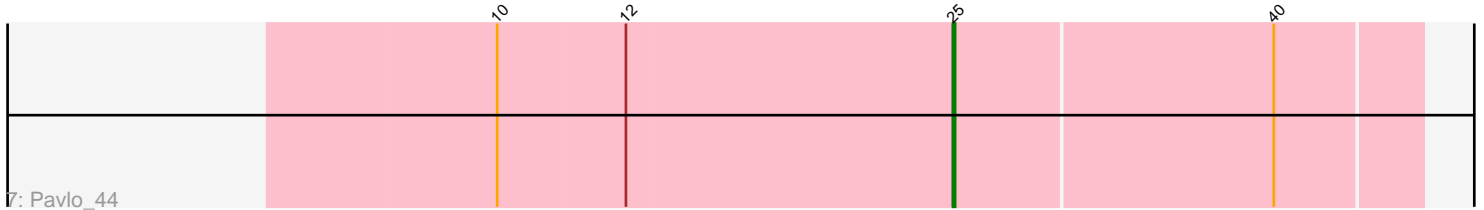
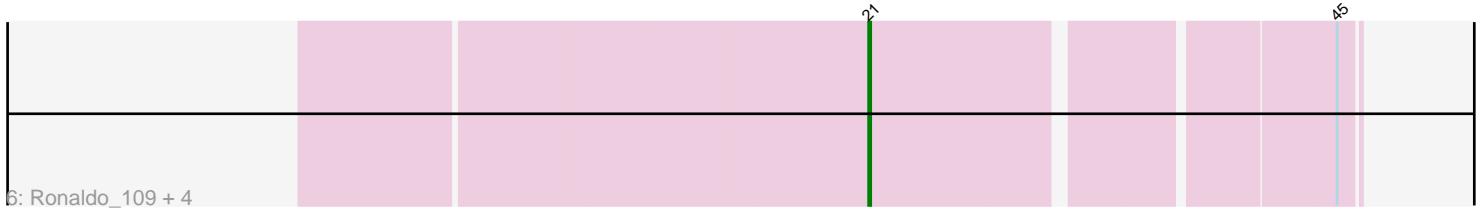
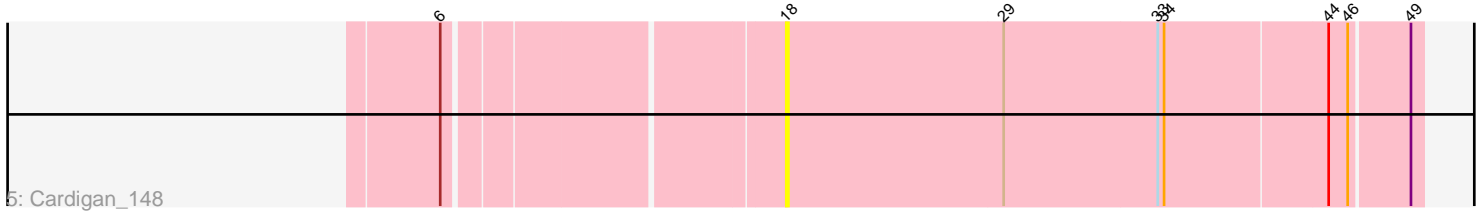
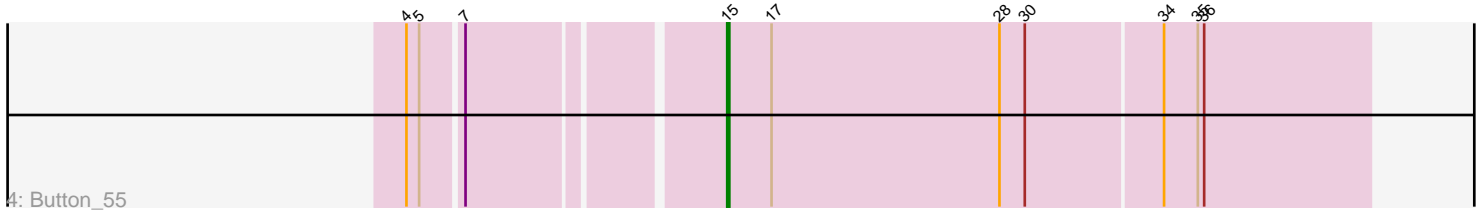
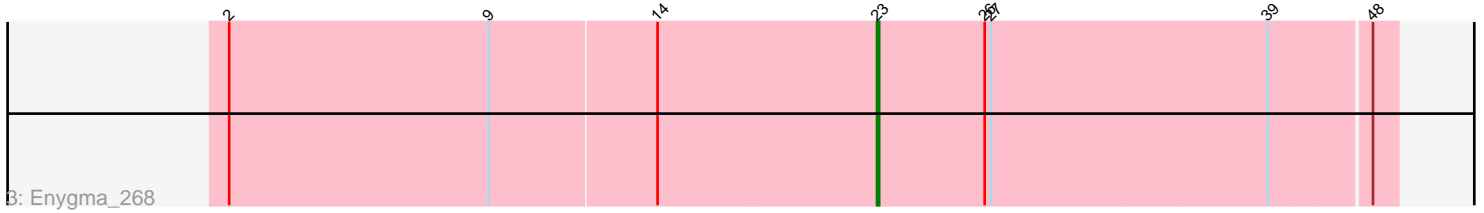
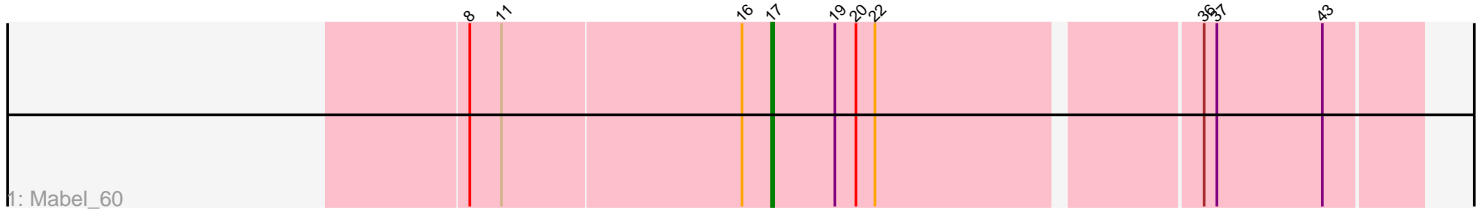


