



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 308988 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308988 has 33 members, 2 are drafts.

Phages represented in each track:

- Track 1 : VanDeWege_17, CoveyB_16, Danyall_16, Valary_17, CherryCola_17, KimmyK_16, YungMoney_16, RogerDodger_17, Twister6_16, Arri_17, Mutzi_16, ClamChowder_16, PinkCoffee_16, Fugax_16, Barb_16
- Track 2 : Ecliptus_43
- Track 3 : Leroy_42, Horus_42, BENtherdunthat_41, Getalong_43, ShawBrad_42, Phistory_42, Lutum_42, Frickyeah_42, Asapag_42, BearBQ_41, Phabuloso_39, ODay_45, Kenna_41, CheeseTouch_40, Whitney_44, Holliday_41, Apricot_41

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

The start number called the most often in the published annotations is 5, it was called in 31 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Apricot_41, Arri_17, Asapag_42, BENtherdunthat_41, Barb_16, BearBQ_41, CheeseTouch_40, CherryCola_17, ClamChowder_16, CoveyB_16, Danyall_16, Ecliptus_43, Frickyeah_42, Fugax_16, Getalong_43, Holliday_41, Horus_42, Kenna_41, KimmyK_16, Leroy_42, Lutum_42, Mutzi_16, ODay_45, Phabuloso_39, Phistory_42, PinkCoffee_16, RogerDodger_17, ShawBrad_42, Twister6_16, Valary_17, VanDeWege_17, Whitney_44, YungMoney_16,

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 5:

- 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: Apricot_41 (DN3), Arri_17 (DC1), Asapag_42 (DN1), BENtherdunthat_41 (DN1), Barb_16 (DC1), BearBQ_41 (DN), CheeseTouch_40 (DN1), CherryCola_17 (DC1), ClamChowder_16 (DC1), CoveyB_16 (DC1), Danyall_16 (DC1), Ecliptus_43 (DN), Frickyeah_42 (DN1), Fugax_16 (DC1), Getalong_43 (DN1), Holliday_41 (DN1), Horus_42 (DN1), Kenna_41 (DN1), KimmyK_16 (DC1), Leroy_42 (DN1), Lutum_42 (DN1), Mutzi_16 (DC1), ODay_45 (DN), Phabuloso_39 (DN1), Phistory_42 (DN1), PinkCoffee_16 (DC1), RogerDodger_17 (DC1), ShawBrad_42 (DN1), Twister6_16 (DC1), Valary_17 (DC1), VanDeWege_17 (DC1), Whitney_44 (DN1), YungMoney_16 (DC1),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DN1, DN3, DC1,

Info for manual annotations of cluster DC1:

- Start number 5 was manually annotated 15 times for cluster DC1.

Info for manual annotations of cluster DN:

- Start number 5 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 5 was manually annotated 12 times for cluster DN1.

Info for manual annotations of cluster DN3:

- Start number 5 was manually annotated 1 time for cluster DN3.

Gene Information:

Gene: Apricot_41 Start: 29440, Stop: 29583, Start Num: 5

Candidate Starts for Apricot_41:

(4, 29374), (Start: 5 @29440 has 31 MA's), (6, 29479), (7, 29488),

Gene: Arri_17 Start: 10121, Stop: 9975, Start Num: 5

Candidate Starts for Arri_17:

(Start: 5 @10121 has 31 MA's), (7, 10073), (8, 10010),

Gene: Asapag_42 Start: 31032, Stop: 31175, Start Num: 5

Candidate Starts for Asapag_42:

(4, 30966), (Start: 5 @31032 has 31 MA's), (6, 31071), (7, 31080),

Gene: BENtherdunthat_41 Start: 29243, Stop: 29386, Start Num: 5

Candidate Starts for BENtherdunthat_41:

(4, 29177), (Start: 5 @29243 has 31 MA's), (6, 29282), (7, 29291),

Gene: Barb_16 Start: 10084, Stop: 9938, Start Num: 5

Candidate Starts for Barb_16:

(Start: 5 @10084 has 31 MA's), (7, 10036), (8, 9973),

Gene: BearBQ_41 Start: 30667, Stop: 30810, Start Num: 5

Candidate Starts for BearBQ_41:

(4, 30601), (Start: 5 @30667 has 31 MA's), (6, 30706), (7, 30715),

Gene: CheeseTouch_40 Start: 27594, Stop: 27737, Start Num: 5
Candidate Starts for CheeseTouch_40:
(4, 27528), (Start: 5 @27594 has 31 MA's), (6, 27633), (7, 27642),

Gene: CherryCola_17 Start: 10320, Stop: 10174, Start Num: 5
Candidate Starts for CherryCola_17:
(Start: 5 @10320 has 31 MA's), (7, 10272), (8, 10209),

Gene: ClamChowder_16 Start: 10084, Stop: 9938, Start Num: 5
Candidate Starts for ClamChowder_16:
(Start: 5 @10084 has 31 MA's), (7, 10036), (8, 9973),

Gene: CoveyB_16 Start: 9956, Stop: 9810, Start Num: 5
Candidate Starts for CoveyB_16:
(Start: 5 @9956 has 31 MA's), (7, 9908), (8, 9845),

