Pham 347845


1
3
4
5
1: Gezellig_49 + 18
3
4
5
2: Togo_49 + 4
3
4
5
3: PinkCoffee_52 + 6
3
4
5
4: Egi03_50
3
4
5
5: Sendy_51
2
5
6: Fireball_52 + 1

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 347845 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347845 has 35 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Gezellig_49, VanDeWege_53, Jambalaya_50, Bakery_56, CherryCola_52, Valary_52, Shinji_50, Portcullis_52, RogerDodger_53, Sixsevenium_54, Wizard_49, Mutzi_50, Halo3_51, Savbucketdawg_50, Twister6_52, Danyall_52, Arri_53, JohnPork_53, SharkTale_52
• Track 2 : Togo_49, Evamon_49, Nubi_50, SmokingBunny_50, Salvador_49
• Track 3 : PinkCoffee_52, ClamChowder_52, Phlop_49, KimmyK_51, PullumCavea_49, Barb_52, Fugax_53
• Track 4 : Egi03_50
• Track 5 : Sendy_51
• Track 6 : Fireball_52, TillyBobJoe_51

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

The start number called the most often in the published annotations is 3, it was called in 27 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arri_53, Bakery_56, Barb_52, CherryCola_52, ClamChowder_52, Danyall_52, Evamon_49, Fugax_53, Gezellig_49, Halo3_51, Jambalaya_50, JohnPork_53, KimmyK_51, Mutzi_50, Nubi_50, Phlop_49, PinkCoffee_52, Portcullis_52, PullumCavea_49, RogerDodger_53, Salvador_49, Savbucketdawg_50, SharkTale_52, Shinji_50, Sixsevenium_54, SmokingBunny_50, Togo_49, Twister6_52, Valary_52, VanDeWege_53, Wizard_49,

Genes that have the "Most Annotated" start but do not call it:
• Egi03_50, Sendy_51,

Genes that do not have the "Most Annotated" start:
• Fireball_52, TillyBobJoe_51,

Summary by start number:

Start 2:
• Found in 2 of 35 (5.7%) of genes in pham

• Manual Annotations of this start: 2 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fireball_52 (DC1), TillyBobJoe_51 (DC1),

Start 3:
• Found in 33 of 35 (94.3%) of genes in pham
• Manual Annotations of this start: 27 of 30
• Called 93.9% of time when present
• Phage (with cluster) where this start called: Arri_53 (DC1), Bakery_56 (DC1), Barb_52 (DC1), CherryCola_52 (DC1), ClamChowder_52 (DC1), Danyall_52 (DC1), Evamon_49 (DC1), Fugax_53 (DC1), Gezellig_49 (DC1), Halo3_51 (DC1), Jambalaya_50 (DC1), JohnPork_53 (DC1), KimmyK_51 (DC1), Mutzi_50 (DC1), Nubi_50 (DC1), Phlop_49 (DC1), PinkCoffee_52 (DC1), Portcullis_52 (DC1), PullumCavea_49 (DC1), RogerDodger_53 (DC1), Salvador_49 (DC1), Savbucketdawg_50 (DC1), SharkTale_52 (DC1), Shinji_50 (DC1), Sixsevenium_54 (DC1), SmokingBunny_50 (DC1), Togo_49 (DC1), Twister6_52 (DC1), Valary_52 (DC1), VanDeWege_53 (DC1), Wizard_49 (DC1),

Start 4:
• Found in 33 of 35 (94.3%) of genes in pham
• Manual Annotations of this start: 1 of 30
• Called 6.1% of time when present
• Phage (with cluster) where this start called: Egi03_50 (DC1), Sendy_51 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:
•Start number 2 was manually annotated 2 times for cluster DC1.
•Start number 3 was manually annotated 27 times for cluster DC1.
•Start number 4 was manually annotated 1 time for cluster DC1.

