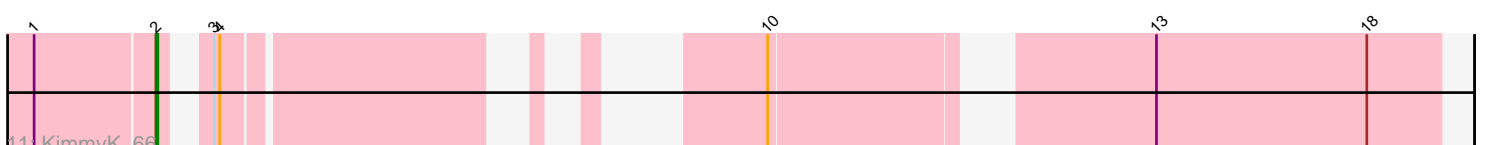
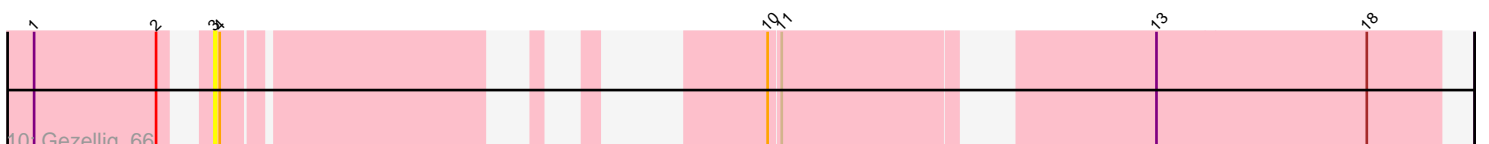
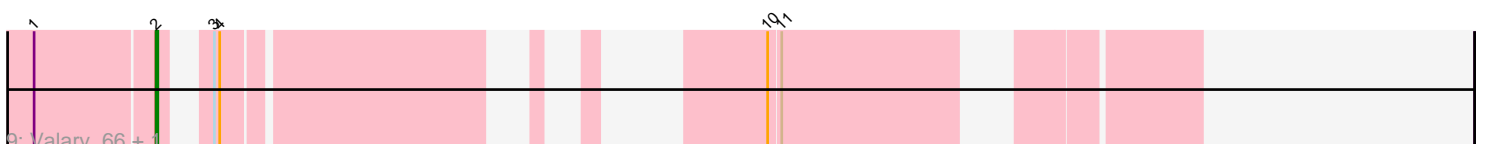
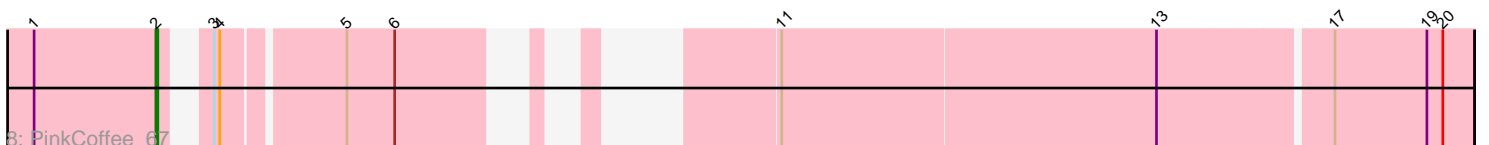
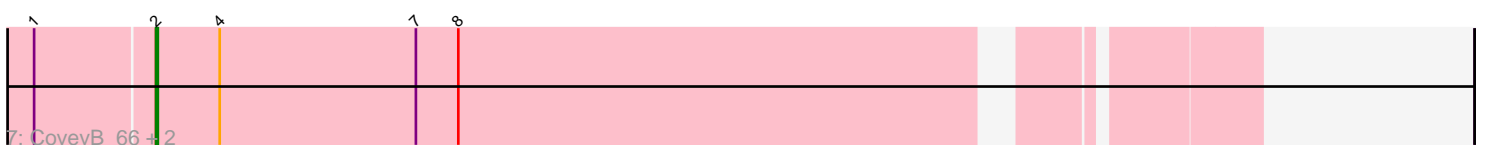
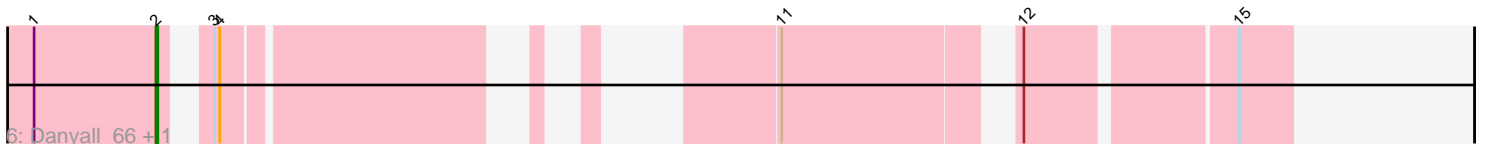
