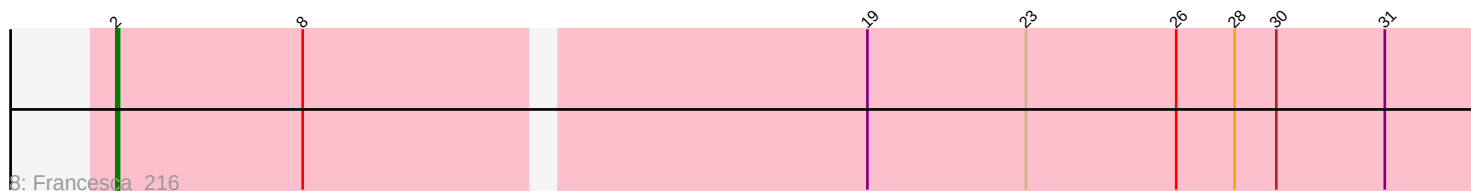
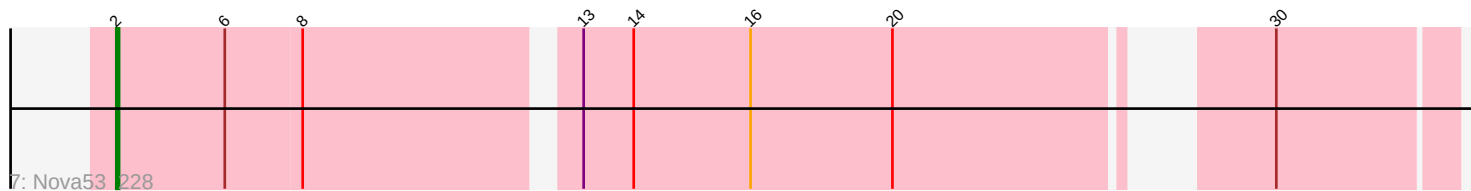
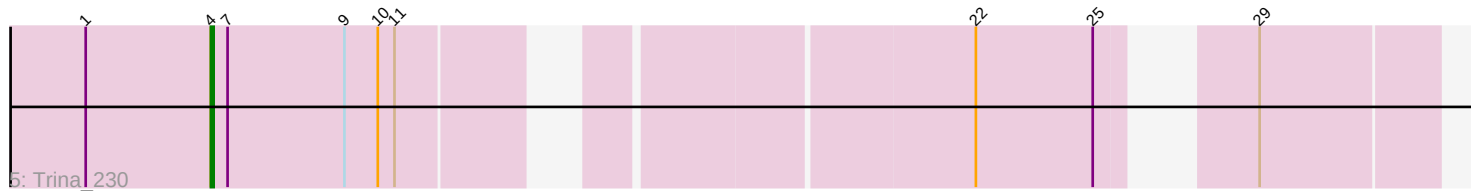
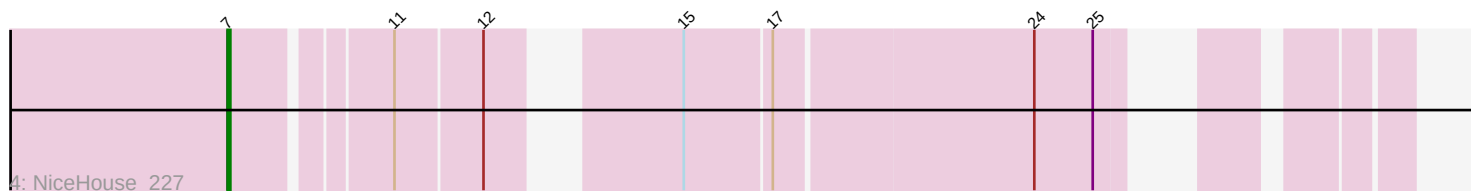
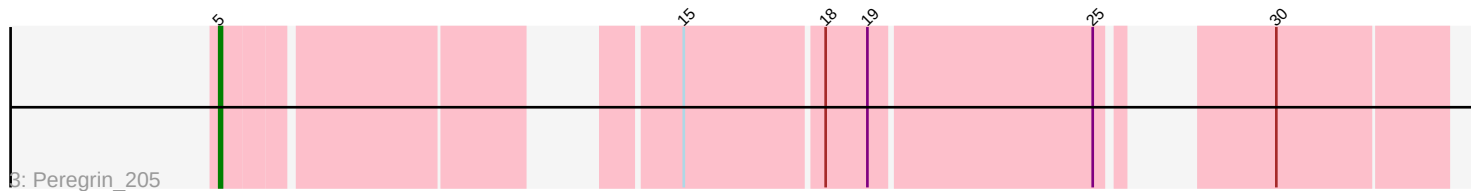
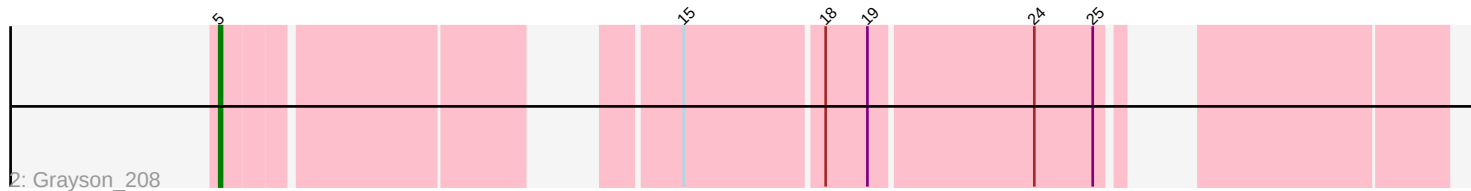
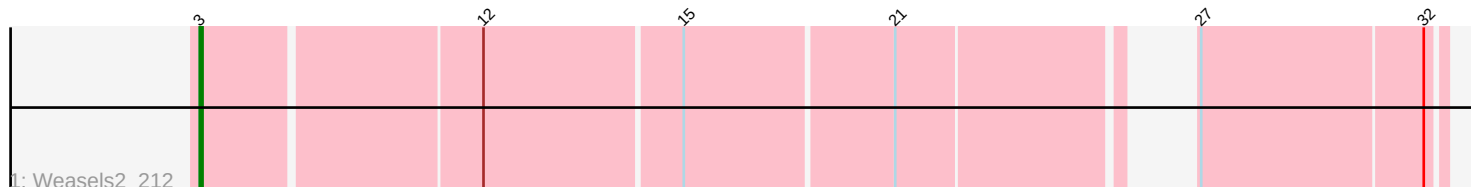


