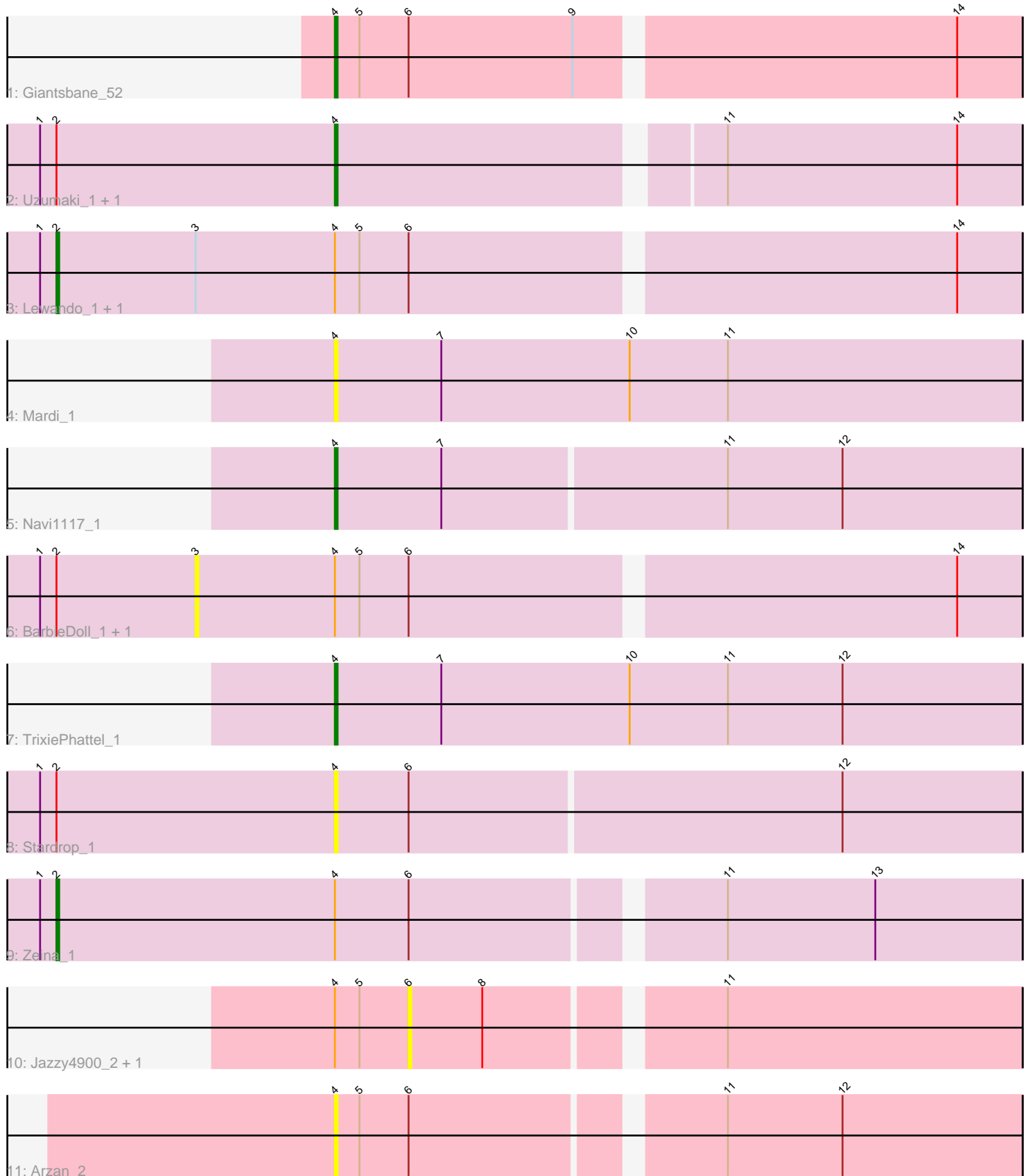


# Pham 233907



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 233907 Report

This analysis was run 02/07/26 on database version 634.

Pham number 233907 has 15 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Giantsbane\_52
- Track 2 : Uzumaki\_1, Tenney120\_1
- Track 3 : Lewando\_1, Kinny\_1
- Track 4 : Mardi\_1
- Track 5 : Navi1117\_1
- Track 6 : BarbieDoll\_1, Renaldo\_1
- Track 7 : TrixiePhattel\_1
- Track 8 : Stardrop\_1
- Track 9 : Zeina\_1
- Track 10 : Jazzy4900\_2, Sunny4976\_2
- Track 11 : Arzan\_2

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arzan\_2, Giantsbane\_52, Mardi\_1, Navi1117\_1, Stardrop\_1, Tenney120\_1, TrixiePhattel\_1, Uzumaki\_1,

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

- BarbieDoll\_1, Jazzy4900\_2, Kinny\_1, Lewando\_1, Renaldo\_1, Sunny4976\_2, Zeina\_1,

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

- 

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

Start 2:

- Found in 8 of 15 ( 53.3% ) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 37.5% of time when present

