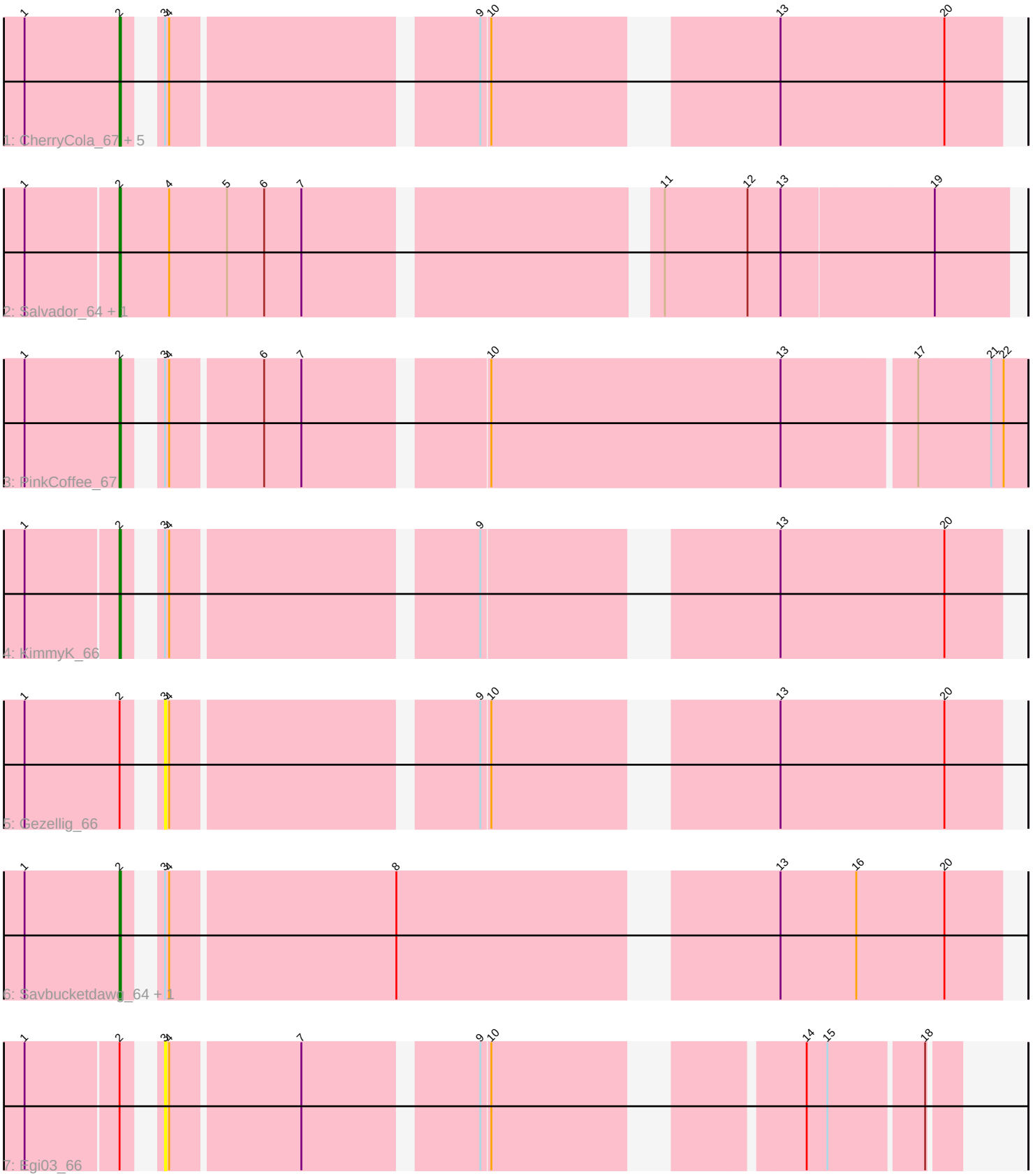
Pham 207323


1: CherryCola_67 + 5
2: Salvador_64 + 1
3: PinkCoffee_67
4: KimmyK_66
5: Gezellig_66
6: Savbucketdawg_64 + 1
7: Egi03_66

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 207323 Report

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

Pham number 207323 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : CherryCola_67, 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 : Gezellig_66
• Track 6 : Savbucketdawg_64, Jambalaya_64
• Track 7 : Egi03_66

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryCola_67, Evamon_64, Fireball_68, Halo3_64, Jambalaya_64, 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_66, Gezellig_66,

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

Summary by start number:

Start 2:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 85.7% of time when present
• Phage (with cluster) where this start called: CherryCola_67 (DC1), Evamon_64 (DC1), Fireball_68 (DC1), Halo3_64 (DC1), Jambalaya_64 (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 12 of 14 (85.7%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Egi03_66 (DC1), Gezellig_66 (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 11 times for cluster DC1.

Gene Information:

Gene: CherryCola_67 Start: 48857, Stop: 49420, Start Num: 2
Candidate Starts for CherryCola_67:
(1, 48788), (Start: 2 @48857 has 11 MA's), (3, 48872), (4, 48875), (9, 49079), (10, 49085), (13, 49262), (20, 49379),

Gene: Egi03_66 Start: 47991, Stop: 48491, Start Num: 3
Candidate Starts for Egi03_66:
(1, 47910), (Start: 2 @47976 has 11 MA's), (3, 47991), (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 11 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 11 MA's), (3, 48524), (4, 48527), (9, 48731), (10, 48737), (13, 48914), (20, 49031),

Gene: Gezellig_66 Start: 48118, Stop: 48666, Start Num: 3
Candidate Starts for Gezellig_66:
(1, 48034), (Start: 2 @48103 has 11 MA's), (3, 48118), (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 11 MA's), (3, 48703), (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 11 MA's), (3, 47998), (4, 48001), (8, 48160), (13, 48406), (16, 48460), (20, 48523),

Gene: KimmyK_66 Start: 48550, Stop: 49113, Start Num: 2
Candidate Starts for KimmyK_66:
(1, 48484), (Start: 2 @48550 has 11 MA's), (3, 48565), (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 11 MA's), (3, 48134), (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 11 MA's), (3, 48255), (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 11 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 11 MA's), (3, 47998), (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 11 MA's), (3, 48124), (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 11 MA's), (3, 48118), (4, 48121), (9, 48325), (10, 48331), (13, 48508), (20, 48625),