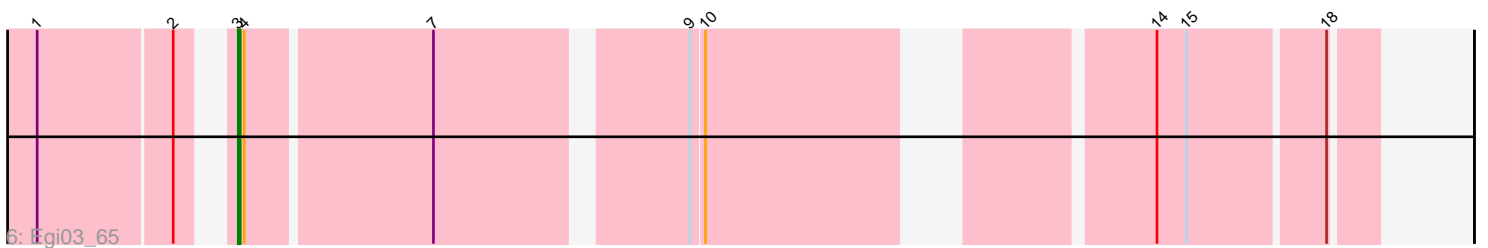
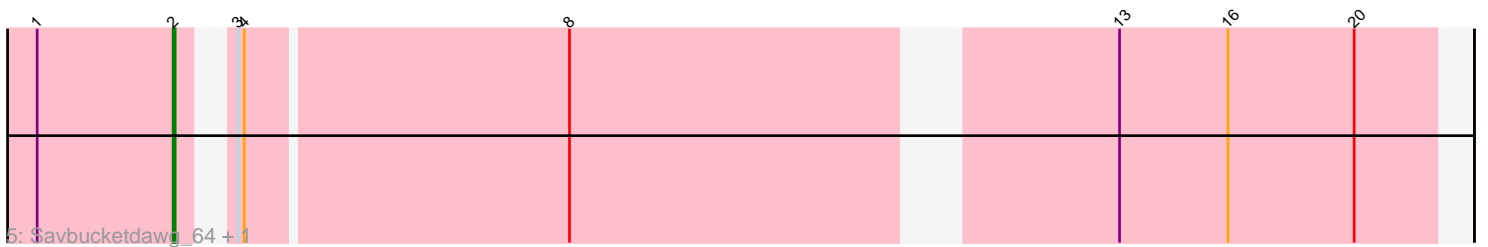
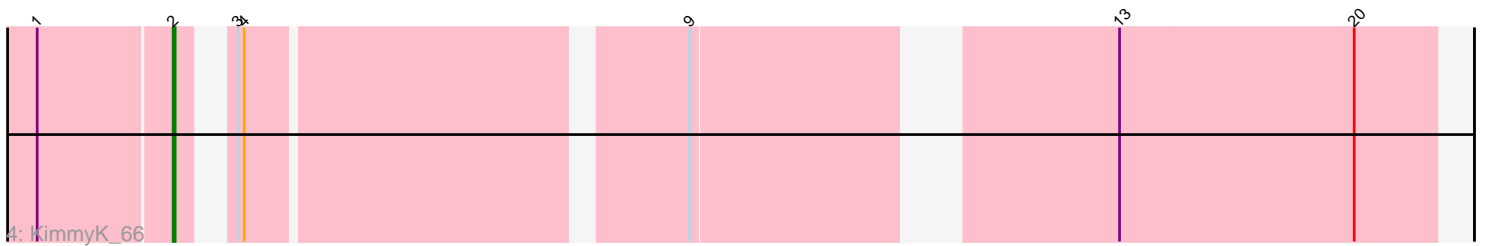
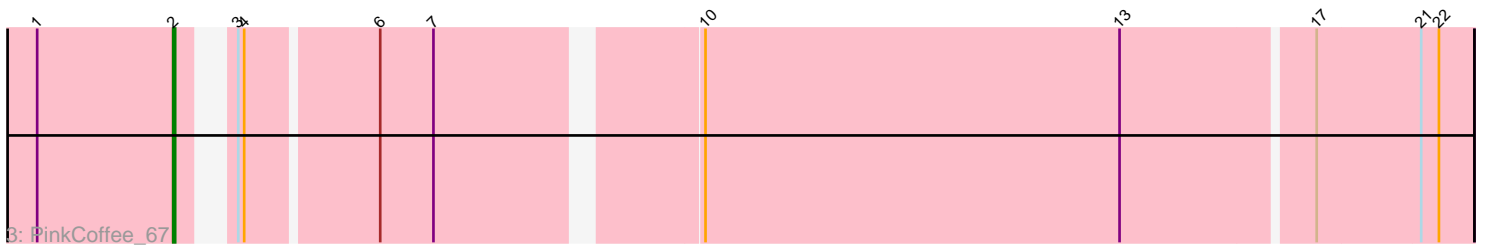
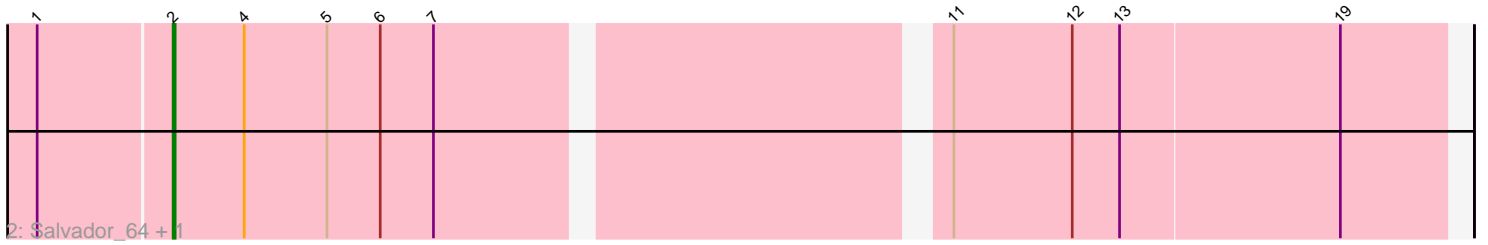
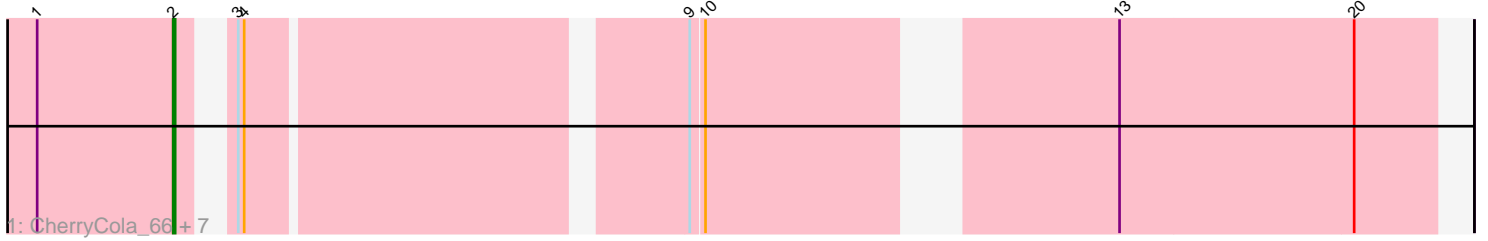


