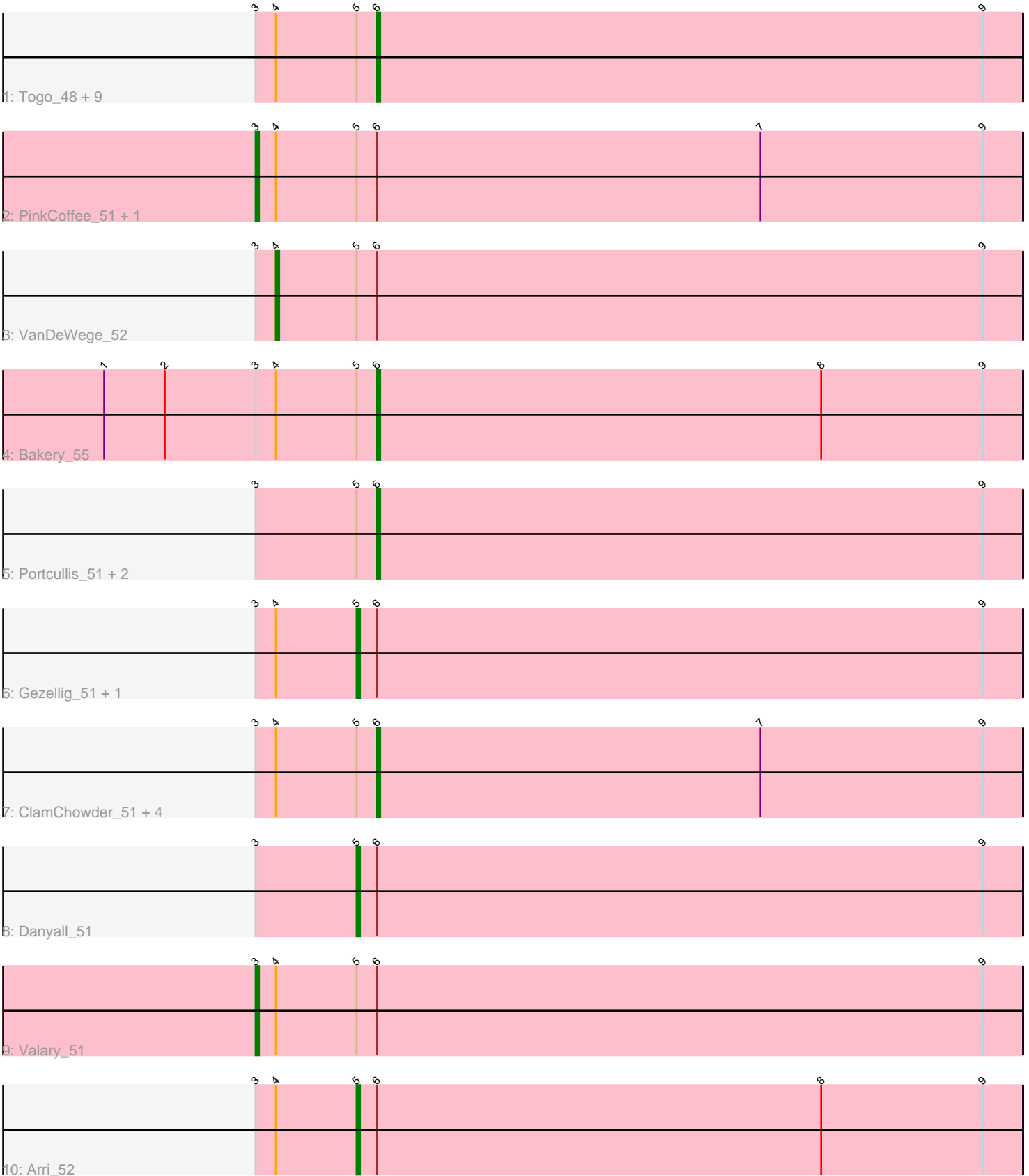


Pham 3067



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 3067 Report

This analysis was run 04/05/24 on database version 557.

