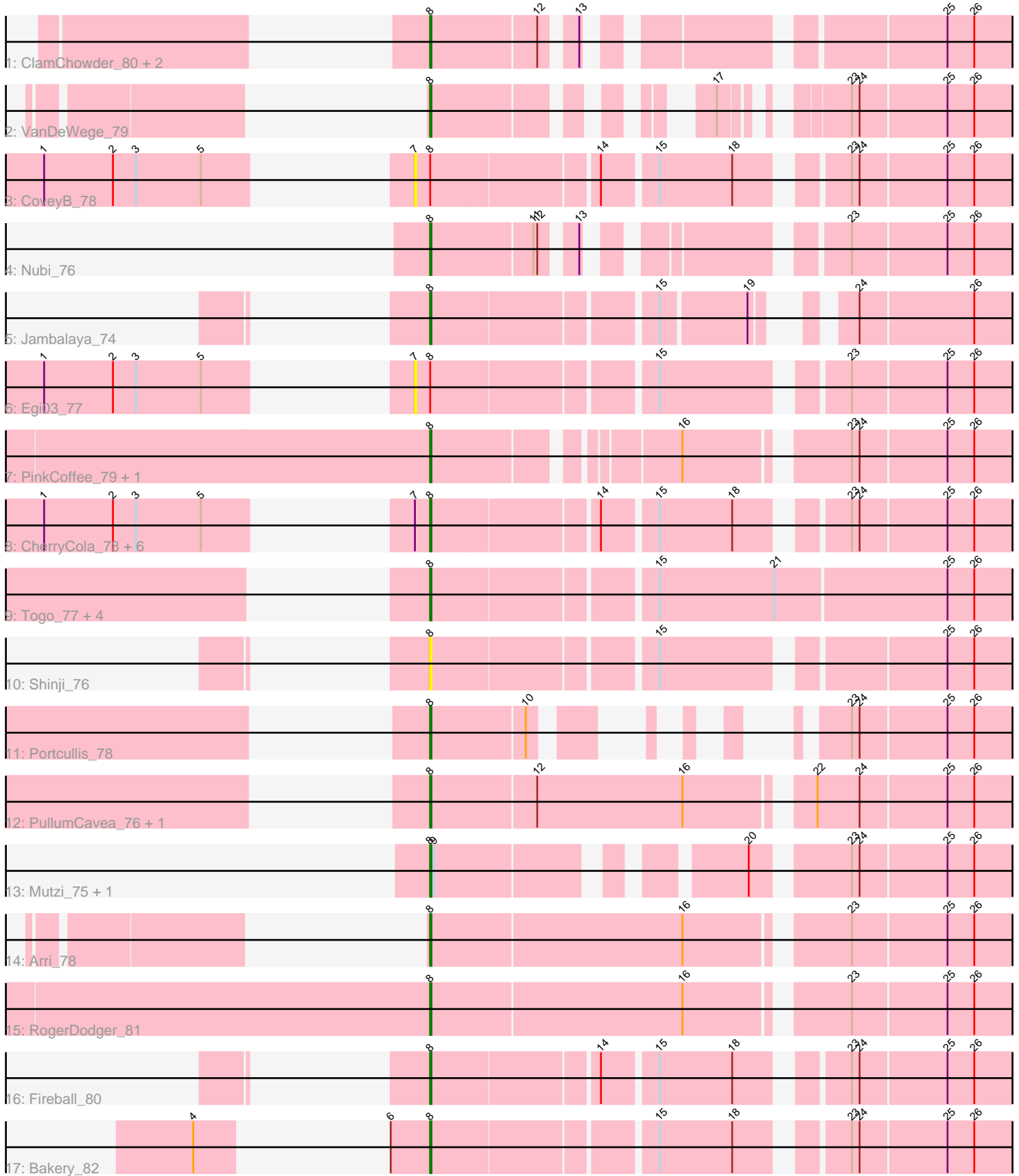


Pham 224778



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 224778 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224778 has 32 members, 5 are drafts.

