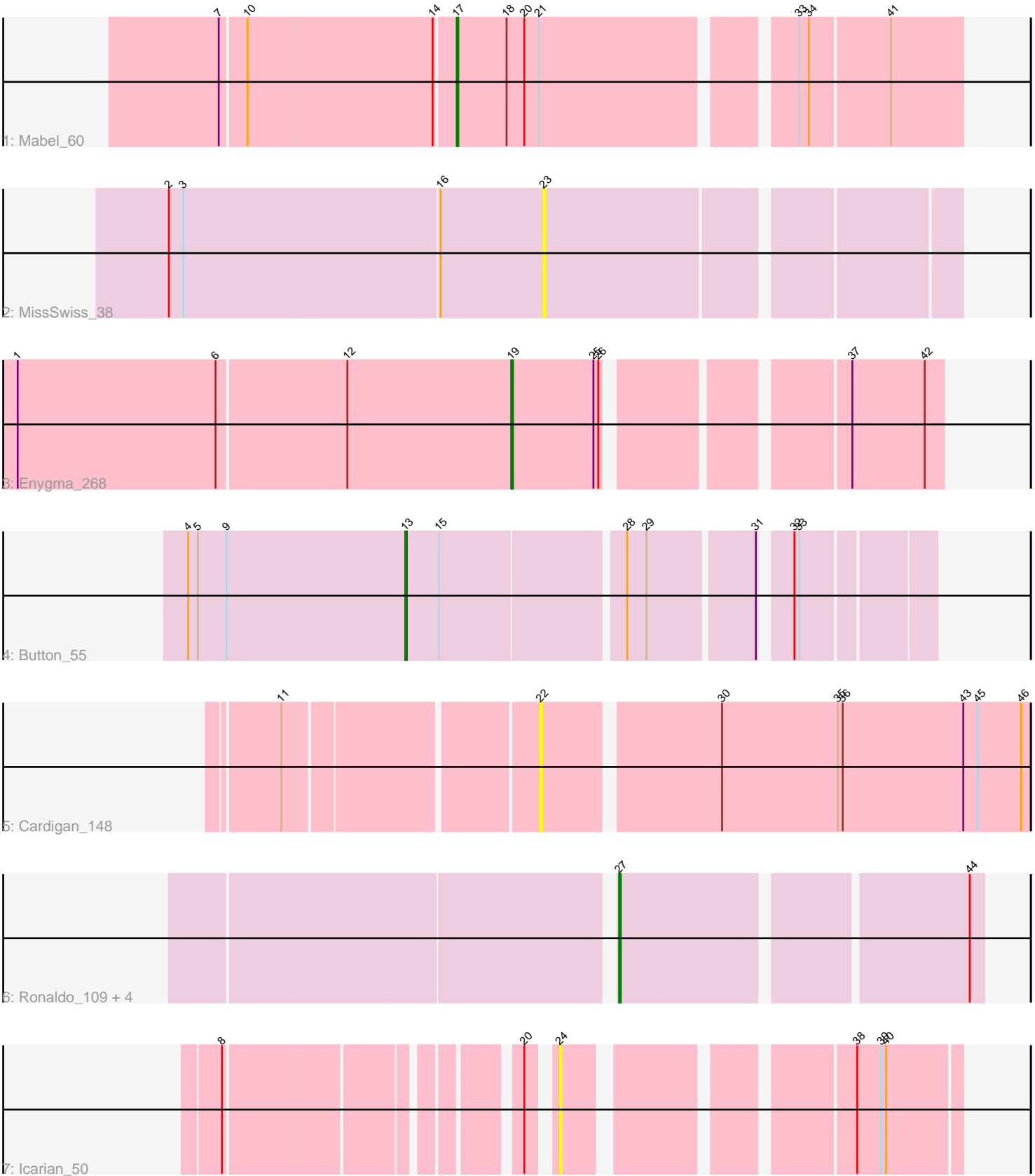


Pham 149310



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 149310 Report

This analysis was run 04/28/24 on database version 559.

Pham number 149310 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Mabel_60
- Track 2 : MissSwiss_38
- 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 : Icarian_50

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

The start number called the most often in the published annotations is 27, it was called in 5 of the 8 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, Icarian_50, Mabel_60, MissSwiss_38,

Summary by start number:

Start 13:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Button_55 (CT),

Start 17:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Mabel_60 (A11),

Start 19:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Enygma_268 (BE2),

Start 22:

- 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 23:

- 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: MissSwiss_38 (AZ1),

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: Icarian_50 (EB),

Start 27:

- Found in 5 of 11 (45.5%) of genes in pham
- Manual Annotations of this start: 5 of 8
- 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),

Summary by clusters:

There are 7 clusters represented in this pham: A11, DD, EB, 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 19 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster CT:

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

Info for manual annotations of cluster DP:

- Start number 27 was manually annotated 5 times for cluster DP.

Gene Information:

Gene: Button_55 Start: 37507, Stop: 37208, Start Num: 13

Candidate Starts for Button_55:

(4, 37642), (5, 37636), (9, 37618), (Start: 13 @37507 has 1 MA's), (15, 37486), (28, 37378), (29, 37366), (31, 37303), (32, 37288), (33, 37285),

Gene: Cardigan_148 Start: 81042, Stop: 81335, Start Num: 22

Candidate Starts for Cardigan_148:

(11, 80895), (22, 81042), (30, 81144), (35, 81216), (36, 81219), (43, 81294), (45, 81303), (46, 81330),

Gene: Enygma_268 Start: 121650, Stop: 121411, Start Num: 19

Candidate Starts for Enygma_268:

(1, 121953), (6, 121830), (12, 121752), (Start: 19 @121650 has 1 MA's), (25, 121599), (26, 121596), (37, 121467), (42, 121422),

Gene: Fryberger_107 Start: 52902, Stop: 53111, Start Num: 27

Candidate Starts for Fryberger_107:

(Start: 27 @52902 has 5 MA's), (44, 53103),

Gene: Guey18_112 Start: 54225, Stop: 54434, Start Num: 27

Candidate Starts for Guey18_112:

(Start: 27 @54225 has 5 MA's), (44, 54426),

Gene: Icarian_50 Start: 33472, Stop: 33684, Start Num: 24

Candidate Starts for Icarian_50:

(8, 33307), (20, 33460), (24, 33472), (38, 33622), (39, 33637), (40, 33640),

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

Candidate Starts for Mabel_60:

(7, 38888), (10, 38873), (14, 38762), (Start: 17 @38750 has 1 MA's), (18, 38720), (20, 38711), (21, 38702), (33, 38561), (34, 38555), (41, 38507),

Gene: MissSwiss_38 Start: 27620, Stop: 27859, Start Num: 23

Candidate Starts for MissSwiss_38:

(2, 27392), (3, 27401), (16, 27557), (23, 27620),

Gene: Ronaldo_109 Start: 53807, Stop: 54016, Start Num: 27

Candidate Starts for Ronaldo_109:

(Start: 27 @53807 has 5 MA's), (44, 54008),

Gene: Volt_111 Start: 53971, Stop: 54180, Start Num: 27

Candidate Starts for Volt_111:

(Start: 27 @53971 has 5 MA's), (44, 54172),

Gene: Ziko_110 Start: 53813, Stop: 54022, Start Num: 27

Candidate Starts for Ziko_110:

(Start: 27 @53813 has 5 MA's), (44, 54014),