Gene Information:

Gene: Arri_53 Start: 40230, Stop: 40388, Start Num: 3
Candidate Starts for Arri_53:
(1, 40200), (Start: 3 @40230 has 27 MA's), (Start: 4 @40263 has 1 MA's), (5, 40347),

Gene: Bakery_56 Start: 41371, Stop: 41529, Start Num: 3
Candidate Starts for Bakery_56:
(1, 41341), (Start: 3 @41371 has 27 MA's), (Start: 4 @41404 has 1 MA's), (5, 41488),

Gene: Barb_52 Start: 40349, Stop: 40507, Start Num: 3
Candidate Starts for Barb_52:
(Start: 3 @40349 has 27 MA's), (Start: 4 @40382 has 1 MA's), (5, 40466),

Gene: CherryCola_52 Start: 41003, Stop: 41161, Start Num: 3
Candidate Starts for CherryCola_52:
(1, 40973), (Start: 3 @41003 has 27 MA's), (Start: 4 @41036 has 1 MA's), (5, 41120),

Gene: ClamChowder_52 Start: 40349, Stop: 40507, Start Num: 3
Candidate Starts for ClamChowder_52:
(Start: 3 @40349 has 27 MA's), (Start: 4 @40382 has 1 MA's), (5, 40466),

Gene: Danyall_52 Start: 40050, Stop: 40208, Start Num: 3
Candidate Starts for Danyall_52:
(1, 40020), (Start: 3 @40050 has 27 MA's), (Start: 4 @40083 has 1 MA's), (5, 40167),

Gene: Egi03_50 Start: 39863, Stop: 39988, Start Num: 4
Candidate Starts for Egi03_50:
(Start: 3 @39830 has 27 MA's), (Start: 4 @39863 has 1 MA's), (5, 39947),

Gene: Evamon_49 Start: 40069, Stop: 40227, Start Num: 3
Candidate Starts for Evamon_49:
(Start: 3 @40069 has 27 MA's), (Start: 4 @40102 has 1 MA's), (5, 40186),

Gene: Fireball_52 Start: 40676, Stop: 40843, Start Num: 2
Candidate Starts for Fireball_52:
(Start: 2 @40676 has 2 MA's), (5, 40802),

Gene: Fugax_53 Start: 40341, Stop: 40499, Start Num: 3
Candidate Starts for Fugax_53:
(Start: 3 @40341 has 27 MA's), (Start: 4 @40374 has 1 MA's), (5, 40458),

Gene: Gezellig_49 Start: 40201, Stop: 40359, Start Num: 3
Candidate Starts for Gezellig_49:
(1, 40171), (Start: 3 @40201 has 27 MA's), (Start: 4 @40234 has 1 MA's), (5, 40318),

Gene: Halo3_51 Start: 40786, Stop: 40944, Start Num: 3
Candidate Starts for Halo3_51:
(1, 40756), (Start: 3 @40786 has 27 MA's), (Start: 4 @40819 has 1 MA's), (5, 40903),

Gene: Jambalaya_50 Start: 39848, Stop: 40006, Start Num: 3
Candidate Starts for Jambalaya_50:
(1, 39818), (Start: 3 @39848 has 27 MA's), (Start: 4 @39881 has 1 MA's), (5, 39965),

Gene: JohnPork_53 Start: 39861, Stop: 40019, Start Num: 3
Candidate Starts for JohnPork_53:
(1, 39831), (Start: 3 @39861 has 27 MA's), (Start: 4 @39894 has 1 MA's), (5, 39978),

Gene: KimmyK_51 Start: 40783, Stop: 40941, Start Num: 3
Candidate Starts for KimmyK_51:
(Start: 3 @40783 has 27 MA's), (Start: 4 @40816 has 1 MA's), (5, 40900),

Gene: Mutzi_50 Start: 41177, Stop: 41335, Start Num: 3
Candidate Starts for Mutzi_50:
(1, 41147), (Start: 3 @41177 has 27 MA's), (Start: 4 @41210 has 1 MA's), (5, 41294),

Gene: Nubi_50 Start: 40174, Stop: 40332, Start Num: 3
Candidate Starts for Nubi_50:
(Start: 3 @40174 has 27 MA's), (Start: 4 @40207 has 1 MA's), (5, 40291),

Gene: Phlop_49 Start: 40255, Stop: 40413, Start Num: 3
Candidate Starts for Phlop_49:
(Start: 3 @40255 has 27 MA's), (Start: 4 @40288 has 1 MA's), (5, 40372),