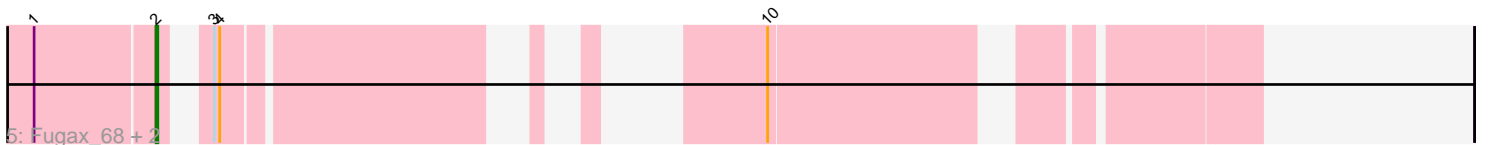
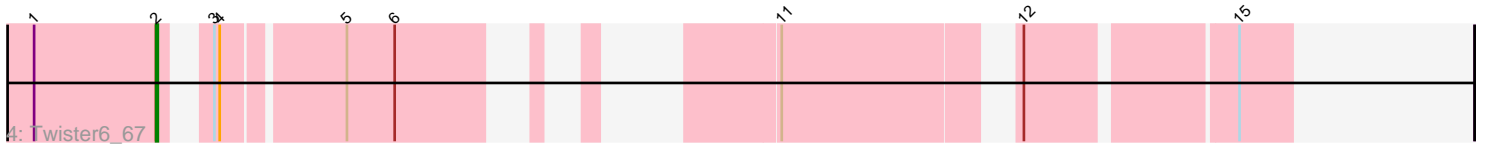
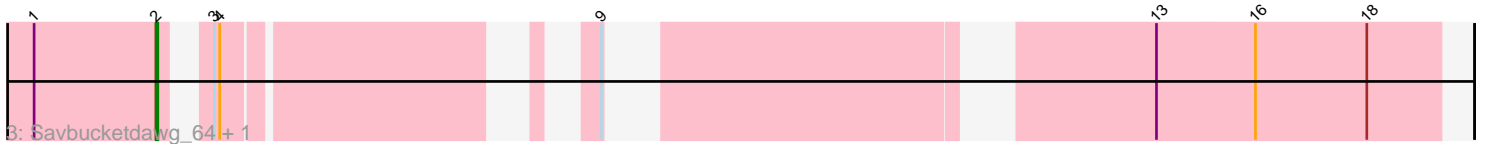
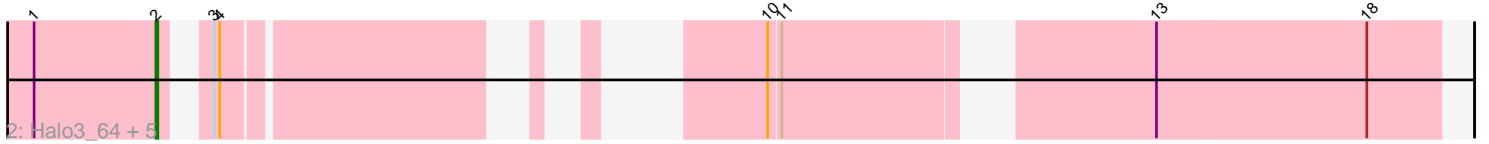
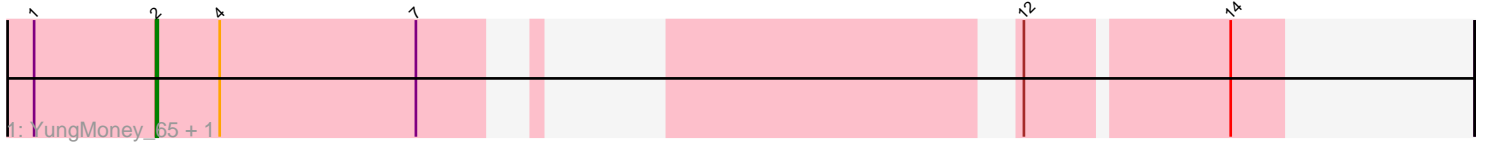