Pham number 3067 has 27 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Togo_48, Savbucketdawg_49, Evamon_48, Mutzi_49, RogerDodger_52, Wizard_48, Nubi_49, Jambalaya_49, SmokingBunny_49, Salvador_48
- Track 2 : PinkCoffee_51, Barb_51
- Track 3 : VanDeWege_52
- Track 4 : Bakery_55
- Track 5 : Portcullis_51, Twister6_51, Shinji_49
- Track 6 : Gezellig_51, Halo3_50
- Track 7 : ClamChowder_51, KimmyK_50, PullumCavea_48, Phlop_48, Fugax_52
- Track 8 : Danyall_51
- Track 9 : Valary_51
- Track 10 : Arri_52

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

The start number called the most often in the published annotations is 6, it was called in 18 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bakery_55, ClamChowder_51, Evamon_48, Fugax_52, Jambalaya_49, KimmyK_50, Mutzi_49, Nubi_49, Phlop_48, Portcullis_51, PullumCavea_48, RogerDodger_52, Salvador_48, Savbucketdawg_49, Shinji_49, SmokingBunny_49, Togo_48, Twister6_51, Wizard_48,

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

- Arri_52, Barb_51, Danyall_51, Gezellig_51, Halo3_50, PinkCoffee_51, Valary_51, VanDeWege_52,

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

-

Summary by start number:

Start 3:

- Found in 27 of 27 (100.0%) of genes in pham

- Manual Annotations of this start: 3 of 25
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Barb_51 (DC1), PinkCoffee_51 (DC1), Valary_51 (DC1),

Start 4:

- Found in 23 of 27 (85.2%) of genes in pham
- Manual Annotations of this start: 1 of 25
- Called 4.3% of time when present
- Phage (with cluster) where this start called: VanDeWege_52 (DC1),

Start 5:

- Found in 27 of 27 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 25
- Called 14.8% of time when present
- Phage (with cluster) where this start called: Arri_52 (DC1), Danyall_51 (DC1), Gezellig_51 (DC1), Halo3_50 (DC1),

Start 6:

- Found in 27 of 27 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 25
- Called 70.4% of time when present
- Phage (with cluster) where this start called: Bakery_55 (DC1), ClamChowder_51 (DC1), Evamon_48 (DC1), Fugax_52 (DC1), Jambalaya_49 (DC1), KimmyK_50 (DC1), Mutzi_49 (DC1), Nubi_49 (DC1), Phlop_48 (DC1), Portcullis_51 (DC1), PullumCavea_48 (DC1), RogerDodger_52 (DC1), Salvador_48 (DC1), Savbucketdawg_49 (DC1), Shinji_49 (DC1), SmokingBunny_49 (DC1), Togo_48 (DC1), Twister6_51 (DC1), Wizard_48 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:

- Start number 3 was manually annotated 3 times for cluster DC1.
- Start number 4 was manually annotated 1 time for cluster DC1.
- Start number 5 was manually annotated 3 times for cluster DC1.
- Start number 6 was manually annotated 18 times for cluster DC1.

Gene Information:

Gene: Arri_52 Start: 40036, Stop: 40233, Start Num: 5

Candidate Starts for Arri_52:

(Start: 3 @40006 has 3 MA's), (Start: 4 @40012 has 1 MA's), (Start: 5 @40036 has 3 MA's), (Start: 6 @40042 has 18 MA's), (8, 40174), (9, 40222),

Gene: Bakery_55 Start: 41183, Stop: 41374, Start Num: 6

Candidate Starts for Bakery_55:

(1, 41102), (2, 41120), (Start: 3 @41147 has 3 MA's), (Start: 4 @41153 has 1 MA's), (Start: 5 @41177 has 3 MA's), (Start: 6 @41183 has 18 MA's), (8, 41315), (9, 41363),

Gene: Barb_51 Start: 40125, Stop: 40352, Start Num: 3

Candidate Starts for Barb_51:

(Start: 3 @40125 has 3 MA's), (Start: 4 @40131 has 1 MA's), (Start: 5 @40155 has 3 MA's), (Start: 6 @40161 has 18 MA's), (7, 40275), (9, 40341),