Pham 303755



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 303755 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303755 has 15 members, 1 are drafts.

Phages represented in each track:

- Track 1 : CherryCola_66, Gezellig_63, JohnPork_68, Halo3_64, Fireball_68, Wizard_63, TillyBobJoe_65, Portcullis_67
- Track 2 : Salvador_64, Evamon_64
- Track 3 : PinkCoffee_67
- Track 4 : KimmyK_66
- Track 5 : Savbucketdawg_64, Jambalaya_64
- Track 6 : Egi03_65

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

The start number called the most often in the published annotations is 2, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryCola_66, Evamon_64, Fireball_68, Gezellig_63, Halo3_64, Jambalaya_64, JohnPork_68, KimmyK_66, PinkCoffee_67, Portcullis_67, Salvador_64, Savbucketdawg_64, TillyBobJoe_65, Wizard_63,

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

- Egi03_65,

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

-

Summary by start number:

Start 2:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 14
- Called 93.3% of time when present
- Phage (with cluster) where this start called: CherryCola_66 (DC1), Evamon_64 (DC1), Fireball_68 (DC1), Gezellig_63 (DC1), Halo3_64 (DC1), Jambalaya_64 (DC1), JohnPork_68 (DC1), KimmyK_66 (DC1), PinkCoffee_67 (DC1), Portcullis_67 (DC1), Salvador_64 (DC1), Savbucketdawg_64 (DC1), TillyBobJoe_65 (DC1), Wizard_63

(DC1),

Start 3:

- Found in 13 of 15 (86.7%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Egi03_65 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:

- Start number 2 was manually annotated 13 times for cluster DC1.
- Start number 3 was manually annotated 1 time for cluster DC1.