Pham 200551



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 200551 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200551 has 24 members, 4 are drafts.

Phages represented in each track:

- Track 1 : YungMoney_65, Mutzi_64
- Track 2 : Halo3_64, Fireball_68, TillyBobJoe_65, Wizard_63, CherryCola_67, Portcullis_67
- Track 3 : Savbucketdawg_64, Jambalaya_64
- Track 4 : Twister6_67
- Track 5 : Fugax_68, Barb_67, ClamChowder_67
- Track 6 : Danyall_66, Arri_66
- Track 7 : CoveyB_66, VanDeWege_67, Nubi_65
- Track 8 : PinkCoffee_67
- Track 9 : Valary_66, Shinji_64
- Track 10 : Gezellig_66
- Track 11 : KimmyK_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 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_66, Barb_67, CherryCola_67, ClamChowder_67, CoveyB_66, Danyall_66, Fireball_68, Fugax_68, Halo3_64, Jambalaya_64, KimmyK_66, Mutzi_64, Nubi_65, PinkCoffee_67, Portcullis_67, Savbucketdawg_64, Shinji_64, TillyBobJoe_65, Twister6_67, Valary_66, VanDeWege_67, Wizard_63, YungMoney_65,

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

- Gezellig_66,

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

-

Summary by start number:

Start 2:

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

- Manual Annotations of this start: 20 of 20
- Called 95.8% of time when present
- Phage (with cluster) where this start called: Arri_66 (DC1), Barb_67 (DC1), CherryCola_67 (DC1), ClamChowder_67 (DC1), CoveyB_66 (DC1), Danyall_66 (DC1), Fireball_68 (DC1), Fugax_68 (DC1), Halo3_64 (DC1), Jambalaya_64 (DC1), KimmyK_66 (DC1), Mutzi_64 (DC1), Nubi_65 (DC1), PinkCoffee_67 (DC1), Portcullis_67 (DC1), Savbucketdawg_64 (DC1), Shinji_64 (DC1), TillyBobJoe_65 (DC1), Twister6_67 (DC1), Valary_66 (DC1), VanDeWege_67 (DC1), Wizard_63 (DC1), YungMoney_65 (DC1),

Start 3:

- Found in 19 of 24 (79.2%) of genes in pham
- No Manual Annotations of this start.
- Called 5.3% of time when present
- Phage (with cluster) where this start called: 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 20 times for cluster DC1.

Gene Information:

Gene: Arri_66 Start: 48239, Stop: 48718, Start Num: 2

Candidate Starts for Arri_66:

(1, 48170), (Start: 2 @48239 has 20 MA's), (3, 48254), (4, 48257), (11, 48467), (12, 48581), (15, 48689),

Gene: Barb_67 Start: 48116, Stop: 48577, Start Num: 2

Candidate Starts for Barb_67:

(1, 48050), (Start: 2 @48116 has 20 MA's), (3, 48131), (4, 48134), (10, 48338),

Gene: CherryCola_67 Start: 48857, Stop: 49420, Start Num: 2

Candidate Starts for CherryCola_67:

(1, 48788), (Start: 2 @48857 has 20 MA's), (3, 48872), (4, 48875), (10, 49079), (11, 49085), (13, 49262), (18, 49379),

Gene: ClamChowder_67 Start: 48116, Stop: 48577, Start Num: 2

Candidate Starts for ClamChowder_67:

(1, 48050), (Start: 2 @48116 has 20 MA's), (3, 48131), (4, 48134), (10, 48338),

Gene: CoveyB_66 Start: 47947, Stop: 48534, Start Num: 2

Candidate Starts for CoveyB_66:

(1, 47881), (Start: 2 @47947 has 20 MA's), (4, 47983), (7, 48094), (8, 48118),

Gene: Danyall_66 Start: 48207, Stop: 48686, Start Num: 2

Candidate Starts for Danyall_66:

(1, 48138), (Start: 2 @48207 has 20 MA's), (3, 48222), (4, 48225), (11, 48435), (12, 48549), (15, 48657),

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

Candidate Starts for Fireball_68:

(1, 48440), (Start: 2 @48509 has 20 MA's), (3, 48524), (4, 48527), (10, 48731), (11, 48737), (13, 48914), (18, 49031),

Gene: Fugax_68 Start: 48108, Stop: 48569, Start Num: 2

Candidate Starts for Fugax_68:

(1, 48042), (Start: 2 @48108 has 20 MA's), (3, 48123), (4, 48126), (10, 48330),

Gene: Gezellig_66 Start: 48118, Stop: 48666, Start Num: 3

Candidate Starts for Gezellig_66:

(1, 48034), (Start: 2 @48103 has 20 MA's), (3, 48118), (4, 48121), (10, 48325), (11, 48331), (13, 48508), (18, 48625),

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

Candidate Starts for Halo3_64:

(1, 48619), (Start: 2 @48688 has 20 MA's), (3, 48703), (4, 48706), (10, 48910), (11, 48916), (13, 49093), (18, 49210),

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

Candidate Starts for Jambalaya_64:

(1, 47914), (Start: 2 @47983 has 20 MA's), (3, 47998), (4, 48001), (9, 48160), (13, 48406), (16, 48460), (18, 48523),

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

Candidate Starts for KimmyK_66:

(1, 48484), (Start: 2 @48550 has 20 MA's), (3, 48565), (4, 48568), (10, 48772), (13, 48955), (18, 49072),

Gene: Mutzi_64 Start: 49385, Stop: 49894, Start Num: 2

Candidate Starts for Mutzi_64:

(1, 49316), (Start: 2 @49385 has 20 MA's), (4, 49421), (7, 49532), (12, 49757), (14, 49865),

Gene: Nubi_65 Start: 47759, Stop: 48346, Start Num: 2

Candidate Starts for Nubi_65:

(1, 47693), (Start: 2 @47759 has 20 MA's), (4, 47795), (7, 47906), (8, 47930),

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

Candidate Starts for PinkCoffee_67:

(1, 48050), (Start: 2 @48119 has 20 MA's), (3, 48134), (4, 48137), (5, 48200), (6, 48227), (11, 48347), (13, 48557), (17, 48650), (19, 48701), (20, 48710),

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

Candidate Starts for Portcullis_67:

(1, 48171), (Start: 2 @48240 has 20 MA's), (3, 48255), (4, 48258), (10, 48462), (11, 48468), (13, 48645), (18, 48762),

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

Candidate Starts for Savbucketdawg_64:

(1, 47914), (Start: 2 @47983 has 20 MA's), (3, 47998), (4, 48001), (9, 48160), (13, 48406), (16, 48460), (18, 48523),

Gene: Shinji_64 Start: 47822, Stop: 48247, Start Num: 2

Candidate Starts for Shinji_64:

(1, 47756), (Start: 2 @47822 has 20 MA's), (3, 47837), (4, 47840), (10, 48044), (11, 48050),

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

Candidate Starts for TillyBobJoe_65:

(1, 48040), (Start: 2 @48109 has 20 MA's), (3, 48124), (4, 48127), (10, 48331), (11, 48337), (13, 48514), (18, 48631),

Gene: Twister6_67 Start: 48010, Stop: 48489, Start Num: 2

Candidate Starts for Twister6_67:

(1, 47941), (Start: 2 @48010 has 20 MA's), (3, 48025), (4, 48028), (5, 48091), (6, 48118), (11, 48238), (12, 48352), (15, 48460),

Gene: Valary_66 Start: 48860, Stop: 49285, Start Num: 2

Candidate Starts for Valary_66:

(1, 48794), (Start: 2 @48860 has 20 MA's), (3, 48875), (4, 48878), (10, 49082), (11, 49088),

Gene: VanDeWege_67 Start: 48194, Stop: 48781, Start Num: 2

Candidate Starts for VanDeWege_67:

(1, 48128), (Start: 2 @48194 has 20 MA's), (4, 48230), (7, 48341), (8, 48365),

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

Candidate Starts for Wizard_63:

(1, 48034), (Start: 2 @48103 has 20 MA's), (3, 48118), (4, 48121), (10, 48325), (11, 48331), (13, 48508), (18, 48625),

Gene: YungMoney_65 Start: 50225, Stop: 50734, Start Num: 2

Candidate Starts for YungMoney_65:

(1, 50156), (Start: 2 @50225 has 20 MA's), (4, 50261), (7, 50372), (12, 50597), (14, 50705),