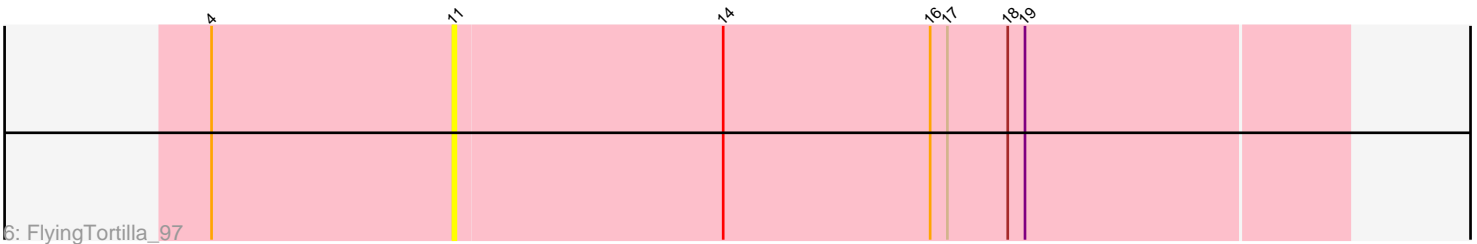
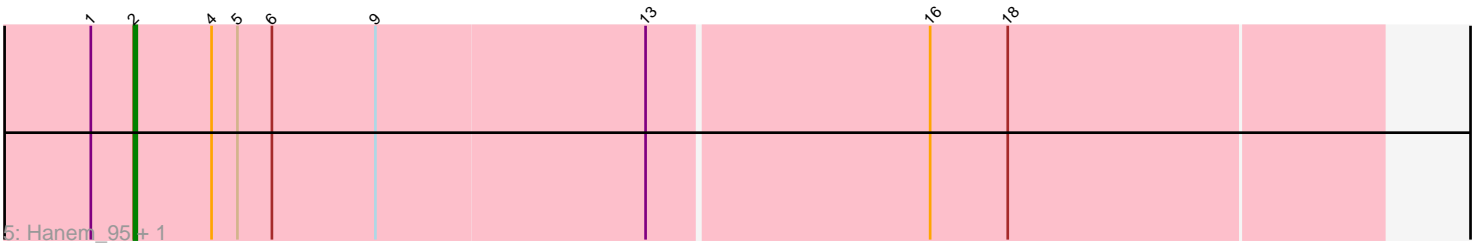
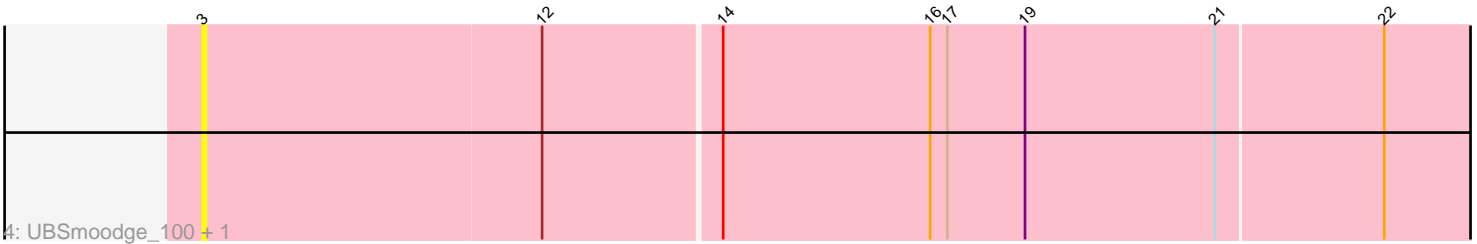
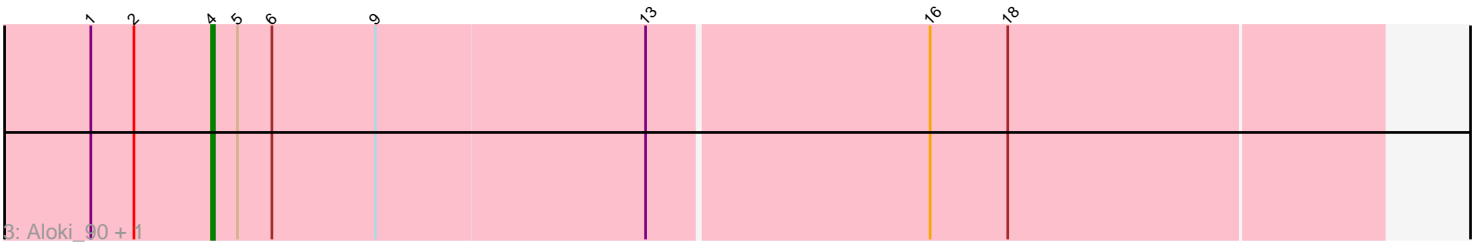
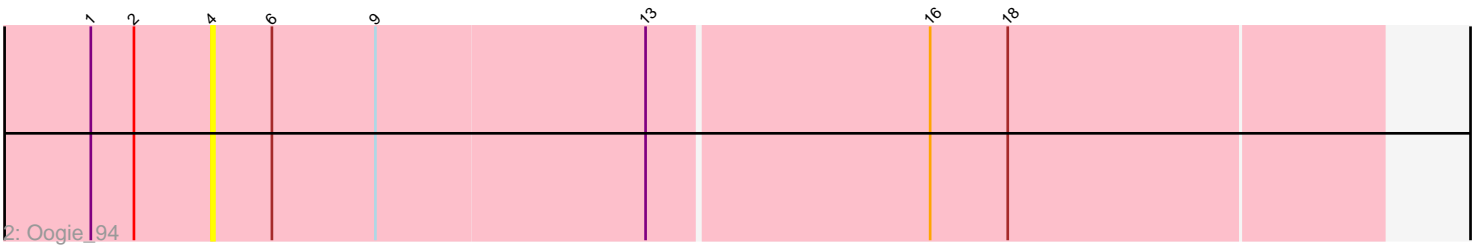
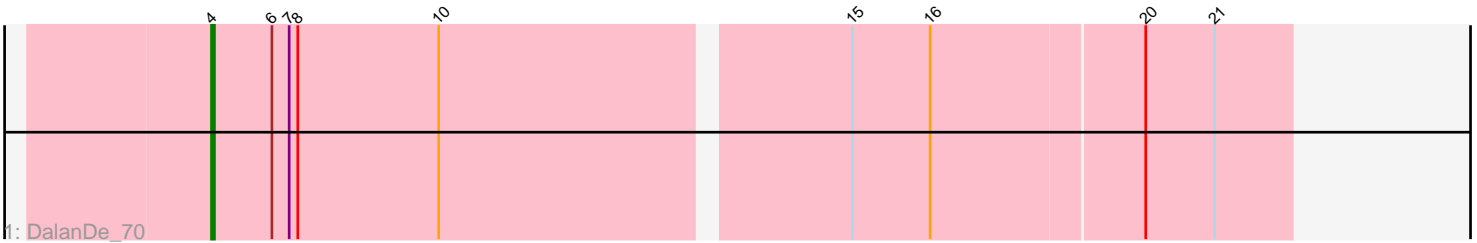


