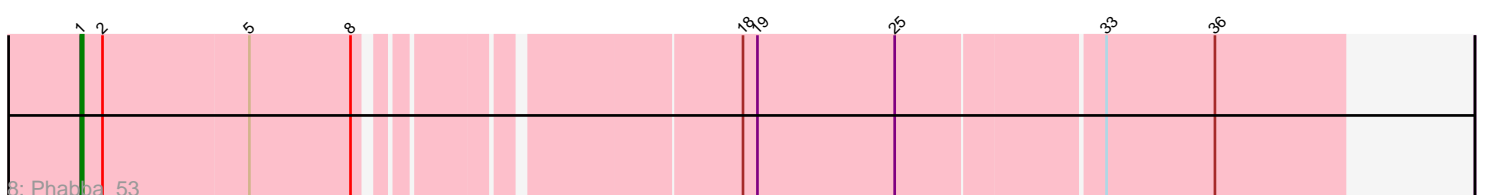
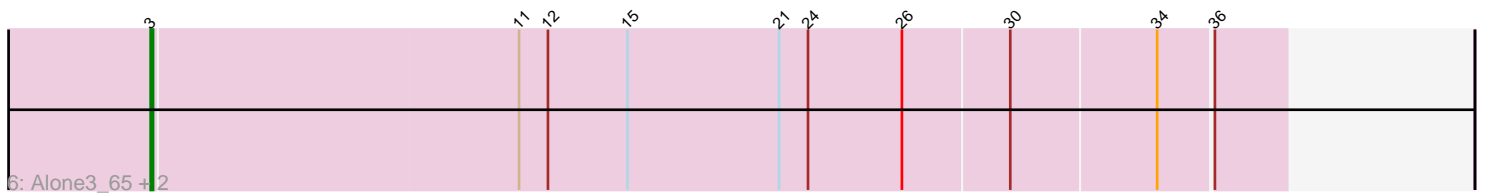
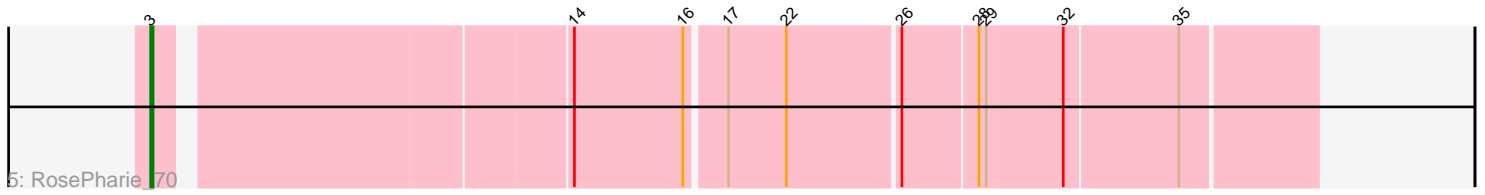
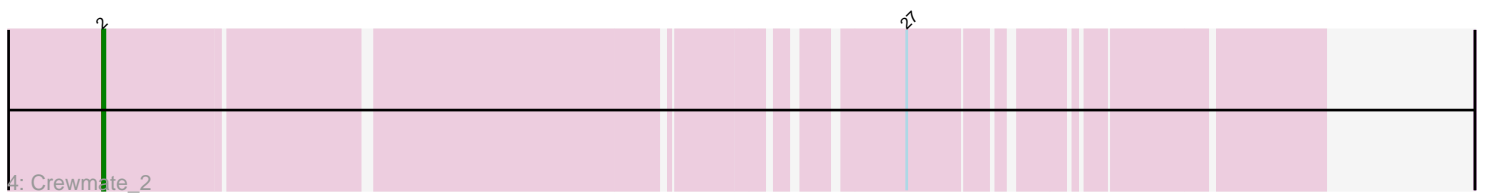
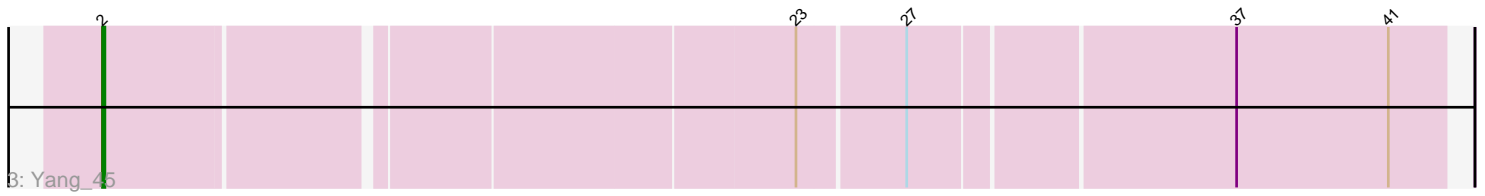
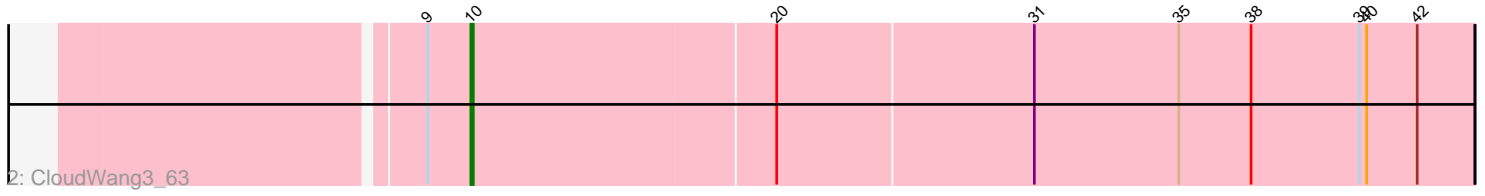
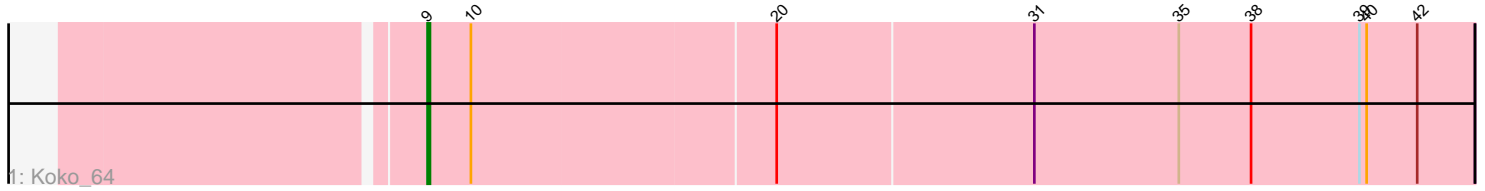


