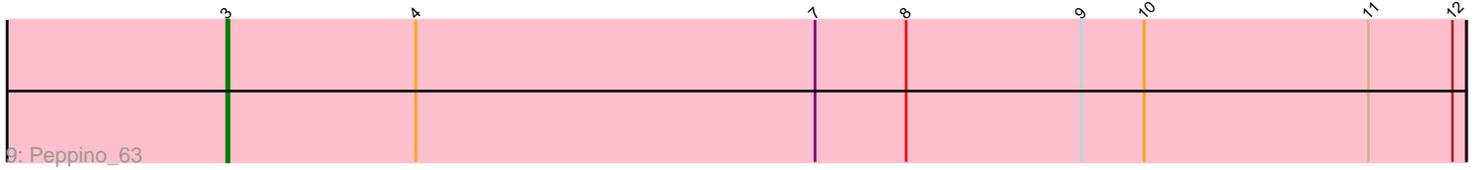
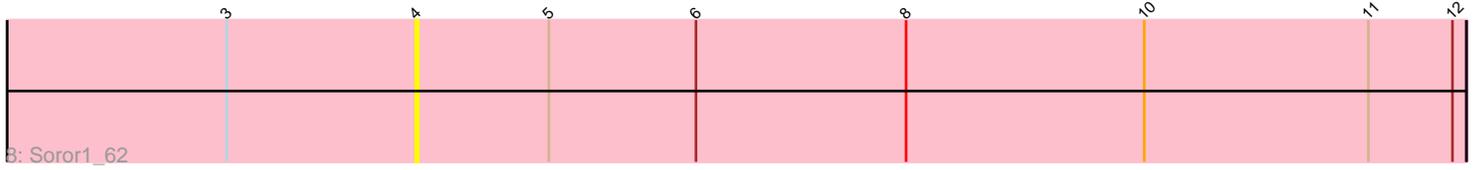
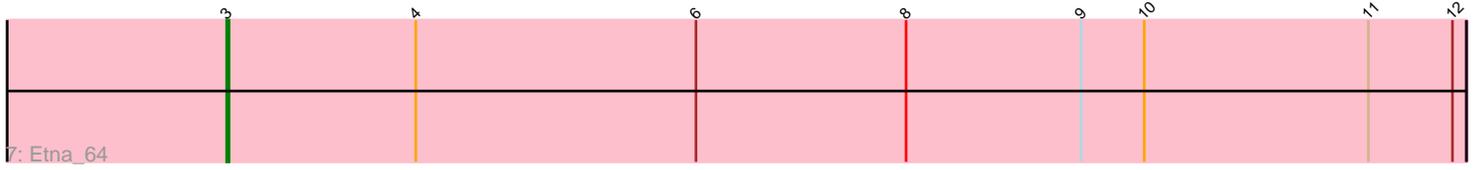
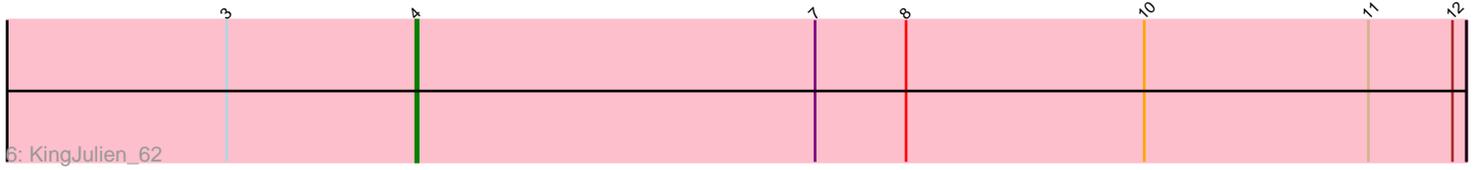
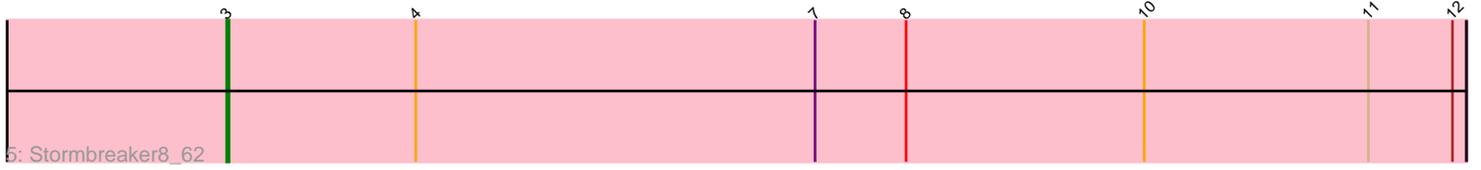
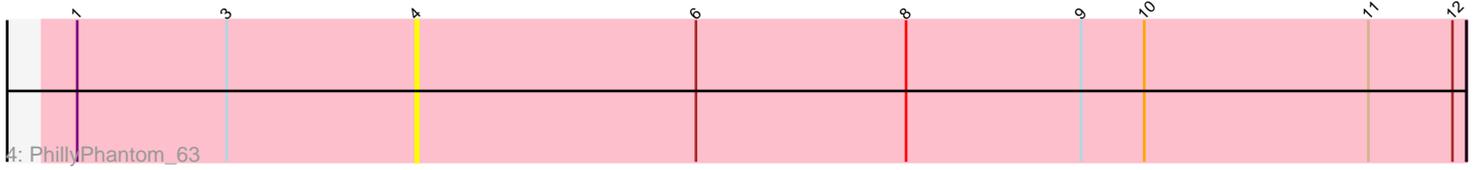
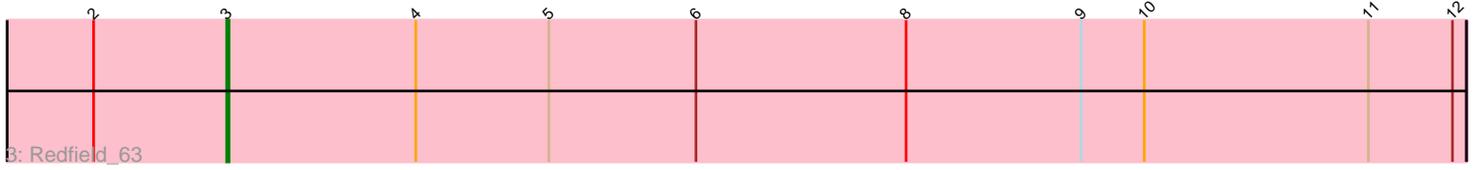
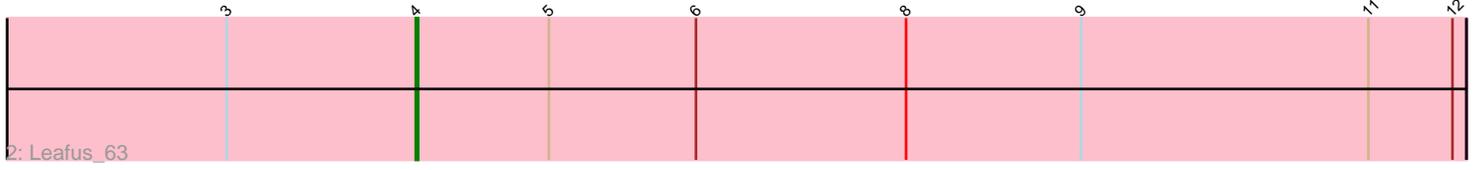
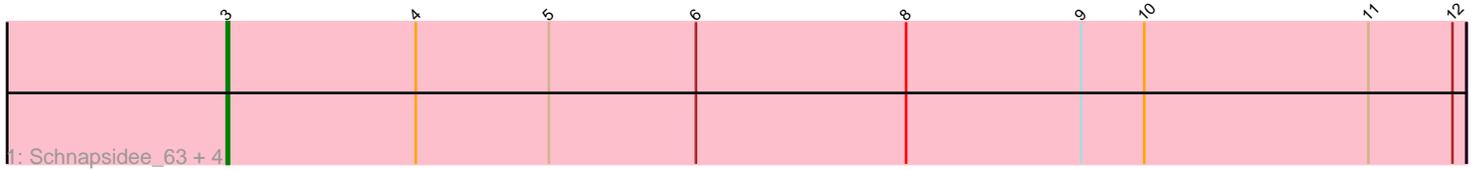


