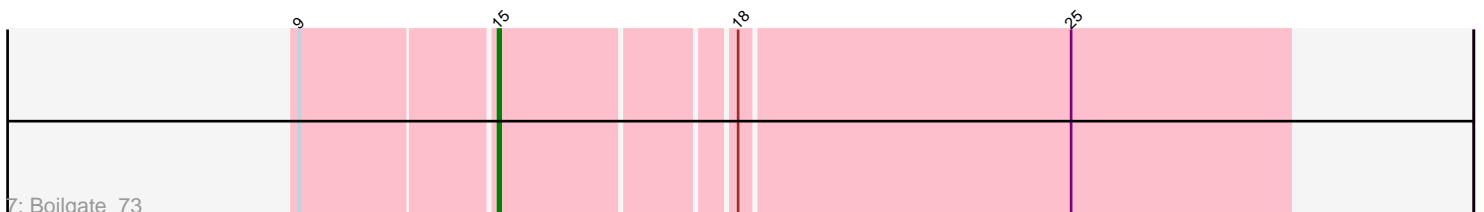
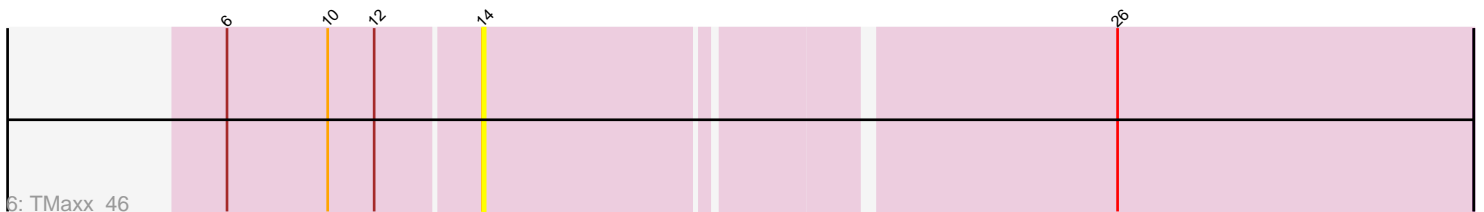
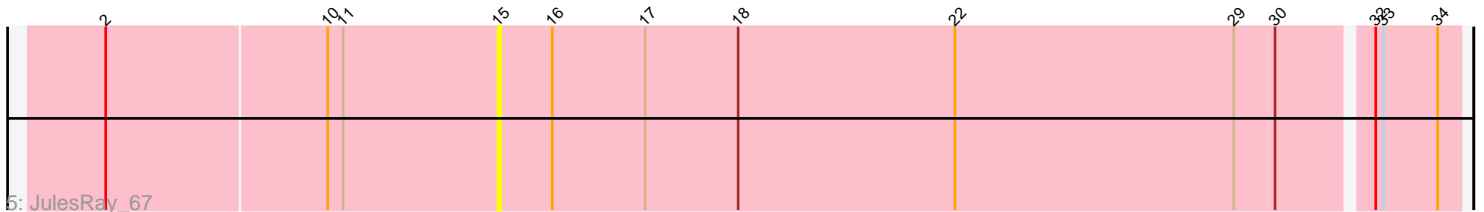
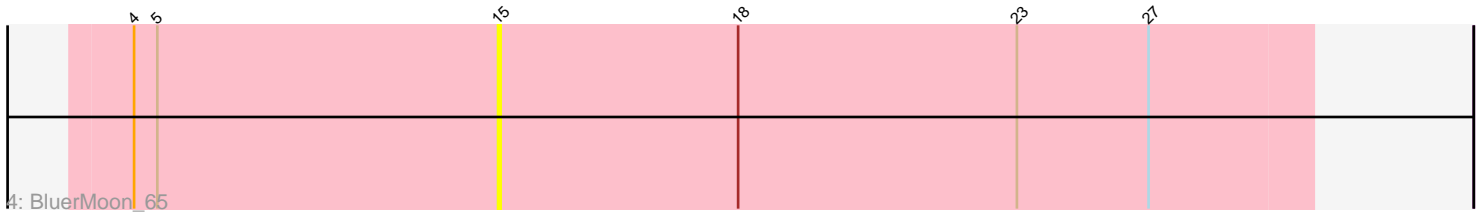
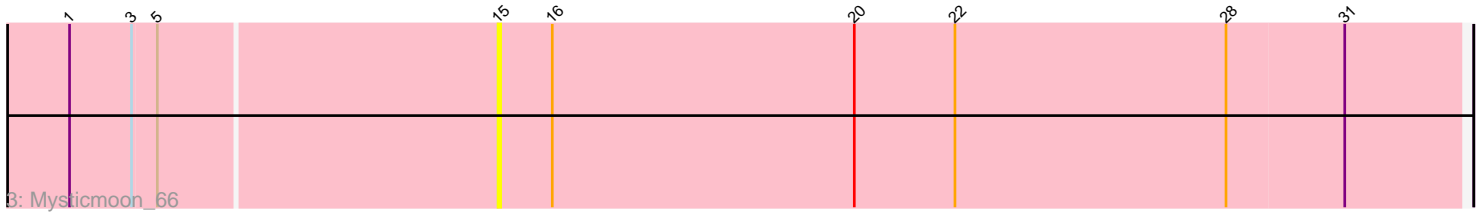
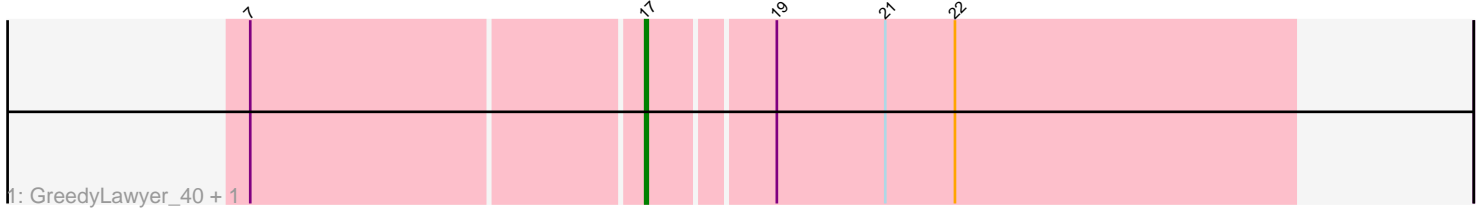


