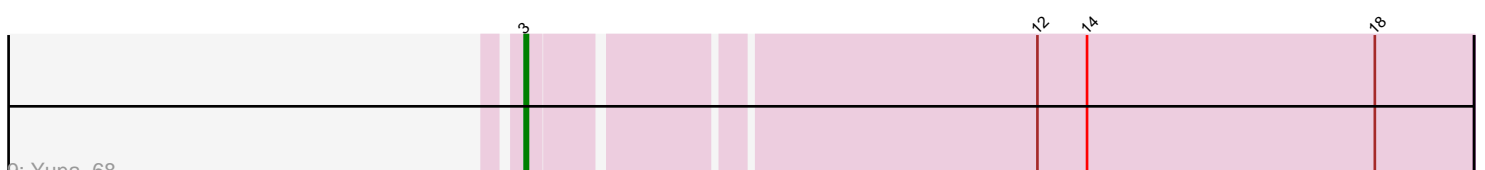
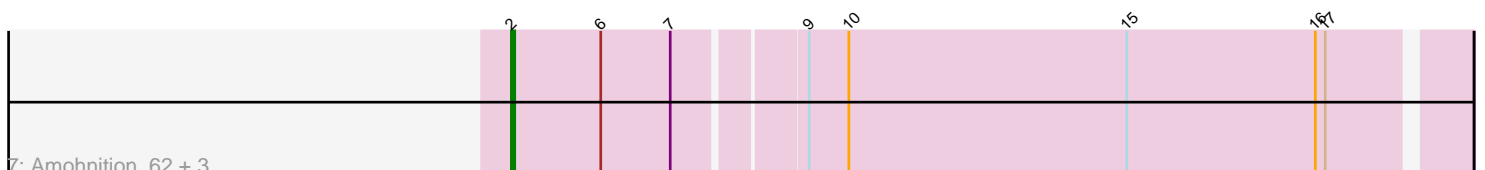
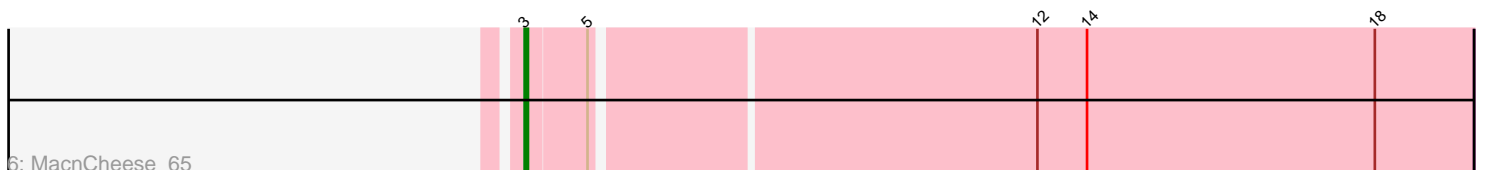
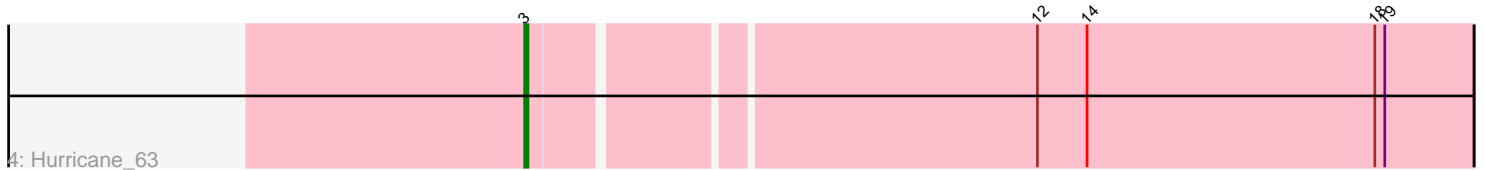
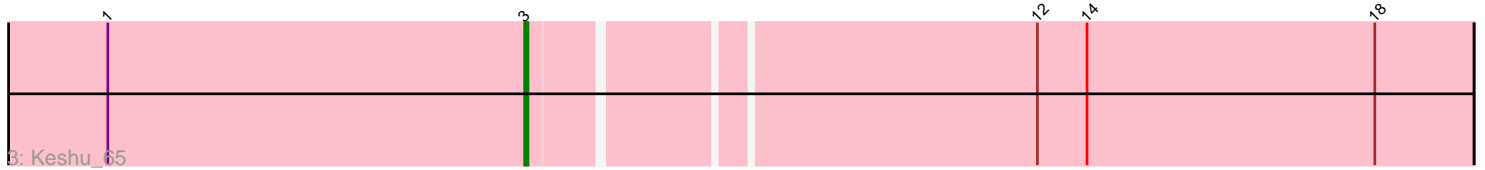
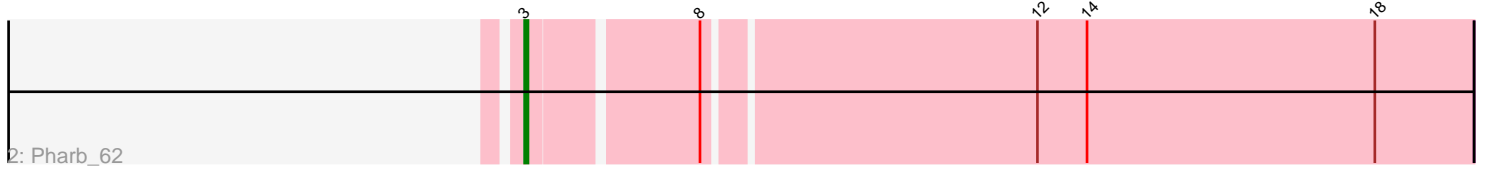


