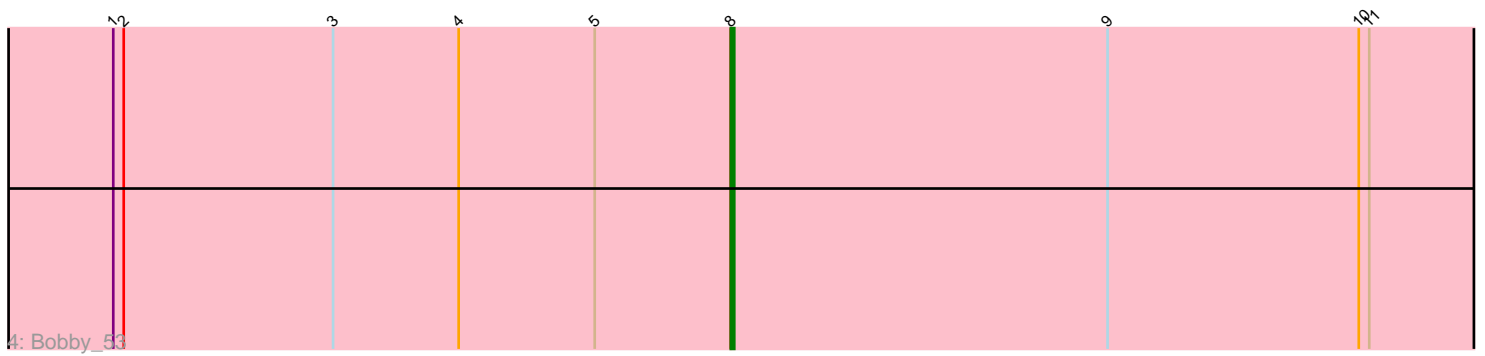
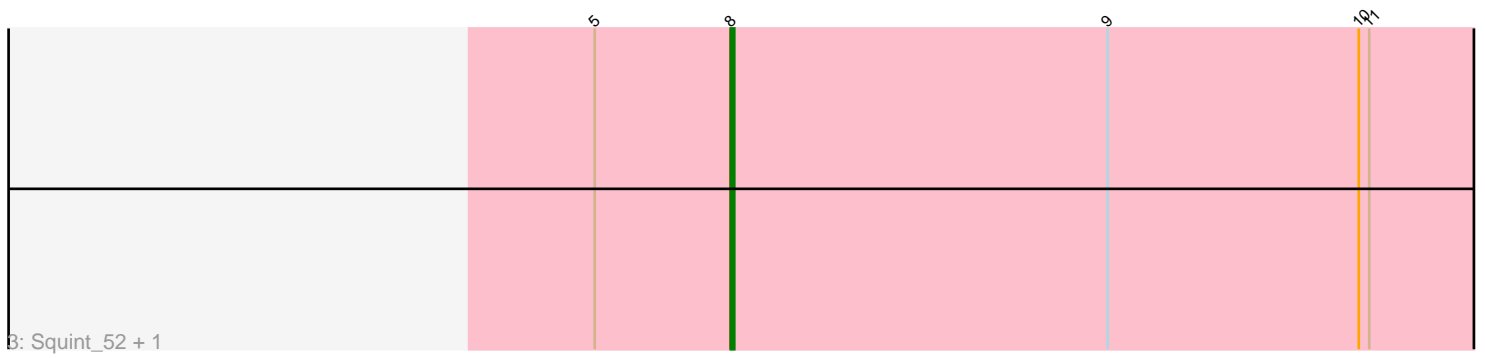
