber_82 Start: 63678, Stop: 63845, Start Num: 3

Candidate Starts for Schomber_82:

(Start: 3 @63678 has 6 MA's), (5, 63693), (9, 63738),

Gene: UBSmoodge_87 Start: 67821, Stop: 67982, Start Num: 3

Candidate Starts for UBSmoodge_87:

(Start: 3 @67821 has 6 MA's), (9, 67881), (10, 67884),