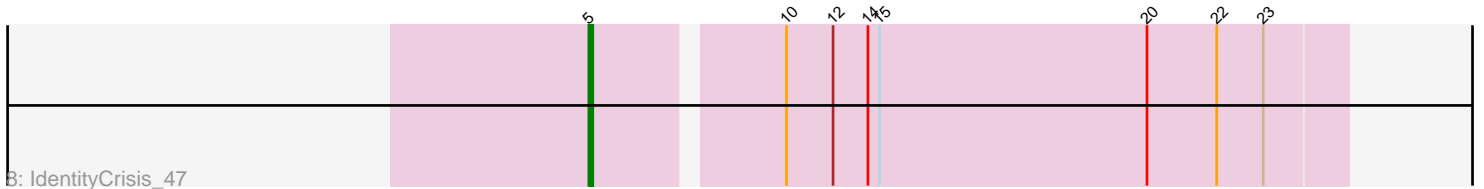
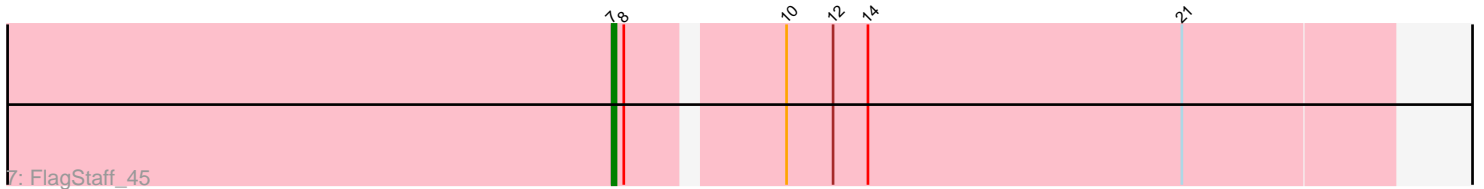
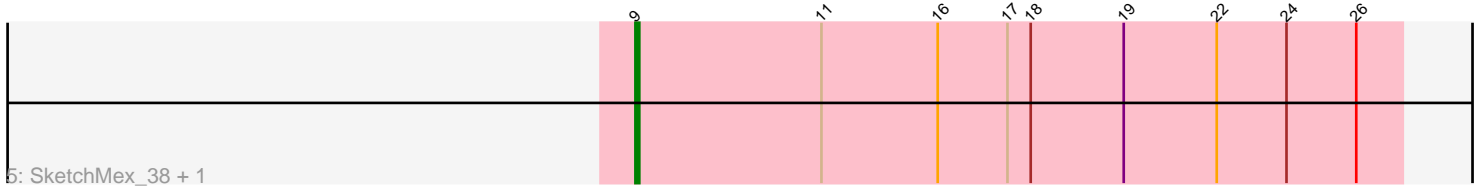
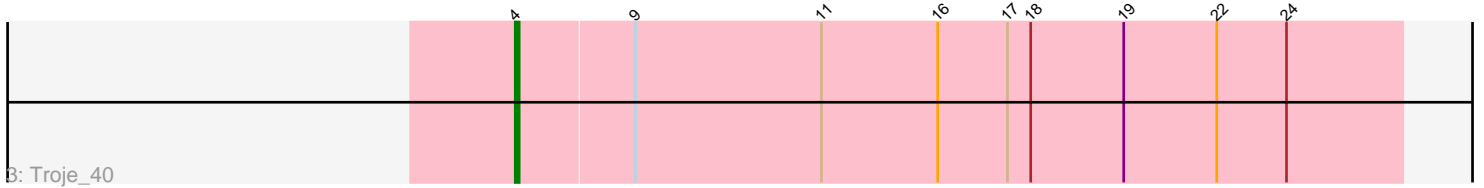
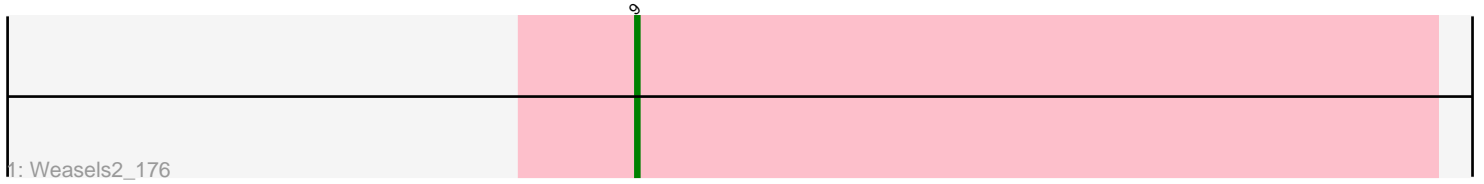