Pham 216769



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 216769 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216769 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Mabel_60
- Track 2 : Shaffner_28
- Track 3 : Enygma_268
- Track 4 : Button_55
- Track 5 : Cardigan_148
- Track 6 : Ronaldo_109, Fryberger_107, Guey18_112, Volt_111, Ziko_110
- Track 7 : Pavlo_44

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

The start number called the most often in the published annotations is 21, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Fryberger_107, Guey18_112, Ronaldo_109, Volt_111, Ziko_110,

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

-

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

- Button_55, Cardigan_148, Enygma_268, Mabel_60, Pavlo_44, Shaffner_28,

Summary by start number:

Start 15:

- Found in 1 of 11 (9.1%) 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: Button_55 (CT),

Start 17:

- Found in 2 of 11 (18.2%) 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: Mabel_60 (A11),

Start 18:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_148 (DD),

Start 21:

- Found in 5 of 11 (45.5%) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fryberger_107 (DP), Guey18_112 (DP), Ronaldo_109 (DP), Volt_111 (DP), Ziko_110 (DP),

Start 23:

- Found in 1 of 11 (9.1%) 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: Enyigma_268 (BE2),

Start 24:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shaffner_28 (AZ1),

Start 25:

- Found in 1 of 11 (9.1%) 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: Pavlo_44 (ED1),

Summary by clusters:

There are 7 clusters represented in this pham: A11, DD, ED1, BE2, AZ1, DP, CT,

Info for manual annotations of cluster A11:

- Start number 17 was manually annotated 1 time for cluster A11.

Info for manual annotations of cluster BE2:

- Start number 23 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster CT:

- Start number 15 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster DP:

- Start number 21 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster ED1:

- Start number 25 was manually annotated 1 time for cluster ED1.

Gene Information:

Gene: Button_55 Start: 37507, Stop: 37208, Start Num: 15

Candidate Starts for Button_55:

(4, 37642), (5, 37636), (7, 37618), (Start: 15 @37507 has 1 MA's), (Start: 17 @37486 has 1 MA's), (28, 37378), (30, 37366), (34, 37303), (35, 37288), (36, 37285),

Gene: Cardigan_148 Start: 81042, Stop: 81335, Start Num: 18

Candidate Starts for Cardigan_148:

(6, 80895), (18, 81042), (29, 81144), (33, 81216), (34, 81219), (44, 81294), (46, 81303), (49, 81330),

Gene: Enygma_268 Start: 121650, Stop: 121411, Start Num: 23

Candidate Starts for Enygma_268:

(2, 121953), (9, 121830), (14, 121752), (Start: 23 @121650 has 1 MA's), (26, 121599), (27, 121596), (39, 121467), (48, 121422),

Gene: Fryberger_107 Start: 52902, Stop: 53111, Start Num: 21

Candidate Starts for Fryberger_107:

(Start: 21 @52902 has 5 MA's), (45, 53103),

Gene: Guey18_112 Start: 54225, Stop: 54434, Start Num: 21

Candidate Starts for Guey18_112:

(Start: 21 @54225 has 5 MA's), (45, 54426),

Gene: Mabel_60 Start: 38750, Stop: 38463, Start Num: 17

Candidate Starts for Mabel_60:

(8, 38888), (11, 38873), (16, 38762), (Start: 17 @38750 has 1 MA's), (19, 38720), (20, 38711), (22, 38702), (36, 38561), (37, 38555), (43, 38507),

Gene: Pavlo_44 Start: 22885, Stop: 22676, Start Num: 25

Candidate Starts for Pavlo_44:

(10, 23098), (12, 23038), (Start: 25 @22885 has 1 MA's), (40, 22741),

Gene: Ronaldo_109 Start: 53807, Stop: 54016, Start Num: 21

Candidate Starts for Ronaldo_109:

(Start: 21 @53807 has 5 MA's), (45, 54008),

Gene: Shaffner_28 Start: 23255, Stop: 23539, Start Num: 24

Candidate Starts for Shaffner_28:

(1, 22853), (3, 22994), (13, 23138), (24, 23255), (26, 23300), (31, 23369), (32, 23372), (38, 23414), (41, 23444), (42, 23453), (47, 23477),

Gene: Volt_111 Start: 53971, Stop: 54180, Start Num: 21

Candidate Starts for Volt_111:

(Start: 21 @53971 has 5 MA's), (45, 54172),

Gene: Ziko_110 Start: 53813, Stop: 54022, Start Num: 21

Candidate Starts for Ziko_110:

(Start: 21 @53813 has 5 MA's), (45, 54014),