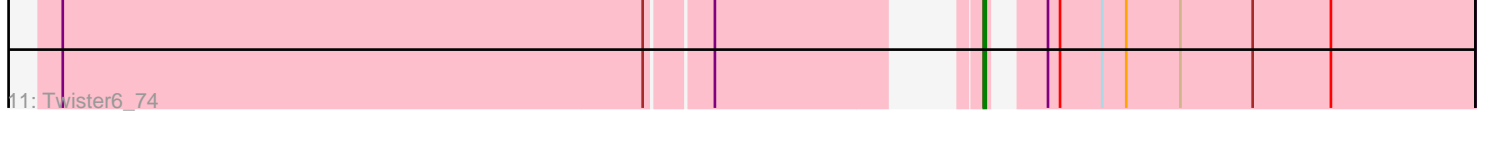
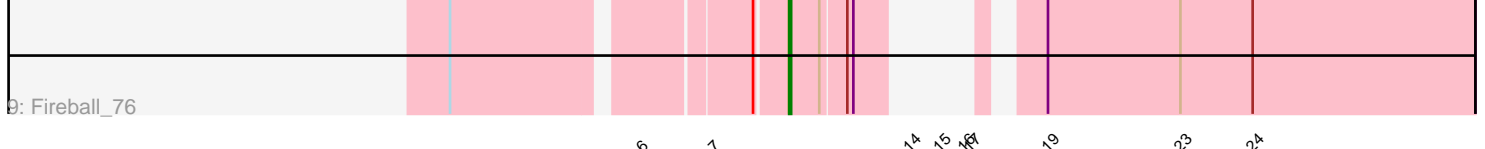
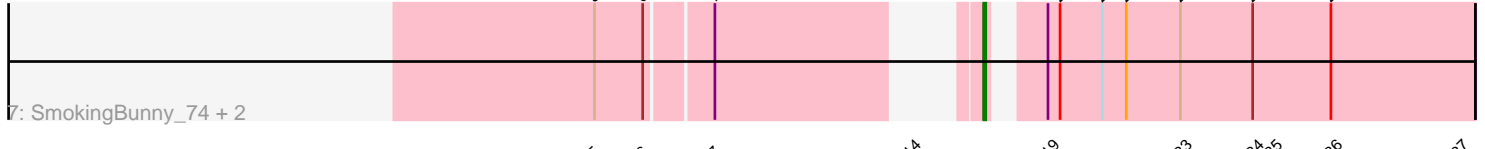
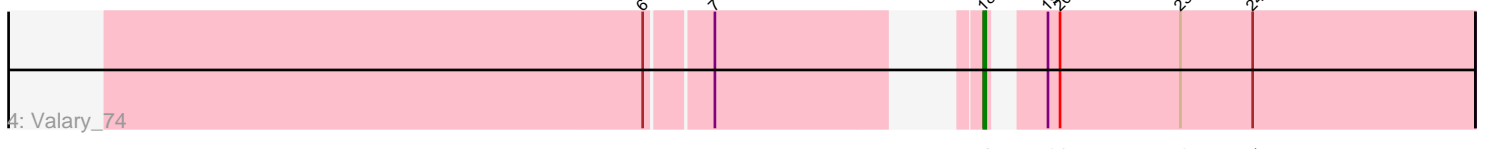
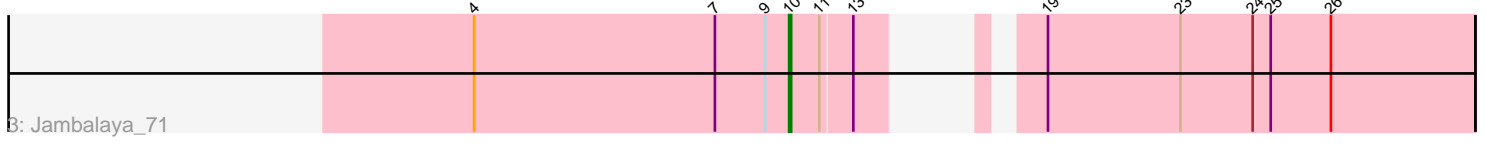
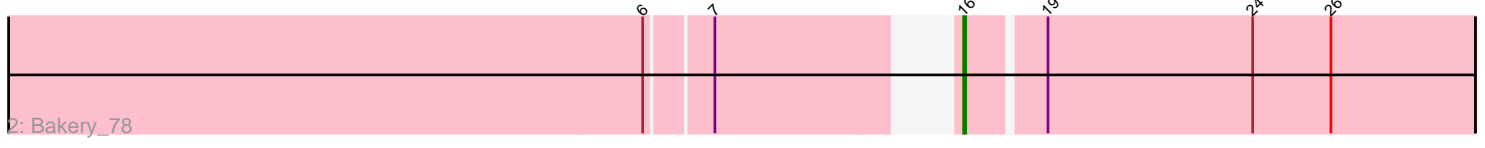
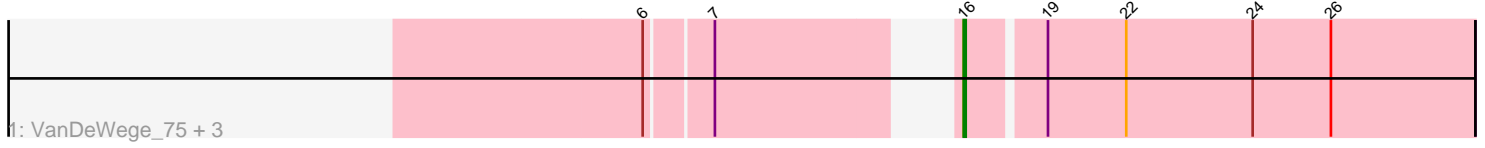


