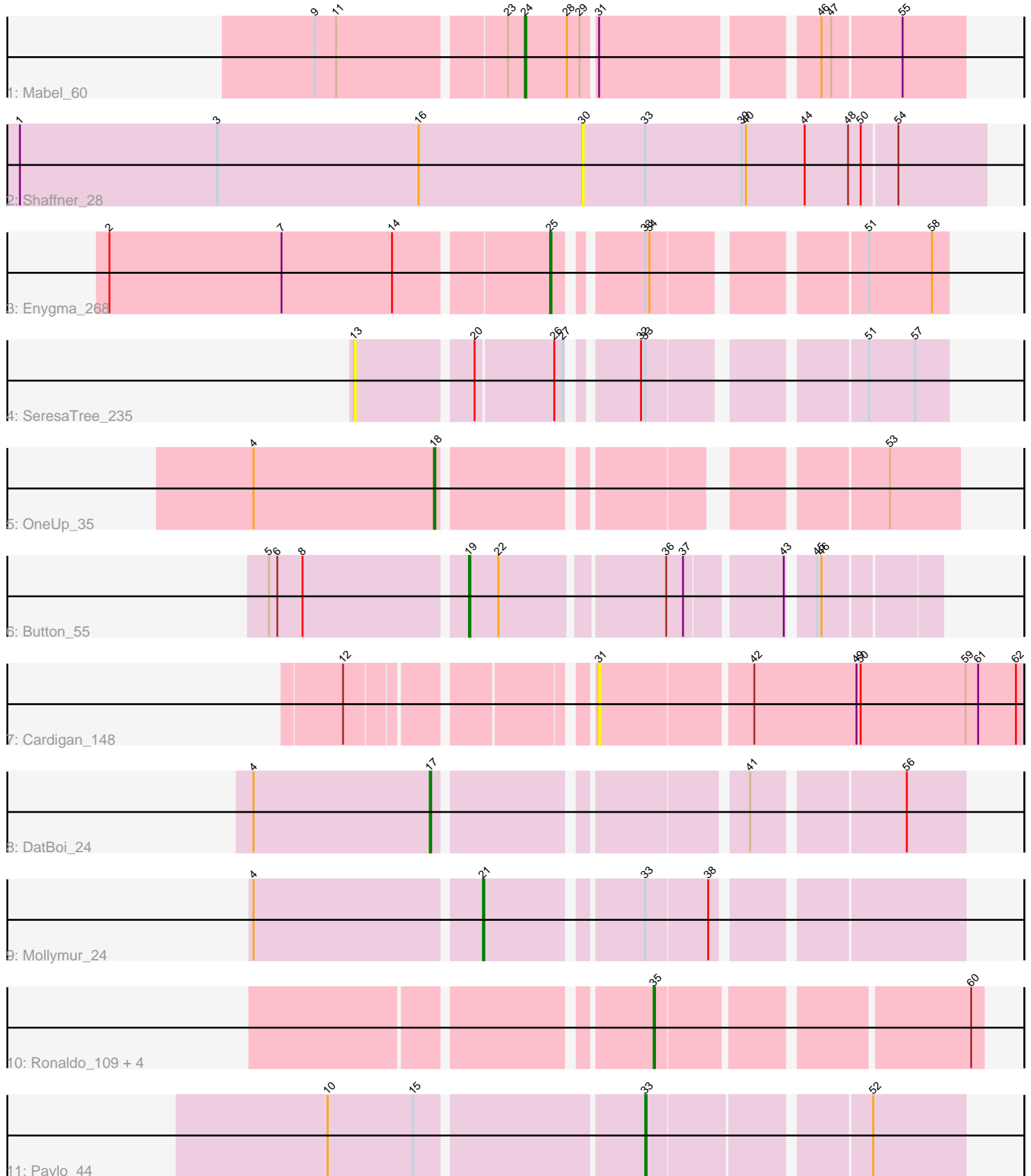


# Pham 203419



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 203419 Report

This analysis was run 01/25/25 on database version 584.

Pham number 203419 has 15 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Mabel\_60
- Track 2 : Shaffner\_28
- Track 3 : Enygma\_268
- Track 4 : SeresaTree\_235
- Track 5 : OneUp\_35
- Track 6 : Button\_55
- Track 7 : Cardigan\_148
- Track 8 : DatBoi\_24
- Track 9 : Mollymur\_24
- Track 10 : Ronaldo\_109, Fryberger\_107, Guey18\_112, Volt\_111, Ziko\_110
- Track 11 : 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 35, it was called in 5 of the 12 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, DatBoi\_24, Enygma\_268, Mabel\_60, Mollymur\_24, OneUp\_35, Pavlo\_44, SeresaTree\_235, Shaffner\_28,

### **Summary by start number:**

Start 13:

- Found in 1 of 15 ( 6.7% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SeresaTree\_235 (BK1),

Start 17:

- Found in 1 of 15 ( 6.7% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DatBoi\_24 (DL),

Start 18:

- Found in 1 of 15 ( 6.7% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OneUp\_35 (CQ2),

Start 19:

- Found in 1 of 15 ( 6.7% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Button\_55 (CT),

Start 21:

- Found in 1 of 15 ( 6.7% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mollymur\_24 (DL),

