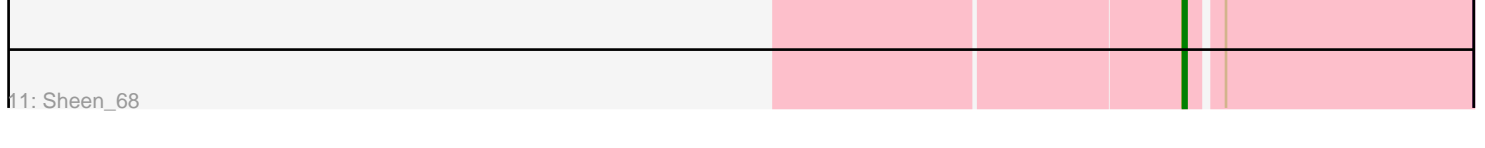
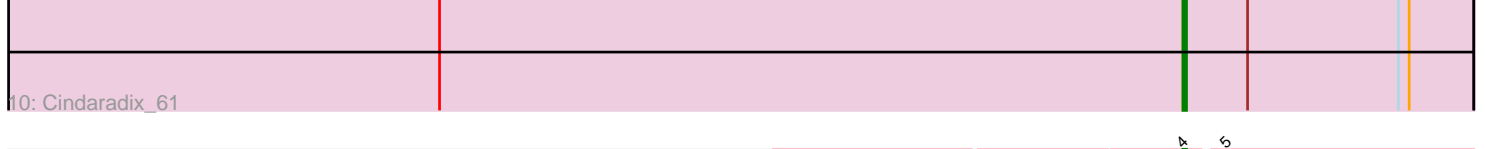
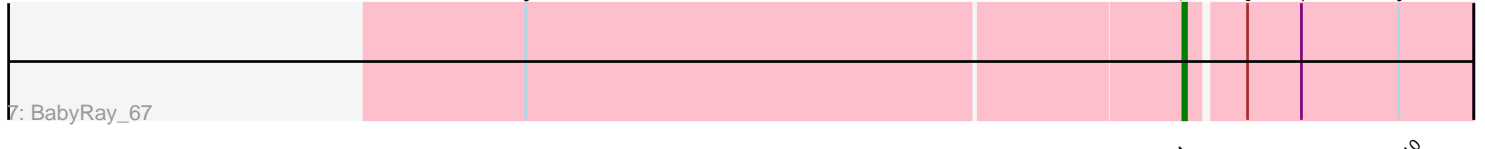
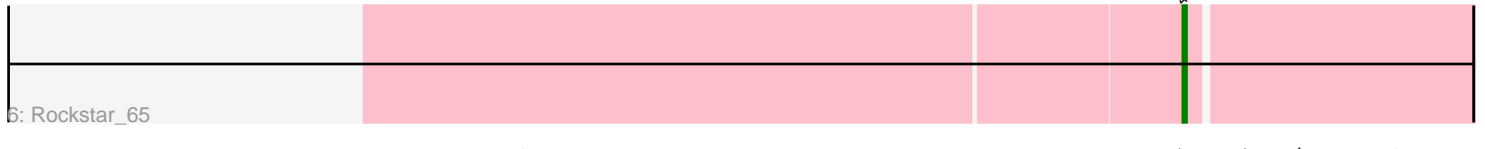
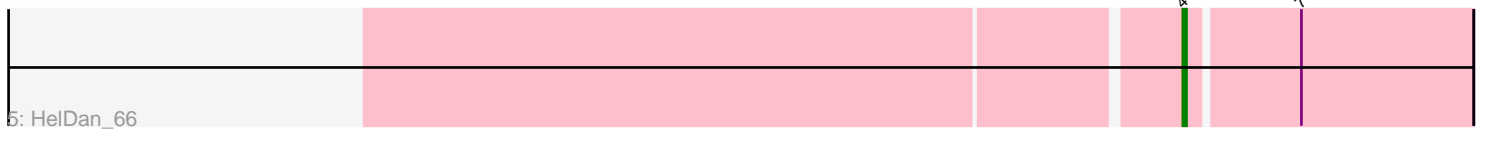
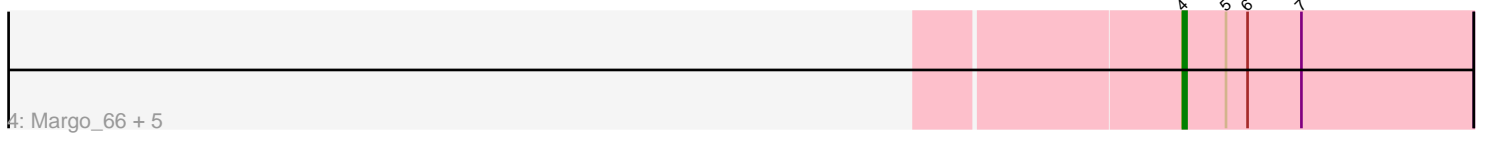
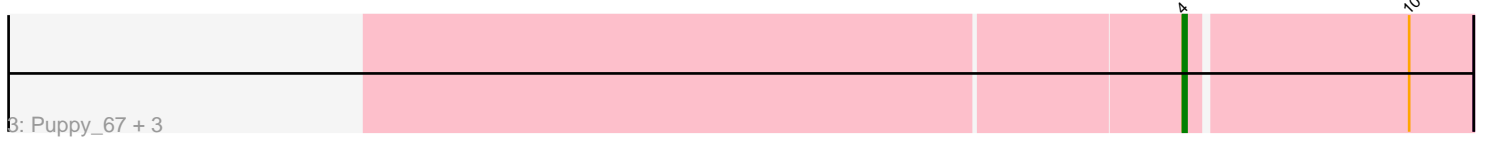
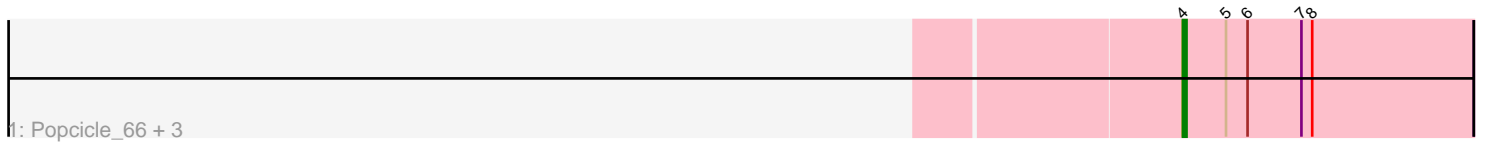


