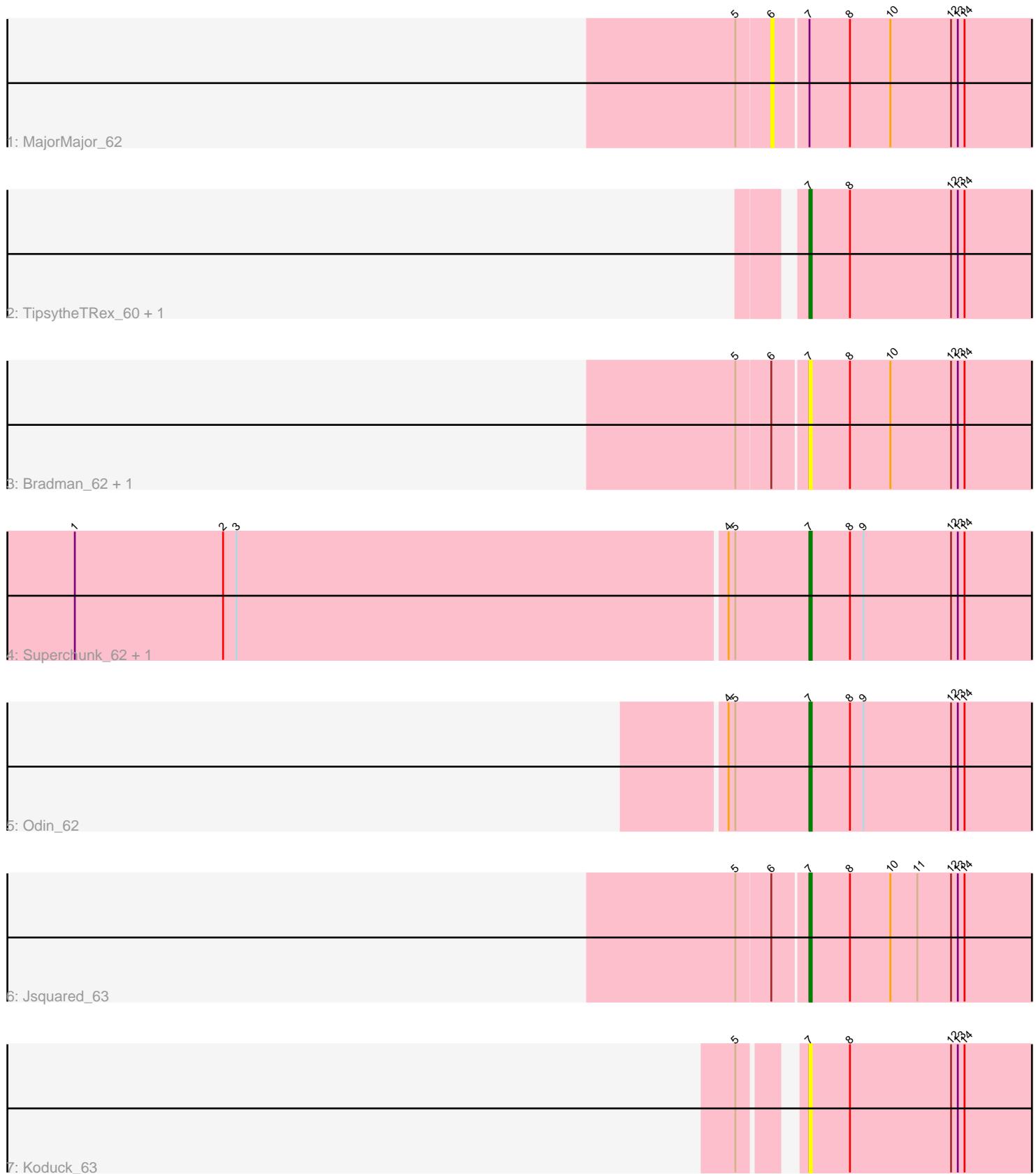


# Pham 28111



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 281111 Report

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

Pham number 281111 has 10 members, 5 are drafts.

