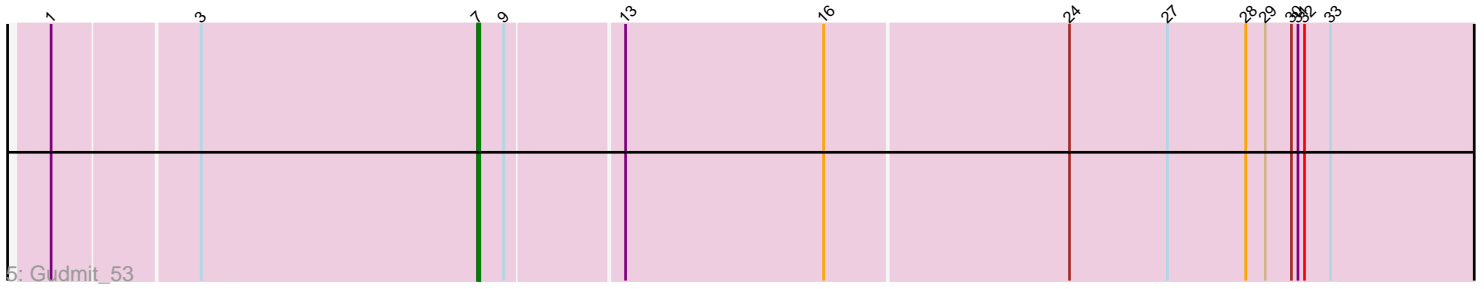
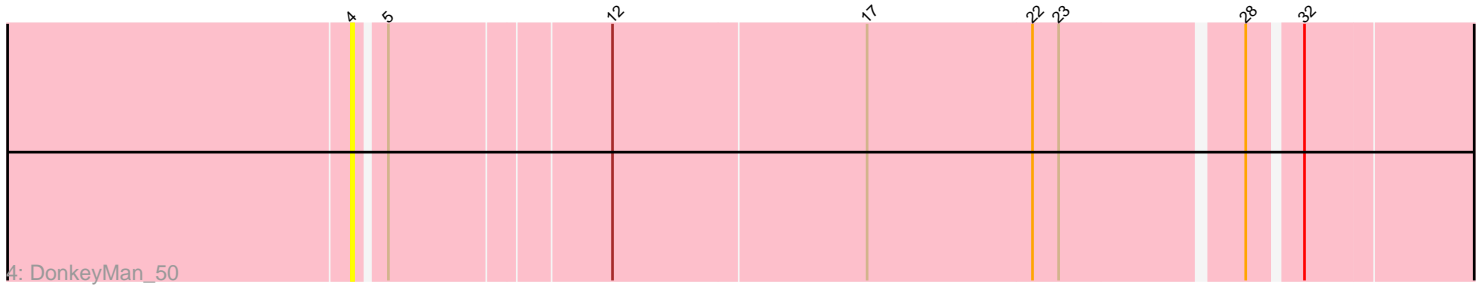
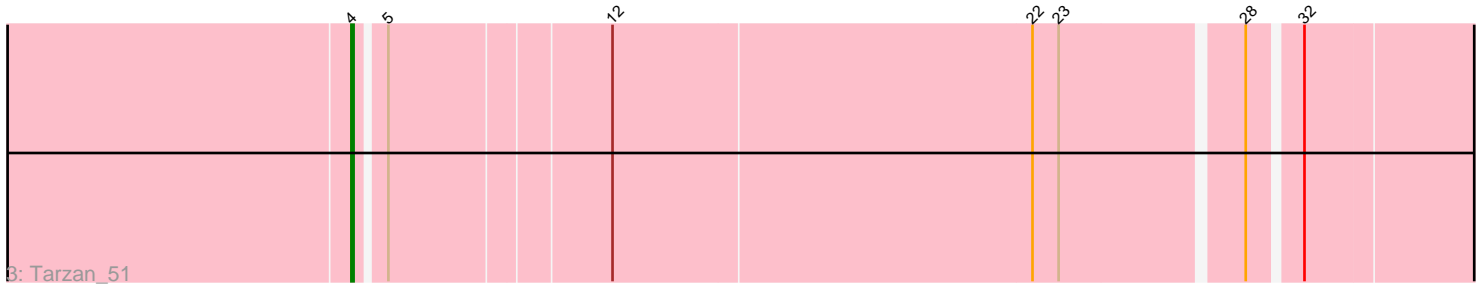
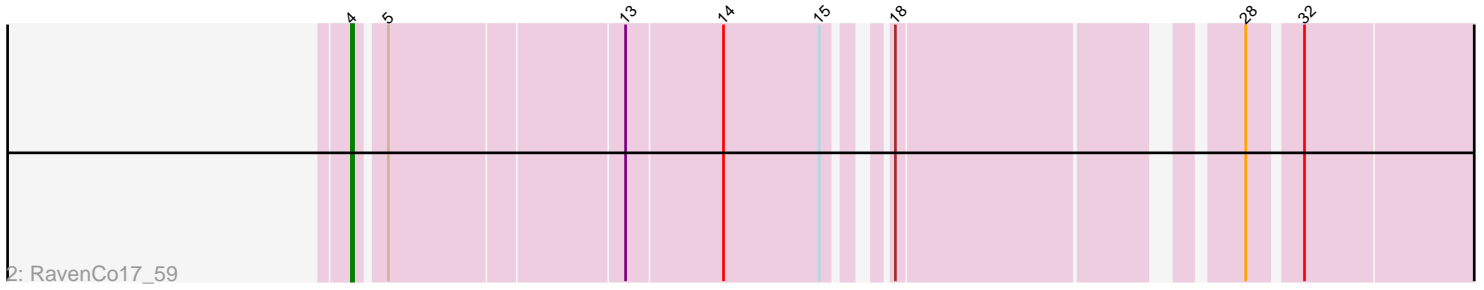
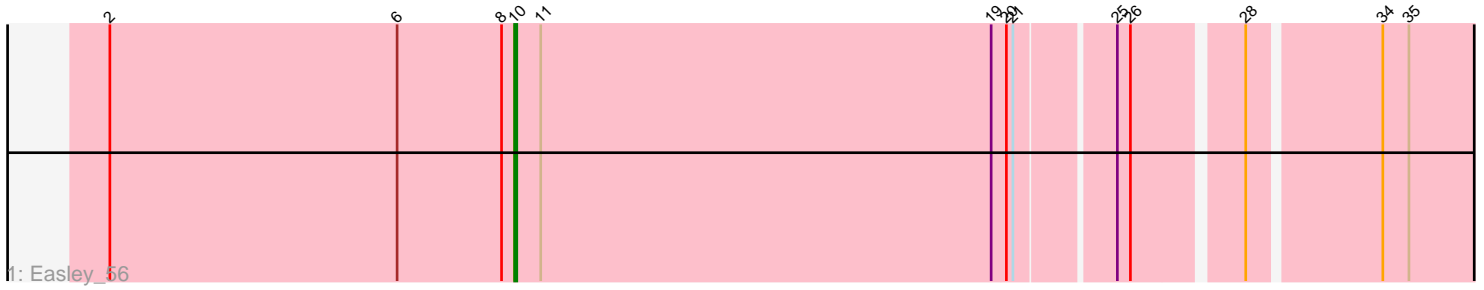