Gene Information:

Gene: CherryCola_66 Start: 48857, Stop: 49420, Start Num: 2

Candidate Starts for CherryCola_66:

(1, 48788), (Start: 2 @48857 has 13 MA's), (Start: 3 @48872 has 1 MA's), (4, 48875), (9, 49079), (10, 49085), (13, 49262), (20, 49379),

Gene: Egi03_65 Start: 47991, Stop: 48491, Start Num: 3

Candidate Starts for Egi03_65:

(1, 47910), (Start: 2 @47976 has 13 MA's), (Start: 3 @47991 has 1 MA's), (4, 47994), (7, 48084), (9, 48198), (10, 48204), (14, 48390), (15, 48405), (18, 48471),

Gene: Evamon_64 Start: 47648, Stop: 48256, Start Num: 2

Candidate Starts for Evamon_64:

(1, 47582), (Start: 2 @47648 has 13 MA's), (4, 47684), (5, 47726), (6, 47753), (7, 47780), (11, 48011), (12, 48071), (13, 48095), (19, 48203),

Gene: Fireball_68 Start: 48509, Stop: 49072, Start Num: 2

Candidate Starts for Fireball_68:

(1, 48440), (Start: 2 @48509 has 13 MA's), (Start: 3 @48524 has 1 MA's), (4, 48527), (9, 48731), (10, 48737), (13, 48914), (20, 49031),

Gene: Gezellig_63 Start: 48103, Stop: 48666, Start Num: 2

Candidate Starts for Gezellig_63:

(1, 48034), (Start: 2 @48103 has 13 MA's), (Start: 3 @48118 has 1 MA's), (4, 48121), (9, 48325), (10, 48331), (13, 48508), (20, 48625),

Gene: Halo3_64 Start: 48688, Stop: 49251, Start Num: 2

Candidate Starts for Halo3_64:

(1, 48619), (Start: 2 @48688 has 13 MA's), (Start: 3 @48703 has 1 MA's), (4, 48706), (9, 48910), (10, 48916), (13, 49093), (20, 49210),

Gene: Jambalaya_64 Start: 47983, Stop: 48564, Start Num: 2

Candidate Starts for Jambalaya_64:

(1, 47914), (Start: 2 @47983 has 13 MA's), (Start: 3 @47998 has 1 MA's), (4, 48001), (8, 48160), (13, 48406), (16, 48460), (20, 48523),

Gene: JohnPork_68 Start: 48240, Stop: 48803, Start Num: 2

Candidate Starts for JohnPork_68:

(1, 48171), (Start: 2 @48240 has 13 MA's), (Start: 3 @48255 has 1 MA's), (4, 48258), (9, 48462), (10, 48468), (13, 48645), (20, 48762),

Gene: KimmyK_66 Start: 48550, Stop: 49113, Start Num: 2

Candidate Starts for KimmyK_66:

(1, 48484), (Start: 2 @48550 has 13 MA's), (Start: 3 @48565 has 1 MA's), (4, 48568), (9, 48772), (13, 48955), (20, 49072),

Gene: PinkCoffee_67 Start: 48119, Stop: 48727, Start Num: 2

Candidate Starts for PinkCoffee_67:

(1, 48050), (Start: 2 @48119 has 13 MA's), (Start: 3 @48134 has 1 MA's), (4, 48137), (6, 48200), (7, 48227), (10, 48347), (13, 48557), (17, 48650), (21, 48701), (22, 48710),

Gene: Portcullis_67 Start: 48240, Stop: 48803, Start Num: 2

Candidate Starts for Portcullis_67:

(1, 48171), (Start: 2 @48240 has 13 MA's), (Start: 3 @48255 has 1 MA's), (4, 48258), (9, 48462), (10, 48468), (13, 48645), (20, 48762),

Gene: Salvador_64 Start: 47646, Stop: 48254, Start Num: 2

Candidate Starts for Salvador_64:

(1, 47580), (Start: 2 @47646 has 13 MA's), (4, 47682), (5, 47724), (6, 47751), (7, 47778), (11, 48009), (12, 48069), (13, 48093), (19, 48201),

Gene: Savbucketdawg_64 Start: 47983, Stop: 48564, Start Num: 2

Candidate Starts for Savbucketdawg_64:

(1, 47914), (Start: 2 @47983 has 13 MA's), (Start: 3 @47998 has 1 MA's), (4, 48001), (8, 48160), (13, 48406), (16, 48460), (20, 48523),

Gene: TillyBobJoe_65 Start: 48109, Stop: 48672, Start Num: 2

Candidate Starts for TillyBobJoe_65:

(1, 48040), (Start: 2 @48109 has 13 MA's), (Start: 3 @48124 has 1 MA's), (4, 48127), (9, 48331), (10, 48337), (13, 48514), (20, 48631),

Gene: Wizard_63 Start: 48103, Stop: 48666, Start Num: 2

Candidate Starts for Wizard_63:

(1, 48034), (Start: 2 @48103 has 13 MA's), (Start: 3 @48118 has 1 MA's), (4, 48121), (9, 48325), (10, 48331), (13, 48508), (20, 48625),