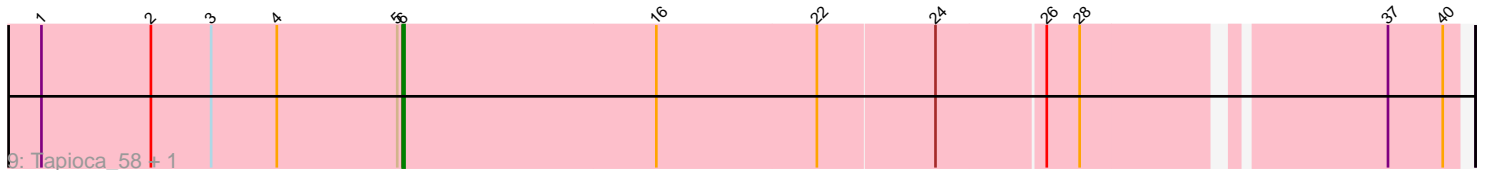
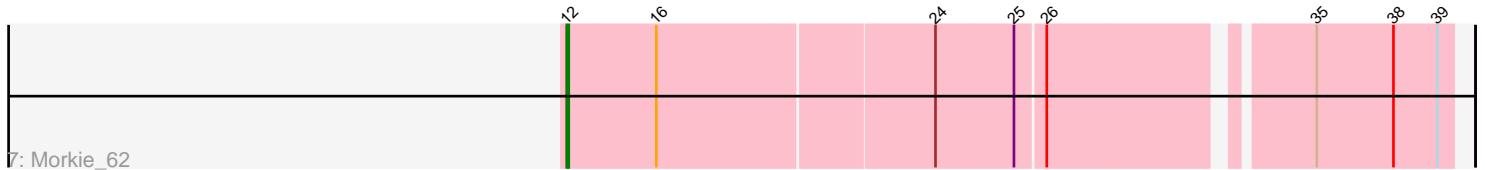
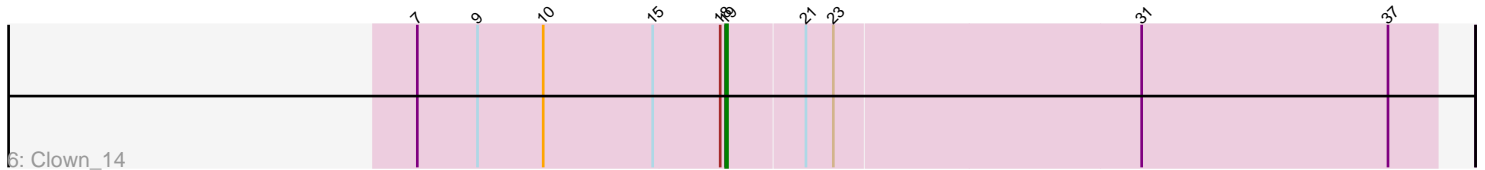
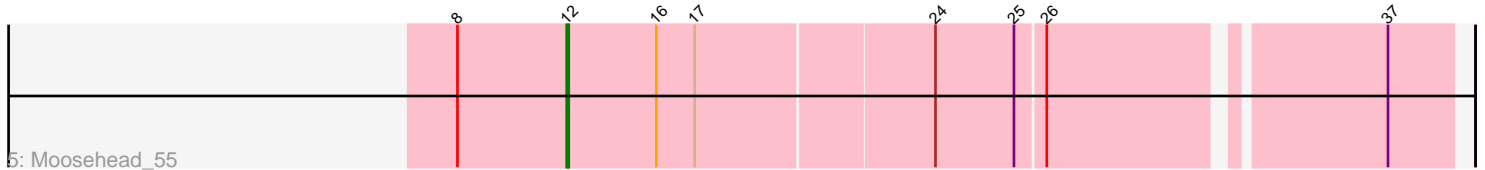
