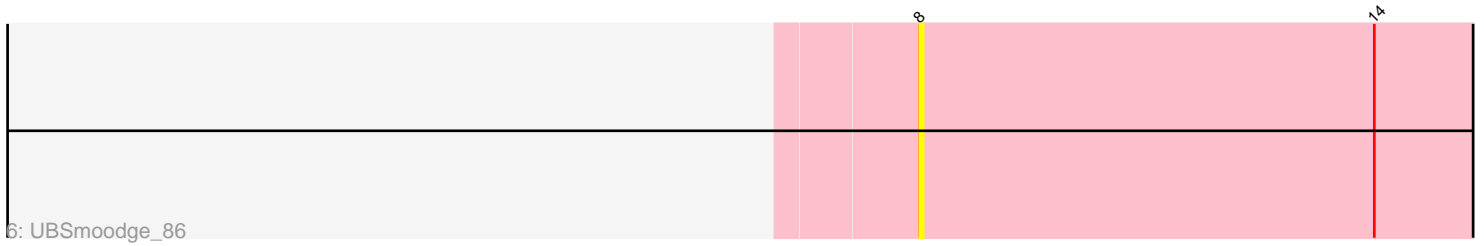
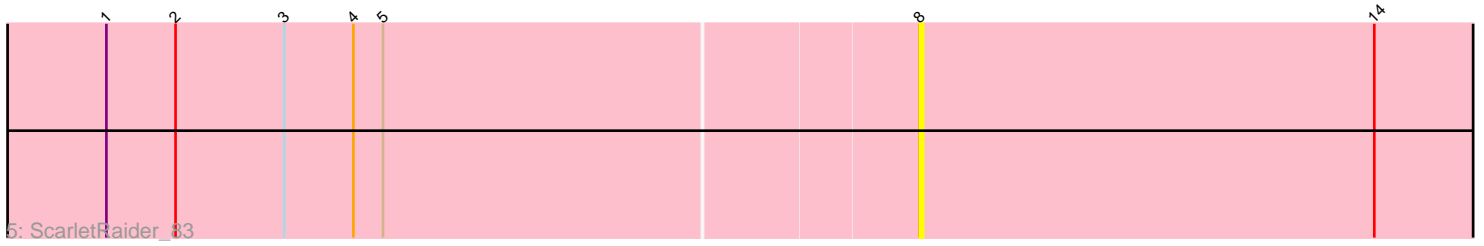
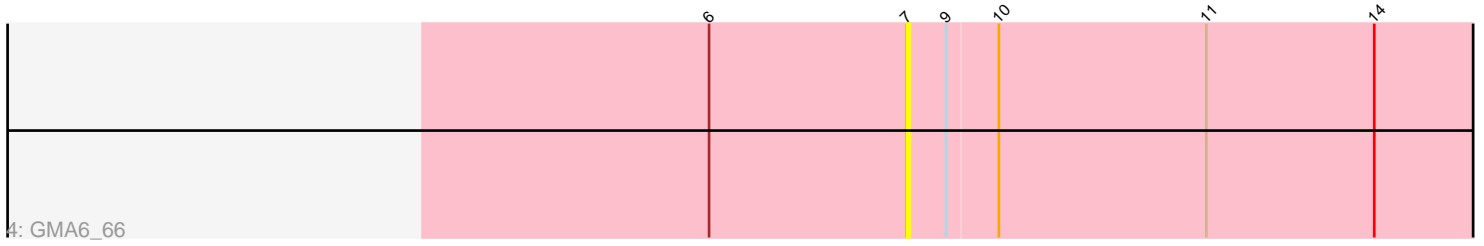
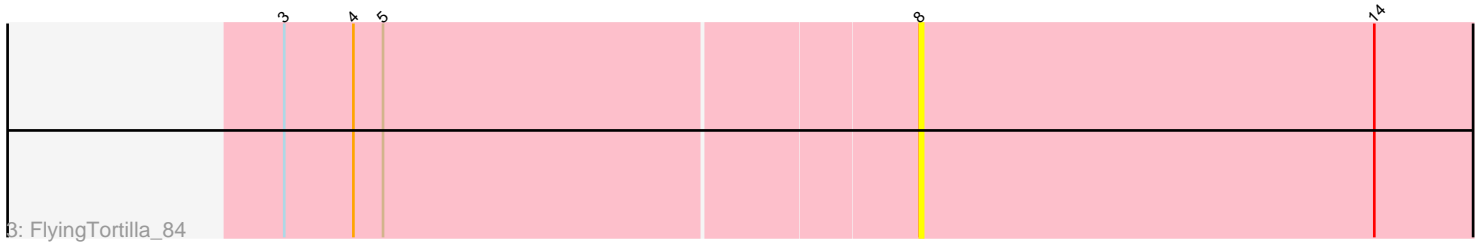
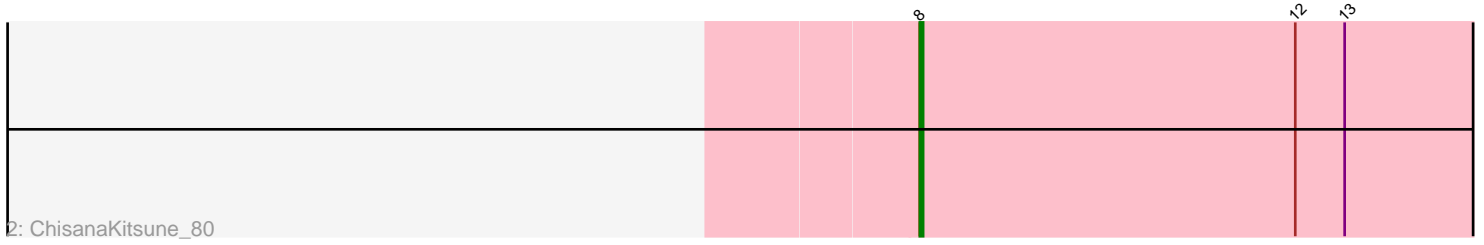
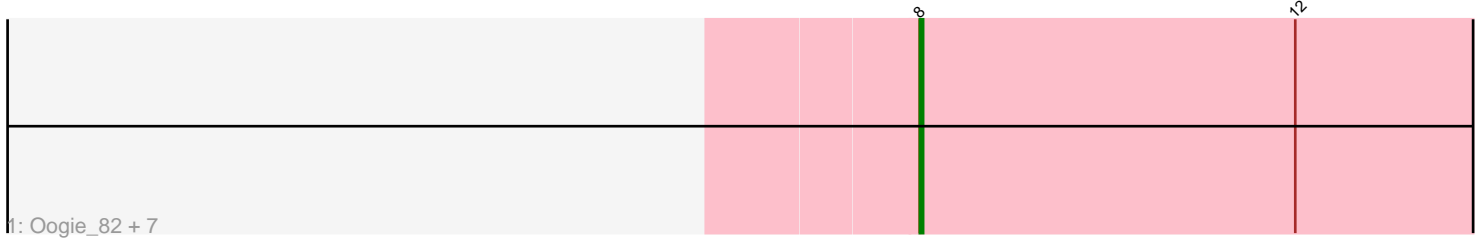


