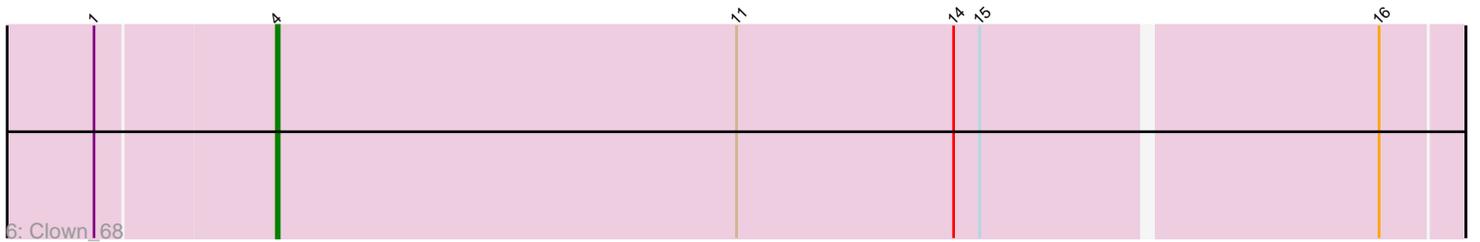
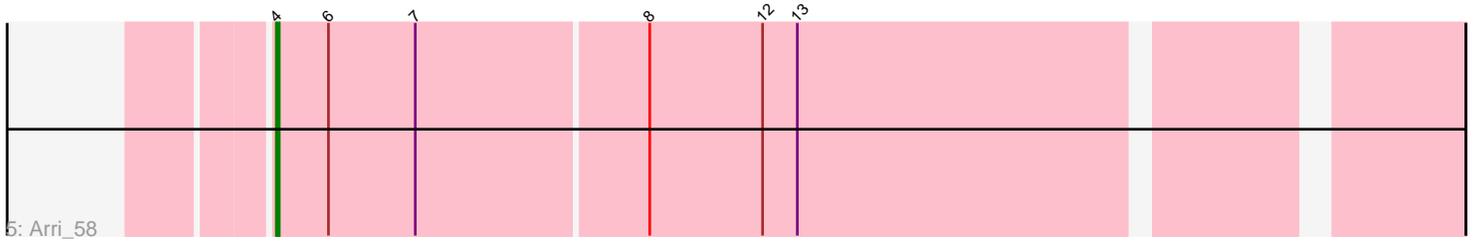
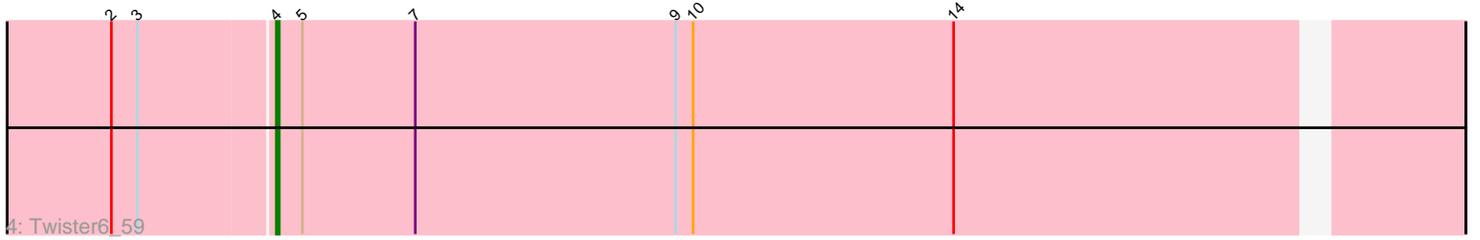
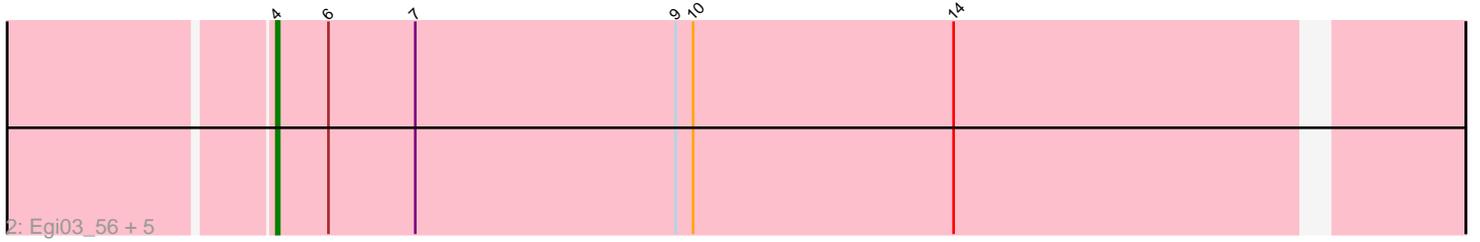
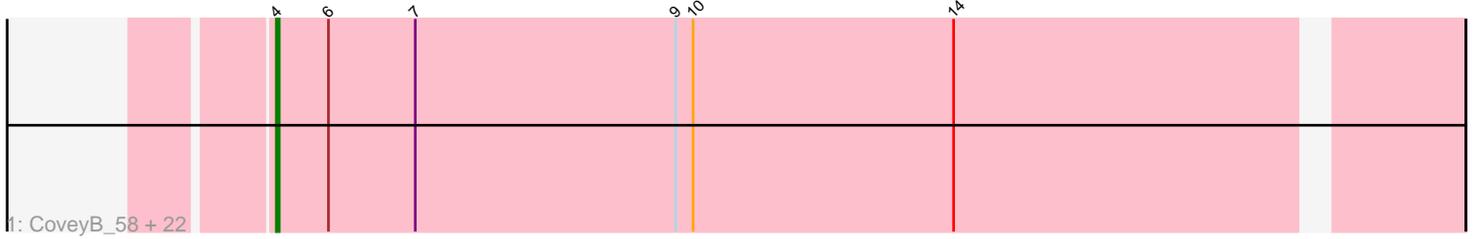