Pham 311970



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 311970 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311970 has 24 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Popcicle_66, QuinnKiro_65, Panamaxus_64, Todacoro_66
- Track 2 : Phantastic_68
- Track 3 : Puppy_67, Idleandcovert_67, BlueBird_69, Giroux_69
- Track 4 : Margo_66, Texage_64, Hookmount_66, Caviar_66, Lambert1_66, Noella_66
- Track 5 : HelDan_66
- Track 6 : Rockstar_65
- Track 7 : BabyRay_67
- Track 8 : AvatarAhPeg_64, Miramae_64, Stink_64
- Track 9 : Kratark_64
- Track 10 : Cindaradix_61
- Track 11 : Sheen_68

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

The start number called the most often in the published annotations is 4, it was called in 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AvatarAhPeg_64, BabyRay_67, BlueBird_69, Caviar_66, Cindaradix_61, Giroux_69, HelDan_66, Hookmount_66, Idleandcovert_67, Kratark_64, Lambert1_66, Margo_66, Miramae_64, Noella_66, Panamaxus_64, Phantastic_68, Popcicle_66, Puppy_67, QuinnKiro_65, Rockstar_65, Sheen_68, Stink_64, Texage_64, Todacoro_66,

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

-

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

-

Summary by start number:

Start 4:

- Found in 24 of 24 (100.0%) of genes in pham

- Manual Annotations of this start: 24 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AvatarAhPeg_64 (A4), BabyRay_67 (A3), BlueBird_69 (A3), Caviar_66 (A3), Cindaradix_61 (A4), Giroux_69 (A3), HelDan_66 (A3), Hookmount_66 (A3), Idleandcovert_67 (A3), Kratark_64 (A4), Lambert1_66 (A3), Margo_66 (A3), Miramae_64 (A4), Noella_66 (A3), Panamaxus_64 (A3), Phantastic_68 (A3), Popcicle_66 (A3), Puppy_67 (A3), QuinnKiro_65 (A3), Rockstar_65 (A3), Sheen_68 (A7), Stink_64 (A4), Texage_64 (A3), Todacoro_66 (A3),

Summary by clusters:

There are 3 clusters represented in this pham: A3, A4, A7,

Info for manual annotations of cluster A3:

- Start number 4 was manually annotated 18 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 4 was manually annotated 5 times for cluster A4.

Info for manual annotations of cluster A7:

- Start number 4 was manually annotated 1 time for cluster A7.