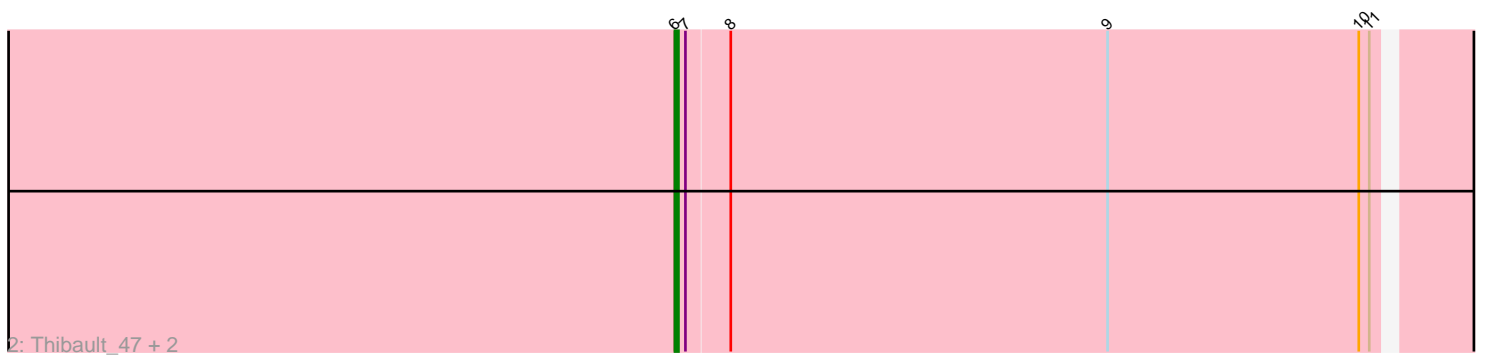
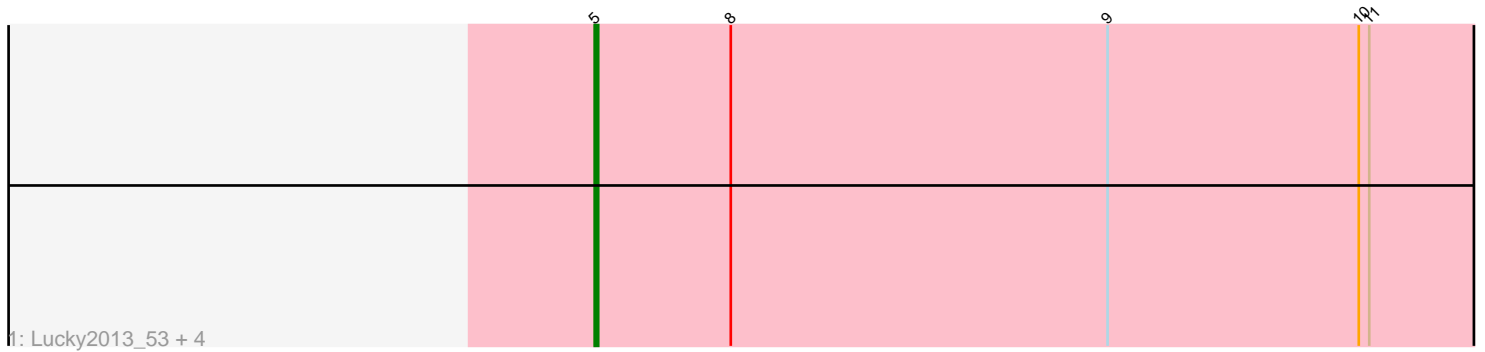