Phages represented in each track:

- Track 1 : ClamChowder_80, Barb_80, Fugax_81
- Track 2 : VanDeWege_79
- Track 3 : CoveyB_78
- Track 4 : Nubi_76
- Track 5 : Jambalaya_74
- Track 6 : Egi03_77
- Track 7 : PinkCoffee_79, Danyall_78
- Track 8 : CherryCola_78, Valary_78, Gezellig_77, KimmyK_77, Halo3_75, Savbucketdawg_73, Wizard_74
- Track 9 : Togo_77, SmokingBunny_78, Salvador_77, Evamon_77, Twister6_78
- Track 10 : Shinji_76
- Track 11 : Portcullis_78
- Track 12 : PullumCavea_76, Phlop_75
- Track 13 : Mutzi_75, YungMoney_76
- Track 14 : Arri_78
- Track 15 : RogerDodger_81
- Track 16 : Fireball_80
- Track 17 : Bakery_82

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

The start number called the most often in the published annotations is 8, it was called in 27 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_78, Bakery_82, Barb_80, CherryCola_78, ClamChowder_80, Danyall_78, Evamon_77, Fireball_80, Fugax_81, Gezellig_77, Halo3_75, Jambalaya_74, KimmyK_77, Mutzi_75, Nubi_76, Phlop_75, PinkCoffee_79, Portcullis_78, PullumCavea_76, RogerDodger_81, Salvador_77, Savbucketdawg_73, Shinji_76, SmokingBunny_78, Togo_77, Twister6_78, Valary_78, VanDeWege_79, Wizard_74, YungMoney_76,

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

- CoveyB_78, Egi03_77,

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

-

Summary by start number:

Start 7:

- Found in 9 of 32 (28.1%) of genes in pham
- No Manual Annotations of this start.
- Called 22.2% of time when present
- Phage (with cluster) where this start called: CoveyB_78 (DC1), Egi03_77 (DC1),

Start 8:

- Found in 32 of 32 (100.0%) of genes in pham
- Manual Annotations of this start: 27 of 27
- Called 93.8% of time when present
- Phage (with cluster) where this start called: Arri_78 (DC1), Bakery_82 (DC1), Barb_80 (DC1), CherryCola_78 (DC1), ClamChowder_80 (DC1), Danyall_78 (DC1), Evamon_77 (DC1), Fireball_80 (DC1), Fugax_81 (DC1), Gezellig_77 (DC1), Halo3_75 (DC1), Jambalaya_74 (DC1), KimmyK_77 (DC1), Mutzi_75 (DC1), Nubi_76 (DC1), Phlop_75 (DC1), PinkCoffee_79 (DC1), Portcullis_78 (DC1), PullumCavea_76 (DC1), RogerDodger_81 (DC1), Salvador_77 (DC1), Savbucketdawg_73 (DC1), Shinji_76 (DC1), SmokingBunny_78 (DC1), Togo_77 (DC1), Twister6_78 (DC1), Valary_78 (DC1), VanDeWege_79 (DC1), Wizard_74 (DC1), YungMoney_76 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:

- Start number 8 was manually annotated 27 times for cluster DC1.

Gene Information:

Gene: Arri_78 Start: 52104, Stop: 52541, Start Num: 8

Candidate Starts for Arri_78:

(Start: 8 @52104 has 27 MA's), (16, 52299), (23, 52410), (25, 52482), (26, 52503),

Gene: Bakery_82 Start: 54222, Stop: 54641, Start Num: 8

Candidate Starts for Bakery_82:

(4, 54159), (6, 54192), (Start: 8 @54222 has 27 MA's), (15, 54384), (18, 54441), (23, 54510), (24, 54516), (25, 54582), (26, 54603),

Gene: Barb_80 Start: 52298, Stop: 52693, Start Num: 8

Candidate Starts for Barb_80:

(Start: 8 @52298 has 27 MA's), (12, 52379), (13, 52400), (25, 52628), (26, 52649),

Gene: CherryCola_78 Start: 52470, Stop: 52889, Start Num: 8

Candidate Starts for CherryCola_78:

(1, 52278), (2, 52332), (3, 52350), (5, 52401), (7, 52458), (Start: 8 @52470 has 27 MA's), (14, 52593), (15, 52632), (18, 52689), (23, 52758), (24, 52764), (25, 52830), (26, 52851),

