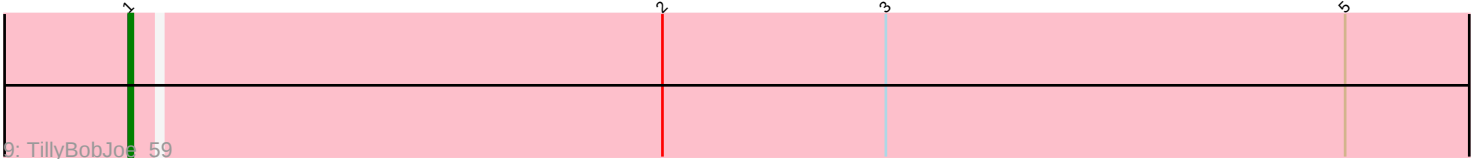
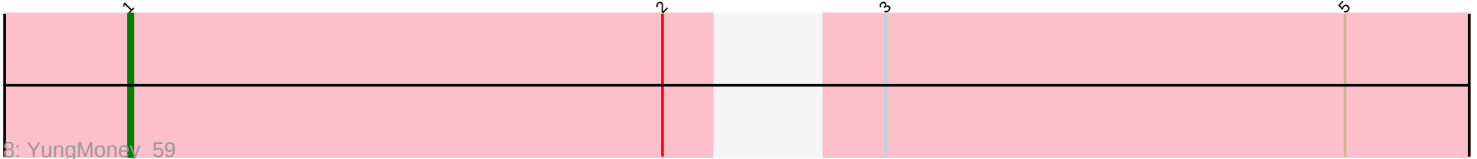
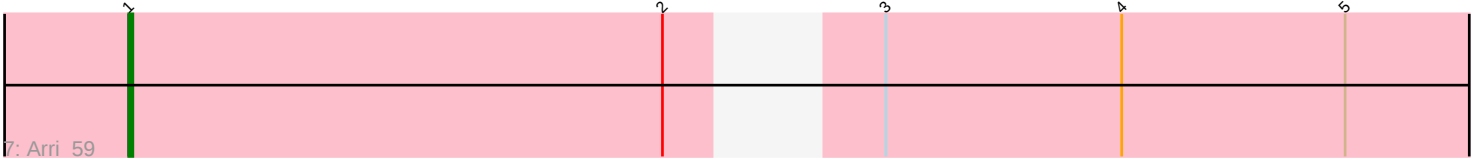
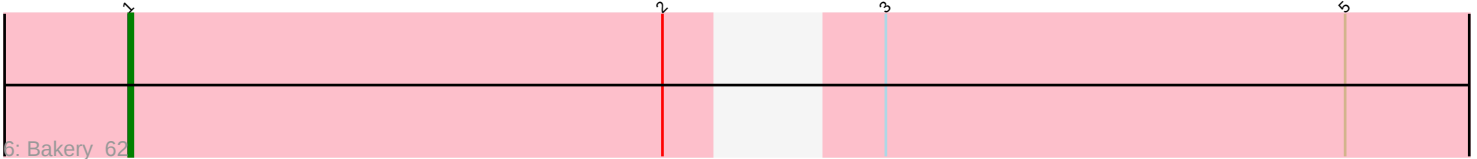
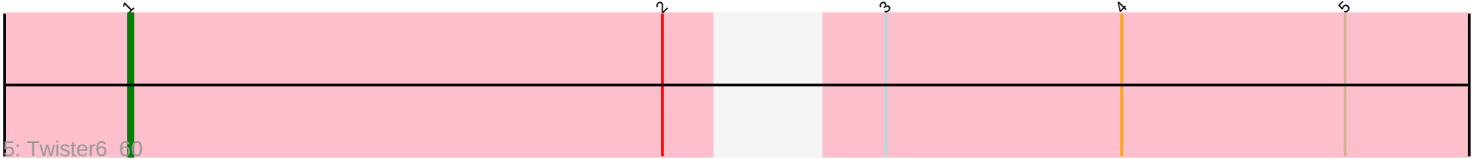
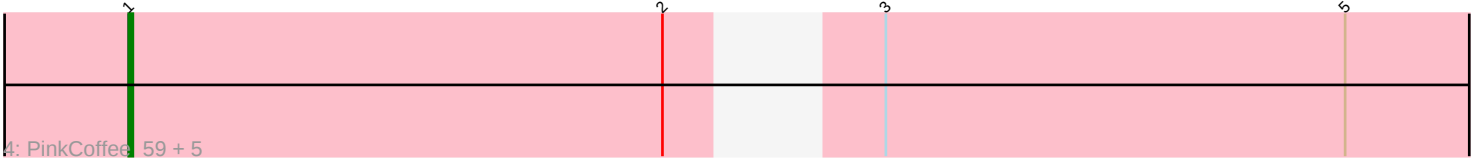
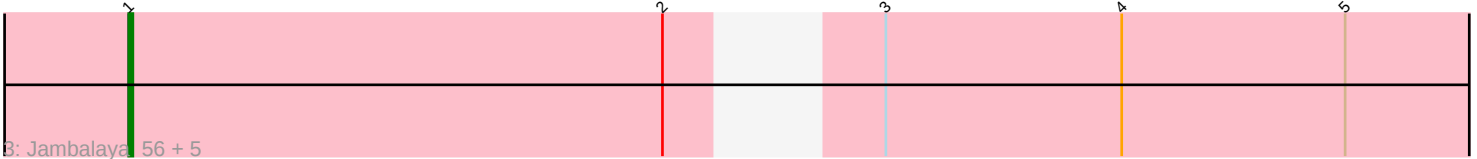
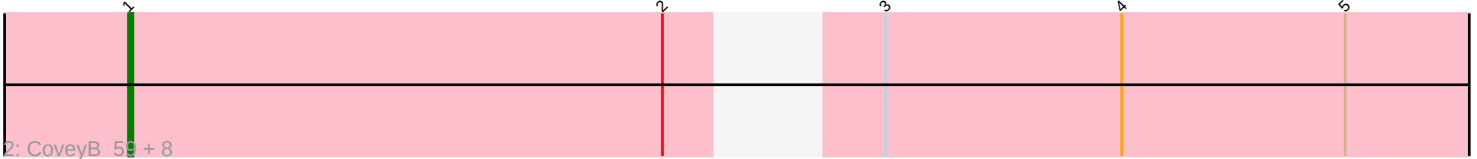
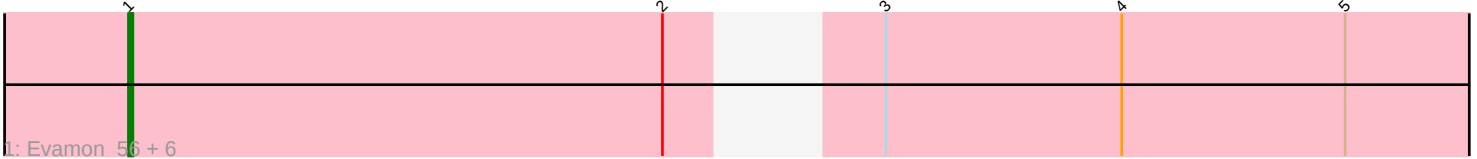