# Pham 297191



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 297191 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297191 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Koko\_64
- Track 2 : CloudWang3\_63
- Track 3 : Yang\_45
- Track 4 : Crewmate\_2
- Track 5 : RosePharie\_70
- Track 6 : Alone3\_65, LuckySocke\_64, Fudan\_66
- Track 7 : Talos\_64
- Track 8 : Phabba\_53

### ***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 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alone3\_65, Fudan\_66, LuckySocke\_64, RosePharie\_70,

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

- 

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

- CloudWang3\_63, Crewmate\_2, Koko\_64, Phabba\_53, Talos\_64, Yang\_45,

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

Start 1:

- Found in 1 of 10 ( 10.0% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phabba\_53 (C2),

Start 2:

- Found in 3 of 10 ( 30.0% ) of genes in pham
- Manual Annotations of this start: 2 of 9

- Called 66.7% of time when present
- Phage (with cluster) where this start called: Crewmate\_2 (AZ1), Yang\_45 (AZ1),

Start 3:

- Found in 4 of 10 ( 40.0% ) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alone3\_65 (BS), Fudan\_66 (BS), LuckySocke\_64 (BS), RosePharie\_70 (BF),

Start 4:

- Found in 1 of 10 ( 10.0% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Talos\_64 (BS),

Start 9:

- Found in 2 of 10 ( 20.0% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Koko\_64 (A6),

Start 10:

- Found in 2 of 10 ( 20.0% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 50.0% of time when present
- Phage (with cluster) where this start called: CloudWang3\_63 (A6),

**Summary by clusters:**

There are 5 clusters represented in this pham: AZ1, BF, BS, C2, A6,

Info for manual annotations of cluster A6:

- Start number 9 was manually annotated 1 time for cluster A6.
- Start number 10 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster AZ1:

- Start number 2 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster BF:

- Start number 3 was manually annotated 1 time for cluster BF.