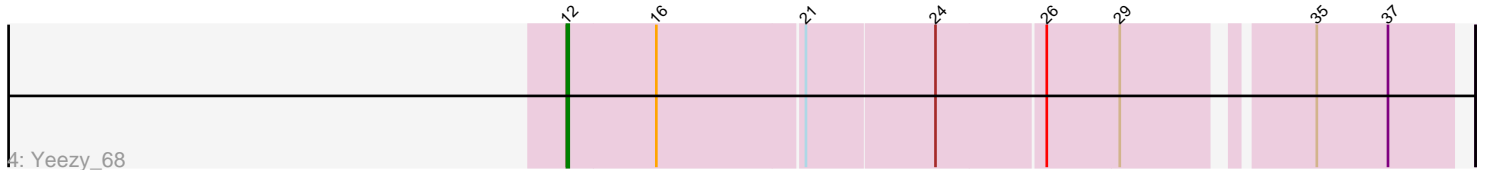
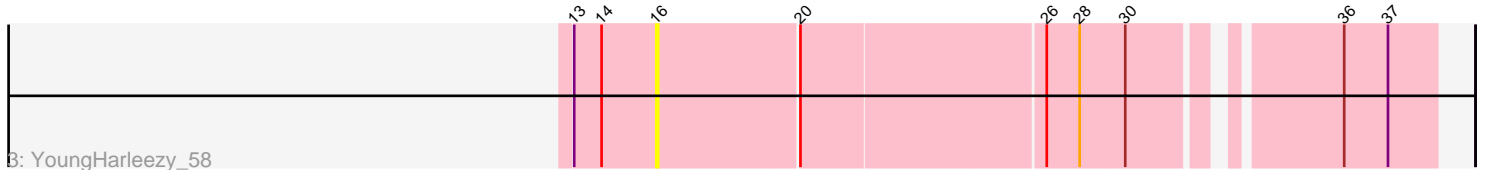
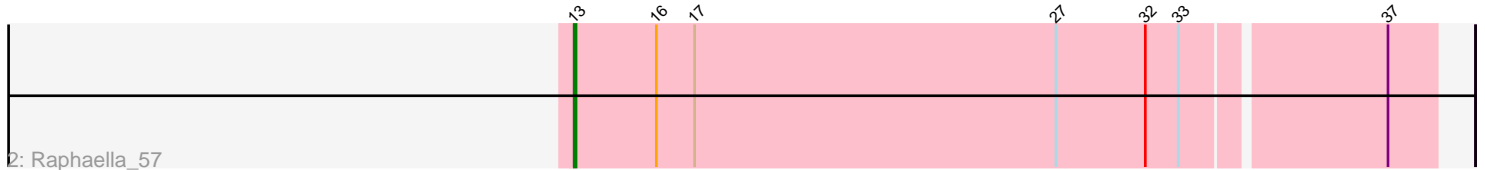
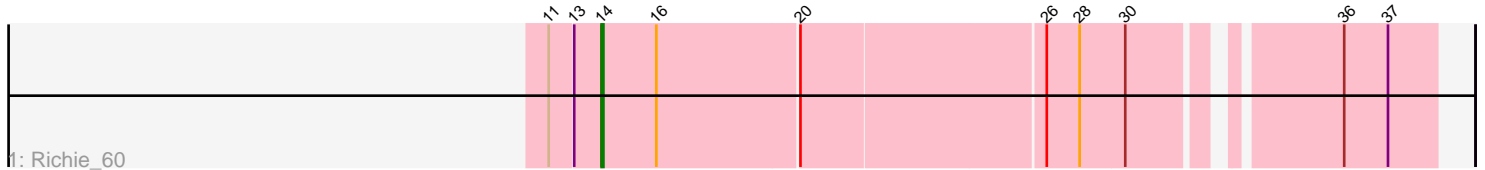