Pham 240950



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 240950 Report

This analysis was run 02/07/26 on database version 634.

Pham number 240950 has 33 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Evamon_56, Egi03_57, Nubi_57, Portcullis_58, Salvador_56, Togo_56, SmokingBunny_57
- Track 2 : CoveyB_59, RogerDodger_60, Wizard_56, Halo3_57, Gezellig_56, Valary_59, VanDeWege_60, CherryCola_60, PullumCavea_56
- Track 3 : Jambalaya_56, Fireball_59, Danyall_58, Mutzi_56, Shinji_56, Savbucketdawg_56
- Track 4 : PinkCoffee_59, Fugax_60, ClamChowder_59, KimmyK_58, Barb_59, Phlop_56
- Track 5 : Twister6_60
- Track 6 : Bakery_62
- Track 7 : Arri_59
- Track 8 : YungMoney_59
- Track 9 : TillyBobJoe_59

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

The start number called the most often in the published annotations is 1, it was called in 31 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_59, Bakery_62, Barb_59, CherryCola_60, ClamChowder_59, CoveyB_59, Danyall_58, Egi03_57, Evamon_56, Fireball_59, Fugax_60, Gezellig_56, Halo3_57, Jambalaya_56, KimmyK_58, Mutzi_56, Nubi_57, Phlop_56, PinkCoffee_59, Portcullis_58, PullumCavea_56, RogerDodger_60, Salvador_56, Savbucketdawg_56, Shinji_56, SmokingBunny_57, TillyBobJoe_59, Togo_56, Twister6_60, Valary_59, VanDeWege_60, Wizard_56, YungMoney_59,

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 1:

- Found in 33 of 33 (100.0%) of genes in pham
- Manual Annotations of this start: 31 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_59 (DC1), Bakery_62 (DC1), Barb_59 (DC1), CherryCola_60 (DC1), ClamChowder_59 (DC1), CoveyB_59 (DC1), Danyall_58 (DC1), Egi03_57 (DC1), Evamon_56 (DC1), Fireball_59 (DC1), Fugax_60 (DC1), Gezellig_56 (DC1), Halo3_57 (DC1), Jambalaya_56 (DC1), KimmyK_58 (DC1), Mutzi_56 (DC1), Nubi_57 (DC1), Phlop_56 (DC1), PinkCoffee_59 (DC1), Portcullis_58 (DC1), PullumCavea_56 (DC1), RogerDodger_60 (DC1), Salvador_56 (DC1), Savbucketdawg_56 (DC1), Shinji_56 (DC1), SmokingBunny_57 (DC1), TillyBobJoe_59 (DC1), Togo_56 (DC1), Twister6_60 (DC1), Valary_59 (DC1), VanDeWege_60 (DC1), Wizard_56 (DC1), YungMoney_59 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:

- Start number 1 was manually annotated 31 times for cluster DC1.

Gene Information:

Gene: Arri_59 Start: 43393, Stop: 43824, Start Num: 1

Candidate Starts for Arri_59:

(Start: 1 @43393 has 31 MA's), (2, 43522), (3, 43549), (4, 43606), (5, 43660),

Gene: Bakery_62 Start: 44583, Stop: 45014, Start Num: 1

Candidate Starts for Bakery_62:

(Start: 1 @44583 has 31 MA's), (2, 44712), (3, 44739), (5, 44850),

Gene: Barb_59 Start: 43430, Stop: 43861, Start Num: 1

Candidate Starts for Barb_59:

(Start: 1 @43430 has 31 MA's), (2, 43559), (3, 43586), (5, 43697),

Gene: CherryCola_60 Start: 44063, Stop: 44494, Start Num: 1

Candidate Starts for CherryCola_60:

(Start: 1 @44063 has 31 MA's), (2, 44192), (3, 44219), (4, 44276), (5, 44330),

Gene: ClamChowder_59 Start: 43430, Stop: 43861, Start Num: 1

Candidate Starts for ClamChowder_59:

(Start: 1 @43430 has 31 MA's), (2, 43559), (3, 43586), (5, 43697),

Gene: CoveyB_59 Start: 43108, Stop: 43539, Start Num: 1

Candidate Starts for CoveyB_59:

(Start: 1 @43108 has 31 MA's), (2, 43237), (3, 43264), (4, 43321), (5, 43375),

Gene: Danyall_58 Start: 43255, Stop: 43686, Start Num: 1

Candidate Starts for Danyall_58:

(Start: 1 @43255 has 31 MA's), (2, 43384), (3, 43411), (4, 43468), (5, 43522),

Gene: Egi03_57 Start: 42900, Stop: 43331, Start Num: 1
Candidate Starts for Egi03_57:
(Start: 1 @42900 has 31 MA's), (2, 43029), (3, 43056), (4, 43113), (5, 43167),

Gene: Evamon_56 Start: 43157, Stop: 43588, Start Num: 1
Candidate Starts for Evamon_56:
(Start: 1 @43157 has 31 MA's), (2, 43286), (3, 43313), (4, 43370), (5, 43424),

Gene: Fireball_59 Start: 43890, Stop: 44321, Start Num: 1
Candidate Starts for Fireball_59:
(Start: 1 @43890 has 31 MA's), (2, 44019), (3, 44046), (4, 44103), (5, 44157),

Gene: Fugax_60 Start: 43422, Stop: 43853, Start Num: 1
Candidate Starts for Fugax_60:
(Start: 1 @43422 has 31 MA's), (2, 43551), (3, 43578), (5, 43689),

Gene: Gezellig_56 Start: 43261, Stop: 43692, Start Num: 1
Candidate Starts for Gezellig_56:
(Start: 1 @43261 has 31 MA's), (2, 43390), (3, 43417), (4, 43474), (5, 43528),

Gene: Halo3_57 Start: 43846, Stop: 44277, Start Num: 1
Candidate Starts for Halo3_57:
(Start: 1 @43846 has 31 MA's), (2, 43975), (3, 44002), (4, 44059), (5, 44113),

Gene: Jambalaya_56 Start: 43053, Stop: 43484, Start Num: 1
Candidate Starts for Jambalaya_56:
(Start: 1 @43053 has 31 MA's), (2, 43182), (3, 43209), (4, 43266), (5, 43320),

Gene: KimmyK_58 Start: 43864, Stop: 44295, Start Num: 1
Candidate Starts for KimmyK_58:
(Start: 1 @43864 has 31 MA's), (2, 43993), (3, 44020), (5, 44131),