Info for manual annotations of cluster BS:

- Start number 3 was manually annotated 2 times for cluster BS.
- Start number 4 was manually annotated 1 time for cluster BS.

Info for manual annotations of cluster C2:

- Start number 1 was manually annotated 1 time for cluster C2.

**Gene Information:**

Gene: Alone3\_65 Start: 23323, Stop: 23781, Start Num: 3

Candidate Starts for Alone3\_65:

(Start: 3 @23323 has 3 MA's), (11, 23473), (12, 23485), (15, 23518), (21, 23581), (24, 23593), (26, 23632), (30, 23674), (34, 23731), (36, 23752),

Gene: CloudWang3\_63 Start: 38546, Stop: 38136, Start Num: 10

Candidate Starts for CloudWang3\_63:

(Start: 9 @38564 has 1 MA's), (Start: 10 @38546 has 1 MA's), (20, 38423), (31, 38318), (35, 38258), (38, 38228), (39, 38183), (40, 38180), (42, 38159),

Gene: Crewmate\_2 Start: 546, Stop: 995, Start Num: 2

Candidate Starts for Crewmate\_2:

(Start: 2 @546 has 2 MA's), (27, 846),

Gene: Fudan\_66 Start: 22684, Stop: 23142, Start Num: 3

Candidate Starts for Fudan\_66:

(Start: 3 @22684 has 3 MA's), (11, 22834), (12, 22846), (15, 22879), (21, 22942), (24, 22954), (26, 22993), (30, 23035), (34, 23092), (36, 23113),

Gene: Koko\_64 Start: 38904, Stop: 38476, Start Num: 9

Candidate Starts for Koko\_64:

(Start: 9 @38904 has 1 MA's), (Start: 10 @38886 has 1 MA's), (20, 38763), (31, 38658), (35, 38598), (38, 38568), (39, 38523), (40, 38520), (42, 38499),

Gene: LuckySocke\_64 Start: 22633, Stop: 23091, Start Num: 3

Candidate Starts for LuckySocke\_64:

(Start: 3 @22633 has 3 MA's), (11, 22783), (12, 22795), (15, 22828), (21, 22891), (24, 22903), (26, 22942), (30, 22984), (34, 23041), (36, 23062),

Gene: Phabba\_53 Start: 19044, Stop: 18553, Start Num: 1

Candidate Starts for Phabba\_53:

(Start: 1 @19044 has 1 MA's), (Start: 2 @19035 has 2 MA's), (5, 18975), (8, 18933), (18, 18795), (19, 18789), (25, 18732), (33, 18651), (36, 18606),

Gene: RosePharie\_70 Start: 35737, Stop: 36186, Start Num: 3

Candidate Starts for RosePharie\_70:

(Start: 3 @35737 has 3 MA's), (14, 35896), (16, 35941), (17, 35956), (22, 35980), (26, 36025), (28, 36055), (29, 36058), (32, 36088), (35, 36133),

Gene: Talos\_64 Start: 22480, Stop: 22926, Start Num: 4

Candidate Starts for Talos\_64:

(Start: 4 @22480 has 1 MA's), (6, 22543), (7, 22552), (12, 22636), (13, 22642), (26, 22783), (30, 22825), (35, 22891),

Gene: Yang\_45 Start: 32671, Stop: 33198, Start Num: 2

Candidate Starts for Yang\_45:

(Start: 2 @32671 has 2 MA's), (23, 32941), (27, 32983), (37, 33112), (41, 33175),