Gene: ClamChowder_51 Start: 40161, Stop: 40352, Start Num: 6

Candidate Starts for ClamChowder_51:

(Start: 3 @40125 has 3 MA's), (Start: 4 @40131 has 1 MA's), (Start: 5 @40155 has 3 MA's), (Start: 6 @40161 has 18 MA's), (7, 40275), (9, 40341),

Gene: Danyall_51 Start: 39856, Stop: 40053, Start Num: 5

Candidate Starts for Danyall_51:

(Start: 3 @39826 has 3 MA's), (Start: 5 @39856 has 3 MA's), (Start: 6 @39862 has 18 MA's), (9, 40042),

Gene: Evamon_48 Start: 39881, Stop: 40072, Start Num: 6

Candidate Starts for Evamon_48:

(Start: 3 @39845 has 3 MA's), (Start: 4 @39851 has 1 MA's), (Start: 5 @39875 has 3 MA's), (Start: 6 @39881 has 18 MA's), (9, 40061),

Gene: Fugax_52 Start: 40153, Stop: 40344, Start Num: 6

Candidate Starts for Fugax_52:

(Start: 3 @40117 has 3 MA's), (Start: 4 @40123 has 1 MA's), (Start: 5 @40147 has 3 MA's), (Start: 6 @40153 has 18 MA's), (7, 40267), (9, 40333),

Gene: Gezellig_51 Start: 40007, Stop: 40204, Start Num: 5

Candidate Starts for Gezellig_51:

(Start: 3 @39977 has 3 MA's), (Start: 4 @39983 has 1 MA's), (Start: 5 @40007 has 3 MA's), (Start: 6 @40013 has 18 MA's), (9, 40193),

Gene: Halo3_50 Start: 40592, Stop: 40789, Start Num: 5

Candidate Starts for Halo3_50:

(Start: 3 @40562 has 3 MA's), (Start: 4 @40568 has 1 MA's), (Start: 5 @40592 has 3 MA's), (Start: 6 @40598 has 18 MA's), (9, 40778),

Gene: Jambalaya_49 Start: 39660, Stop: 39851, Start Num: 6

Candidate Starts for Jambalaya_49:

(Start: 3 @39624 has 3 MA's), (Start: 4 @39630 has 1 MA's), (Start: 5 @39654 has 3 MA's), (Start: 6 @39660 has 18 MA's), (9, 39840),

Gene: KimmyK_50 Start: 40595, Stop: 40786, Start Num: 6

Candidate Starts for KimmyK_50:

(Start: 3 @40559 has 3 MA's), (Start: 4 @40565 has 1 MA's), (Start: 5 @40589 has 3 MA's), (Start: 6 @40595 has 18 MA's), (7, 40709), (9, 40775),

Gene: Mutzi_49 Start: 40989, Stop: 41180, Start Num: 6

Candidate Starts for Mutzi_49:

(Start: 3 @40953 has 3 MA's), (Start: 4 @40959 has 1 MA's), (Start: 5 @40983 has 3 MA's), (Start: 6 @40989 has 18 MA's), (9, 41169),

Gene: Nubi_49 Start: 39986, Stop: 40177, Start Num: 6

Candidate Starts for Nubi_49:

(Start: 3 @39950 has 3 MA's), (Start: 4 @39956 has 1 MA's), (Start: 5 @39980 has 3 MA's), (Start: 6 @39986 has 18 MA's), (9, 40166),

Gene: Phlop_48 Start: 40067, Stop: 40258, Start Num: 6

Candidate Starts for Phlop_48:

(Start: 3 @40031 has 3 MA's), (Start: 4 @40037 has 1 MA's), (Start: 5 @40061 has 3 MA's), (Start: 6 @40067 has 18 MA's), (7, 40181), (9, 40247),

Gene: PinkCoffee_51 Start: 40134, Stop: 40361, Start Num: 3

Candidate Starts for PinkCoffee_51:

(Start: 3 @40134 has 3 MA's), (Start: 4 @40140 has 1 MA's), (Start: 5 @40164 has 3 MA's), (Start: 6 @40170 has 18 MA's), (7, 40284), (9, 40350),