# Pham 225004



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 225004 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225004 has 14 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Pixie\_62, Lea83\_64, ShedlockHolmes\_64
- Track 2 : Pharb\_62
- Track 3 : Keshu\_65
- Track 4 : Hurricane\_63
- Track 5 : TribeTrouble\_63
- Track 6 : MacnCheese\_65
- Track 7 : Amohnition\_62, Hammy\_62, November\_62, DARTH\_P\_62
- Track 8 : TClif\_63
- Track 9 : Yuna\_68

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Hurricane\_63, Keshu\_65, Lea83\_64, MacnCheese\_65, Pharb\_62, Pixie\_62, ShedlockHolmes\_64, TClif\_63, TribeTrouble\_63, Yuna\_68,

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

- 

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

- Amohnition\_62, DARTH\_P\_62, Hammy\_62, November\_62,

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

Start 2:

- Found in 4 of 14 ( 28.6% ) of genes in pham
- Manual Annotations of this start: 3 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amohnition\_62 (K6), DARTH\_P\_62 (K6), Hammy\_62 (K6), November\_62 (K6),

### Start 3:

- Found in 10 of 14 ( 71.4% ) of genes in pham
- Manual Annotations of this start: 9 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hurricane\_63 (K3), Keshu\_65 (K3), Lea83\_64 (K3), MacnCheese\_65 (K3), Pharb\_62 (K3), Pixie\_62 (K3), ShedlockHolmes\_64 (K3), TClif\_63 (K6), TribbleTrouble\_63 (K3), Yuna\_68 (K6),

### Summary by clusters:

There are 2 clusters represented in this pham: K3, K6,

Info for manual annotations of cluster K3:

- Start number 3 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K6:

- Start number 2 was manually annotated 3 times for cluster K6.
- Start number 3 was manually annotated 2 times for cluster K6.

### Gene Information:

Gene: Amohnition\_62 Start: 42807, Stop: 43085, Start Num: 2

Candidate Starts for Amohnition\_62:

(Start: 2 @42807 has 3 MA's), (6, 42834), (7, 42855), (9, 42891), (10, 42903), (15, 42987), (16, 43044), (17, 43047),

Gene: DARTH\_P\_62 Start: 42661, Stop: 42939, Start Num: 2

Candidate Starts for DARTH\_P\_62:

(Start: 2 @42661 has 3 MA's), (6, 42688), (7, 42709), (9, 42745), (10, 42757), (15, 42841), (16, 42898), (17, 42901),

Gene: Hammy\_62 Start: 42649, Stop: 42927, Start Num: 2

Candidate Starts for Hammy\_62:

(Start: 2 @42649 has 3 MA's), (6, 42676), (7, 42697), (9, 42733), (10, 42745), (15, 42829), (16, 42886), (17, 42889),

Gene: Hurricane\_63 Start: 42638, Stop: 42913, Start Num: 3

Candidate Starts for Hurricane\_63:

(Start: 3 @42638 has 9 MA's), (12, 42782), (14, 42797), (18, 42884), (19, 42887),

Gene: Keshu\_65 Start: 42736, Stop: 43011, Start Num: 3

Candidate Starts for Keshu\_65:

(1, 42610), (Start: 3 @42736 has 9 MA's), (12, 42880), (14, 42895), (18, 42982),

Gene: Lea83\_64 Start: 42673, Stop: 42948, Start Num: 3

Candidate Starts for Lea83\_64:

(1, 42547), (Start: 3 @42673 has 9 MA's), (12, 42817), (14, 42832), (18, 42919), (19, 42922),

Gene: MacnCheese\_65 Start: 43252, Stop: 43530, Start Num: 3

Candidate Starts for MacnCheese\_65:

(Start: 3 @43252 has 9 MA's), (5, 43270), (12, 43399), (14, 43414), (18, 43501),

Gene: November\_62 Start: 42559, Stop: 42837, Start Num: 2

Candidate Starts for November\_62:

(Start: 2 @42559 has 3 MA's), (6, 42586), (7, 42607), (9, 42643), (10, 42655), (15, 42739), (16, 42796), (17, 42799),

Gene: Pharb\_62 Start: 41985, Stop: 42260, Start Num: 3

Candidate Starts for Pharb\_62:

(Start: 3 @41985 has 9 MA's), (8, 42033), (12, 42129), (14, 42144), (18, 42231),

Gene: Pixie\_62 Start: 42158, Stop: 42433, Start Num: 3

Candidate Starts for Pixie\_62:

(1, 42032), (Start: 3 @42158 has 9 MA's), (12, 42302), (14, 42317), (18, 42404), (19, 42407),

Gene: ShedlockHolmes\_64 Start: 42677, Stop: 42952, Start Num: 3

Candidate Starts for ShedlockHolmes\_64:

(1, 42551), (Start: 3 @42677 has 9 MA's), (12, 42821), (14, 42836), (18, 42923), (19, 42926),

Gene: TClif\_63 Start: 42277, Stop: 42549, Start Num: 3

Candidate Starts for TClif\_63:

(Start: 3 @42277 has 9 MA's), (4, 42292), (7, 42319), (10, 42367), (11, 42409), (13, 42433), (15, 42451), (16, 42508), (17, 42511),

Gene: TribbleTrouble\_63 Start: 43151, Stop: 43432, Start Num: 3

Candidate Starts for TribbleTrouble\_63:

(Start: 3 @43151 has 9 MA's), (5, 43169), (11, 43286), (16, 43385), (18, 43403),

Gene: Yuna\_68 Start: 43889, Stop: 44164, Start Num: 3

Candidate Starts for Yuna\_68:

(Start: 3 @43889 has 9 MA's), (12, 44033), (14, 44048), (18, 44135),