Pham 3088



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 3088 Report

This analysis was run 07/09/24 on database version 566.

Pham number 3088 has 25 members, 1 are drafts.

Phages represented in each track:

- Track 1 : VanDeWege_75, Nubi_73, Portcullis_74, Arri_74
- Track 2 : Bakery_78
- Track 3 : Jambalaya_71
- Track 4 : Valary_74
- Track 5 : Gezellig_73, KimmyK_73, Halo3_71, Wizard_70
- Track 6 : ClamChowder_75, Fugax_76, Barb_75
- Track 7 : SmokingBunny_74, Togo_73, RogerDodger_77
- Track 8 : Salvador_73, Mutzi_72, Evamon_73, YungMoney_73
- Track 9 : Fireball_76
- Track 10 : PinkCoffee_75, Danyall_74
- Track 11 : Twister6_74

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

The start number called the most often in the published annotations is 18, it was called in 11 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Barb_75, ClamChowder_75, Fugax_76, Gezellig_73, Halo3_71, KimmyK_73, RogerDodger_77, SmokingBunny_74, Togo_73, Twister6_74, Valary_74, Wizard_70,

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

-

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

- Arri_74, Bakery_78, Danyall_74, Evamon_73, Fireball_76, Jambalaya_71, Mutzi_72, Nubi_73, PinkCoffee_75, Portcullis_74, Salvador_73, VanDeWege_75, YungMoney_73,

Summary by start number:

Start 10:

- Found in 2 of 25 (8.0%) of genes in pham
- Manual Annotations of this start: 2 of 24

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fireball_76 (DC1), Jambalaya_71 (DC1),

Start 14:

- Found in 6 of 25 (24.0%) of genes in pham
- Manual Annotations of this start: 6 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Danyall_74 (DC1), Evamon_73 (DC1), Mutzi_72 (DC1), PinkCoffee_75 (DC1), Salvador_73 (DC1), YungMoney_73 (DC1),

Start 16:

- Found in 7 of 25 (28.0%) of genes in pham
- Manual Annotations of this start: 5 of 24
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Arri_74 (DC1), Bakery_78 (DC1), Nubi_73 (DC1), Portcullis_74 (DC1), VanDeWege_75 (DC1),

Start 18:

- Found in 12 of 25 (48.0%) of genes in pham
- Manual Annotations of this start: 11 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barb_75 (DC1), ClamChowder_75 (DC1), Fugax_76 (DC1), Gezellig_73 (DC1), Halo3_71 (DC1), KimmyK_73 (DC1), RogerDodger_77 (DC1), SmokingBunny_74 (DC1), Togo_73 (DC1), Twister6_74 (DC1), Valary_74 (DC1), Wizard_70 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:

- Start number 10 was manually annotated 2 times for cluster DC1.
- Start number 14 was manually annotated 6 times for cluster DC1.
- Start number 16 was manually annotated 5 times for cluster DC1.
- Start number 18 was manually annotated 11 times for cluster DC1.