Gene: Portcullis_51 Start: 39673, Stop: 39864, Start Num: 6

Candidate Starts for Portcullis_51:

(Start: 3 @39637 has 3 MA's), (Start: 5 @39667 has 3 MA's), (Start: 6 @39673 has 18 MA's), (9, 39853),

Gene: PullumCavea_48 Start: 40067, Stop: 40258, Start Num: 6

Candidate Starts for PullumCavea_48:

(Start: 3 @40031 has 3 MA's), (Start: 4 @40037 has 1 MA's), (Start: 5 @40061 has 3 MA's), (Start: 6 @40067 has 18 MA's), (7, 40181), (9, 40247),

Gene: RogerDodger_52 Start: 40210, Stop: 40401, Start Num: 6

Candidate Starts for RogerDodger_52:

(Start: 3 @40174 has 3 MA's), (Start: 4 @40180 has 1 MA's), (Start: 5 @40204 has 3 MA's), (Start: 6 @40210 has 18 MA's), (9, 40390),

Gene: Salvador_48 Start: 39879, Stop: 40070, Start Num: 6

Candidate Starts for Salvador_48:

(Start: 3 @39843 has 3 MA's), (Start: 4 @39849 has 1 MA's), (Start: 5 @39873 has 3 MA's), (Start: 6 @39879 has 18 MA's), (9, 40059),

Gene: Savbucketdawg_49 Start: 39660, Stop: 39851, Start Num: 6

Candidate Starts for Savbucketdawg_49:

(Start: 3 @39624 has 3 MA's), (Start: 4 @39630 has 1 MA's), (Start: 5 @39654 has 3 MA's), (Start: 6 @39660 has 18 MA's), (9, 39840),

Gene: Shinji_49 Start: 39423, Stop: 39614, Start Num: 6

Candidate Starts for Shinji_49:

(Start: 3 @39387 has 3 MA's), (Start: 5 @39417 has 3 MA's), (Start: 6 @39423 has 18 MA's), (9, 39603),

Gene: SmokingBunny_49 Start: 39972, Stop: 40163, Start Num: 6

Candidate Starts for SmokingBunny_49:

(Start: 3 @39936 has 3 MA's), (Start: 4 @39942 has 1 MA's), (Start: 5 @39966 has 3 MA's), (Start: 6 @39972 has 18 MA's), (9, 40152),

Gene: Togo_48 Start: 39972, Stop: 40163, Start Num: 6

Candidate Starts for Togo_48:

(Start: 3 @39936 has 3 MA's), (Start: 4 @39942 has 1 MA's), (Start: 5 @39966 has 3 MA's), (Start: 6 @39972 has 18 MA's), (9, 40152),

Gene: Twister6_51 Start: 39773, Stop: 39964, Start Num: 6

Candidate Starts for Twister6_51:

(Start: 3 @39737 has 3 MA's), (Start: 5 @39767 has 3 MA's), (Start: 6 @39773 has 18 MA's), (9, 39953),

Gene: Valary_51 Start: 40779, Stop: 41006, Start Num: 3

Candidate Starts for Valary_51:

(Start: 3 @40779 has 3 MA's), (Start: 4 @40785 has 1 MA's), (Start: 5 @40809 has 3 MA's), (Start: 6 @40815 has 18 MA's), (9, 40995),

Gene: VanDeWege_52 Start: 40077, Stop: 40298, Start Num: 4

Candidate Starts for VanDeWege_52:

(Start: 3 @40071 has 3 MA's), (Start: 4 @40077 has 1 MA's), (Start: 5 @40101 has 3 MA's), (Start: 6 @40107 has 18 MA's), (9, 40287),

Gene: Wizard_48 Start: 40013, Stop: 40204, Start Num: 6

Candidate Starts for Wizard_48:

(Start: 3 @39977 has 3 MA's), (Start: 4 @39983 has 1 MA's), (Start: 5 @40007 has 3 MA's), (Start: 6 @40013 has 18 MA's), (9, 40193),