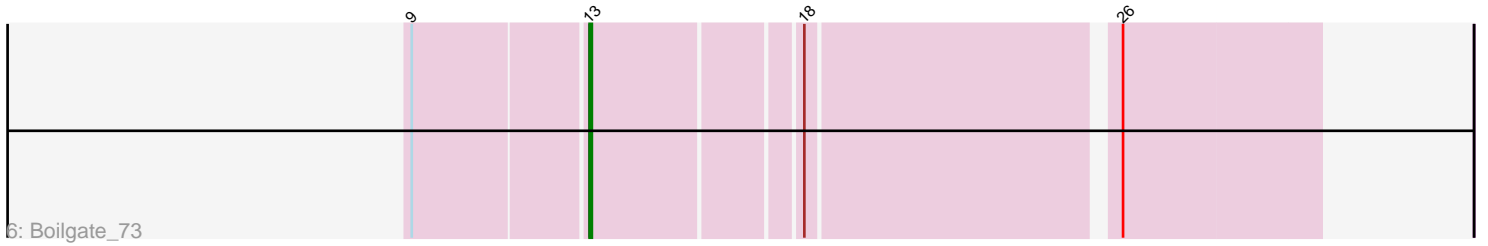
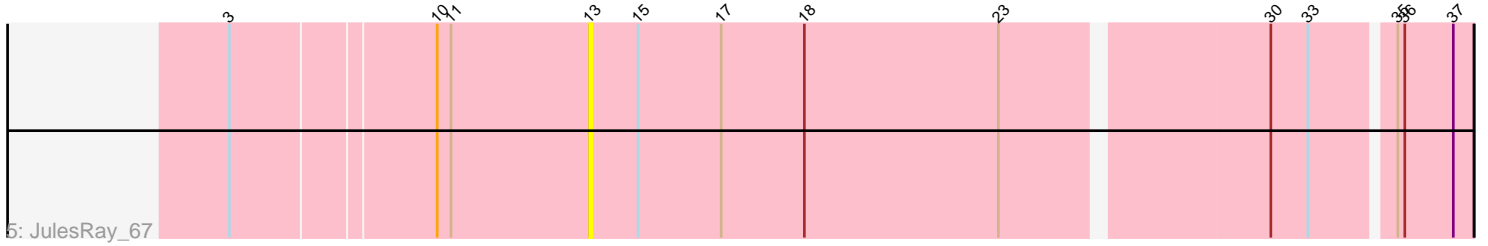
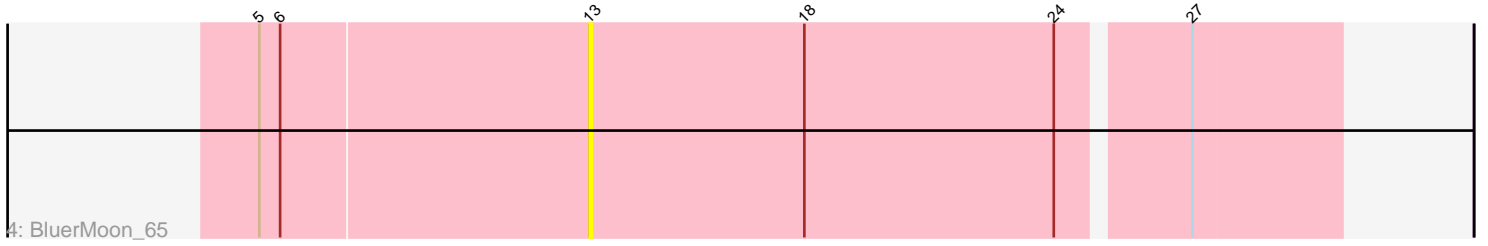
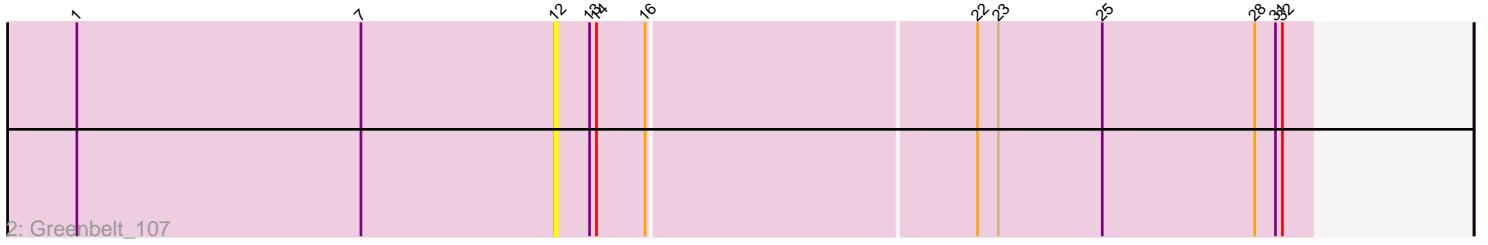
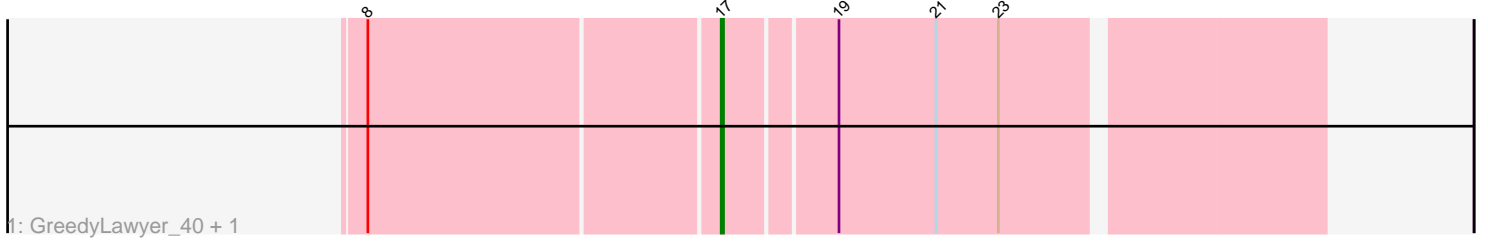