Gene: PinkCoffee_52 Start: 40358, Stop: 40516, Start Num: 3
Candidate Starts for PinkCoffee_52:
(Start: 3 @40358 has 27 MA's), (Start: 4 @40391 has 1 MA's), (5, 40475),

Gene: Portcullis_52 Start: 39861, Stop: 40019, Start Num: 3
Candidate Starts for Portcullis_52:
(1, 39831), (Start: 3 @39861 has 27 MA's), (Start: 4 @39894 has 1 MA's), (5, 39978),

Gene: PullumCavea_49 Start: 40255, Stop: 40413, Start Num: 3
Candidate Starts for PullumCavea_49:
(Start: 3 @40255 has 27 MA's), (Start: 4 @40288 has 1 MA's), (5, 40372),

Gene: RogerDodger_53 Start: 40398, Stop: 40556, Start Num: 3
Candidate Starts for RogerDodger_53:
(1, 40368), (Start: 3 @40398 has 27 MA's), (Start: 4 @40431 has 1 MA's), (5, 40515),

Gene: Salvador_49 Start: 40067, Stop: 40225, Start Num: 3
Candidate Starts for Salvador_49:
(Start: 3 @40067 has 27 MA's), (Start: 4 @40100 has 1 MA's), (5, 40184),

Gene: Savbucketdawg_50 Start: 39848, Stop: 40006, Start Num: 3
Candidate Starts for Savbucketdawg_50:
(1, 39818), (Start: 3 @39848 has 27 MA's), (Start: 4 @39881 has 1 MA's), (5, 39965),

Gene: Sendy_51 Start: 40408, Stop: 40533, Start Num: 4
Candidate Starts for Sendy_51:
(Start: 3 @40375 has 27 MA's), (Start: 4 @40408 has 1 MA's), (5, 40492),

Gene: SharkTale_52 Start: 41189, Stop: 41347, Start Num: 3
Candidate Starts for SharkTale_52:
(1, 41159), (Start: 3 @41189 has 27 MA's), (Start: 4 @41222 has 1 MA's), (5, 41306),

Gene: Shinji_50 Start: 39611, Stop: 39769, Start Num: 3
Candidate Starts for Shinji_50:
(1, 39581), (Start: 3 @39611 has 27 MA's), (Start: 4 @39644 has 1 MA's), (5, 39728),

Gene: Sixsevenium_54 Start: 40600, Stop: 40758, Start Num: 3
Candidate Starts for Sixsevenium_54:
(1, 40570), (Start: 3 @40600 has 27 MA's), (Start: 4 @40633 has 1 MA's), (5, 40717),

Gene: SmokingBunny_50 Start: 40160, Stop: 40318, Start Num: 3
Candidate Starts for SmokingBunny_50:
(Start: 3 @40160 has 27 MA's), (Start: 4 @40193 has 1 MA's), (5, 40277),

Gene: TillyBobJoe_51 Start: 40342, Stop: 40509, Start Num: 2
Candidate Starts for TillyBobJoe_51:
(Start: 2 @40342 has 2 MA's), (5, 40468),

Gene: Togo_49 Start: 40160, Stop: 40318, Start Num: 3

Candidate Starts for Togo_49:
(Start: 3 @40160 has 27 MA's), (Start: 4 @40193 has 1 MA's), (5, 40277),

Gene: Twister6_52 Start: 39961, Stop: 40119, Start Num: 3
Candidate Starts for Twister6_52:
(1, 39931), (Start: 3 @39961 has 27 MA's), (Start: 4 @39994 has 1 MA's), (5, 40078),

Gene: Valary_52 Start: 41003, Stop: 41161, Start Num: 3
Candidate Starts for Valary_52:
(1, 40973), (Start: 3 @41003 has 27 MA's), (Start: 4 @41036 has 1 MA's), (5, 41120),

Gene: VanDeWege_53 Start: 40295, Stop: 40453, Start Num: 3
Candidate Starts for VanDeWege_53:
(1, 40265), (Start: 3 @40295 has 27 MA's), (Start: 4 @40328 has 1 MA's), (5, 40412),

Gene: Wizard_49 Start: 40201, Stop: 40359, Start Num: 3
Candidate Starts for Wizard_49:
(1, 40171), (Start: 3 @40201 has 27 MA's), (Start: 4 @40234 has 1 MA's), (5, 40318),