Gene Information:

Gene: AvatarAhPeg_64 Start: 42105, Stop: 42028, Start Num: 4

Candidate Starts for AvatarAhPeg_64:

(Start: 4 @42105 has 24 MA's), (10, 42045),

Gene: BabyRay_67 Start: 41792, Stop: 41715, Start Num: 4

Candidate Starts for BabyRay_67:

(3, 41972), (Start: 4 @41792 has 24 MA's), (6, 41777), (7, 41762), (9, 41735),

Gene: BlueBird_69 Start: 41839, Stop: 41762, Start Num: 4

Candidate Starts for BlueBird_69:

(Start: 4 @41839 has 24 MA's), (10, 41779),

Gene: Caviar_66 Start: 41792, Stop: 41712, Start Num: 4

Candidate Starts for Caviar_66:

(Start: 4 @41792 has 24 MA's), (5, 41780), (6, 41774), (7, 41759),

Gene: Cindaradix_61 Start: 41847, Stop: 41767, Start Num: 4

Candidate Starts for Cindaradix_61:

(2, 42054), (Start: 4 @41847 has 24 MA's), (6, 41829), (9, 41787), (10, 41784),

Gene: Giroux_69 Start: 41838, Stop: 41761, Start Num: 4

Candidate Starts for Giroux_69:

(Start: 4 @41838 has 24 MA's), (10, 41778),

Gene: HelDan_66 Start: 41746, Stop: 41669, Start Num: 4

Candidate Starts for HelDan_66:

(Start: 4 @41746 has 24 MA's), (7, 41716),

Gene: Hookmount_66 Start: 41793, Stop: 41713, Start Num: 4
Candidate Starts for Hookmount_66:
(Start: 4 @41793 has 24 MA's), (5, 41781), (6, 41775), (7, 41760),

Gene: Idleandcovert_67 Start: 41839, Stop: 41762, Start Num: 4
Candidate Starts for Idleandcovert_67:
(Start: 4 @41839 has 24 MA's), (10, 41779),

Gene: Kratark_64 Start: 41982, Stop: 41902, Start Num: 4
Candidate Starts for Kratark_64:
(1, 42279), (2, 42189), (Start: 4 @41982 has 24 MA's), (6, 41964), (9, 41922), (10, 41919),

Gene: Lambert1_66 Start: 41792, Stop: 41712, Start Num: 4
Candidate Starts for Lambert1_66:
(Start: 4 @41792 has 24 MA's), (5, 41780), (6, 41774), (7, 41759),

Gene: Margo_66 Start: 41818, Stop: 41738, Start Num: 4
Candidate Starts for Margo_66:
(Start: 4 @41818 has 24 MA's), (5, 41806), (6, 41800), (7, 41785),

Gene: Miramae_64 Start: 41767, Stop: 41690, Start Num: 4
Candidate Starts for Miramae_64:
(Start: 4 @41767 has 24 MA's), (10, 41707),

Gene: Noella_66 Start: 41793, Stop: 41713, Start Num: 4
Candidate Starts for Noella_66:
(Start: 4 @41793 has 24 MA's), (5, 41781), (6, 41775), (7, 41760),

Gene: Panamaxus_64 Start: 41792, Stop: 41712, Start Num: 4
Candidate Starts for Panamaxus_64:
(Start: 4 @41792 has 24 MA's), (5, 41780), (6, 41774), (7, 41759), (8, 41756),

Gene: Phantastic_68 Start: 41454, Stop: 41377, Start Num: 4
Candidate Starts for Phantastic_68:
(Start: 4 @41454 has 24 MA's), (10, 41394),

Gene: Popcicle_66 Start: 41789, Stop: 41709, Start Num: 4
Candidate Starts for Popcicle_66:
(Start: 4 @41789 has 24 MA's), (5, 41777), (6, 41771), (7, 41756), (8, 41753),

Gene: Puppy_67 Start: 41458, Stop: 41381, Start Num: 4
Candidate Starts for Puppy_67:
(Start: 4 @41458 has 24 MA's), (10, 41398),

Gene: QuinnKiro_65 Start: 41792, Stop: 41712, Start Num: 4
Candidate Starts for QuinnKiro_65:
(Start: 4 @41792 has 24 MA's), (5, 41780), (6, 41774), (7, 41759), (8, 41756),

Gene: Rockstar_65 Start: 41280, Stop: 41203, Start Num: 4
Candidate Starts for Rockstar_65:
(Start: 4 @41280 has 24 MA's),

Gene: Sheen_68 Start: 45498, Stop: 45421, Start Num: 4
Candidate Starts for Sheen_68:
(Start: 4 @45498 has 24 MA's), (5, 45489),

Gene: Stink_64 Start: 42047, Stop: 41970, Start Num: 4
Candidate Starts for Stink_64:
(Start: 4 @42047 has 24 MA's), (10, 41987),

Gene: Texage_64 Start: 41793, Stop: 41713, Start Num: 4
Candidate Starts for Texage_64:
(Start: 4 @41793 has 24 MA's), (5, 41781), (6, 41775), (7, 41760),

Gene: Todacoro_66 Start: 41792, Stop: 41712, Start Num: 4
Candidate Starts for Todacoro_66:
(Start: 4 @41792 has 24 MA's), (5, 41780), (6, 41774), (7, 41759), (8, 41756),