# Pham 194573



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 194573 Report

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

Pham number 194573 has 9 members, 4 are drafts.

Phages represented in each track:

- Track 1 : GreedyLawyer\_40, DaVinci\_40
- Track 2 : Fabian\_51, Vorvolakos\_54
- Track 3 : Mysticmoon\_66
- Track 4 : BluerMoon\_65
- Track 5 : JulesRay\_67
- Track 6 : TMaxx\_46
- Track 7 : Boilgate\_73

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

The start number called the most often in the published annotations is 17, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DaVinci\_40, GreedyLawyer\_40,

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

- JulesRay\_67,

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

- BluerMoon\_65, Boilgate\_73, Fabian\_51, Mysticmoon\_66, TMaxx\_46, Vorvolakos\_54,

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

Start 8:

- Found in 2 of 9 ( 22.2% ) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fabian\_51 (BF), Vorvolakos\_54 (BF),

Start 14:

- Found in 1 of 9 ( 11.1% ) of genes in pham
- No Manual Annotations of this start.

- Called 100.0% of time when present
- Phage (with cluster) where this start called: TMaxx\_46 (FR),

Start 15:

- Found in 4 of 9 ( 44.4% ) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BluerMoon\_65 (DJ), Boilgate\_73 (K8), JulesRay\_67 (DJ), Mysticmoon\_66 (DJ),

Start 17:

- Found in 3 of 9 ( 33.3% ) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 66.7% of time when present
- Phage (with cluster) where this start called: DaVinci\_40 (A6), GreedyLawyer\_40 (A6),

### **Summary by clusters:**

There are 5 clusters represented in this pham: BF, K8, DJ, FR, A6,

Info for manual annotations of cluster A6:

- Start number 17 was manually annotated 2 times for cluster A6.

Info for manual annotations of cluster BF:

- Start number 8 was manually annotated 2 times for cluster BF.

Info for manual annotations of cluster K8:

- Start number 15 was manually annotated 1 time for cluster K8.

### **Gene Information:**

Gene: BluerMoon\_65 Start: 46505, Stop: 46819, Start Num: 15

Candidate Starts for BluerMoon\_65:

(4, 46364), (5, 46373), (Start: 15 @46505 has 1 MA's), (18, 46598), (23, 46706), (27, 46757),

Gene: Boilgate\_73 Start: 53314, Stop: 53607, Start Num: 15

Candidate Starts for Boilgate\_73:

(9, 53242), (Start: 15 @53314 has 1 MA's), (18, 53398), (25, 53524),

Gene: DaVinci\_40 Start: 26470, Stop: 26225, Start Num: 17

Candidate Starts for DaVinci\_40:

(7, 26617), (Start: 17 @26470 has 2 MA's), (19, 26425), (21, 26383), (22, 26356),

Gene: Fabian\_51 Start: 29095, Stop: 28676, Start Num: 8

Candidate Starts for Fabian\_51:

(Start: 8 @29095 has 2 MA's), (11, 29068), (13, 29023), (24, 28813),

Gene: GreedyLawyer\_40 Start: 26469, Stop: 26224, Start Num: 17

Candidate Starts for GreedyLawyer\_40:

(7, 26616), (Start: 17 @26469 has 2 MA's), (19, 26424), (21, 26382), (22, 26355),

Gene: JulesRay\_67 Start: 46637, Stop: 47002, Start Num: 15

Candidate Starts for JulesRay\_67:

(2, 46487), (10, 46571), (11, 46577), (Start: 15 @46637 has 1 MA's), (16, 46658), (Start: 17 @46694 has 2 MA's), (18, 46730), (22, 46814), (29, 46922), (30, 46937), (32, 46970), (33, 46973), (34, 46994),

Gene: Mysticmoon\_66 Start: 47638, Stop: 48009, Start Num: 15

Candidate Starts for Mysticmoon\_66:

(1, 47476), (3, 47500), (5, 47509), (Start: 15 @47638 has 1 MA's), (16, 47659), (20, 47776), (22, 47815), (28, 47920), (31, 47965),

Gene: TMaxx\_46 Start: 30765, Stop: 30397, Start Num: 14

Candidate Starts for TMaxx\_46:

(6, 30861), (10, 30822), (12, 30804), (14, 30765), (26, 30534),

Gene: Vorvolakos\_54 Start: 29094, Stop: 28675, Start Num: 8

Candidate Starts for Vorvolakos\_54:

(Start: 8 @29094 has 2 MA's), (11, 29067), (13, 29022), (24, 28812),