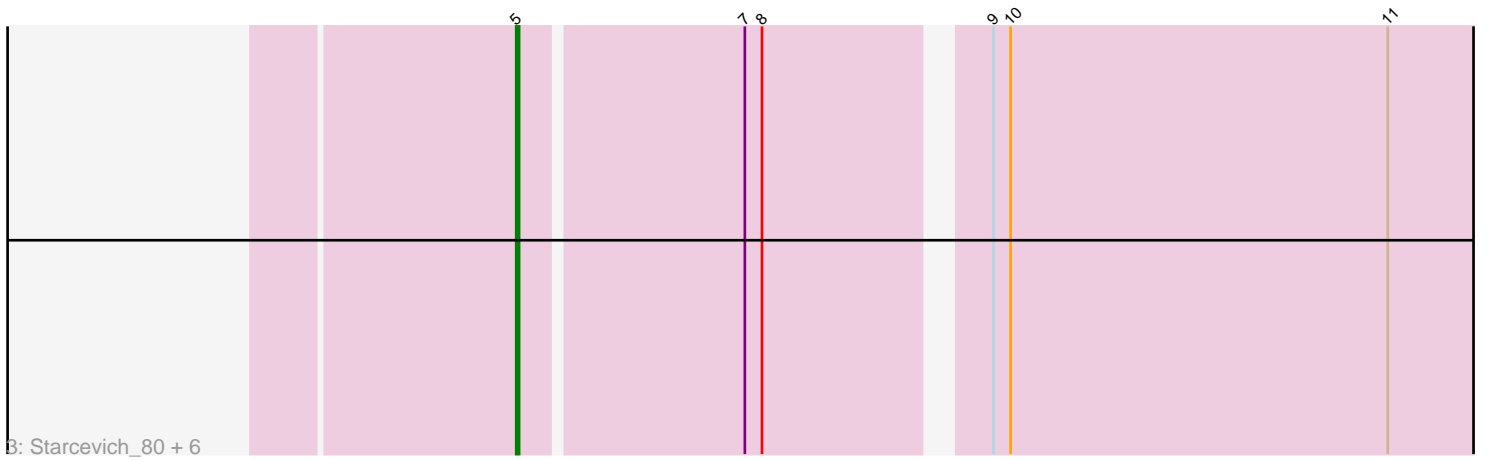
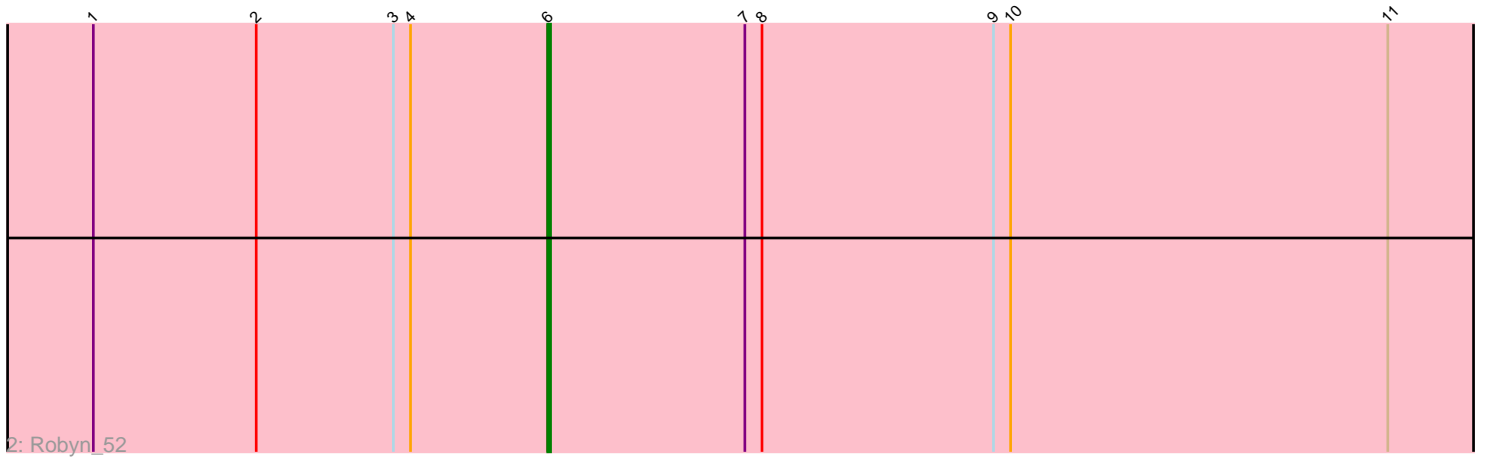
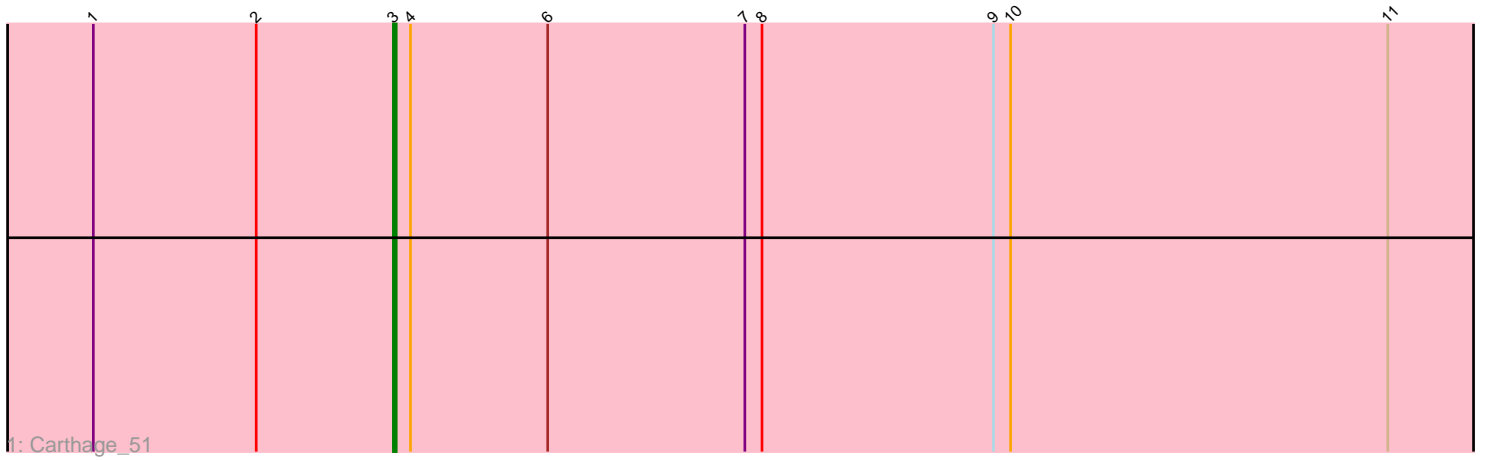


