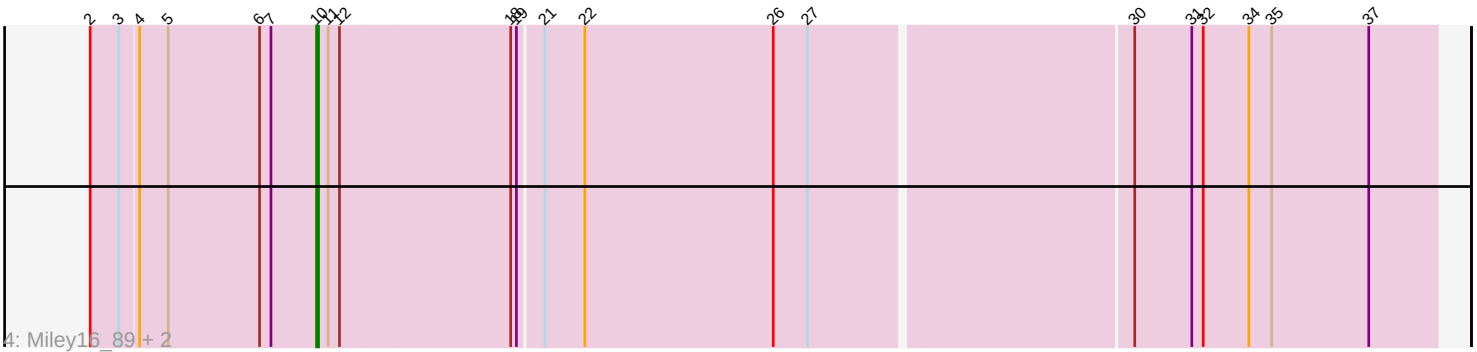
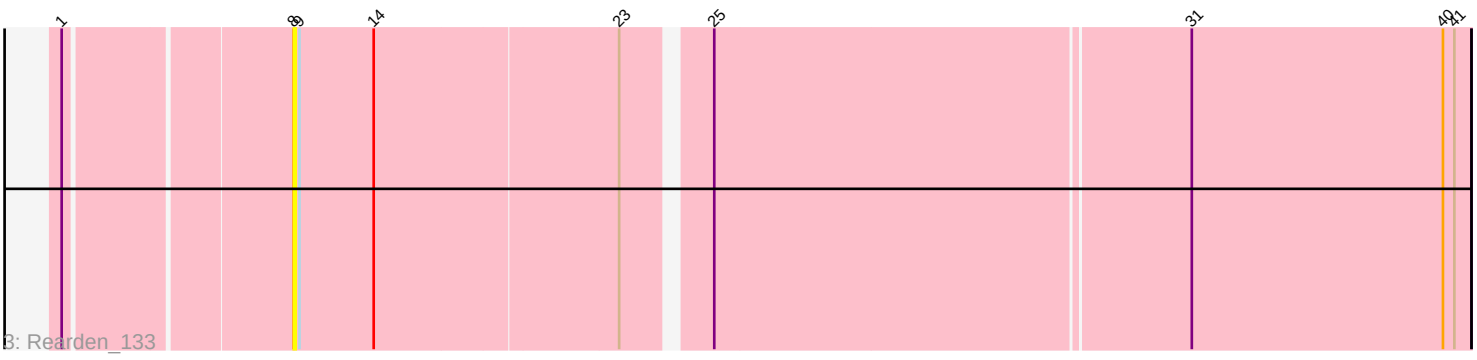
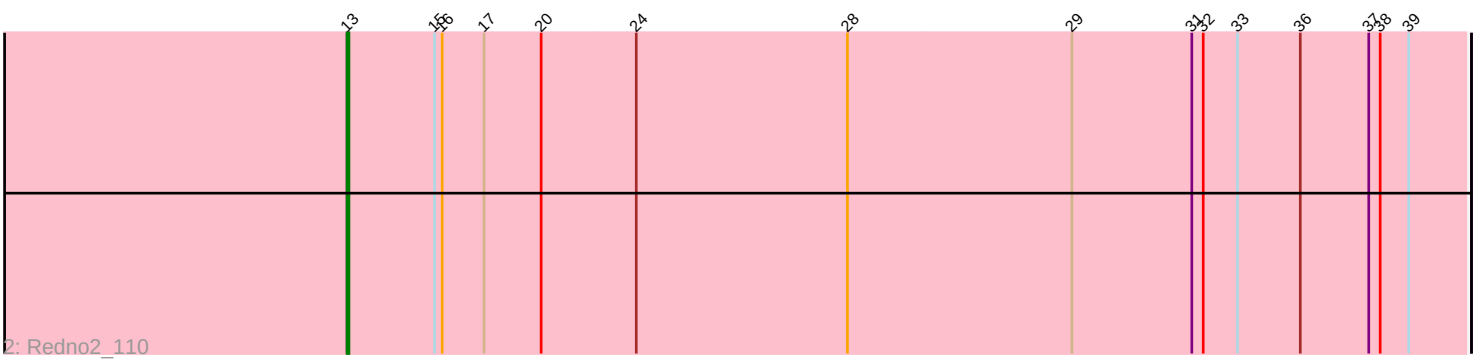
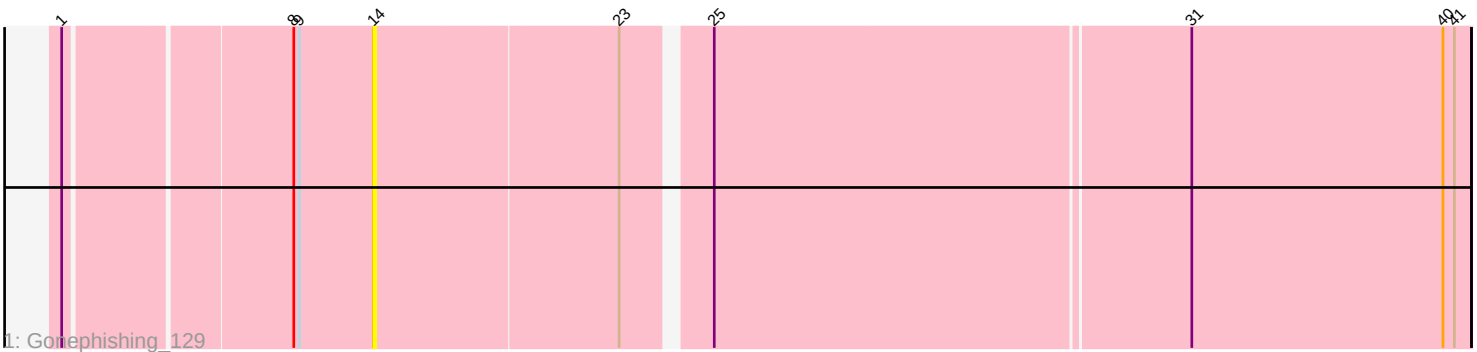