Pham 193068



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 193068 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193068 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Richie_60
- Track 2 : Raphaella_57
- Track 3 : YoungHarleezy_58
- Track 4 : Yeezy_68
- Track 5 : Moosehead_55
- Track 6 : Clown_14
- Track 7 : Morkie_62
- Track 8 : Kukla_72
- Track 9 : Tapioca_58, Andies_54

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

The start number called the most often in the published annotations is 12, it was called in 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Moosehead_55, Morkie_62, Yeezy_68,

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

-

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

- Andies_54, Clown_14, Kukla_72, Raphaella_57, Richie_60, Tapioca_58, YoungHarleezy_58,

Summary by start number:

Start 6:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andies_54 (N), Tapioca_58 (N),

Start 12:

- Found in 3 of 10 (30.0%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Moosehead_55 (CZ6), Morkie_62 (DH), Yeezy_68 (CZ3),

Start 13:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Kukla_72 (FJ), Raphaella_57 (AY),

Start 14:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Richie_60 (AY),

Start 16:

- Found in 9 of 10 (90.0%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: YoungHarleezy_58 (AY),

Start 19:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Clown_14 (DC2),

Summary by clusters:

There are 7 clusters represented in this pham: DH, CZ3, CZ6, N, AY, FJ, DC2,

Info for manual annotations of cluster AY:

- Start number 13 was manually annotated 1 time for cluster AY.
- Start number 14 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster CZ3:

- Start number 12 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster CZ6:

- Start number 12 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster DC2:

- Start number 19 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DH:

- Start number 12 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster FJ:

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

Info for manual annotations of cluster N:

•Start number 6 was manually annotated 2 times for cluster N.

Gene Information:

Gene: Andies_54 Start: 38349, Stop: 38900, Start Num: 6

Candidate Starts for Andies_54:

(1, 38151), (2, 38211), (3, 38244), (4, 38280), (5, 38346), (Start: 6 @38349 has 2 MA's), (16, 38487), (22, 38574), (24, 38637), (26, 38694), (28, 38712), (37, 38862), (40, 38892),

Gene: Clown_14 Start: 8028, Stop: 8411, Start Num: 19

Candidate Starts for Clown_14:

(7, 7860), (9, 7893), (10, 7929), (15, 7989), (18, 8025), (Start: 19 @8028 has 1 MA's), (21, 8070), (23, 8085), (31, 8250), (37, 8385),

Gene: Kukla_72 Start: 41885, Stop: 42343, Start Num: 13

Candidate Starts for Kukla_72:

(Start: 13 @41885 has 2 MA's), (16, 41930), (24, 42077), (26, 42134), (34, 42239), (37, 42296),

Gene: Moosehead_55 Start: 33633, Stop: 34088, Start Num: 12

Candidate Starts for Moosehead_55:

(8, 33573), (Start: 12 @33633 has 3 MA's), (16, 33681), (17, 33702), (24, 33828), (25, 33870), (26, 33885), (37, 34053),

Gene: Morkie_62 Start: 37124, Stop: 37579, Start Num: 12

Candidate Starts for Morkie_62:

(Start: 12 @37124 has 3 MA's), (16, 37172), (24, 37319), (25, 37361), (26, 37376), (35, 37505), (38, 37547), (39, 37571),

Gene: Raphaella_57 Start: 33209, Stop: 33670, Start Num: 13

Candidate Starts for Raphaella_57:

(Start: 13 @33209 has 2 MA's), (16, 33254), (17, 33275), (27, 33473), (32, 33521), (33, 33539), (37, 33644),

Gene: Richie_60 Start: 34284, Stop: 34706, Start Num: 14

Candidate Starts for Richie_60:

(11, 34257), (Start: 13 @34269 has 2 MA's), (Start: 14 @34284 has 1 MA's), (16, 34314), (20, 34389), (26, 34518), (28, 34536), (30, 34560), (36, 34656), (37, 34680),

Gene: Tapioca_58 Start: 38788, Stop: 39339, Start Num: 6

Candidate Starts for Tapioca_58:

(1, 38590), (2, 38650), (3, 38683), (4, 38719), (5, 38785), (Start: 6 @38788 has 2 MA's), (16, 38926), (22, 39013), (24, 39076), (26, 39133), (28, 39151), (37, 39301), (40, 39331),

Gene: Yeezy_68 Start: 43930, Stop: 44385, Start Num: 12

Candidate Starts for Yeezy_68:

(Start: 12 @43930 has 3 MA's), (16, 43978), (21, 44056), (24, 44125), (26, 44182), (29, 44221), (35, 44311), (37, 44350),

Gene: YoungHarleezy_58 Start: 33817, Stop: 34209, Start Num: 16

Candidate Starts for YoungHarleezy_58:

(Start: 13 @33772 has 2 MA's), (Start: 14 @33787 has 1 MA's), (16, 33817), (20, 33892), (26, 34021), (28, 34039), (30, 34063), (36, 34159), (37, 34183),