Pham 284321



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 284321 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284321 has 13 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Schnapsidee_63, BeeBee8_65, Balsa_62, Raccoon_63, Hamlet_63
- Track 2 : Leafus_63
- Track 3 : Redfield_63
- Track 4 : PhillyPhantom_63
- Track 5 : Stormbreaker8_62
- Track 6 : KingJulien_62
- Track 7 : Etna_64
- Track 8 : Soror1_62
- Track 9 : Peppino_63

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Balsa_62, BeeBee8_65, Etna_64, Hamlet_63, Peppino_63, Raccoon_63, Redfield_63, Schnapsidee_63, Stormbreaker8_62,

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

- KingJulien_62, Leafus_63, PhillyPhantom_63, Soror1_62,

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

-

Summary by start number:

Start 3:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 11
- Called 69.2% of time when present
- Phage (with cluster) where this start called: Balsa_62 (EA1), BeeBee8_65 (EA1), Etna_64 (EA1), Hamlet_63 (EA1), Peppino_63 (EA1), Raccoon_63 (EA1), Redfield_63 (EA1), Schnapsidee_63 (EA1), Stormbreaker8_62 (EA1),

Start 4:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 11
- Called 30.8% of time when present
- Phage (with cluster) where this start called: KingJulien_62 (EA1), Leafus_63 (EA1), PhillyPhantom_63 (EA1), Soror1_62 (EA1),

Summary by clusters:

There is one cluster represented in this pham: EA1

Info for manual annotations of cluster EA1:

- Start number 3 was manually annotated 9 times for cluster EA1.
- Start number 4 was manually annotated 2 times for cluster EA1.