Pham 291370



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 291370 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291370 has 34 members, 2 are drafts.

Phages represented in each track:

- Track 1 : CoveyB_58, Wizard_55, Halo3_56, Savbucketdawg_55, PinkCoffee_58, Jambalaya_55, VanDeWege_59, Gezellig_55, Shinji_55, CherryCola_59, Valary_58, ClamChowder_58, KimmyK_57, RogerDodger_59, Fireball_58, TillyBobJoe_58, Mutzi_55, Danyall_57, Barb_58, Phlop_55, YungMoney_58, Fugax_59, PullumCavea_55
- Track 2 : Egi03_56, Nubi_56, SmokingBunny_56, Salvador_55, Togo_55, Evamon_55
- Track 3 : Portcullis_57, Bakery_61
- Track 4 : Twister6_59
- Track 5 : Arri_58
- Track 6 : Clown_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 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_58, Bakery_61, Barb_58, CherryCola_59, ClamChowder_58, Clown_68, CoveyB_58, Danyall_57, Egi03_56, Evamon_55, Fireball_58, Fugax_59, Gezellig_55, Halo3_56, Jambalaya_55, KimmyK_57, Mutzi_55, Nubi_56, Phlop_55, PinkCoffee_58, Portcullis_57, PullumCavea_55, RogerDodger_59, Salvador_55, Savbucketdawg_55, Shinji_55, SmokingBunny_56, TillyBobJoe_58, Togo_55, Twister6_59, Valary_58, VanDeWege_59, Wizard_55, YungMoney_58,

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 34 of 34 (100.0%) of genes in pham
- Manual Annotations of this start: 32 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_58 (DC1), Bakery_61 (DC1), Barb_58 (DC1), CherryCola_59 (DC1), ClamChowder_58 (DC1), Clown_68 (DC2), CoveyB_58 (DC1), Danyall_57 (DC1), Egi03_56 (DC1), Evamon_55 (DC1), Fireball_58 (DC1), Fugax_59 (DC1), Gezellig_55 (DC1), Halo3_56 (DC1), Jambalaya_55 (DC1), KimmyK_57 (DC1), Mutzi_55 (DC1), Nubi_56 (DC1), Phlop_55 (DC1), PinkCoffee_58 (DC1), Portcullis_57 (DC1), PullumCavea_55 (DC1), RogerDodger_59 (DC1), Salvador_55 (DC1), Savbucketdawg_55 (DC1), Shinji_55 (DC1), SmokingBunny_56 (DC1), TillyBobJoe_58 (DC1), Togo_55 (DC1), Twister6_59 (DC1), Valary_58 (DC1), VanDeWege_59 (DC1), Wizard_55 (DC1), YungMoney_58 (DC1),

Summary by clusters:

There are 2 clusters represented in this pham: DC2, DC1,

Info for manual annotations of cluster DC1:

- Start number 4 was manually annotated 31 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 4 was manually annotated 1 time for cluster DC2.