Gene: Mutzi_56 Start: 44382, Stop: 44813, Start Num: 1
Candidate Starts for Mutzi_56:
(Start: 1 @44382 has 31 MA's), (2, 44511), (3, 44538), (4, 44595), (5, 44649),

Gene: Nubi_57 Start: 43262, Stop: 43693, Start Num: 1
Candidate Starts for Nubi_57:
(Start: 1 @43262 has 31 MA's), (2, 43391), (3, 43418), (4, 43475), (5, 43529),

Gene: Phlop_56 Start: 43336, Stop: 43767, Start Num: 1
Candidate Starts for Phlop_56:
(Start: 1 @43336 has 31 MA's), (2, 43465), (3, 43492), (5, 43603),

Gene: PinkCoffee_59 Start: 43439, Stop: 43870, Start Num: 1
Candidate Starts for PinkCoffee_59:
(Start: 1 @43439 has 31 MA's), (2, 43568), (3, 43595), (5, 43706),

Gene: Portcullis_58 Start: 43055, Stop: 43486, Start Num: 1
Candidate Starts for Portcullis_58:
(Start: 1 @43055 has 31 MA's), (2, 43184), (3, 43211), (4, 43268), (5, 43322),

Gene: PullumCavea_56 Start: 43336, Stop: 43767, Start Num: 1
Candidate Starts for PullumCavea_56:
(Start: 1 @43336 has 31 MA's), (2, 43465), (3, 43492), (4, 43549), (5, 43603),

Gene: RogerDodger_60 Start: 43458, Stop: 43889, Start Num: 1
Candidate Starts for RogerDodger_60:
(Start: 1 @43458 has 31 MA's), (2, 43587), (3, 43614), (4, 43671), (5, 43725),

Gene: Salvador_56 Start: 43155, Stop: 43586, Start Num: 1
Candidate Starts for Salvador_56:
(Start: 1 @43155 has 31 MA's), (2, 43284), (3, 43311), (4, 43368), (5, 43422),

Gene: Savbucketdawg_56 Start: 43053, Stop: 43484, Start Num: 1
Candidate Starts for Savbucketdawg_56:
(Start: 1 @43053 has 31 MA's), (2, 43182), (3, 43209), (4, 43266), (5, 43320),

Gene: Shinji_56 Start: 42816, Stop: 43247, Start Num: 1
Candidate Starts for Shinji_56:
(Start: 1 @42816 has 31 MA's), (2, 42945), (3, 42972), (4, 43029), (5, 43083),

Gene: SmokingBunny_57 Start: 43248, Stop: 43679, Start Num: 1
Candidate Starts for SmokingBunny_57:
(Start: 1 @43248 has 31 MA's), (2, 43377), (3, 43404), (4, 43461), (5, 43515),

Gene: TillyBobJoe_59 Start: 44770, Stop: 45225, Start Num: 1
Candidate Starts for TillyBobJoe_59:
(Start: 1 @44770 has 31 MA's), (2, 44896), (3, 44950), (5, 45061),

Gene: Togo_56 Start: 43248, Stop: 43679, Start Num: 1
Candidate Starts for Togo_56:
(Start: 1 @43248 has 31 MA's), (2, 43377), (3, 43404), (4, 43461), (5, 43515),

Gene: Twister6_60 Start: 43655, Stop: 44086, Start Num: 1
Candidate Starts for Twister6_60:
(Start: 1 @43655 has 31 MA's), (2, 43784), (3, 43811), (4, 43868), (5, 43922),

Gene: Valary_59 Start: 44063, Stop: 44494, Start Num: 1
Candidate Starts for Valary_59:
(Start: 1 @44063 has 31 MA's), (2, 44192), (3, 44219), (4, 44276), (5, 44330),

Gene: VanDeWege_60 Start: 43355, Stop: 43786, Start Num: 1
Candidate Starts for VanDeWege_60:
(Start: 1 @43355 has 31 MA's), (2, 43484), (3, 43511), (4, 43568), (5, 43622),

Gene: Wizard_56 Start: 43261, Stop: 43692, Start Num: 1
Candidate Starts for Wizard_56:
(Start: 1 @43261 has 31 MA's), (2, 43390), (3, 43417), (4, 43474), (5, 43528),

Gene: YungMoney_59 Start: 46924, Stop: 47355, Start Num: 1
Candidate Starts for YungMoney_59:
(Start: 1 @46924 has 31 MA's), (2, 47053), (3, 47080), (5, 47191),