Phages represented in each track:

- Track 1 : MajorMajor\_62
- Track 2 : TipsytheTRex\_60, Serenity\_63
- Track 3 : Bradman\_62, Quokka\_61
- Track 4 : Superchunk\_62, Caraxes\_63
- Track 5 : Odin\_62
- Track 6 : Jsquared\_63
- Track 7 : Koduck\_63

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

The start number called the most often in the published annotations is 7, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bradman\_62, Caraxes\_63, Jsquared\_63, Koduck\_63, Odin\_62, Quokka\_61, Serenity\_63, Superchunk\_62, TipsytheTRex\_60,

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

- MajorMajor\_62,

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

- 

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

Start 6:

- Found in 4 of 10 ( 40.0% ) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: MajorMajor\_62 (A2),

Start 7:

- Found in 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 5

- Called 90.0% of time when present
- Phage (with cluster) where this start called: Bradman\_62 (A2), Caraxes\_63 (A2), Jsquared\_63 (A2), Koduck\_63 (A2), Odin\_62 (A2), Quokka\_61 (A2), Serenity\_63 (A2), Superchunk\_62 (A2), TipsytheTRex\_60 (A2),

### **Summary by clusters:**

There is one cluster represented in this pham: A2

Info for manual annotations of cluster A2:

- Start number 7 was manually annotated 5 times for cluster A2.

### **Gene Information:**

Gene: Bradman\_62 Start: 39200, Stop: 39054, Start Num: 7

Candidate Starts for Bradman\_62:

(5, 39230), (6, 39215), (Start: 7 @39200 has 5 MA's), (8, 39182), (10, 39164), (12, 39137), (13, 39134), (14, 39131),

Gene: Caraxes\_63 Start: 38676, Stop: 38521, Start Num: 7

Candidate Starts for Caraxes\_63:

(1, 39000), (2, 38934), (3, 38928), (4, 38712), (5, 38709), (Start: 7 @38676 has 5 MA's), (8, 38658), (9, 38652), (12, 38613), (13, 38610), (14, 38607),

Gene: Jsquared\_63 Start: 39358, Stop: 39215, Start Num: 7

Candidate Starts for Jsquared\_63:

(5, 39388), (6, 39373), (Start: 7 @39358 has 5 MA's), (8, 39340), (10, 39322), (11, 39310), (12, 39295), (13, 39292), (14, 39289),

Gene: Koduck\_63 Start: 39295, Stop: 39152, Start Num: 7

Candidate Starts for Koduck\_63:

(5, 39316), (Start: 7 @39295 has 5 MA's), (8, 39277), (12, 39232), (13, 39229), (14, 39226),

Gene: MajorMajor\_62 Start: 39215, Stop: 39054, Start Num: 6

Candidate Starts for MajorMajor\_62:

(5, 39230), (6, 39215), (Start: 7 @39200 has 5 MA's), (8, 39182), (10, 39164), (12, 39137), (13, 39134), (14, 39131),

Gene: Odin\_62 Start: 39060, Stop: 38905, Start Num: 7

Candidate Starts for Odin\_62:

(4, 39096), (5, 39093), (Start: 7 @39060 has 5 MA's), (8, 39042), (9, 39036), (12, 38997), (13, 38994), (14, 38991),

Gene: Quokka\_61 Start: 39200, Stop: 39054, Start Num: 7

Candidate Starts for Quokka\_61:

(5, 39230), (6, 39215), (Start: 7 @39200 has 5 MA's), (8, 39182), (10, 39164), (12, 39137), (13, 39134), (14, 39131),

Gene: Serenity\_63 Start: 39413, Stop: 39267, Start Num: 7

Candidate Starts for Serenity\_63:

(Start: 7 @39413 has 5 MA's), (8, 39395), (12, 39350), (13, 39347), (14, 39344),

Gene: Superchunk\_62 Start: 38676, Stop: 38521, Start Num: 7

Candidate Starts for Superchunk\_62:

(1, 39000), (2, 38934), (3, 38928), (4, 38712), (5, 38709), (Start: 7 @38676 has 5 MA's), (8, 38658), (9, 38652), (12, 38613), (13, 38610), (14, 38607),

Gene: TipsytheTRex\_60 Start: 39483, Stop: 39337, Start Num: 7

Candidate Starts for TipsytheTRex\_60:

(Start: 7 @39483 has 5 MA's), (8, 39465), (12, 39420), (13, 39417), (14, 39414),