Pham 13028



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 13028 Report

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

Pham number 13028 has 9 members, 6 are drafts.

Phages represented in each track:

- Track 1 : DalanDe_70
- Track 2 : Oogie_94
- Track 3 : Alok_90, Gray_96
- Track 4 : UBSmoodge_100, ScarletRaider_97
- Track 5 : Hanem_95, Pakusa_91
- Track 6 : FlyingTortilla_97

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

The start number called the most often in the published annotations is 4, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alok_90, DalanDe_70, Gray_96, Oogie_94,

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

- FlyingTortilla_97, Hanem_95, Pakusa_91,

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

- ScarletRaider_97, UBSmoodge_100,

Summary by start number:

Start 2:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Hanem_95 (DQ), Pakusa_91 (DQ),

Start 3:

- Found in 2 of 9 (22.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: ScarletRaider_97 (DQ), UBSmoodge_100 (DQ),

Start 4:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Alok_i_90 (DQ), DalanDe_70 (DQ), Gray_96 (DQ), Oogie_94 (DQ),

Start 11:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FlyingTortilla_97 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 2 was manually annotated 1 time for cluster DQ.
- Start number 4 was manually annotated 2 times for cluster DQ.

Gene Information:

Gene: Alok_i_90 Start: 69430, Stop: 69831, Start Num: 4

Candidate Starts for Alok_i_90:

(1, 69388), (Start: 2 @69403 has 1 MA's), (Start: 4 @69430 has 2 MA's), (5, 69439), (6, 69451), (9, 69487), (13, 69580), (16, 69676), (18, 69703),

Gene: DalanDe_70 Start: 63233, Stop: 63595, Start Num: 4

Candidate Starts for DalanDe_70:

(Start: 4 @63233 has 2 MA's), (6, 63254), (7, 63260), (8, 63263), (10, 63311), (15, 63446), (16, 63473), (20, 63545), (21, 63569),

Gene: FlyingTortilla_97 Start: 73747, Stop: 74055, Start Num: 11

Candidate Starts for FlyingTortilla_97:

(Start: 4 @73663 has 2 MA's), (11, 73747), (14, 73840), (16, 73912), (17, 73918), (18, 73939), (19, 73945),

Gene: Gray_96 Start: 69691, Stop: 70092, Start Num: 4

Candidate Starts for Gray_96:

(1, 69649), (Start: 2 @69664 has 1 MA's), (Start: 4 @69691 has 2 MA's), (5, 69700), (6, 69712), (9, 69748), (13, 69841), (16, 69937), (18, 69964),

Gene: Hanem_95 Start: 69403, Stop: 69831, Start Num: 2

Candidate Starts for Hanem_95:

(1, 69388), (Start: 2 @69403 has 1 MA's), (Start: 4 @69430 has 2 MA's), (5, 69439), (6, 69451), (9, 69487), (13, 69580), (16, 69676), (18, 69703),

Gene: Oogie_94 Start: 71366, Stop: 71767, Start Num: 4

Candidate Starts for Oogie_94:

(1, 71324), (Start: 2 @71339 has 1 MA's), (Start: 4 @71366 has 2 MA's), (6, 71387), (9, 71423), (13, 71516), (16, 71612), (18, 71639),

Gene: Pakusa_91 Start: 69129, Stop: 69557, Start Num: 2

Candidate Starts for Pakusa_91:

(1, 69114), (Start: 2 @69129 has 1 MA's), (Start: 4 @69156 has 2 MA's), (5, 69165), (6, 69177), (9, 69213), (13, 69306), (16, 69402), (18, 69429),

Gene: ScarletRaider_97 Start: 72936, Stop: 73397, Start Num: 3

Candidate Starts for ScarletRaider_97:

(3, 72936), (12, 73053), (14, 73113), (16, 73185), (17, 73191), (19, 73218), (21, 73284), (22, 73341),

Gene: UBSmoodge_100 Start: 73377, Stop: 73838, Start Num: 3

Candidate Starts for UBSmoodge_100:

(3, 73377), (12, 73494), (14, 73554), (16, 73626), (17, 73632), (19, 73659), (21, 73725), (22, 73782),