Pham 211683



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 211683 Report

This analysis was run 02/22/25 on database version 588.

Pham number 211683 has 7 members, 4 are drafts.

Phages represented in each track:

- Track 1 : GreedyLawyer_40, DaVinci_40
- Track 2 : Greenbelt_107
- Track 3 : Mysticmoon_66
- Track 4 : BluerMoon_65
- Track 5 : JulesRay_67
- Track 6 : 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 3 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, Greenbelt_107, Mysticmoon_66,

Summary by start number:

Start 12:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Greenbelt_107 (BN),

Start 13:

- Found in 5 of 7 (71.4%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 80.0% 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 7 (42.9%) of genes in pham
- Manual Annotations of this start: 2 of 3
- 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 4 clusters represented in this pham: BN, K8, DJ, 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 K8:

- Start number 13 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: BluerMoon_65 Start: 46505, Stop: 46819, Start Num: 13

Candidate Starts for BluerMoon_65:

(5, 46364), (6, 46373), (Start: 13 @46505 has 1 MA's), (18, 46598), (24, 46706), (27, 46757),

Gene: Boilgate_73 Start: 53314, Stop: 53607, Start Num: 13

Candidate Starts for Boilgate_73:

(9, 53242), (Start: 13 @53314 has 1 MA's), (18, 53398), (26, 53524),

Gene: DaVinci_40 Start: 26470, Stop: 26225, Start Num: 17

Candidate Starts for DaVinci_40:

(8, 26617), (Start: 17 @26470 has 2 MA's), (19, 26425), (21, 26383), (23, 26356),

Gene: GreedyLawyer_40 Start: 26469, Stop: 26224, Start Num: 17

Candidate Starts for GreedyLawyer_40:

(8, 26616), (Start: 17 @26469 has 2 MA's), (19, 26424), (21, 26382), (23, 26355),

Gene: Greenbelt_107 Start: 46762, Stop: 46442, Start Num: 12

Candidate Starts for Greenbelt_107:

(1, 46969), (7, 46846), (12, 46762), (Start: 13 @46747 has 1 MA's), (14, 46744), (16, 46723), (22, 46585), (23, 46576), (25, 46531), (28, 46465), (31, 46456), (32, 46453),

Gene: JulesRay_67 Start: 46637, Stop: 47002, Start Num: 13

Candidate Starts for JulesRay_67:

(3, 46487), (10, 46571), (11, 46577), (Start: 13 @46637 has 1 MA's), (15, 46658), (Start: 17 @46694 has 2 MA's), (18, 46730), (23, 46814), (30, 46922), (33, 46937), (35, 46970), (36, 46973), (37, 46994),

Gene: Mysticmoon_66 Start: 47638, Stop: 48009, Start Num: 13

Candidate Starts for Mysticmoon_66:

(2, 47476), (4, 47500), (6, 47509), (Start: 13 @47638 has 1 MA's), (15, 47659), (20, 47776), (23, 47815), (29, 47920), (34, 47965),