Gene: ClamChowder_80 Start: 52298, Stop: 52693, Start Num: 8
Candidate Starts for ClamChowder_80:
(Start: 8 @52298 has 27 MA's), (12, 52379), (13, 52400), (25, 52628), (26, 52649),

Gene: CoveyB_78 Start: 51950, Stop: 52381, Start Num: 7
Candidate Starts for CoveyB_78:
(1, 51770), (2, 51824), (3, 51842), (5, 51893), (7, 51950), (Start: 8 @51962 has 27 MA's), (14, 52085),
(15, 52124), (18, 52181), (23, 52250), (24, 52256), (25, 52322), (26, 52343),

Gene: Danyall_78 Start: 51674, Stop: 52084, Start Num: 8
Candidate Starts for Danyall_78:
(Start: 8 @51674 has 27 MA's), (16, 51842), (23, 51953), (24, 51959), (25, 52025), (26, 52046),

Gene: Egi03_77 Start: 51510, Stop: 51941, Start Num: 7
Candidate Starts for Egi03_77:
(1, 51330), (2, 51384), (3, 51402), (5, 51453), (7, 51510), (Start: 8 @51522 has 27 MA's), (15, 51684),
(23, 51810), (25, 51882), (26, 51903),

Gene: Evamon_77 Start: 51863, Stop: 52306, Start Num: 8
Candidate Starts for Evamon_77:
(Start: 8 @51863 has 27 MA's), (15, 52025), (21, 52115), (25, 52247), (26, 52268),

Gene: Fireball_80 Start: 52450, Stop: 52869, Start Num: 8
Candidate Starts for Fireball_80:
(Start: 8 @52450 has 27 MA's), (14, 52573), (15, 52612), (18, 52669), (23, 52738), (24, 52744), (25,
52810), (26, 52831),

Gene: Fugax_81 Start: 52290, Stop: 52685, Start Num: 8
Candidate Starts for Fugax_81:
(Start: 8 @52290 has 27 MA's), (12, 52371), (13, 52392), (25, 52620), (26, 52641),

Gene: Gezellig_77 Start: 51715, Stop: 52134, Start Num: 8
Candidate Starts for Gezellig_77:
(1, 51523), (2, 51577), (3, 51595), (5, 51646), (7, 51703), (Start: 8 @51715 has 27 MA's), (14, 51838),
(15, 51877), (18, 51934), (23, 52003), (24, 52009), (25, 52075), (26, 52096),

Gene: Halo3_75 Start: 52300, Stop: 52719, Start Num: 8
Candidate Starts for Halo3_75:
(1, 52108), (2, 52162), (3, 52180), (5, 52231), (7, 52288), (Start: 8 @52300 has 27 MA's), (14, 52423),
(15, 52462), (18, 52519), (23, 52588), (24, 52594), (25, 52660), (26, 52681),

Gene: Jambalaya_74 Start: 50973, Stop: 51362, Start Num: 8
Candidate Starts for Jambalaya_74:
(Start: 8 @50973 has 27 MA's), (15, 51135), (19, 51198), (24, 51237), (26, 51324),

Gene: KimmyK_77 Start: 52162, Stop: 52581, Start Num: 8
Candidate Starts for KimmyK_77:
(1, 51970), (2, 52024), (3, 52042), (5, 52093), (7, 52150), (Start: 8 @52162 has 27 MA's), (14, 52285),
(15, 52324), (18, 52381), (23, 52450), (24, 52456), (25, 52522), (26, 52543),

Gene: Mutzi_75 Start: 52444, Stop: 52839, Start Num: 8
Candidate Starts for Mutzi_75:

(Start: 8 @52444 has 27 MA's), (9, 52447), (20, 52645), (23, 52708), (24, 52714), (25, 52780), (26, 52801),

Gene: Nubi_76 Start: 51245, Stop: 51631, Start Num: 8

Candidate Starts for Nubi_76:

(Start: 8 @51245 has 27 MA's), (11, 51323), (12, 51326), (13, 51347), (23, 51500), (25, 51572), (26, 51593),

Gene: Phlop_75 Start: 51747, Stop: 52184, Start Num: 8

Candidate Starts for Phlop_75:

(Start: 8 @51747 has 27 MA's), (12, 51828), (16, 51942), (22, 52026), (24, 52059), (25, 52125), (26, 52146),

Gene: PinkCoffee_79 Start: 51715, Stop: 52125, Start Num: 8

Candidate Starts for PinkCoffee_79:

(Start: 8 @51715 has 27 MA's), (16, 51883), (23, 51994), (24, 52000), (25, 52066), (26, 52087),

Gene: Portcullis_78 Start: 51963, Stop: 52283, Start Num: 8

Candidate Starts for Portcullis_78:

(Start: 8 @51963 has 27 MA's), (10, 52035), (23, 52134), (24, 52140), (25, 52206), (26, 52227),

Gene: PullumCavea_76 Start: 51924, Stop: 52361, Start Num: 8

Candidate Starts for PullumCavea_76:

(Start: 8 @51924 has 27 MA's), (12, 52005), (16, 52119), (22, 52203), (24, 52236), (25, 52302), (26, 52323),

Gene: RogerDodger_81 Start: 52512, Stop: 52949, Start Num: 8

Candidate Starts for RogerDodger_81:

(Start: 8 @52512 has 27 MA's), (16, 52707), (23, 52818), (25, 52890), (26, 52911),

Gene: Salvador_77 Start: 51861, Stop: 52304, Start Num: 8

Candidate Starts for Salvador_77:

(Start: 8 @51861 has 27 MA's), (15, 52023), (21, 52113), (25, 52245), (26, 52266),

Gene: Savbucketdawg_73 Start: 51277, Stop: 51696, Start Num: 8

Candidate Starts for Savbucketdawg_73:

(1, 51085), (2, 51139), (3, 51157), (5, 51208), (7, 51265), (Start: 8 @51277 has 27 MA's), (14, 51400), (15, 51439), (18, 51496), (23, 51565), (24, 51571), (25, 51637), (26, 51658),

Gene: Shinji_76 Start: 51442, Stop: 51867, Start Num: 8

Candidate Starts for Shinji_76:

(Start: 8 @51442 has 27 MA's), (15, 51604), (25, 51802), (26, 51823),

Gene: SmokingBunny_78 Start: 52857, Stop: 53300, Start Num: 8

Candidate Starts for SmokingBunny_78:

(Start: 8 @52857 has 27 MA's), (15, 53019), (21, 53109), (25, 53241), (26, 53262),

Gene: Togo_77 Start: 52857, Stop: 53300, Start Num: 8

Candidate Starts for Togo_77:

(Start: 8 @52857 has 27 MA's), (15, 53019), (21, 53109), (25, 53241), (26, 53262),

Gene: Twister6_78 Start: 51206, Stop: 51649, Start Num: 8

Candidate Starts for Twister6_78:

(Start: 8 @51206 has 27 MA's), (15, 51368), (21, 51458), (25, 51590), (26, 51611),

Gene: Valary_78 Start: 52537, Stop: 52956, Start Num: 8

Candidate Starts for Valary_78:

(1, 52345), (2, 52399), (3, 52417), (5, 52468), (7, 52525), (Start: 8 @52537 has 27 MA's), (14, 52660), (15, 52699), (18, 52756), (23, 52825), (24, 52831), (25, 52897), (26, 52918),

Gene: VanDeWege_79 Start: 52167, Stop: 52523, Start Num: 8

Candidate Starts for VanDeWege_79:

(Start: 8 @52167 has 27 MA's), (17, 52320), (23, 52386), (24, 52392), (25, 52458), (26, 52479),

Gene: Wizard_74 Start: 51715, Stop: 52134, Start Num: 8

Candidate Starts for Wizard_74:

(1, 51523), (2, 51577), (3, 51595), (5, 51646), (7, 51703), (Start: 8 @51715 has 27 MA's), (14, 51838), (15, 51877), (18, 51934), (23, 52003), (24, 52009), (25, 52075), (26, 52096),

Gene: YungMoney_76 Start: 53284, Stop: 53679, Start Num: 8

Candidate Starts for YungMoney_76:

(Start: 8 @53284 has 27 MA's), (9, 53287), (20, 53485), (23, 53548), (24, 53554), (25, 53620), (26, 53641),