Gene Information:

Gene: Arri_74 Start: 50715, Stop: 50963, Start Num: 16

Candidate Starts for Arri_74:

(6, 50595), (7, 50625), (Start: 16 @50715 has 5 MA's), (19, 50751), (22, 50790), (24, 50853), (26, 50892),

Gene: Bakery_78 Start: 52984, Stop: 53232, Start Num: 16

Candidate Starts for Bakery_78:

(6, 52864), (7, 52894), (Start: 16 @52984 has 5 MA's), (19, 53020), (24, 53122), (26, 53161),

Gene: Barb_75 Start: 50654, Stop: 50884, Start Num: 18

Candidate Starts for Barb_75:

(6, 50528), (7, 50558), (Start: 18 @50654 has 11 MA's), (19, 50672), (20, 50678), (23, 50738), (24, 50774),

Gene: ClamChowder_75 Start: 50654, Stop: 50884, Start Num: 18

Candidate Starts for ClamChowder_75:

(6, 50528), (7, 50558), (Start: 18 @50654 has 11 MA's), (19, 50672), (20, 50678), (23, 50738), (24, 50774),

Gene: Danyall_74 Start: 50635, Stop: 50916, Start Num: 14

Candidate Starts for Danyall_74:

(6, 50509), (7, 50539), (Start: 14 @50635 has 6 MA's), (15, 50650), (Start: 16 @50662 has 5 MA's), (17, 50665), (19, 50704), (23, 50770), (24, 50806),

Gene: Evamon_73 Start: 50418, Stop: 50699, Start Num: 14

Candidate Starts for Evamon_73:

(5, 50268), (6, 50292), (7, 50322), (Start: 14 @50418 has 6 MA's), (19, 50487), (23, 50553), (24, 50589), (25, 50598), (26, 50628), (27, 50691),

Gene: Fireball_76 Start: 51087, Stop: 51368, Start Num: 10

Candidate Starts for Fireball_76:

(3, 50937), (8, 51072), (Start: 10 @51087 has 2 MA's), (11, 51102), (12, 51114), (13, 51117), (19, 51156), (23, 51222), (24, 51258),

Gene: Fugax_76 Start: 50646, Stop: 50876, Start Num: 18

Candidate Starts for Fugax_76:

(6, 50520), (7, 50550), (Start: 18 @50646 has 11 MA's), (19, 50664), (20, 50670), (23, 50730), (24, 50766),

Gene: Gezellig_73 Start: 50290, Stop: 50520, Start Num: 18

Candidate Starts for Gezellig_73:

(2, 49975), (6, 50164), (7, 50194), (Start: 18 @50290 has 11 MA's), (19, 50308), (20, 50314), (23, 50374), (24, 50410),

Gene: Halo3_71 Start: 50875, Stop: 51105, Start Num: 18

Candidate Starts for Halo3_71:

(2, 50560), (6, 50749), (7, 50779), (Start: 18 @50875 has 11 MA's), (19, 50893), (20, 50899), (23, 50959), (24, 50995),

Gene: Jambalaya_71 Start: 49985, Stop: 50266, Start Num: 10

Candidate Starts for Jambalaya_71:

(4, 49829), (7, 49949), (9, 49973), (Start: 10 @49985 has 2 MA's), (11, 50000), (13, 50015), (19, 50054), (23, 50120), (24, 50156), (25, 50165), (26, 50195),

Gene: KimmyK_73 Start: 50737, Stop: 50967, Start Num: 18

Candidate Starts for KimmyK_73:

(2, 50422), (6, 50611), (7, 50641), (Start: 18 @50737 has 11 MA's), (19, 50755), (20, 50761), (23, 50821), (24, 50857),

Gene: Mutzi_72 Start: 51510, Stop: 51791, Start Num: 14

Candidate Starts for Mutzi_72:

(5, 51360), (6, 51384), (7, 51414), (Start: 14 @51510 has 6 MA's), (19, 51579), (23, 51645), (24, 51681), (25, 51690), (26, 51720), (27, 51783),

Gene: Nubi_73 Start: 50343, Stop: 50591, Start Num: 16

Candidate Starts for Nubi_73:

(6, 50223), (7, 50253), (Start: 16 @50343 has 5 MA's), (19, 50379), (22, 50418), (24, 50481), (26, 50520),

Gene: PinkCoffee_75 Start: 50676, Stop: 50957, Start Num: 14

Candidate Starts for PinkCoffee_75:

(6, 50550), (7, 50580), (Start: 14 @50676 has 6 MA's), (15, 50691), (Start: 16 @50703 has 5 MA's), (17, 50706), (19, 50745), (23, 50811), (24, 50847),

Gene: Portcullis_74 Start: 50421, Stop: 50669, Start Num: 16

Candidate Starts for Portcullis_74:

(6, 50301), (7, 50331), (Start: 16 @50421 has 5 MA's), (19, 50457), (22, 50496), (24, 50559), (26, 50598),

Gene: RogerDodger_77 Start: 51625, Stop: 51855, Start Num: 18

Candidate Starts for RogerDodger_77:

(5, 51475), (6, 51499), (7, 51529), (Start: 18 @51625 has 11 MA's), (19, 51643), (20, 51649), (21, 51670), (22, 51682), (23, 51709), (24, 51745), (26, 51784),

Gene: Salvador_73 Start: 50416, Stop: 50697, Start Num: 14

Candidate Starts for Salvador_73:

(5, 50266), (6, 50290), (7, 50320), (Start: 14 @50416 has 6 MA's), (19, 50485), (23, 50551), (24, 50587), (25, 50596), (26, 50626), (27, 50689),

Gene: SmokingBunny_74 Start: 51463, Stop: 51693, Start Num: 18

Candidate Starts for SmokingBunny_74:

(5, 51313), (6, 51337), (7, 51367), (Start: 18 @51463 has 11 MA's), (19, 51481), (20, 51487), (21, 51508), (22, 51520), (23, 51547), (24, 51583), (26, 51622),

Gene: Togo_73 Start: 51463, Stop: 51693, Start Num: 18

Candidate Starts for Togo_73:

(5, 51313), (6, 51337), (7, 51367), (Start: 18 @51463 has 11 MA's), (19, 51481), (20, 51487), (21, 51508), (22, 51520), (23, 51547), (24, 51583), (26, 51622),

Gene: Twister6_74 Start: 49812, Stop: 50042, Start Num: 18

Candidate Starts for Twister6_74:

(1, 49398), (6, 49686), (7, 49716), (Start: 18 @49812 has 11 MA's), (19, 49830), (20, 49836), (21, 49857), (22, 49869), (23, 49896), (24, 49932), (26, 49971),

Gene: Valary_74 Start: 51112, Stop: 51342, Start Num: 18

Candidate Starts for Valary_74:

(6, 50986), (7, 51016), (Start: 18 @51112 has 11 MA's), (19, 51130), (20, 51136), (23, 51196), (24, 51232),

Gene: VanDeWege_75 Start: 50778, Stop: 51026, Start Num: 16

Candidate Starts for VanDeWege_75:

(6, 50658), (7, 50688), (Start: 16 @50778 has 5 MA's), (19, 50814), (22, 50853), (24, 50916), (26, 50955),

Gene: Wizard_70 Start: 50290, Stop: 50520, Start Num: 18

Candidate Starts for Wizard_70:

(2, 49975), (6, 50164), (7, 50194), (Start: 18 @50290 has 11 MA's), (19, 50308), (20, 50314), (23, 50374), (24, 50410),

Gene: YungMoney_73 Start: 52350, Stop: 52631, Start Num: 14

Candidate Starts for YungMoney_73:

(5, 52200), (6, 52224), (7, 52254), (Start: 14 @52350 has 6 MA's), (19, 52419), (23, 52485), (24, 52521), (25, 52530), (26, 52560), (27, 52623),