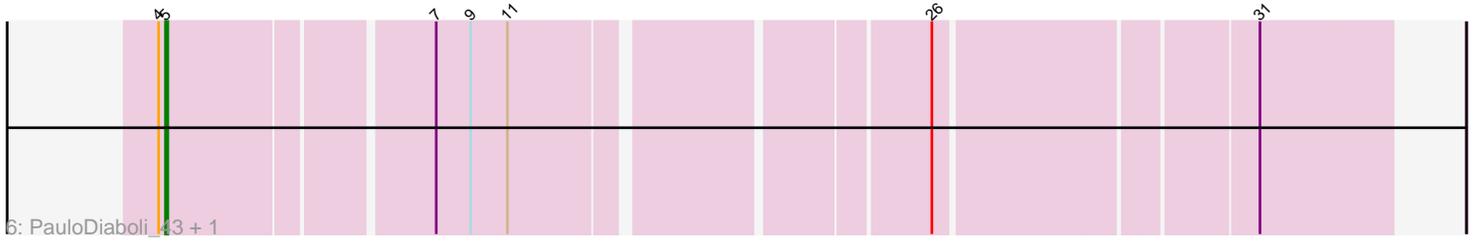
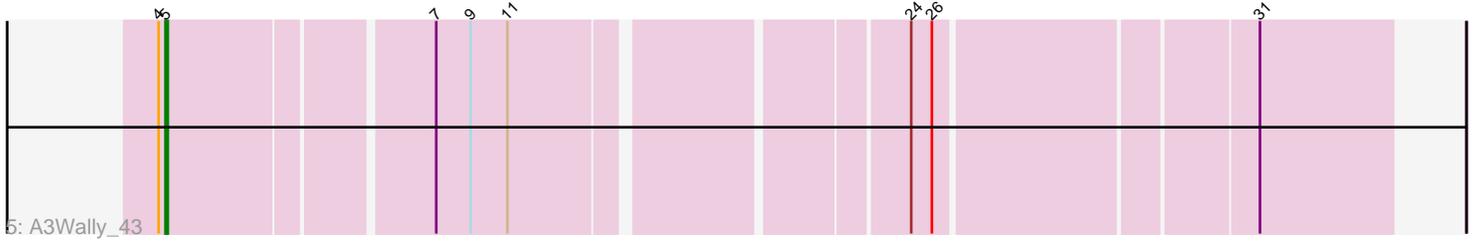
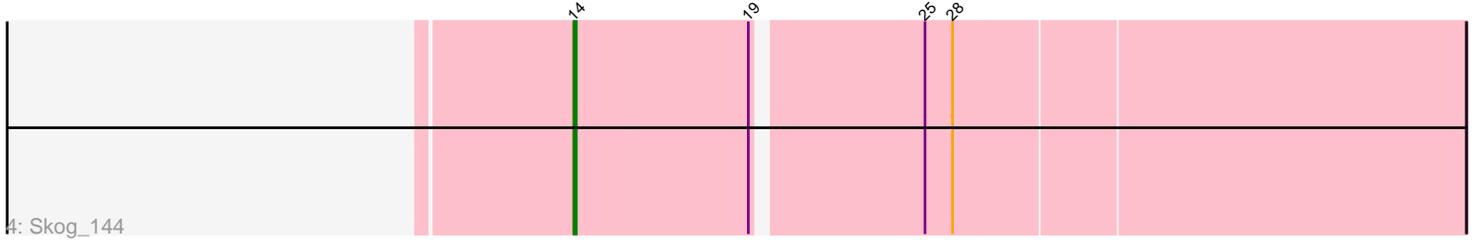
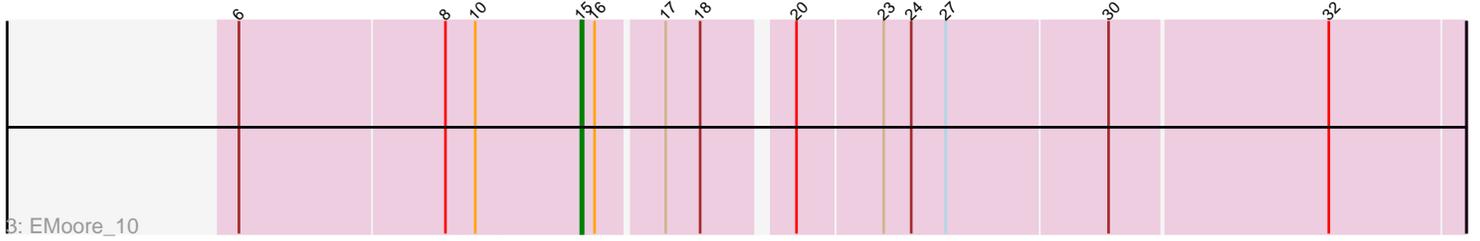
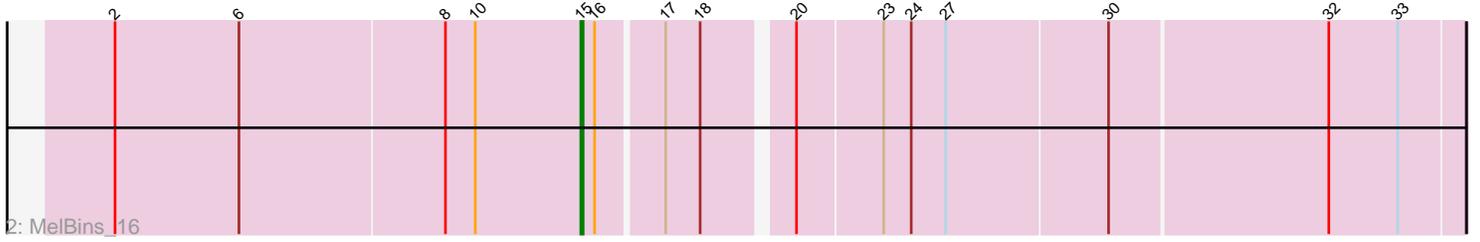
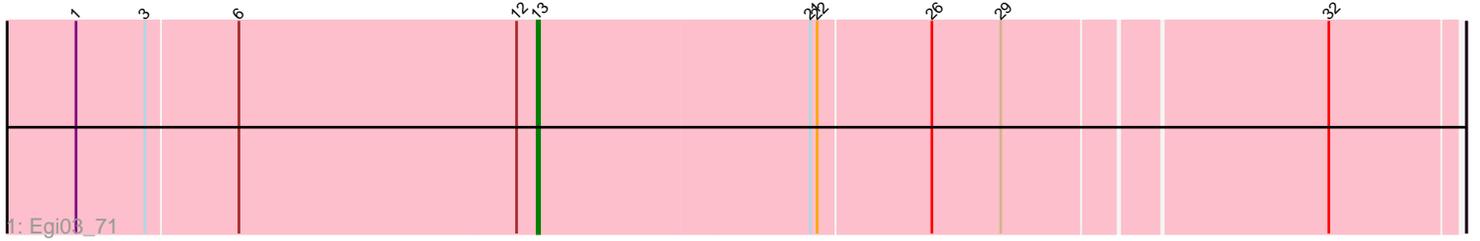


