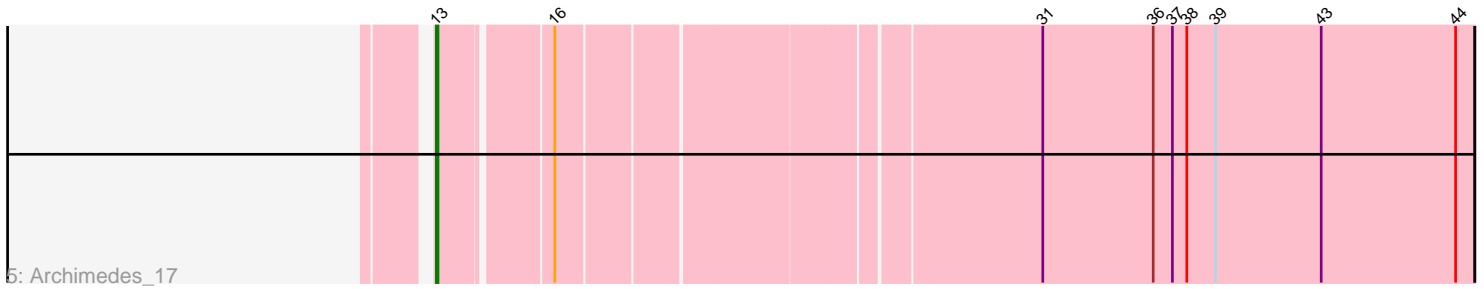
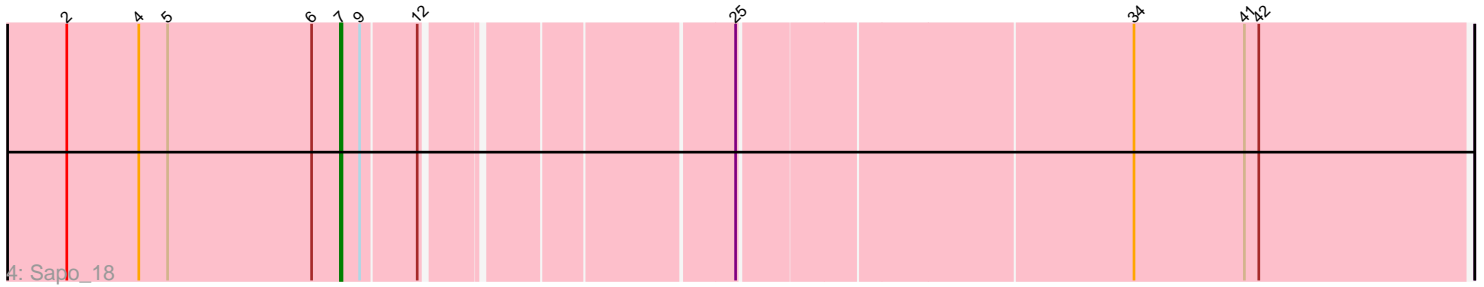
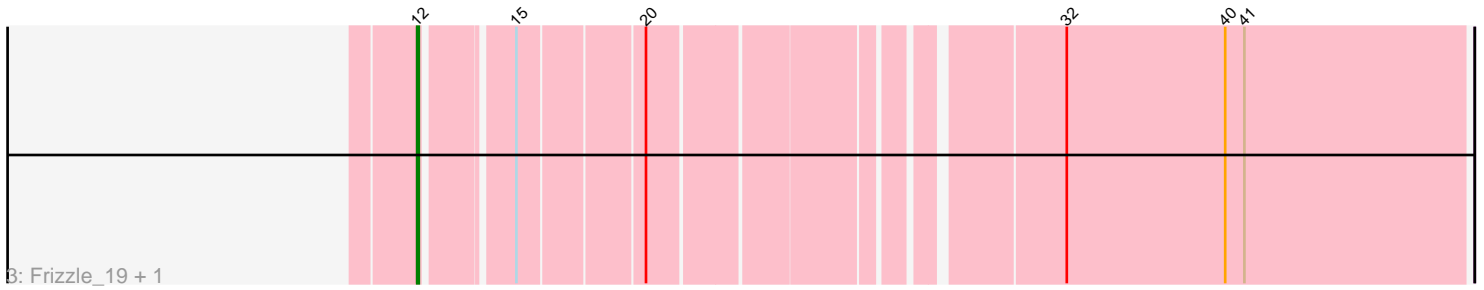
