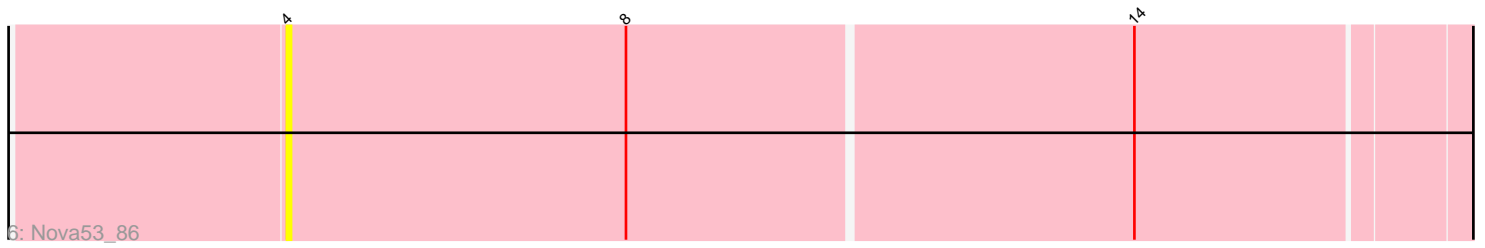
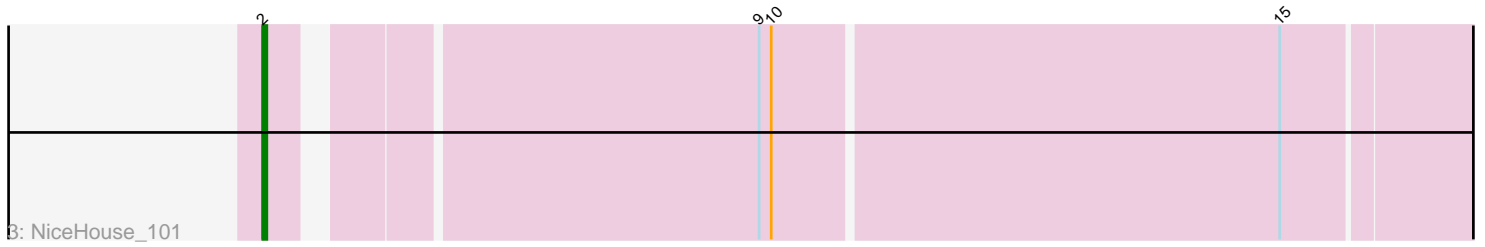
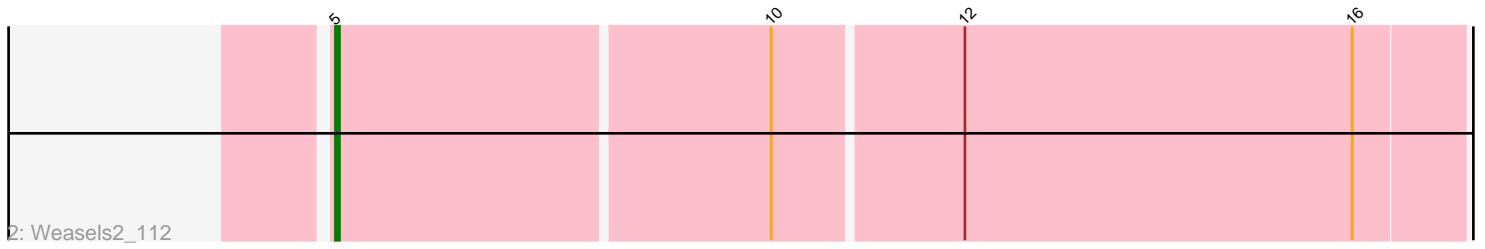


Pham 225143



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 225143 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225143 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Grayson_112, Peregrin_110
- Track 2 : Weasels2_112
- Track 3 : NiceHouse_101
- Track 4 : Trina_114
- Track 5 : Francesca_88, Dorin_88
- Track 6 : Nova53_86

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

The start number called the most often in the published annotations is 5, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Grayson_112, Peregrin_110, Weasels2_112,

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

-

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

- Dorin_88, Francesca_88, NiceHouse_101, Nova53_86, Trina_114,

Summary by start number:

Start 2:

- Found in 1 of 8 (12.5%) 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: NiceHouse_101 (CE),

Start 3:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Dorin_88 (CG), Francesca_88 (CG), Trina_114 (CE),

Start 4:

- Found in 2 of 8 (25.0%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Nova53_86 (CG),

Start 5:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Grayson_112 (CB), Peregrin_110 (CB), Weasels2_112 (CB),

Summary by clusters:

There are 3 clusters represented in this pham: CB, CG, CE,

Info for manual annotations of cluster CB:

- Start number 5 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CE:

- Start number 2 was manually annotated 1 time for cluster CE.
- Start number 3 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CG:

- Start number 3 was manually annotated 2 times for cluster CG.

Gene Information:

Gene: Dorin_88 Start: 68544, Stop: 68846, Start Num: 3

Candidate Starts for Dorin_88:

(1, 68508), (Start: 3 @68544 has 3 MA's), (13, 68739),

Gene: Francesca_88 Start: 69282, Stop: 69584, Start Num: 3

Candidate Starts for Francesca_88:

(1, 69246), (Start: 3 @69282 has 3 MA's), (13, 69477),

Gene: Grayson_112 Start: 70156, Stop: 70446, Start Num: 5

Candidate Starts for Grayson_112:

(Start: 5 @70156 has 3 MA's), (12, 70306),

Gene: NiceHouse_101 Start: 73108, Stop: 73398, Start Num: 2

Candidate Starts for NiceHouse_101:

(Start: 2 @73108 has 1 MA's), (9, 73219), (10, 73222), (15, 73345),

Gene: Nova53_86 Start: 68111, Stop: 68410, Start Num: 4

Candidate Starts for Nova53_86:

(4, 68111), (8, 68195), (14, 68318),

Gene: Peregrin_110 Start: 68566, Stop: 68856, Start Num: 5

Candidate Starts for Peregrin_110:

(Start: 5 @68566 has 3 MA's), (12, 68716),

Gene: Trina_114 Start: 76291, Stop: 76587, Start Num: 3

Candidate Starts for Trina_114:

(1, 76261), (Start: 3 @76291 has 3 MA's), (4, 76294), (6, 76357), (7, 76360), (11, 76447),

Gene: Weasels2_112 Start: 69578, Stop: 69868, Start Num: 5

Candidate Starts for Weasels2_112:

(Start: 5 @69578 has 3 MA's), (10, 69683), (12, 69728), (16, 69824),