Pham 158289



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 158289 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158289 has 13 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Oogie_82, Kabocha_84, Aloki_78, Schomber_81, Chidiebere_83, Hanem_82, Pakusa_79, Gray_83
- Track 2 : ChisanaKitsune_80
- Track 3 : FlyingTortilla_84
- Track 4 : GMA6_66
- Track 5 : ScarletRaider_83
- Track 6 : UBSmoodge_86

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

The start number called the most often in the published annotations is 8, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aloki_78, Chidiebere_83, ChisanaKitsune_80, FlyingTortilla_84, Gray_83, Hanem_82, Kabocha_84, Oogie_82, Pakusa_79, ScarletRaider_83, Schomber_81, UBSmoodge_86,

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

-

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

- GMA6_66,

Summary by start number:

Start 7:

- Found in 1 of 13 (7.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA6_66 (DQ),

Start 8:

- Found in 12 of 13 (92.3%) 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: Aloki_78 (DQ), Chidiebere_83 (DQ), ChisanaKitsune_80 (DQ), FlyingTortilla_84 (DQ), Gray_83 (DQ), Hanem_82 (DQ), Kabocha_84 (DQ), Oogie_82 (DQ), Pakusa_79 (DQ), ScarletRaider_83 (DQ), Schomber_81 (DQ), UBSmoodge_86 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 8 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Aloki_78 Start: 63735, Stop: 63947, Start Num: 8

Candidate Starts for Aloki_78:

(Start: 8 @63735 has 6 MA's), (12, 63849),

Gene: Chidiebere_83 Start: 64268, Stop: 64480, Start Num: 8

Candidate Starts for Chidiebere_83:

(Start: 8 @64268 has 6 MA's), (12, 64382),

Gene: ChisanaKitsune_80 Start: 63445, Stop: 63657, Start Num: 8

Candidate Starts for ChisanaKitsune_80:

(Start: 8 @63445 has 6 MA's), (12, 63559), (13, 63574),

Gene: FlyingTortilla_84 Start: 67913, Stop: 68119, Start Num: 8

Candidate Starts for FlyingTortilla_84:

(3, 67724), (4, 67745), (5, 67754), (Start: 8 @67913 has 6 MA's), (14, 68051),

Gene: GMA6_66 Start: 54553, Stop: 54771, Start Num: 7

Candidate Starts for GMA6_66:

(6, 54493), (7, 54553), (9, 54565), (10, 54580), (11, 54643), (14, 54694),

Gene: Gray_83 Start: 64199, Stop: 64411, Start Num: 8

Candidate Starts for Gray_83:

(Start: 8 @64199 has 6 MA's), (12, 64313),

Gene: Hanem_82 Start: 63735, Stop: 63947, Start Num: 8

Candidate Starts for Hanem_82:

(Start: 8 @63735 has 6 MA's), (12, 63849),

Gene: Kabocha_84 Start: 65081, Stop: 65293, Start Num: 8

Candidate Starts for Kabocha_84:

(Start: 8 @65081 has 6 MA's), (12, 65195),

Gene: Oogie_82 Start: 65894, Stop: 66106, Start Num: 8

Candidate Starts for Oogie_82:

(Start: 8 @65894 has 6 MA's), (12, 66008),

Gene: Pakusa_79 Start: 63461, Stop: 63673, Start Num: 8

Candidate Starts for Pakusa_79:

(Start: 8 @63461 has 6 MA's), (12, 63575),

Gene: ScarletRaider_83 Start: 67178, Stop: 67384, Start Num: 8

Candidate Starts for ScarletRaider_83:

(1, 66935), (2, 66956), (3, 66989), (4, 67010), (5, 67019), (Start: 8 @67178 has 6 MA's), (14, 67316),

Gene: Schomber_81 Start: 63469, Stop: 63681, Start Num: 8

Candidate Starts for Schomber_81:

(Start: 8 @63469 has 6 MA's), (12, 63583),

Gene: UBSmoodge_86 Start: 67618, Stop: 67824, Start Num: 8

Candidate Starts for UBSmoodge_86:

(Start: 8 @67618 has 6 MA's), (14, 67756),