Pham 223812



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 223812 Report

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

Pham number 223812 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Easley_56
- Track 2 : RavenCo17_59
- Track 3 : Tarzan_51
- Track 4 : DonkeyMan_50
- Track 5 : Gudmit_53

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 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DonkeyMan_50, RavenCo17_59, Tarzan_51,

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

-

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

- Easley_56, Gudmit_53,

Summary by start number:

Start 4:

- Found in 3 of 5 (60.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DonkeyMan_50 (DY), RavenCo17_59 (CZ8), Tarzan_51 (DY),

Start 7:

- Found in 1 of 5 (20.0%) 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: Gudmit_53 (singleton),

Start 10:

- Found in 1 of 5 (20.0%) 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: Easley_56 (CZ4),

Summary by clusters:

There are 4 clusters represented in this pham: CZ8, singleton, CZ4, DY,

Info for manual annotations of cluster CZ4:

- Start number 10 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster CZ8:

- Start number 4 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DY:

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

Gene Information:

Gene: DonkeyMan_50 Start: 34129, Stop: 34614, Start Num: 4

Candidate Starts for DonkeyMan_50:

(Start: 4 @34129 has 2 MA's), (5, 34141), (12, 34237), (17, 34351), (22, 34426), (23, 34438), (28, 34516), (32, 34537),

Gene: Easley_56 Start: 39021, Stop: 39443, Start Num: 10

Candidate Starts for Easley_56:

(2, 38835), (6, 38967), (8, 39015), (Start: 10 @39021 has 1 MA's), (11, 39033), (19, 39240), (20, 39246), (21, 39249), (25, 39291), (26, 39297), (28, 39342), (34, 39399), (35, 39411),

Gene: Gudmit_53 Start: 33127, Stop: 33576, Start Num: 7

Candidate Starts for Gudmit_53:

(1, 32938), (3, 33001), (Start: 7 @33127 has 1 MA's), (9, 33139), (13, 33190), (16, 33280), (24, 33388), (27, 33433), (28, 33469), (29, 33478), (30, 33490), (31, 33493), (32, 33496), (33, 33508),

Gene: RavenCo17_59 Start: 42392, Stop: 42841, Start Num: 4

Candidate Starts for RavenCo17_59:

(Start: 4 @42392 has 2 MA's), (5, 42404), (13, 42506), (14, 42548), (15, 42590), (18, 42608), (28, 42743), (32, 42764),

Gene: Tarzan_51 Start: 33384, Stop: 33869, Start Num: 4

Candidate Starts for Tarzan_51:

(Start: 4 @33384 has 2 MA's), (5, 33396), (12, 33492), (22, 33681), (23, 33693), (28, 33771), (32, 33792),