Gene: Danyall_16 Start: 9956, Stop: 9810, Start Num: 5
Candidate Starts for Danyall_16:
(Start: 5 @9956 has 31 MA's), (7, 9908), (8, 9845),

Gene: Ecliptus_43 Start: 31508, Stop: 31651, Start Num: 5
Candidate Starts for Ecliptus_43:
(1, 31289), (2, 31346), (3, 31388), (Start: 5 @31508 has 31 MA's), (6, 31547), (7, 31556),

Gene: Frickyeah_42 Start: 29133, Stop: 29276, Start Num: 5
Candidate Starts for Frickyeah_42:
(4, 29067), (Start: 5 @29133 has 31 MA's), (6, 29172), (7, 29181),

Gene: Fugax_16 Start: 10084, Stop: 9938, Start Num: 5
Candidate Starts for Fugax_16:
(Start: 5 @10084 has 31 MA's), (7, 10036), (8, 9973),

Gene: Getalong_43 Start: 31853, Stop: 31996, Start Num: 5
Candidate Starts for Getalong_43:
(4, 31787), (Start: 5 @31853 has 31 MA's), (6, 31892), (7, 31901),

Gene: Holliday_41 Start: 29708, Stop: 29851, Start Num: 5
Candidate Starts for Holliday_41:
(4, 29642), (Start: 5 @29708 has 31 MA's), (6, 29747), (7, 29756),

Gene: Horus_42 Start: 31054, Stop: 31197, Start Num: 5
Candidate Starts for Horus_42:
(4, 30988), (Start: 5 @31054 has 31 MA's), (6, 31093), (7, 31102),

Gene: Kenna_41 Start: 30044, Stop: 30187, Start Num: 5
Candidate Starts for Kenna_41:
(4, 29978), (Start: 5 @30044 has 31 MA's), (6, 30083), (7, 30092),

Gene: KimmyK_16 Start: 10084, Stop: 9938, Start Num: 5
Candidate Starts for KimmyK_16:
(Start: 5 @10084 has 31 MA's), (7, 10036), (8, 9973),

Gene: Leroy_42 Start: 31055, Stop: 31198, Start Num: 5
Candidate Starts for Leroy_42:
(4, 30989), (Start: 5 @31055 has 31 MA's), (6, 31094), (7, 31103),

Gene: Lutum_42 Start: 30044, Stop: 30187, Start Num: 5
Candidate Starts for Lutum_42:
(4, 29978), (Start: 5 @30044 has 31 MA's), (6, 30083), (7, 30092),

Gene: Mutzi_16 Start: 9949, Stop: 9803, Start Num: 5
Candidate Starts for Mutzi_16:
(Start: 5 @9949 has 31 MA's), (7, 9901), (8, 9838),

Gene: ODay_45 Start: 31518, Stop: 31661, Start Num: 5
Candidate Starts for ODay_45:
(4, 31452), (Start: 5 @31518 has 31 MA's), (6, 31557), (7, 31566),

Gene: Phabuloso_39 Start: 29756, Stop: 29899, Start Num: 5
Candidate Starts for Phabuloso_39:
(4, 29690), (Start: 5 @29756 has 31 MA's), (6, 29795), (7, 29804),

Gene: Phistory_42 Start: 30395, Stop: 30538, Start Num: 5
Candidate Starts for Phistory_42:
(4, 30329), (Start: 5 @30395 has 31 MA's), (6, 30434), (7, 30443),

Gene: PinkCoffee_16 Start: 10093, Stop: 9947, Start Num: 5
Candidate Starts for PinkCoffee_16:
(Start: 5 @10093 has 31 MA's), (7, 10045), (8, 9982),

Gene: RogerDodger_17 Start: 10320, Stop: 10174, Start Num: 5
Candidate Starts for RogerDodger_17:
(Start: 5 @10320 has 31 MA's), (7, 10272), (8, 10209),

Gene: ShawBrad_42 Start: 29618, Stop: 29761, Start Num: 5
Candidate Starts for ShawBrad_42:
(4, 29552), (Start: 5 @29618 has 31 MA's), (6, 29657), (7, 29666),

Gene: Twister6_16 Start: 9867, Stop: 9721, Start Num: 5
Candidate Starts for Twister6_16:
(Start: 5 @9867 has 31 MA's), (7, 9819), (8, 9756),

Gene: Valary_17 Start: 10320, Stop: 10174, Start Num: 5
Candidate Starts for Valary_17:
(Start: 5 @10320 has 31 MA's), (7, 10272), (8, 10209),

Gene: VanDeWege_17 Start: 10248, Stop: 10102, Start Num: 5
Candidate Starts for VanDeWege_17:
(Start: 5 @10248 has 31 MA's), (7, 10200), (8, 10137),

Gene: Whitney_44 Start: 33036, Stop: 33179, Start Num: 5
Candidate Starts for Whitney_44:
(4, 32970), (Start: 5 @33036 has 31 MA's), (6, 33075), (7, 33084),

Gene: YungMoney_16 Start: 11008, Stop: 10862, Start Num: 5

Candidate Starts for YungMoney_16:
(Start: 5 @11008 has 31 MA's), (7, 10960), (8, 10897),