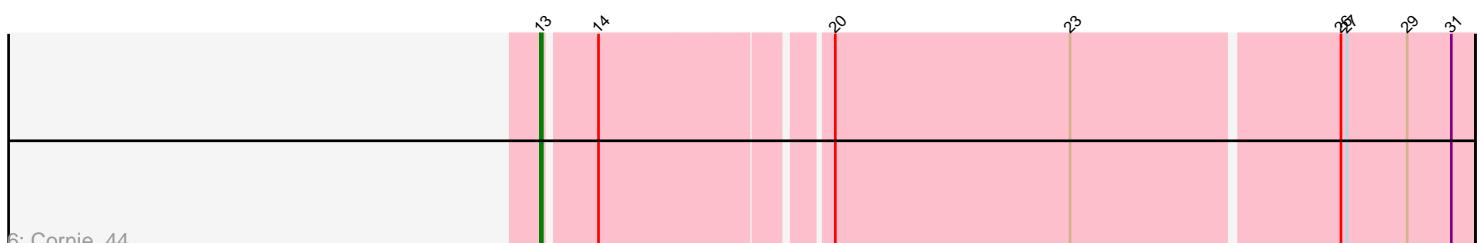
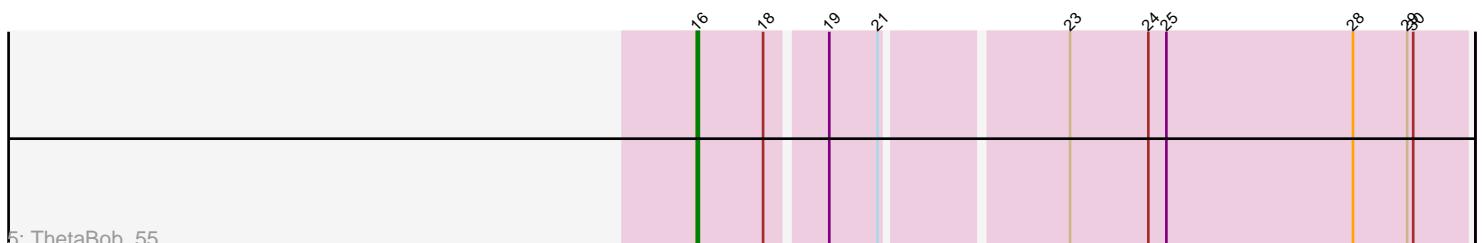
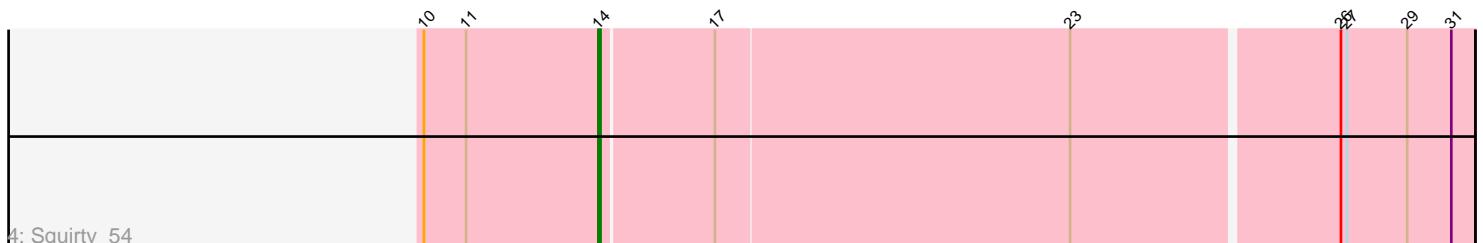
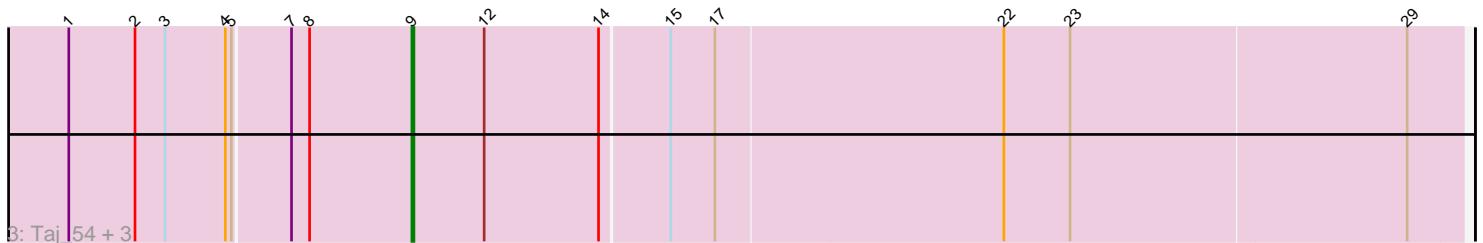
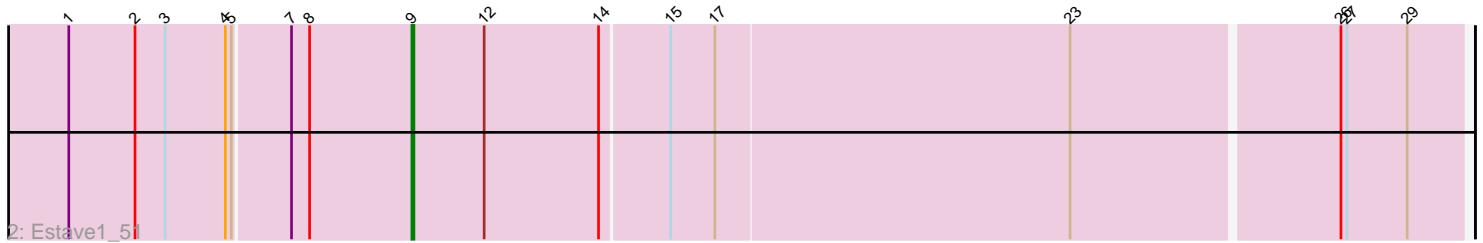
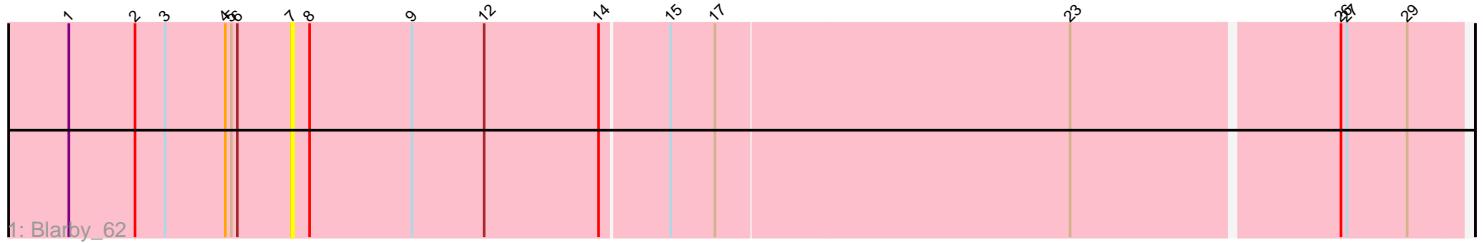