Gene Information:

Gene: Balsa_62 Start: 41165, Stop: 41695, Start Num: 3

Candidate Starts for Balsa_62:

(Start: 3 @41165 has 9 MA's), (Start: 4 @41246 has 2 MA's), (5, 41303), (6, 41366), (8, 41456), (9, 41531), (10, 41558), (11, 41654), (12, 41690),

Gene: BeeBee8_65 Start: 41330, Stop: 41860, Start Num: 3

Candidate Starts for BeeBee8_65:

(Start: 3 @41330 has 9 MA's), (Start: 4 @41411 has 2 MA's), (5, 41468), (6, 41531), (8, 41621), (9, 41696), (10, 41723), (11, 41819), (12, 41855),

Gene: Etna_64 Start: 41211, Stop: 41741, Start Num: 3

Candidate Starts for Etna_64:

(Start: 3 @41211 has 9 MA's), (Start: 4 @41292 has 2 MA's), (6, 41412), (8, 41502), (9, 41577), (10, 41604), (11, 41700), (12, 41736),

Gene: Hamlet_63 Start: 41237, Stop: 41767, Start Num: 3

Candidate Starts for Hamlet_63:

(Start: 3 @41237 has 9 MA's), (Start: 4 @41318 has 2 MA's), (5, 41375), (6, 41438), (8, 41528), (9, 41603), (10, 41630), (11, 41726), (12, 41762),

Gene: KingJulien_62 Start: 41134, Stop: 41583, Start Num: 4

Candidate Starts for KingJulien_62:

(Start: 3 @41053 has 9 MA's), (Start: 4 @41134 has 2 MA's), (7, 41305), (8, 41344), (10, 41446), (11, 41542), (12, 41578),

Gene: Leafus_63 Start: 41384, Stop: 41833, Start Num: 4

Candidate Starts for Leafus_63:

(Start: 3 @41303 has 9 MA's), (Start: 4 @41384 has 2 MA's), (5, 41441), (6, 41504), (8, 41594), (9, 41669), (11, 41792), (12, 41828),

Gene: Peppino_63 Start: 41235, Stop: 41765, Start Num: 3

Candidate Starts for Peppino_63:

(Start: 3 @41235 has 9 MA's), (Start: 4 @41316 has 2 MA's), (7, 41487), (8, 41526), (9, 41601), (10, 41628), (11, 41724), (12, 41760),

Gene: PhillyPhantom_63 Start: 41205, Stop: 41654, Start Num: 4

Candidate Starts for PhillyPhantom_63:

(1, 41061), (Start: 3 @41124 has 9 MA's), (Start: 4 @41205 has 2 MA's), (6, 41325), (8, 41415), (9, 41490), (10, 41517), (11, 41613), (12, 41649),

Gene: Raccoon_63 Start: 41197, Stop: 41727, Start Num: 3

Candidate Starts for Raccoon_63:

(Start: 3 @41197 has 9 MA's), (Start: 4 @41278 has 2 MA's), (5, 41335), (6, 41398), (8, 41488), (9, 41563), (10, 41590), (11, 41686), (12, 41722),

Gene: Redfield_63 Start: 41233, Stop: 41763, Start Num: 3

Candidate Starts for Redfield_63:

(2, 41176), (Start: 3 @41233 has 9 MA's), (Start: 4 @41314 has 2 MA's), (5, 41371), (6, 41434), (8, 41524), (9, 41599), (10, 41626), (11, 41722), (12, 41758),

Gene: Schnapsidee_63 Start: 41175, Stop: 41705, Start Num: 3

Candidate Starts for Schnapsidee_63:

(Start: 3 @41175 has 9 MA's), (Start: 4 @41256 has 2 MA's), (5, 41313), (6, 41376), (8, 41466), (9, 41541), (10, 41568), (11, 41664), (12, 41700),

Gene: Soror1_62 Start: 41128, Stop: 41577, Start Num: 4

Candidate Starts for Soror1_62:

(Start: 3 @41047 has 9 MA's), (Start: 4 @41128 has 2 MA's), (5, 41185), (6, 41248), (8, 41338), (10, 41440), (11, 41536), (12, 41572),

Gene: Stormbreaker8_62 Start: 41054, Stop: 41584, Start Num: 3

Candidate Starts for Stormbreaker8_62:

(Start: 3 @41054 has 9 MA's), (Start: 4 @41135 has 2 MA's), (7, 41306), (8, 41345), (10, 41447), (11, 41543), (12, 41579),