- Phage (with cluster) where this start called: Kinny\_1 (AU6), Lewando\_1 (AU6), Zeina\_1 (AU6),

Start 3:

- Found in 4 of 15 ( 26.7% ) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BarbieDoll\_1 (AU6), Renaldo\_1 (AU6),

Start 4:

- Found in 15 of 15 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 53.3% of time when present
- Phage (with cluster) where this start called: Arzan\_2 (FI), Giantsbane\_52 (AU2), Mardi\_1 (AU6), Navi1117\_1 (AU6), Stardrop\_1 (AU6), Tenney120\_1 (AU6), TrixiePhattel\_1 (AU6), Uzumaki\_1 (AU6),

Start 6:

- Found in 10 of 15 ( 66.7% ) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Jazzy4900\_2 (FI), Sunny4976\_2 (FI),

### **Summary by clusters:**

There are 3 clusters represented in this pham: FI, AU2, AU6,

Info for manual annotations of cluster AU2:

- Start number 4 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster AU6:

- Start number 2 was manually annotated 3 times for cluster AU6.
- Start number 4 was manually annotated 4 times for cluster AU6.

### **Gene Information:**

Gene: Arzan\_2 Start: 879, Stop: 1118, Start Num: 4

Candidate Starts for Arzan\_2:

(Start: 4 @879 has 5 MA's), (5, 888), (6, 906), (11, 1011), (12, 1053),

Gene: BarbieDoll\_1 Start: 334, Stop: 627, Start Num: 3

Candidate Starts for BarbieDoll\_1:

(1, 277), (Start: 2 @283 has 3 MA's), (3, 334), (Start: 4 @385 has 5 MA's), (5, 394), (6, 412), (14, 604),

Gene: Giantsbane\_52 Start: 34712, Stop: 34954, Start Num: 4

Candidate Starts for Giantsbane\_52:

(Start: 4 @34712 has 5 MA's), (5, 34721), (6, 34739), (9, 34799), (14, 34931),

Gene: Jazzy4900\_2 Start: 932, Stop: 1144, Start Num: 6

Candidate Starts for Jazzy4900\_2:

(Start: 4 @905 has 5 MA's), (5, 914), (6, 932), (8, 959), (11, 1037),

Gene: Kinny\_1 Start: 283, Stop: 627, Start Num: 2

Candidate Starts for Kinny\_1:

(1, 277), (Start: 2 @283 has 3 MA's), (3, 334), (Start: 4 @385 has 5 MA's), (5, 394), (6, 412), (14, 604),

Gene: Lewando\_1 Start: 283, Stop: 627, Start Num: 2

Candidate Starts for Lewando\_1:

(1, 277), (Start: 2 @283 has 3 MA's), (3, 334), (Start: 4 @385 has 5 MA's), (5, 394), (6, 412), (14, 604),

Gene: Mardi\_1 Start: 385, Stop: 636, Start Num: 4

Candidate Starts for Mardi\_1:

(Start: 4 @385 has 5 MA's), (7, 424), (10, 493), (11, 529),

Gene: Navi1117\_1 Start: 511, Stop: 759, Start Num: 4

Candidate Starts for Navi1117\_1:

(Start: 4 @511 has 5 MA's), (7, 550), (11, 652), (12, 694),

Gene: Renaldo\_1 Start: 334, Stop: 627, Start Num: 3

Candidate Starts for Renaldo\_1:

(1, 277), (Start: 2 @283 has 3 MA's), (3, 334), (Start: 4 @385 has 5 MA's), (5, 394), (6, 412), (14, 604),

Gene: Stardrop\_1 Start: 385, Stop: 633, Start Num: 4

Candidate Starts for Stardrop\_1:

(1, 277), (Start: 2 @283 has 3 MA's), (Start: 4 @385 has 5 MA's), (6, 412), (12, 568),

Gene: Sunny4976\_2 Start: 932, Stop: 1144, Start Num: 6

Candidate Starts for Sunny4976\_2:

(Start: 4 @905 has 5 MA's), (5, 914), (6, 932), (8, 959), (11, 1037),

Gene: Tenney120\_1 Start: 385, Stop: 624, Start Num: 4

Candidate Starts for Tenney120\_1:

(1, 277), (Start: 2 @283 has 3 MA's), (Start: 4 @385 has 5 MA's), (11, 517), (14, 601),

Gene: TrixiePhattel\_1 Start: 385, Stop: 636, Start Num: 4

Candidate Starts for TrixiePhattel\_1:

(Start: 4 @385 has 5 MA's), (7, 424), (10, 493), (11, 529), (12, 571),

Gene: Uzumaki\_1 Start: 385, Stop: 624, Start Num: 4

Candidate Starts for Uzumaki\_1:

(1, 277), (Start: 2 @283 has 3 MA's), (Start: 4 @385 has 5 MA's), (11, 517), (14, 601),

Gene: Zeina\_1 Start: 283, Stop: 624, Start Num: 2

Candidate Starts for Zeina\_1:

(1, 277), (Start: 2 @283 has 3 MA's), (Start: 4 @385 has 5 MA's), (6, 412), (11, 517), (13, 571),