# Pham 281142



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 281142 Report

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

Pham number 281142 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Blarby\_62
- Track 2 : Estave1\_51
- Track 3 : Taj\_54, Renaud18\_56, DeadP\_56, Wee\_53
- Track 4 : Squirty\_54
- Track 5 : ThetaBob\_55
- Track 6 : Cornie\_44

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DeadP\_56, Estave1\_51, Renaud18\_56, Taj\_54, Wee\_53,

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

- Blarby\_62,

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

- Cornie\_44, Squirty\_54, ThetaBob\_55,

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

Start 7:

- Found in 6 of 9 ( 66.7% ) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Blarby\_62 (F),

Start 9:

- Found in 6 of 9 ( 66.7% ) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 83.3% of time when present

- Phage (with cluster) where this start called: DeadP\_56 (F1), Estave1\_51 (F1), Renaud18\_56 (F4), Taj\_54 (F1), Wee\_53 (F1),

Start 13:

- Found in 1 of 9 ( 11.1% ) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cornie\_44 (F5),

Start 14:

- Found in 8 of 9 ( 88.9% ) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Squirty\_54 (F3),

Start 16:

- Found in 1 of 9 ( 11.1% ) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ThetaBob\_55 (F4),

### **Summary by clusters:**

There are 5 clusters represented in this pham: F1, F3, F4, F5, F,

Info for manual annotations of cluster F1:

- Start number 9 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 14 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 9 was manually annotated 1 time for cluster F4.
- Start number 16 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster F5:

- Start number 13 was manually annotated 1 time for cluster F5.