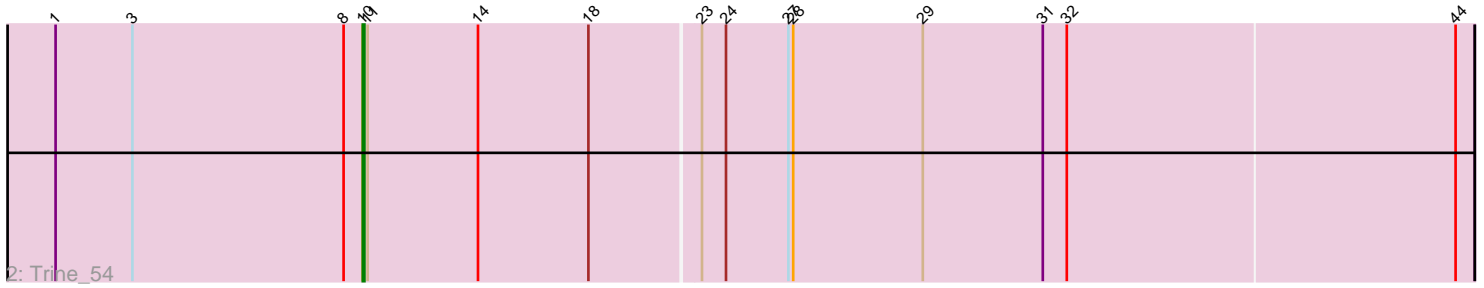
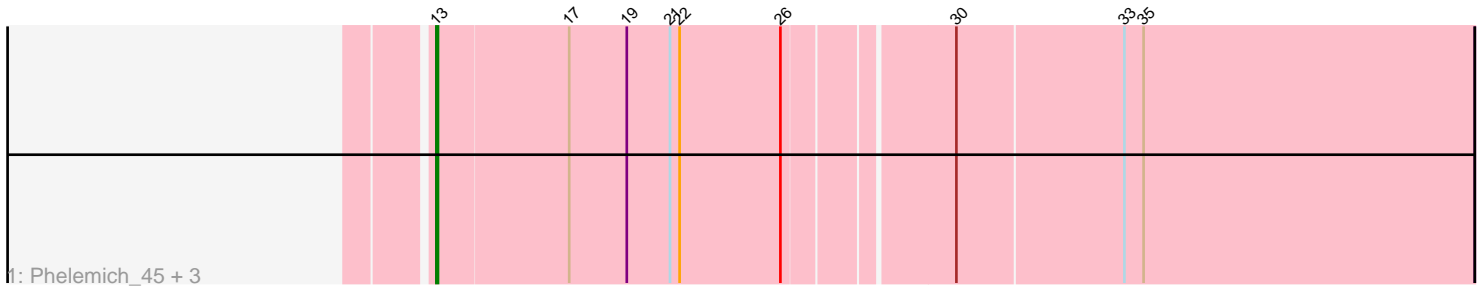