Start 24:

- Found in 1 of 15 ( 6.7% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mabel\_60 (A11),

Start 25:

- Found in 1 of 15 ( 6.7% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Enygma\_268 (BE2),

Start 30:

- Found in 1 of 15 ( 6.7% ) 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 31:

- Found in 2 of 15 ( 13.3% ) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cardigan\_148 (DD),

Start 33:

- Found in 5 of 15 ( 33.3% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 20.0% of time when present

- Phage (with cluster) where this start called: Pavlo\_44 (ED1),

Start 35:

- Found in 5 of 15 ( 33.3% ) of genes in pham
- Manual Annotations of this start: 5 of 12
- 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 10 clusters represented in this pham: DL, A11, DD, ED1, BK1, AZ1, BE2, CQ2, DP, CT,

Info for manual annotations of cluster A11:

- Start number 24 was manually annotated 1 time for cluster A11.

Info for manual annotations of cluster BE2:

- Start number 25 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster CQ2:

- Start number 18 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CT:

- Start number 19 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster DL:

- Start number 17 was manually annotated 1 time for cluster DL.
- Start number 21 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DP:

- Start number 35 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster ED1:

- Start number 33 was manually annotated 1 time for cluster ED1.

### **Gene Information:**

Gene: Button\_55 Start: 37507, Stop: 37208, Start Num: 19

Candidate Starts for Button\_55:

(5, 37642), (6, 37636), (8, 37618), (Start: 19 @37507 has 1 MA's), (22, 37486), (36, 37378), (37, 37366), (43, 37303), (45, 37288), (46, 37285),

Gene: Cardigan\_148 Start: 81042, Stop: 81335, Start Num: 31

Candidate Starts for Cardigan\_148:

(12, 80895), (31, 81042), (42, 81144), (49, 81216), (50, 81219), (59, 81294), (61, 81303), (62, 81330),

Gene: DatBoi\_24 Start: 15695, Stop: 16030, Start Num: 17

Candidate Starts for DatBoi\_24:

(4, 15569), (Start: 17 @15695 has 1 MA's), (41, 15890), (56, 15989),

Gene: Enygma\_268 Start: 121650, Stop: 121411, Start Num: 25

Candidate Starts for Enygma\_268:

(2, 121953), (7, 121830), (14, 121752), (Start: 25 @121650 has 1 MA's), (Start: 33 @121599 has 1 MA's), (34, 121596), (51, 121467), (58, 121422),

Gene: Fryberger\_107 Start: 52902, Stop: 53111, Start Num: 35

Candidate Starts for Fryberger\_107:

(Start: 35 @52902 has 5 MA's), (60, 53103),

Gene: Guey18\_112 Start: 54225, Stop: 54434, Start Num: 35

Candidate Starts for Guey18\_112:

(Start: 35 @54225 has 5 MA's), (60, 54426),

Gene: Mabel\_60 Start: 38750, Stop: 38463, Start Num: 24

Candidate Starts for Mabel\_60:

(9, 38888), (11, 38873), (23, 38762), (Start: 24 @38750 has 1 MA's), (28, 38720), (29, 38711), (31, 38702), (46, 38561), (47, 38555), (55, 38507),

Gene: Mollymur\_24 Start: 15771, Stop: 16076, Start Num: 21

Candidate Starts for Mollymur\_24:

(4, 15615), (Start: 21 @15771 has 1 MA's), (Start: 33 @15873 has 1 MA's), (38, 15915),

Gene: OneUp\_35 Start: 15247, Stop: 15564, Start Num: 18

Candidate Starts for OneUp\_35:

(4, 15118), (Start: 18 @15247 has 1 MA's), (53, 15517),

Gene: Pavlo\_44 Start: 22885, Stop: 22676, Start Num: 33

Candidate Starts for Pavlo\_44:

(10, 23098), (15, 23038), (Start: 33 @22885 has 1 MA's), (52, 22741),

Gene: Ronaldo\_109 Start: 53807, Stop: 54016, Start Num: 35

Candidate Starts for Ronaldo\_109:

(Start: 35 @53807 has 5 MA's), (60, 54008),

Gene: SeresaTree\_235 Start: 114238, Stop: 114606, Start Num: 13

Candidate Starts for SeresaTree\_235:

(13, 114238), (20, 114316), (26, 114370), (27, 114376), (32, 114415), (Start: 33 @114418 has 1 MA's), (51, 114550), (57, 114583),

Gene: Shaffner\_28 Start: 23255, Stop: 23539, Start Num: 30

Candidate Starts for Shaffner\_28:

(1, 22853), (3, 22994), (16, 23138), (30, 23255), (Start: 33 @23300 has 1 MA's), (39, 23369), (40, 23372), (44, 23414), (48, 23444), (50, 23453), (54, 23477),

Gene: Volt\_111 Start: 53971, Stop: 54180, Start Num: 35

Candidate Starts for Volt\_111:

(Start: 35 @53971 has 5 MA's), (60, 54172),

Gene: Ziko\_110 Start: 53813, Stop: 54022, Start Num: 35

Candidate Starts for Ziko\_110:

(Start: 35 @53813 has 5 MA's), (60, 54014),