



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 329426 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329426 has 21 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Barbonzobean_78
- Track 2 : Renaldo_82, Lewando_78, Biscute_74, Kinny_77, Muglass_75, BarbieDoll_78
- Track 3 : GantcherGoblin_72, BlackHoleSun_76
- Track 4 : Argan_71
- Track 5 : TrixiePhattel_75
- Track 6 : Altjira_76, Stardrop_74, Tenney120_75, KevinMinion_72, Uzumaki_71, Navi1117_77
- Track 7 : PoeMe_74, Zeina_77
- Track 8 : Mardi_75, Phaila_74

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altjira_76, BlackHoleSun_76, GantcherGoblin_72, KevinMinion_72, Mardi_75, Navi1117_77, Phaila_74, Stardrop_74, Tenney120_75, Uzumaki_71,

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

- Argan_71, PoeMe_74, Zeina_77,

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

- BarbieDoll_78, Barbonzobean_78, Biscute_74, Kinny_77, Lewando_78, Muglass_75, Renaldo_82, TrixiePhattel_75,

Summary by start number:

Start 1:

- Found in 1 of 21 (4.8%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argan_71 (AU6),

Start 2:

- Found in 13 of 21 (61.9%) of genes in pham
- Manual Annotations of this start: 7 of 16
- Called 76.9% of time when present
- Phage (with cluster) where this start called: Altjira_76 (AU6), BlackHoleSun_76 (AU6), GantcherGoblin_72 (AU6), KevinMinion_72 (AU6), Mardi_75 (AU6), Navi1117_77 (AU6), Phaila_74 (AU6), Stardrop_74 (AU6), Tenney120_75 (AU6), Uzumaki_71 (AU6),

Start 3:

- Found in 1 of 21 (4.8%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TrixiePhattel_75 (AU6),

Start 4:

- Found in 18 of 21 (85.7%) of genes in pham
- Manual Annotations of this start: 6 of 16
- Called 44.4% of time when present
- Phage (with cluster) where this start called: BarbieDoll_78 (AU6), Biscute_74 (AU6), Kinny_77 (AU6), Lewando_78 (AU6), Muglass_75 (AU6), PoeMe_74 (AU6), Renaldo_82 (AU6), Zeina_77 (AU6),

Start 5:

- Found in 9 of 21 (42.9%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Barbonzobean_78 (AU6),

Summary by clusters:

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:

- Start number 1 was manually annotated 1 time for cluster AU6.
- Start number 2 was manually annotated 7 times for cluster AU6.
- Start number 3 was manually annotated 1 time for cluster AU6.
- Start number 4 was manually annotated 6 times for cluster AU6.
- Start number 5 was manually annotated 1 time for cluster AU6.

Gene Information:

Gene: Altjira_76 Start: 46381, Stop: 46536, Start Num: 2

Candidate Starts for Altjira_76:

(Start: 2 @46381 has 7 MA's), (Start: 4 @46396 has 6 MA's),

Gene: Argan_71 Start: 45050, Stop: 45259, Start Num: 1

Candidate Starts for Argan_71:

(Start: 1 @45050 has 1 MA's), (Start: 2 @45104 has 7 MA's), (Start: 4 @45119 has 6 MA's),

Gene: BarbieDoll_78 Start: 46828, Stop: 46974, Start Num: 4
Candidate Starts for BarbieDoll_78:
(Start: 4 @46828 has 6 MA's), (Start: 5 @46831 has 1 MA's), (6, 46903),

Gene: Barbonzobean_78 Start: 47227, Stop: 47370, Start Num: 5
Candidate Starts for Barbonzobean_78:
(Start: 4 @47224 has 6 MA's), (Start: 5 @47227 has 1 MA's), (6, 47299),

Gene: Biscute_74 Start: 46480, Stop: 46626, Start Num: 4
Candidate Starts for Biscute_74:
(Start: 4 @46480 has 6 MA's), (Start: 5 @46483 has 1 MA's), (6, 46555),

Gene: BlackHoleSun_76 Start: 45222, Stop: 45374, Start Num: 2
Candidate Starts for BlackHoleSun_76:
(Start: 2 @45222 has 7 MA's), (Start: 5 @45237 has 1 MA's),

Gene: GantcherGoblin_72 Start: 45163, Stop: 45315, Start Num: 2
Candidate Starts for GantcherGoblin_72:
(Start: 2 @45163 has 7 MA's), (Start: 5 @45178 has 1 MA's),

Gene: KevinMinion_72 Start: 46055, Stop: 46210, Start Num: 2
Candidate Starts for KevinMinion_72:
(Start: 2 @46055 has 7 MA's), (Start: 4 @46070 has 6 MA's),

Gene: Kinny_77 Start: 47307, Stop: 47453, Start Num: 4
Candidate Starts for Kinny_77:
(Start: 4 @47307 has 6 MA's), (Start: 5 @47310 has 1 MA's), (6, 47382),

Gene: Lewando_78 Start: 47045, Stop: 47191, Start Num: 4
Candidate Starts for Lewando_78:
(Start: 4 @47045 has 6 MA's), (Start: 5 @47048 has 1 MA's), (6, 47120),

Gene: Mardi_75 Start: 45807, Stop: 45953, Start Num: 2
Candidate Starts for Mardi_75:
(Start: 2 @45807 has 7 MA's), (Start: 4 @45822 has 6 MA's),

Gene: Muglass_75 Start: 46384, Stop: 46530, Start Num: 4
Candidate Starts for Muglass_75:
(Start: 4 @46384 has 6 MA's), (Start: 5 @46387 has 1 MA's), (6, 46459),

Gene: Navi1117_77 Start: 46243, Stop: 46398, Start Num: 2
Candidate Starts for Navi1117_77:
(Start: 2 @46243 has 7 MA's), (Start: 4 @46258 has 6 MA's),

Gene: Phaila_74 Start: 45285, Stop: 45440, Start Num: 2
Candidate Starts for Phaila_74:
(Start: 2 @45285 has 7 MA's), (Start: 4 @45300 has 6 MA's),

Gene: PoeMe_74 Start: 45790, Stop: 45930, Start Num: 4
Candidate Starts for PoeMe_74:
(Start: 2 @45775 has 7 MA's), (Start: 4 @45790 has 6 MA's),

Gene: Renaldo_82 Start: 47266, Stop: 47412, Start Num: 4

Candidate Starts for Renaldo_82:

(Start: 4 @47266 has 6 MA's), (Start: 5 @47269 has 1 MA's), (6, 47341),

Gene: Stardrop_74 Start: 45877, Stop: 46032, Start Num: 2

Candidate Starts for Stardrop_74:

(Start: 2 @45877 has 7 MA's), (Start: 4 @45892 has 6 MA's),

Gene: Tenney120_75 Start: 45823, Stop: 45978, Start Num: 2

Candidate Starts for Tenney120_75:

(Start: 2 @45823 has 7 MA's), (Start: 4 @45838 has 6 MA's),

Gene: TrixiePhattel_75 Start: 45473, Stop: 45613, Start Num: 3

Candidate Starts for TrixiePhattel_75:

(Start: 3 @45473 has 1 MA's),

Gene: Uzumaki_71 Start: 45263, Stop: 45418, Start Num: 2

Candidate Starts for Uzumaki_71:

(Start: 2 @45263 has 7 MA's), (Start: 4 @45278 has 6 MA's),

Gene: Zeina_77 Start: 46134, Stop: 46274, Start Num: 4

Candidate Starts for Zeina_77:

(Start: 2 @46119 has 7 MA's), (Start: 4 @46134 has 6 MA's),