Pham 225129



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 225129 Report

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

Pham number 225129 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Weasels2_176
- Track 2 : Scuba_5
- Track 3 : Troje_40
- Track 4 : Blondies_40
- Track 5 : SketchMex_38, Biskit_40
- Track 6 : Towmatter_110
- Track 7 : FlagStaff_45
- Track 8 : IdentityCrisis_47

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

The start number called the most often in the published annotations is 9, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Biskit_40, Blondies_40, SketchMex_38, Weasels2_176,

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

- Troje_40,

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

- FlagStaff_45, IdentityCrisis_47, Scuba_5, Towmatter_110,

Summary by start number:

Start 4:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Troje_40 (CT),

Start 5:

- Found in 2 of 9 (22.2%) 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: IdentityCrisis_47 (singleton), Towmatter_110 (DL),

Start 6:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Scuba_5 (CR5),

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: FlagStaff_45 (G2),

Start 9:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Biskit_40 (CT), Blondies_40 (CT), SketchMex_38 (CT), Weasels2_176 (CB),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, G2, CR5, CB, DL, CT,

Info for manual annotations of cluster CB:

- Start number 9 was manually annotated 1 time for cluster CB.

Info for manual annotations of cluster CT:

- Start number 4 was manually annotated 1 time for cluster CT.
- Start number 9 was manually annotated 2 times for cluster CT.

Info for manual annotations of cluster G2:

- Start number 7 was manually annotated 1 time for cluster G2.

Gene Information:

Gene: Biskit_40 Start: 27315, Stop: 27118, Start Num: 9

Candidate Starts for Biskit_40:

(Start: 9 @27315 has 3 MA's), (11, 27267), (16, 27237), (17, 27219), (18, 27213), (19, 27189), (22, 27165), (24, 27147), (26, 27129),

Gene: Blondies_40 Start: 27633, Stop: 27436, Start Num: 9

Candidate Starts for Blondies_40:

(Start: 4 @27663 has 1 MA's), (Start: 9 @27633 has 3 MA's), (11, 27585), (16, 27555), (17, 27537), (18, 27531), (19, 27507), (22, 27483), (24, 27465),

Gene: FlagStaff_45 Start: 36055, Stop: 36249, Start Num: 7

Candidate Starts for FlagStaff_45:

(Start: 7 @36055 has 1 MA's), (8, 36058), (10, 36094), (12, 36106), (14, 36115), (21, 36196),

Gene: IdentityCrisis_47 Start: 31026, Stop: 31214, Start Num: 5

Candidate Starts for IdentityCrisis_47:

(Start: 5 @31026 has 1 MA's), (10, 31071), (12, 31083), (14, 31092), (15, 31095), (20, 31164), (22, 31182), (23, 31194),

Gene: Scuba_5 Start: 3052, Stop: 3264, Start Num: 6

Candidate Starts for Scuba_5:

(1, 2929), (2, 2980), (3, 3028), (6, 3052), (17, 3157), (22, 3211), (24, 3229), (25, 3235),

Gene: SketchMex_38 Start: 27315, Stop: 27118, Start Num: 9

Candidate Starts for SketchMex_38:

(Start: 9 @27315 has 3 MA's), (11, 27267), (16, 27237), (17, 27219), (18, 27213), (19, 27189), (22, 27165), (24, 27147), (26, 27129),

Gene: Towmatter_110 Start: 68561, Stop: 68797, Start Num: 5

Candidate Starts for Towmatter_110:

(Start: 5 @68561 has 1 MA's), (13, 68630), (14, 68633),

Gene: Troje_40 Start: 27694, Stop: 27467, Start Num: 4

Candidate Starts for Troje_40:

(Start: 4 @27694 has 1 MA's), (Start: 9 @27664 has 3 MA's), (11, 27616), (16, 27586), (17, 27568), (18, 27562), (19, 27538), (22, 27514), (24, 27496),

Gene: Weasels2_176 Start: 96304, Stop: 96510, Start Num: 9

Candidate Starts for Weasels2_176:

(Start: 9 @96304 has 3 MA's),