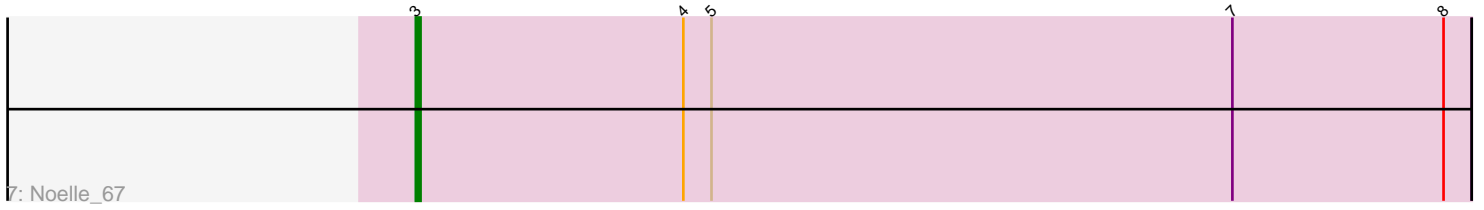
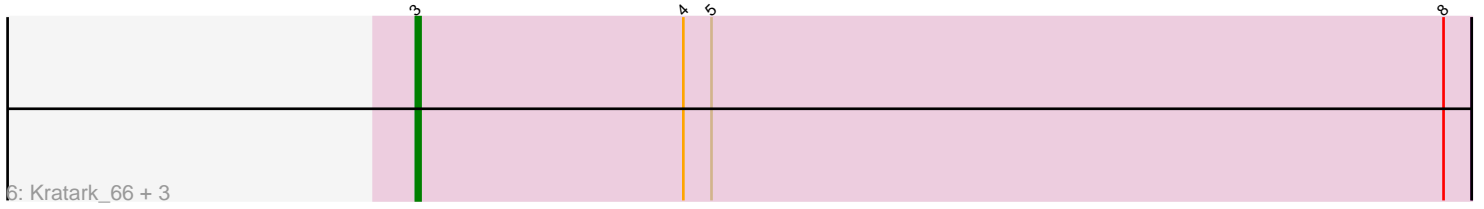
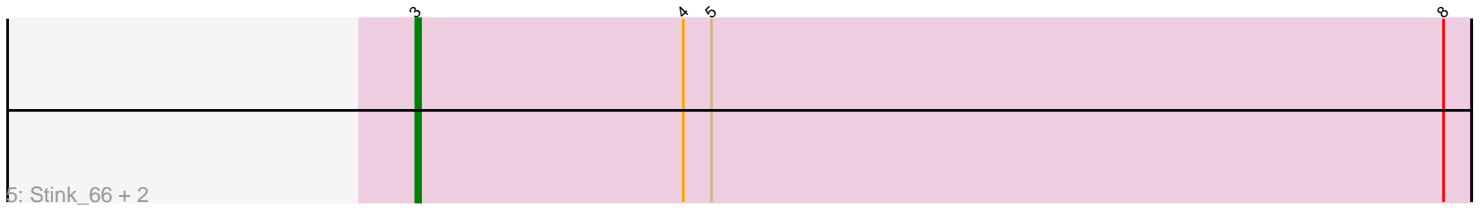
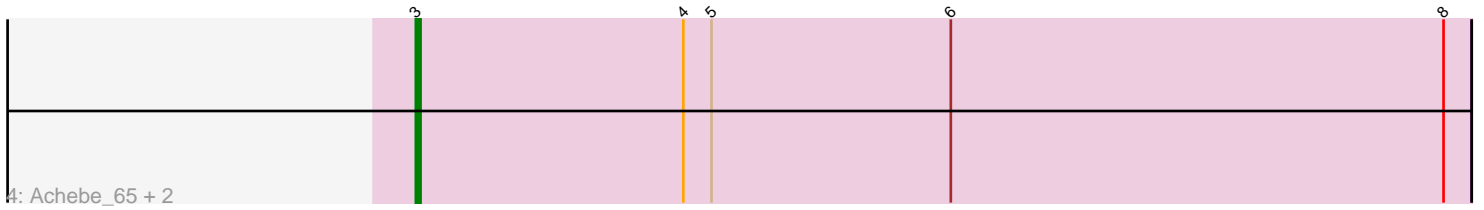
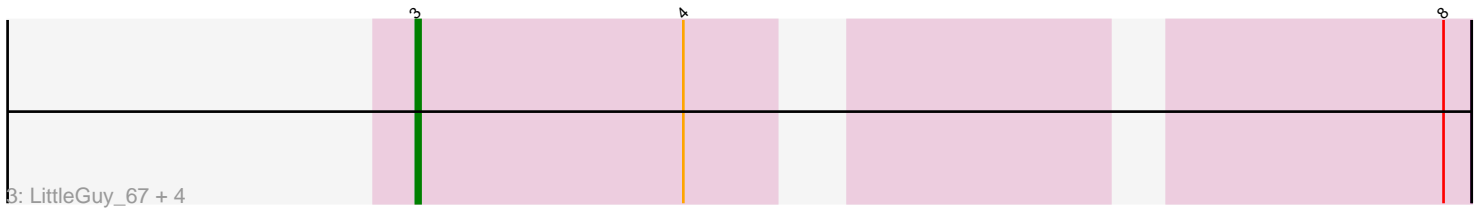
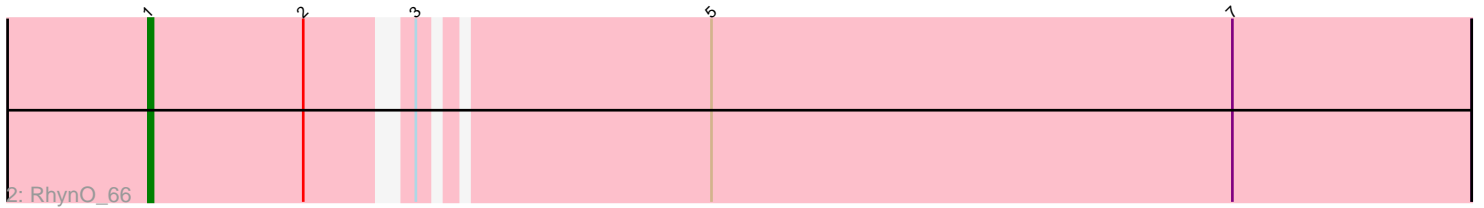
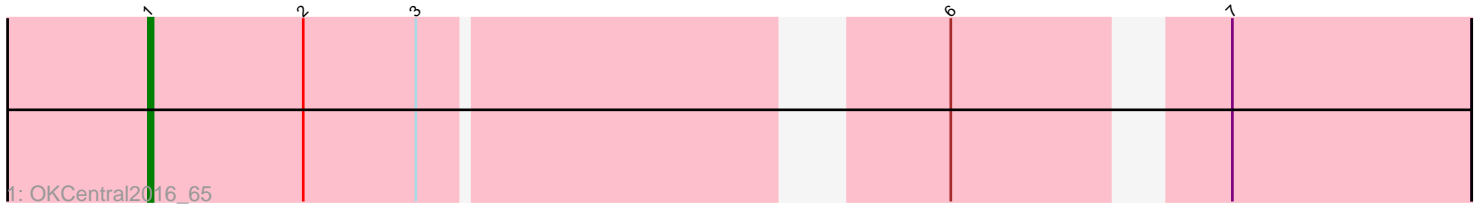