# Pham 5563



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 5563 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5563 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Lucky2013\_53, Ariel\_53, MiaZeal\_53, Porcelain\_52, Courthouse\_53
- Track 2 : Thibault\_47, Dove\_52, Constella\_45
- Track 3 : Squint\_52, Superphikiman\_53
- Track 4 : Bobby\_53

### ***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 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ariel\_53, Courthouse\_53, Lucky2013\_53, MiaZeal\_53, Porcelain\_52,

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

- Bobby\_53, Squint\_52, Superphikiman\_53,

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

- Constella\_45, Dove\_52, Thibault\_47,

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

Start 5:

- Found in 8 of 11 ( 72.7% ) of genes in pham
- Manual Annotations of this start: 5 of 10
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Ariel\_53 (J), Courthouse\_53 (J), Lucky2013\_53 (J), MiaZeal\_53 (J), Porcelain\_52 (J),

Start 6:

- Found in 3 of 11 ( 27.3% ) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Constella\_45 (J), Dove\_52 (J), Thibault\_47 (J),

Start 8:

- Found in 11 of 11 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 3 of 10
- Called 27.3% of time when present
- Phage (with cluster) where this start called: Bobby\_53 (J), Squint\_52 (J), Superphikiman\_53 (J),

### **Summary by clusters:**

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:

- Start number 5 was manually annotated 5 times for cluster J.
- Start number 6 was manually annotated 2 times for cluster J.
- Start number 8 was manually annotated 3 times for cluster J.

### **Gene Information:**

Gene: Ariel\_53 Start: 41333, Stop: 41037, Start Num: 5

Candidate Starts for Ariel\_53:

(Start: 5 @41333 has 5 MA's), (Start: 8 @41294 has 3 MA's), (9, 41186), (10, 41114), (11, 41111),

Gene: Bobby\_53 Start: 44052, Stop: 43825, Start Num: 8

Candidate Starts for Bobby\_53:

(1, 44229), (2, 44226), (3, 44166), (4, 44130), (Start: 5 @44091 has 5 MA's), (Start: 8 @44052 has 3 MA's), (9, 43944), (10, 43872), (11, 43869),

Gene: Constella\_45 Start: 41313, Stop: 41044, Start Num: 6

Candidate Starts for Constella\_45:

(Start: 6 @41313 has 2 MA's), (7, 41310), (Start: 8 @41298 has 3 MA's), (9, 41190), (10, 41118), (11, 41115),

Gene: Courthouse\_53 Start: 41737, Stop: 41441, Start Num: 5

Candidate Starts for Courthouse\_53:

(Start: 5 @41737 has 5 MA's), (Start: 8 @41698 has 3 MA's), (9, 41590), (10, 41518), (11, 41515),

Gene: Dove\_52 Start: 44237, Stop: 43968, Start Num: 6

Candidate Starts for Dove\_52:

(Start: 6 @44237 has 2 MA's), (7, 44234), (Start: 8 @44222 has 3 MA's), (9, 44114), (10, 44042), (11, 44039),

Gene: Lucky2013\_53 Start: 41873, Stop: 41577, Start Num: 5

Candidate Starts for Lucky2013\_53:

(Start: 5 @41873 has 5 MA's), (Start: 8 @41834 has 3 MA's), (9, 41726), (10, 41654), (11, 41651),

Gene: MiaZeal\_53 Start: 41548, Stop: 41252, Start Num: 5

Candidate Starts for MiaZeal\_53:

(Start: 5 @41548 has 5 MA's), (Start: 8 @41509 has 3 MA's), (9, 41401), (10, 41329), (11, 41326),

Gene: Porcelain\_52 Start: 41548, Stop: 41252, Start Num: 5

Candidate Starts for Porcelain\_52:

(Start: 5 @41548 has 5 MA's), (Start: 8 @41509 has 3 MA's), (9, 41401), (10, 41329), (11, 41326),

Gene: Squint\_52 Start: 41628, Stop: 41371, Start Num: 8

Candidate Starts for Squint\_52:

(Start: 5 @41667 has 5 MA's), (Start: 8 @41628 has 3 MA's), (9, 41520), (10, 41448), (11, 41445),

Gene: Superphikiman\_53 Start: 41700, Stop: 41443, Start Num: 8

Candidate Starts for Superphikiman\_53:

(Start: 5 @41739 has 5 MA's), (Start: 8 @41700 has 3 MA's), (9, 41592), (10, 41520), (11, 41517),

Gene: Thibault\_47 Start: 42472, Stop: 42206, Start Num: 6

Candidate Starts for Thibault\_47:

(Start: 6 @42472 has 2 MA's), (7, 42469), (Start: 8 @42457 has 3 MA's), (9, 42349), (10, 42277), (11, 42274),