Pham 331670



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 331670 Report

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

Pham number 331670 has 6 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Gonephishing_129
- Track 2 : Redno2_110
- Track 3 : Rearden_133
- Track 4 : Miley16_89, Breezona_89, DrSeegs_88

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

The start number called the most often in the published annotations is 10, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Breezona_89, DrSeegs_88, Miley16_89,

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

-

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

- Gonephishing_129, Rearden_133, Redno2_110,

Summary by start number:

Start 8:

- Found in 2 of 6 (33.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Rearden_133 (J),

Start 10:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Breezona_89 (L2), DrSeegs_88 (L2), Miley16_89 (L2),

Start 13:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Redno2_110 (J),

Start 14:

- Found in 2 of 6 (33.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Gonephishing_129 (J),

Summary by clusters:

There are 2 clusters represented in this pham: J, L2,

Info for manual annotations of cluster J:

- Start number 13 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster L2:

- Start number 10 was manually annotated 3 times for cluster L2.

Gene Information:

Gene: Breezona_89 Start: 57473, Stop: 58045, Start Num: 10

Candidate Starts for Breezona_89:

(2, 57356), (3, 57371), (4, 57380), (5, 57395), (6, 57443), (7, 57449), (Start: 10 @57473 has 3 MA's), (11, 57479), (12, 57485), (18, 57572), (19, 57575), (21, 57587), (22, 57608), (26, 57707), (27, 57725), (30, 57887), (31, 57917), (32, 57923), (34, 57947), (35, 57959), (37, 58010),

Gene: DrSeegs_88 Start: 57473, Stop: 58045, Start Num: 10

Candidate Starts for DrSeegs_88:

(2, 57356), (3, 57371), (4, 57380), (5, 57395), (6, 57443), (7, 57449), (Start: 10 @57473 has 3 MA's), (11, 57479), (12, 57485), (18, 57572), (19, 57575), (21, 57587), (22, 57608), (26, 57707), (27, 57725), (30, 57887), (31, 57917), (32, 57923), (34, 57947), (35, 57959), (37, 58010),

Gene: Gonephishing_129 Start: 70042, Stop: 70593, Start Num: 14

Candidate Starts for Gonephishing_129:

(1, 69889), (8, 70000), (9, 70003), (14, 70042), (23, 70165), (25, 70204), (31, 70447), (40, 70579), (41, 70585),

Gene: Miley16_89 Start: 57473, Stop: 58045, Start Num: 10

Candidate Starts for Miley16_89:

(2, 57356), (3, 57371), (4, 57380), (5, 57395), (6, 57443), (7, 57449), (Start: 10 @57473 has 3 MA's), (11, 57479), (12, 57485), (18, 57572), (19, 57575), (21, 57587), (22, 57608), (26, 57707), (27, 57725), (30, 57887), (31, 57917), (32, 57923), (34, 57947), (35, 57959), (37, 58010),

Gene: Rearden_133 Start: 71558, Stop: 72151, Start Num: 8

Candidate Starts for Rearden_133:

(1, 71447), (8, 71558), (9, 71561), (14, 71600), (23, 71723), (25, 71762), (31, 72005), (40, 72137), (41, 72143),

Gene: Redno2_110 Start: 62847, Stop: 63428, Start Num: 13

Candidate Starts for Redno2_110:

(Start: 13 @62847 has 1 MA's), (15, 62892), (16, 62895), (17, 62916), (20, 62946), (24, 62994), (28, 63105), (29, 63222), (31, 63285), (32, 63291), (33, 63309), (36, 63342), (37, 63378), (38, 63384), (39, 63399),