### **Gene Information:**

Gene: Blarby\_62 Start: 37522, Stop: 38091, Start Num: 7

Candidate Starts for Blarby\_62:

(1, 37411), (2, 37444), (3, 37459), (4, 37489), (5, 37492), (6, 37495), (7, 37522), (8, 37531), (Start: 9 @37582 has 5 MA's), (12, 37618), (Start: 14 @37675 has 1 MA's), (15, 37708), (17, 37729), (23, 37903), (26, 38032), (27, 38035), (29, 38065),

Gene: Cornie\_44 Start: 34732, Stop: 35169, Start Num: 13

Candidate Starts for Cornie\_44:

(Start: 13 @34732 has 1 MA's), (Start: 14 @34756 has 1 MA's), (20, 34858), (23, 34975), (26, 35104), (27, 35107), (29, 35137), (31, 35158),

Gene: DeadP\_56 Start: 38235, Stop: 38747, Start Num: 9

Candidate Starts for DeadP\_56:

(1, 38067), (2, 38100), (3, 38115), (4, 38145), (5, 38148), (7, 38175), (8, 38184), (Start: 9 @38235 has 5 MA's), (12, 38271), (Start: 14 @38328 has 1 MA's), (15, 38361), (17, 38382), (22, 38523), (23, 38556), (29, 38721),

Gene: Estave1\_51 Start: 36423, Stop: 36932, Start Num: 9

Candidate Starts for Estave1\_51:

(1, 36255), (2, 36288), (3, 36303), (4, 36333), (5, 36336), (7, 36363), (8, 36372), (Start: 9 @36423 has 5 MA's), (12, 36459), (Start: 14 @36516 has 1 MA's), (15, 36549), (17, 36570), (23, 36744), (26, 36873), (27, 36876), (29, 36906),

Gene: Renaud18\_56 Start: 37524, Stop: 38036, Start Num: 9

Candidate Starts for Renaud18\_56:

(1, 37356), (2, 37389), (3, 37404), (4, 37434), (5, 37437), (7, 37464), (8, 37473), (Start: 9 @37524 has 5 MA's), (12, 37560), (Start: 14 @37617 has 1 MA's), (15, 37650), (17, 37671), (22, 37812), (23, 37845), (29, 38010),

Gene: Squirty\_54 Start: 37873, Stop: 38295, Start Num: 14

Candidate Starts for Squirty\_54:

(10, 37786), (11, 37807), (Start: 14 @37873 has 1 MA's), (17, 37927), (23, 38101), (26, 38230), (27, 38233), (29, 38263), (31, 38284),

Gene: Taj\_54 Start: 37445, Stop: 37957, Start Num: 9

Candidate Starts for Taj\_54:

(1, 37277), (2, 37310), (3, 37325), (4, 37355), (5, 37358), (7, 37385), (8, 37394), (Start: 9 @37445 has 5 MA's), (12, 37481), (Start: 14 @37538 has 1 MA's), (15, 37571), (17, 37592), (22, 37733), (23, 37766), (29, 37931),

Gene: ThetaBob\_55 Start: 37062, Stop: 37427, Start Num: 16

Candidate Starts for ThetaBob\_55:

(Start: 16 @37062 has 1 MA's), (18, 37095), (19, 37122), (21, 37146), (23, 37230), (24, 37269), (25, 37278), (28, 37371), (29, 37398), (30, 37401),

Gene: Wee\_53 Start: 37717, Stop: 38229, Start Num: 9

Candidate Starts for Wee\_53:

(1, 37549), (2, 37582), (3, 37597), (4, 37627), (5, 37630), (7, 37657), (8, 37666), (Start: 9 @37717 has 5 MA's), (12, 37753), (Start: 14 @37810 has 1 MA's), (15, 37843), (17, 37864), (22, 38005), (23, 38038), (29, 38203),