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 194377 Report

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

Pham number 194377 has 18 members, 0 are drafts.

Phages represented in each track:

- Track 1 : OKCentral2016_65
- Track 2 : RhynO_66
- Track 3 : LittleGuy_67, Phontbonne_67, YoSam321_67, Medusa_67, Blackmoor_66
- Track 4 : Achebe_65, Mundrea_66, Cindaradix_63
- Track 5 : Stink_66, AvatarAhPeg_66, Miramae_66
- Track 6 : Kratark_66, Cintron_67, ICleared_66, Kremtemulon_66
- Track 7 : Noelle_67

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 16 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Achebe_65, AvatarAhPeg_66, Blackmoor_66, Cindaradix_63, Cintron_67, ICleared_66, Kratark_66, Kremtemulon_66, LittleGuy_67, Medusa_67, Miramae_66, Mundrea_66, Noelle_67, Phontbonne_67, Stink_66, YoSam321_67,

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

- OKCentral2016_65, RhynO_66,

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

-

Summary by start number:

Start 1:

- Found in 2 of 18 (11.1%) of genes in pham
- Manual Annotations of this start: 2 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OKCentral2016_65 (A10), RhynO_66 (A10),

Start 3:

- Found in 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 16 of 18
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Achebe_65 (A4), AvatarAhPeg_66 (A4), Blackmoor_66 (A4), Cindaradix_63 (A4), Cintron_67 (A4), ICleared_66 (A4), Kratark_66 (A4), Kremtemulon_66 (A4), LittleGuy_67 (A4), Medusa_67 (A4), Miramae_66 (A4), Mundrea_66 (A4), Noelle_67 (A4), Phontbonne_67 (A4), Stink_66 (A4), YoSam321_67 (A4),

Summary by clusters:

There are 2 clusters represented in this pham: A4, A10,

Info for manual annotations of cluster A10:

- Start number 1 was manually annotated 2 times for cluster A10.