Pham 194578



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 194578 Report

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

Pham number 194578 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Phelemich_45, Mysterious_47, Reprobate_46, Nehemiah_45
- Track 2 : Trine_54
- Track 3 : Frizzle_19, Ghobes_19
- Track 4 : Sapo_18
- Track 5 : Archimedes_17

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

The start number called the most often in the published annotations is 13, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Archimedes_17, Mysterious_47, Nehemiah_45, Phelemich_45, Reprobate_46,

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

-

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

- Frizzle_19, Ghobes_19, Sapo_18, Trine_54,

Summary by start number:

Start 7:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sapo_18 (DA),

Start 10:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Trine_54 (CD),

Start 12:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Frizzle_19 (DA), Ghobes_19 (DA),

Start 13:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Archimedes_17 (DA), Mysterious_47 (B5), Nehemiah_45 (B5), Phelemich_45 (B5), Reprobate_46 (B5),

Summary by clusters:

There are 3 clusters represented in this pham: B5, DA, CD,

Info for manual annotations of cluster B5:

- Start number 13 was manually annotated 2 times for cluster B5.

Info for manual annotations of cluster CD:

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

Info for manual annotations of cluster DA:

- Start number 7 was manually annotated 1 time for cluster DA.
- Start number 12 was manually annotated 1 time for cluster DA.
- Start number 13 was manually annotated 1 time for cluster DA.

Gene Information:

Gene: Archimedes_17 Start: 16783, Stop: 16172, Start Num: 13

Candidate Starts for Archimedes_17:

(Start: 13 @16783 has 3 MA's), (16, 16720), (31, 16441), (36, 16372), (37, 16360), (38, 16351), (39, 16333), (43, 16267), (44, 16183),

Gene: Frizzle_19 Start: 17372, Stop: 16779, Start Num: 12

Candidate Starts for Frizzle_19:

(Start: 12 @17372 has 1 MA's), (15, 17324), (20, 17252), (32, 17027), (40, 16928), (41, 16916),

Gene: Ghobes_19 Start: 17373, Stop: 16780, Start Num: 12

Candidate Starts for Ghobes_19:

(Start: 12 @17373 has 1 MA's), (15, 17325), (20, 17253), (32, 17028), (40, 16929), (41, 16917),

Gene: Mysterious_47 Start: 41019, Stop: 40390, Start Num: 13

Candidate Starts for Mysterious_47:

(Start: 13 @41019 has 3 MA's), (17, 40938), (19, 40902), (21, 40875), (22, 40869), (26, 40806), (30, 40710), (33, 40608), (35, 40596),

Gene: Nehemiah_45 Start: 41019, Stop: 40390, Start Num: 13

Candidate Starts for Nehemiah_45:

(Start: 13 @41019 has 3 MA's), (17, 40938), (19, 40902), (21, 40875), (22, 40869), (26, 40806), (30, 40710), (33, 40608), (35, 40596),

Gene: Phelemich_45 Start: 41018, Stop: 40389, Start Num: 13

Candidate Starts for Phelemich_45:

(Start: 13 @41018 has 3 MA's), (17, 40937), (19, 40901), (21, 40874), (22, 40868), (26, 40805), (30, 40709), (33, 40607), (35, 40595),

Gene: Reprobate_46 Start: 41023, Stop: 40394, Start Num: 13

Candidate Starts for Reprobate_46:

(Start: 13 @41023 has 3 MA's), (17, 40942), (19, 40906), (21, 40879), (22, 40873), (26, 40810), (30, 40714), (33, 40612), (35, 40600),

Gene: Sapo_18 Start: 17320, Stop: 16661, Start Num: 7

Candidate Starts for Sapo_18:

(2, 17491), (4, 17446), (5, 17428), (6, 17338), (Start: 7 @17320 has 1 MA's), (9, 17308), (Start: 12 @17275 has 1 MA's), (25, 17101), (34, 16867), (41, 16798), (42, 16789),

Gene: Trine_54 Start: 39655, Stop: 38969, Start Num: 10

Candidate Starts for Trine_54:

(1, 39847), (3, 39799), (8, 39667), (Start: 10 @39655 has 1 MA's), (11, 39652), (14, 39583), (18, 39514), (23, 39448), (24, 39433), (27, 39394), (28, 39391), (29, 39310), (31, 39235), (32, 39220), (44, 38980),