Gene Information:

Gene: Arri_58 Start: 43007, Stop: 43393, Start Num: 4

Candidate Starts for Arri_58:

(Start: 4 @43007 has 32 MA's), (6, 43025), (7, 43055), (8, 43133), (12, 43172), (13, 43184),

Gene: Bakery_61 Start: 44197, Stop: 44583, Start Num: 4

Candidate Starts for Bakery_61:

(Start: 4 @44197 has 32 MA's), (6, 44215), (7, 44245),

Gene: Barb_58 Start: 43032, Stop: 43430, Start Num: 4

Candidate Starts for Barb_58:

(Start: 4 @43032 has 32 MA's), (6, 43050), (7, 43080), (9, 43170), (10, 43176), (14, 43266),

Gene: CherryCola_59 Start: 43665, Stop: 44063, Start Num: 4

Candidate Starts for CherryCola_59:

(Start: 4 @43665 has 32 MA's), (6, 43683), (7, 43713), (9, 43803), (10, 43809), (14, 43899),

Gene: ClamChowder_58 Start: 43032, Stop: 43430, Start Num: 4

Candidate Starts for ClamChowder_58:

(Start: 4 @43032 has 32 MA's), (6, 43050), (7, 43080), (9, 43170), (10, 43176), (14, 43266),

Gene: Clown_68 Start: 47689, Stop: 48090, Start Num: 4

Candidate Starts for Clown_68:

(1, 47629), (Start: 4 @47689 has 32 MA's), (11, 47848), (14, 47923), (15, 47932), (16, 48064),

Gene: CoveyB_58 Start: 42710, Stop: 43108, Start Num: 4

Candidate Starts for CoveyB_58:

(Start: 4 @42710 has 32 MA's), (6, 42728), (7, 42758), (9, 42848), (10, 42854), (14, 42944),

Gene: Danyall_57 Start: 42857, Stop: 43255, Start Num: 4

Candidate Starts for Danyall_57:

(Start: 4 @42857 has 32 MA's), (6, 42875), (7, 42905), (9, 42995), (10, 43001), (14, 43091),

Gene: Egi03_56 Start: 42502, Stop: 42900, Start Num: 4

Candidate Starts for Egi03_56:

(Start: 4 @42502 has 32 MA's), (6, 42520), (7, 42550), (9, 42640), (10, 42646), (14, 42736),

Gene: Evamon_55 Start: 42759, Stop: 43157, Start Num: 4

Candidate Starts for Evamon_55:

(Start: 4 @42759 has 32 MA's), (6, 42777), (7, 42807), (9, 42897), (10, 42903), (14, 42993),

Gene: Fireball_58 Start: 43492, Stop: 43890, Start Num: 4

Candidate Starts for Fireball_58:

(Start: 4 @43492 has 32 MA's), (6, 43510), (7, 43540), (9, 43630), (10, 43636), (14, 43726),

Gene: Fugax_59 Start: 43024, Stop: 43422, Start Num: 4

Candidate Starts for Fugax_59:

(Start: 4 @43024 has 32 MA's), (6, 43042), (7, 43072), (9, 43162), (10, 43168), (14, 43258),

Gene: Gezellig_55 Start: 42863, Stop: 43261, Start Num: 4

Candidate Starts for Gezellig_55:

(Start: 4 @42863 has 32 MA's), (6, 42881), (7, 42911), (9, 43001), (10, 43007), (14, 43097),

Gene: Halo3_56 Start: 43448, Stop: 43846, Start Num: 4

Candidate Starts for Halo3_56:

(Start: 4 @43448 has 32 MA's), (6, 43466), (7, 43496), (9, 43586), (10, 43592), (14, 43682),

Gene: Jambalaya_55 Start: 42655, Stop: 43053, Start Num: 4

Candidate Starts for Jambalaya_55:

(Start: 4 @42655 has 32 MA's), (6, 42673), (7, 42703), (9, 42793), (10, 42799), (14, 42889),

Gene: KimmyK_57 Start: 43466, Stop: 43864, Start Num: 4

Candidate Starts for KimmyK_57:

(Start: 4 @43466 has 32 MA's), (6, 43484), (7, 43514), (9, 43604), (10, 43610), (14, 43700),

Gene: Mutzi_55 Start: 43984, Stop: 44382, Start Num: 4

Candidate Starts for Mutzi_55:

(Start: 4 @43984 has 32 MA's), (6, 44002), (7, 44032), (9, 44122), (10, 44128), (14, 44218),

Gene: Nubi_56 Start: 42864, Stop: 43262, Start Num: 4

Candidate Starts for Nubi_56:

(Start: 4 @42864 has 32 MA's), (6, 42882), (7, 42912), (9, 43002), (10, 43008), (14, 43098),

Gene: Phlop_55 Start: 42938, Stop: 43336, Start Num: 4

Candidate Starts for Phlop_55:

(Start: 4 @42938 has 32 MA's), (6, 42956), (7, 42986), (9, 43076), (10, 43082), (14, 43172),

Gene: PinkCoffee_58 Start: 43041, Stop: 43439, Start Num: 4

Candidate Starts for PinkCoffee_58:

(Start: 4 @43041 has 32 MA's), (6, 43059), (7, 43089), (9, 43179), (10, 43185), (14, 43275),

Gene: Portcullis_57 Start: 42669, Stop: 43055, Start Num: 4

Candidate Starts for Portcullis_57:

(Start: 4 @42669 has 32 MA's), (6, 42687), (7, 42717),

Gene: PullumCavea_55 Start: 42938, Stop: 43336, Start Num: 4

Candidate Starts for PullumCavea_55:

(Start: 4 @42938 has 32 MA's), (6, 42956), (7, 42986), (9, 43076), (10, 43082), (14, 43172),

Gene: RogerDodger_59 Start: 43060, Stop: 43458, Start Num: 4

Candidate Starts for RogerDodger_59:

(Start: 4 @43060 has 32 MA's), (6, 43078), (7, 43108), (9, 43198), (10, 43204), (14, 43294),

Gene: Salvador_55 Start: 42757, Stop: 43155, Start Num: 4

Candidate Starts for Salvador_55:

(Start: 4 @42757 has 32 MA's), (6, 42775), (7, 42805), (9, 42895), (10, 42901), (14, 42991),

Gene: Savbucketdawg_55 Start: 42655, Stop: 43053, Start Num: 4

Candidate Starts for Savbucketdawg_55:

(Start: 4 @42655 has 32 MA's), (6, 42673), (7, 42703), (9, 42793), (10, 42799), (14, 42889),

Gene: Shinji_55 Start: 42418, Stop: 42816, Start Num: 4

Candidate Starts for Shinji_55:

(Start: 4 @42418 has 32 MA's), (6, 42436), (7, 42466), (9, 42556), (10, 42562), (14, 42652),

Gene: SmokingBunny_56 Start: 42850, Stop: 43248, Start Num: 4

Candidate Starts for SmokingBunny_56:

(Start: 4 @42850 has 32 MA's), (6, 42868), (7, 42898), (9, 42988), (10, 42994), (14, 43084),

Gene: TillyBobJoe_58 Start: 44372, Stop: 44770, Start Num: 4

Candidate Starts for TillyBobJoe_58:

(Start: 4 @44372 has 32 MA's), (6, 44390), (7, 44420), (9, 44510), (10, 44516), (14, 44606),

Gene: Togo_55 Start: 42850, Stop: 43248, Start Num: 4

Candidate Starts for Togo_55:

(Start: 4 @42850 has 32 MA's), (6, 42868), (7, 42898), (9, 42988), (10, 42994), (14, 43084),

Gene: Twister6_59 Start: 43257, Stop: 43655, Start Num: 4

Candidate Starts for Twister6_59:

(2, 43203), (3, 43212), (Start: 4 @43257 has 32 MA's), (5, 43266), (7, 43305), (9, 43395), (10, 43401), (14, 43491),

Gene: Valary_58 Start: 43665, Stop: 44063, Start Num: 4

Candidate Starts for Valary_58:

(Start: 4 @43665 has 32 MA's), (6, 43683), (7, 43713), (9, 43803), (10, 43809), (14, 43899),

Gene: VanDeWege_59 Start: 42957, Stop: 43355, Start Num: 4

Candidate Starts for VanDeWege_59:

(Start: 4 @42957 has 32 MA's), (6, 42975), (7, 43005), (9, 43095), (10, 43101), (14, 43191),

Gene: Wizard_55 Start: 42863, Stop: 43261, Start Num: 4

Candidate Starts for Wizard_55:

(Start: 4 @42863 has 32 MA's), (6, 42881), (7, 42911), (9, 43001), (10, 43007), (14, 43097),

Gene: YungMoney_58 Start: 46526, Stop: 46924, Start Num: 4

Candidate Starts for YungMoney_58:

(Start: 4 @46526 has 32 MA's), (6, 46544), (7, 46574), (9, 46664), (10, 46670), (14, 46760),