Pham 309923



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 309923 Report

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

Pham number 309923 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Weasels2_212
- Track 2 : Grayson_208
- Track 3 : Peregrin_205
- Track 4 : NiceHouse_227
- Track 5 : Trina_230
- Track 6 : Dorin_215
- Track 7 : Nova53_228
- Track 8 : Francesca_216

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dorin_215, Francesca_216, Nova53_228,

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

•

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

- Grayson_208, NiceHouse_227, Peregrin_205, Trina_230, Weasels2_212,

Summary by start number:

Start 2:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dorin_215 (CG), Francesca_216 (CG), Nova53_228 (CG),

Start 3:

- Found in 1 of 8 (12.5%) of genes in pham

- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Weasels2_212 (CB),

Start 4:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Trina_230 (CE),

Start 5:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Grayson_208 (CB), Peregrin_205 (CB),

Start 7:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: NiceHouse_227 (CE),

Summary by clusters:

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

Info for manual annotations of cluster CB:

- Start number 3 was manually annotated 1 time for cluster CB.
- Start number 5 was manually annotated 2 times for cluster CB.

Info for manual annotations of cluster CE:

- Start number 4 was manually annotated 1 time for cluster CE.
- Start number 7 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CG:

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

Gene Information:

Gene: Dorin_215 Start: 113818, Stop: 114294, Start Num: 2

Candidate Starts for Dorin_215:

(Start: 2 @113818 has 3 MA's), (8, 113884), (19, 114076), (23, 114133), (26, 114187), (30, 114223), (31, 114262),

Gene: Francesca_216 Start: 114470, Stop: 114946, Start Num: 2

Candidate Starts for Francesca_216:

(Start: 2 @114470 has 3 MA's), (8, 114536), (19, 114728), (23, 114785), (26, 114839), (28, 114860), (30, 114875), (31, 114914),

Gene: Grayson_208 Start: 105394, Stop: 105759, Start Num: 5

Candidate Starts for Grayson_208:

(Start: 5 @105394 has 2 MA's), (15, 105523), (18, 105571), (19, 105586), (24, 105643), (25, 105664),

Gene: NiceHouse_227 Start: 120869, Stop: 121216, Start Num: 7

Candidate Starts for NiceHouse_227:

(Start: 7 @120869 has 1 MA's), (11, 120920), (12, 120950), (15, 121001), (17, 121031), (24, 121121), (25, 121142),

Gene: Nova53_228 Start: 119136, Stop: 119573, Start Num: 2

Candidate Starts for Nova53_228:

(Start: 2 @119136 has 3 MA's), (6, 119175), (8, 119202), (13, 119292), (14, 119310), (16, 119352), (20, 119403), (30, 119511),

Gene: Peregrin_205 Start: 105815, Stop: 106180, Start Num: 5

Candidate Starts for Peregrin_205:

(Start: 5 @105815 has 2 MA's), (15, 105944), (18, 105992), (19, 106007), (25, 106085), (30, 106121),

Gene: Trina_230 Start: 119658, Stop: 120038, Start Num: 4

Candidate Starts for Trina_230:

(1, 119613), (Start: 4 @119658 has 1 MA's), (Start: 7 @119664 has 1 MA's), (9, 119706), (10, 119718), (11, 119724), (22, 119901), (25, 119943), (29, 119976),

Gene: Weasels2_212 Start: 108877, Stop: 109275, Start Num: 3

Candidate Starts for Weasels2_212:

(Start: 3 @108877 has 1 MA's), (12, 108973), (15, 109042), (21, 109114), (27, 109192), (32, 109270),