



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 203426 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203426 has 15 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Brunswick_81
- Track 2 : Darby_76
- Track 3 : Synepsis_74, CastorTray_82, AreFloNak_83, Trustiboi_78, Nivinsha_80
- Track 4 : Niktson_79, ElephantMan_79
- Track 5 : ScienceWizSam_80, DevitoJr_78, Nightmare_80, Tatanka_73
- Track 6 : Acai_77
- Track 7 : Bouchard_82

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

The start number called the most often in the published annotations is 4, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acai_77, AreFloNak_83, Brunswick_81, CastorTray_82, Darby_76, DevitoJr_78, ElephantMan_79, Nightmare_80, Niktson_79, Nivinsha_80, ScienceWizSam_80, Synepsis_74, Tatanka_73, Trustiboi_78,

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

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

- Bouchard_82,

Summary by start number:

Start 4:

- Found in 14 of 15 (93.3%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acai_77 (AU1), AreFloNak_83 (AU1), Brunswick_81 (AU1), CastorTray_82 (AU1), Darby_76 (AU1), DevitoJr_78 (AU1), ElephantMan_79 (AU1), Nightmare_80 (AU1), Niktson_79 (AU1), Nivinsha_80 (AU1), ScienceWizSam_80 (AU1), Synepsis_74 (AU1), Tatanka_73 (AU1), Trustiboi_78

(AU1),

Start 5:

- Found in 1 of 15 (6.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bouchard_82 (AU2),

Summary by clusters:

There are 2 clusters represented in this pham: AU1, AU2,

Info for manual annotations of cluster AU1:

- Start number 4 was manually annotated 11 times for cluster AU1.

Gene Information:

Gene: Acai_77 Start: 51061, Stop: 51291, Start Num: 4

Candidate Starts for Acai_77:

(Start: 4 @51061 has 11 MA's), (7, 51271),

Gene: AreFloNak_83 Start: 50922, Stop: 51155, Start Num: 4

Candidate Starts for AreFloNak_83:

(Start: 4 @50922 has 11 MA's), (7, 51135),

Gene: Bouchard_82 Start: 51534, Stop: 51761, Start Num: 5

Candidate Starts for Bouchard_82:

(3, 51477), (5, 51534), (6, 51705), (7, 51741),

Gene: Brunswick_81 Start: 51309, Stop: 51539, Start Num: 4

Candidate Starts for Brunswick_81:

(1, 51216), (Start: 4 @51309 has 11 MA's), (7, 51519),

Gene: CastorTray_82 Start: 51690, Stop: 51923, Start Num: 4

Candidate Starts for CastorTray_82:

(Start: 4 @51690 has 11 MA's), (7, 51903),

Gene: Darby_76 Start: 50736, Stop: 50969, Start Num: 4

Candidate Starts for Darby_76:

(Start: 4 @50736 has 11 MA's), (7, 50949),

Gene: DevitoJr_78 Start: 50862, Stop: 51095, Start Num: 4

Candidate Starts for DevitoJr_78:

(Start: 4 @50862 has 11 MA's), (7, 51075),

Gene: ElephantMan_79 Start: 51646, Stop: 51876, Start Num: 4

Candidate Starts for ElephantMan_79:

(2, 51559), (Start: 4 @51646 has 11 MA's), (7, 51856),

Gene: Nightmare_80 Start: 51816, Stop: 52049, Start Num: 4

Candidate Starts for Nightmare_80:
(Start: 4 @51816 has 11 MA's), (7, 52029),

Gene: Niktson_79 Start: 51646, Stop: 51876, Start Num: 4
Candidate Starts for Niktson_79:
(2, 51559), (Start: 4 @51646 has 11 MA's), (7, 51856),

Gene: Nivinsha_80 Start: 50923, Stop: 51156, Start Num: 4
Candidate Starts for Nivinsha_80:
(Start: 4 @50923 has 11 MA's), (7, 51136),

Gene: ScienceWizSam_80 Start: 51035, Stop: 51268, Start Num: 4
Candidate Starts for ScienceWizSam_80:
(Start: 4 @51035 has 11 MA's), (7, 51248),

Gene: Synopsis_74 Start: 50849, Stop: 51082, Start Num: 4
Candidate Starts for Synopsis_74:
(Start: 4 @50849 has 11 MA's), (7, 51062),

Gene: Tatanka_73 Start: 51021, Stop: 51254, Start Num: 4
Candidate Starts for Tatanka_73:
(Start: 4 @51021 has 11 MA's), (7, 51234),

Gene: Trustiboi_78 Start: 51380, Stop: 51613, Start Num: 4
Candidate Starts for Trustiboi_78:
(Start: 4 @51380 has 11 MA's), (7, 51593),