Pham 284535



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 284535 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284535 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Egi03_71
- Track 2 : MelBins_16
- Track 3 : EMoore_10
- Track 4 : Skog_144
- Track 5 : A3Wally_43
- Track 6 : PauloDiaboli_43, Dodo_44

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

The start number called the most often in the published annotations is 15, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EMoore_10, MelBins_16,

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

-

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

- A3Wally_43, Dodo_44, Egi03_71, PauloDiaboli_43, Skog_144,

Summary by start number:

Start 5:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_43 (GD1), Dodo_44 (GD1), PauloDiaboli_43 (GD1),

Start 13:

- Found in 1 of 7 (14.3%) 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: Egi03_71 (DC1),

Start 14:

- Found in 1 of 7 (14.3%) 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: Skog_144 (DO),

Start 15:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EMoore_10 (DE2), MeIBins_16 (DE2),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, DE2, DC1, DO,

Info for manual annotations of cluster DC1:

- Start number 13 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster DE2:

- Start number 15 was manually annotated 2 times for cluster DE2.

Info for manual annotations of cluster DO:

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

Info for manual annotations of cluster GD1:

- Start number 5 was manually annotated 2 times for cluster GD1.

Gene Information:

Gene: A3Wally_43 Start: 16207, Stop: 15722, Start Num: 5

Candidate Starts for A3Wally_43:

(4, 16210), (Start: 5 @16207 has 2 MA's), (7, 16102), (9, 16087), (11, 16072), (24, 15916), (26, 15907), (31, 15778),

Gene: Dodo_44 Start: 16080, Stop: 15595, Start Num: 5

Candidate Starts for Dodo_44:

(4, 16083), (Start: 5 @16080 has 2 MA's), (7, 15975), (9, 15960), (11, 15945), (26, 15780), (31, 15651),

Gene: EMoore_10 Start: 8765, Stop: 9127, Start Num: 15

Candidate Starts for EMoore_10:

(6, 8621), (8, 8708), (10, 8720), (Start: 15 @8765 has 2 MA's), (16, 8771), (17, 8798), (18, 8813), (20, 8846), (23, 8882), (24, 8894), (27, 8909), (30, 8978), (32, 9071),

Gene: Egi03_71 Start: 49655, Stop: 50041, Start Num: 13

Candidate Starts for Egi03_71:

(1, 49457), (3, 49487), (6, 49526), (12, 49646), (Start: 13 @49655 has 1 MA's), (21, 49772), (22, 49775), (26, 49823), (29, 49853), (32, 49988),

Gene: MelBins_16 Start: 11228, Stop: 11590, Start Num: 15

Candidate Starts for MelBins_16:

(2, 11030), (6, 11084), (8, 11171), (10, 11183), (Start: 15 @11228 has 2 MA's), (16, 11234), (17, 11261), (18, 11276), (20, 11309), (23, 11345), (24, 11357), (27, 11372), (30, 11441), (32, 11534), (33, 11564),

Gene: PauloDiaboli_43 Start: 16043, Stop: 15558, Start Num: 5

Candidate Starts for PauloDiaboli_43:

(4, 16046), (Start: 5 @16043 has 2 MA's), (7, 15938), (9, 15923), (11, 15908), (26, 15743), (31, 15614),

Gene: Skog_144 Start: 60432, Stop: 60806, Start Num: 14

Candidate Starts for Skog_144:

(Start: 14 @60432 has 1 MA's), (19, 60507), (25, 60576), (28, 60588),