Pham 194564



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 194564 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194564 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Carthage\_51
- Track 2 : Robyn\_52
- Track 3 : Starcevich\_80, GigiOuiOui\_74, Fastidio\_80, Totinger\_82, LilMoolah\_78, LittleShirley\_86, Nivrat\_76

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Fastidio\_80, GigiOuiOui\_74, LilMoolah\_78, LittleShirley\_86, Nivrat\_76, Starcevich\_80, Totinger\_82,

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

- 

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

- Carthage\_51, Robyn\_52,

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

Start 3:

- Found in 2 of 9 ( 22.2% ) 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: Carthage\_51 (B1),

Start 5:

- Found in 7 of 9 ( 77.8% ) of genes in pham
- Manual Annotations of this start: 7 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fastidio\_80 (F1), GigiOuiOui\_74 (F1), LilMoolah\_78 (F1), LittleShirley\_86 (F1), Nivrat\_76 (F1), Starcevich\_80 (F1),

Totinger\_82 (F1),

Start 6:

- Found in 2 of 9 ( 22.2% ) 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: Robyn\_52 (B1),

### **Summary by clusters:**

There are 2 clusters represented in this pham: F1, B1,

Info for manual annotations of cluster B1:

- Start number 3 was manually annotated 1 time for cluster B1.
- Start number 6 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster F1:

- Start number 5 was manually annotated 7 times for cluster F1.

### **Gene Information:**

Gene: Carthage\_51 Start: 46401, Stop: 46021, Start Num: 3

Candidate Starts for Carthage\_51:

(1, 46506), (2, 46449), (Start: 3 @46401 has 1 MA's), (4, 46395), (Start: 6 @46347 has 1 MA's), (7, 46278), (8, 46272), (9, 46191), (10, 46185), (11, 46053),

Gene: Fastidio\_80 Start: 45795, Stop: 46124, Start Num: 5

Candidate Starts for Fastidio\_80:

(Start: 5 @45795 has 7 MA's), (7, 45870), (8, 45876), (9, 45945), (10, 45951), (11, 46083),

Gene: GigiOuiOui\_74 Start: 47391, Stop: 47720, Start Num: 5

Candidate Starts for GigiOuiOui\_74:

(Start: 5 @47391 has 7 MA's), (7, 47466), (8, 47472), (9, 47541), (10, 47547), (11, 47679),

Gene: LilMoolah\_78 Start: 48539, Stop: 48874, Start Num: 5

Candidate Starts for LilMoolah\_78:

(Start: 5 @48539 has 7 MA's), (7, 48614), (8, 48620), (9, 48689), (10, 48695), (11, 48827),

Gene: LittleShirley\_86 Start: 49468, Stop: 49797, Start Num: 5

Candidate Starts for LittleShirley\_86:

(Start: 5 @49468 has 7 MA's), (7, 49543), (8, 49549), (9, 49618), (10, 49624), (11, 49756),

Gene: Nivrat\_76 Start: 48412, Stop: 48747, Start Num: 5

Candidate Starts for Nivrat\_76:

(Start: 5 @48412 has 7 MA's), (7, 48487), (8, 48493), (9, 48562), (10, 48568), (11, 48700),

Gene: Robyn\_52 Start: 47008, Stop: 46682, Start Num: 6

Candidate Starts for Robyn\_52:

(1, 47167), (2, 47110), (Start: 3 @47062 has 1 MA's), (4, 47056), (Start: 6 @47008 has 1 MA's), (7, 46939), (8, 46933), (9, 46852), (10, 46846), (11, 46714),

Gene: Starcevich\_80 Start: 49749, Stop: 50078, Start Num: 5

Candidate Starts for Starcevich\_80:

(Start: 5 @49749 has 7 MA's), (7, 49824), (8, 49830), (9, 49899), (10, 49905), (11, 50037),

Gene: Totinger\_82 Start: 48545, Stop: 48874, Start Num: 5

Candidate Starts for Totinger\_82:

(Start: 5 @48545 has 7 MA's), (7, 48620), (8, 48626), (9, 48695), (10, 48701), (11, 48833),