Info for manual annotations of cluster A4:

- Start number 3 was manually annotated 16 times for cluster A4.

Gene Information:

Gene: Achebe_65 Start: 42630, Stop: 42406, Start Num: 3

Candidate Starts for Achebe_65:

(Start: 3 @42630 has 16 MA's), (4, 42573), (5, 42567), (6, 42516), (8, 42411),

Gene: AvatarAhPeg_66 Start: 42517, Stop: 42293, Start Num: 3

Candidate Starts for AvatarAhPeg_66:

(Start: 3 @42517 has 16 MA's), (4, 42460), (5, 42454), (8, 42298),

Gene: Blackmoor_66 Start: 42359, Stop: 42162, Start Num: 3

Candidate Starts for Blackmoor_66:

(Start: 3 @42359 has 16 MA's), (4, 42302), (8, 42167),

Gene: Cindaradix_63 Start: 42259, Stop: 42035, Start Num: 3

Candidate Starts for Cindaradix_63:

(Start: 3 @42259 has 16 MA's), (4, 42202), (5, 42196), (6, 42145), (8, 42040),

Gene: Cintron_67 Start: 42507, Stop: 42283, Start Num: 3

Candidate Starts for Cintron_67:

(Start: 3 @42507 has 16 MA's), (4, 42450), (5, 42444), (8, 42288),

Gene: ICleared_66 Start: 42425, Stop: 42201, Start Num: 3

Candidate Starts for ICleared_66:

(Start: 3 @42425 has 16 MA's), (4, 42368), (5, 42362), (8, 42206),

Gene: Kratark_66 Start: 42394, Stop: 42170, Start Num: 3

Candidate Starts for Kratark_66:

(Start: 3 @42394 has 16 MA's), (4, 42337), (5, 42331), (8, 42175),

Gene: Kremtemulon_66 Start: 42490, Stop: 42266, Start Num: 3

Candidate Starts for Kremtemulon_66:

(Start: 3 @42490 has 16 MA's), (4, 42433), (5, 42427), (8, 42271),

Gene: LittleGuy_67 Start: 42253, Stop: 42056, Start Num: 3

Candidate Starts for LittleGuy_67:

(Start: 3 @42253 has 16 MA's), (4, 42196), (8, 42061),

Gene: Medusa_67 Start: 42371, Stop: 42174, Start Num: 3

Candidate Starts for Medusa_67:

(Start: 3 @42371 has 16 MA's), (4, 42314), (8, 42179),

Gene: Miramae_66 Start: 42179, Stop: 41955, Start Num: 3

Candidate Starts for Miramae_66:

(Start: 3 @42179 has 16 MA's), (4, 42122), (5, 42116), (8, 41960),

Gene: Mundrea_66 Start: 42647, Stop: 42423, Start Num: 3

Candidate Starts for Mundrea_66:

(Start: 3 @42647 has 16 MA's), (4, 42590), (5, 42584), (6, 42533), (8, 42428),

Gene: Noelle_67 Start: 42962, Stop: 42738, Start Num: 3

Candidate Starts for Noelle_67:

(Start: 3 @42962 has 16 MA's), (4, 42905), (5, 42899), (7, 42788), (8, 42743),

Gene: OKCentral2016_65 Start: 41306, Stop: 41055, Start Num: 1

Candidate Starts for OKCentral2016_65:

(Start: 1 @41306 has 2 MA's), (2, 41273), (Start: 3 @41249 has 16 MA's), (6, 41153), (7, 41105),

Gene: Phontbonne_67 Start: 42263, Stop: 42066, Start Num: 3

Candidate Starts for Phontbonne_67:

(Start: 3 @42263 has 16 MA's), (4, 42206), (8, 42071),

Gene: RhynO_66 Start: 41808, Stop: 41539, Start Num: 1

Candidate Starts for RhynO_66:

(Start: 1 @41808 has 2 MA's), (2, 41775), (Start: 3 @41757 has 16 MA's), (5, 41700), (7, 41589),

Gene: Stink_66 Start: 42459, Stop: 42235, Start Num: 3

Candidate Starts for Stink_66:

(Start: 3 @42459 has 16 MA's), (4, 42402), (5, 42396), (8, 42240),

Gene: YoSam321_67 Start: 42351, Stop: 42154, Start Num: 3

Candidate Starts for YoSam321_67:

(Start: 3 @42351 has 16 MA's), (4, 42294), (8, 42159),