

Pham 6390



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 6390 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6390 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : AreFloNak_93
- Track 2 : ScienceWizSam_89
- Track 3 : Trustiboi_85
- Track 4 : Gordon_82
- Track 5 : DevitoJr_87
- Track 6 : Tatanka_81
- Track 7 : Nivinsha_88
- Track 8 : Nightmare_87
- Track 9 : Lewando_84, BarbieDoll_87

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarbieDoll_87, DevitoJr_87, Lewando_84, ScienceWizSam_89, Trustiboi_85,

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

- Nivinsha_88,

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

- AreFloNak_93, Gordon_82, Nightmare_87, Tatanka_81,

Summary by start number:

Start 2:

- Found in 4 of 10 (40.0%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Nivinsha_88 (AU1),

Start 4:

- Found in 1 of 10 (10.0%) of genes in pham

- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AreFloNak_93 (AU1),

Start 5:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gordon_82 (AU1),

Start 6:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nightmare_87 (AU1), Tatanka_81 (AU1),

Start 7:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 83.3% of time when present
- Phage (with cluster) where this start called: BarbieDoll_87 (AU6), DevitoJr_87 (AU1), Lewando_84 (AU6), ScienceWizSam_89 (AU1), Trustiboi_85 (AU1),

Summary by clusters:

There are 2 clusters represented in this pham: AU1, AU6,

Info for manual annotations of cluster AU1:

- Start number 5 was manually annotated 1 time for cluster AU1.
- Start number 6 was manually annotated 2 times for cluster AU1.
- Start number 7 was manually annotated 3 times for cluster AU1.

Info for manual annotations of cluster AU6:

- Start number 7 was manually annotated 1 time for cluster AU6.

Gene Information:

Gene: AreFloNak_93 Start: 53428, Stop: 53655, Start Num: 4

Candidate Starts for AreFloNak_93:

(4, 53428), (12, 53539), (14, 53545),

Gene: BarbieDoll_87 Start: 50836, Stop: 51057, Start Num: 7

Candidate Starts for BarbieDoll_87:

(3, 50821), (Start: 7 @50836 has 4 MA's), (8, 50881), (9, 50884), (15, 50938), (17, 51016), (18, 51031),

Gene: DevitoJr_87 Start: 53136, Stop: 53351, Start Num: 7

Candidate Starts for DevitoJr_87:

(2, 53109), (Start: 7 @53136 has 4 MA's), (10, 53211), (11, 53223), (16, 53271),

Gene: Gordon_82 Start: 53347, Stop: 53571, Start Num: 5

Candidate Starts for Gordon_82:

(Start: 5 @53347 has 1 MA's), (10, 53431), (16, 53491),

Gene: Lewando_84 Start: 50268, Stop: 50489, Start Num: 7

Candidate Starts for Lewando_84:

(3, 50253), (Start: 7 @50268 has 4 MA's), (8, 50313), (9, 50316), (15, 50370), (17, 50448), (18, 50463),

Gene: Nightmare_87 Start: 53917, Stop: 54135, Start Num: 6

Candidate Starts for Nightmare_87:

(Start: 6 @53917 has 2 MA's), (11, 54007), (12, 54019), (16, 54055),

Gene: Nivinsha_88 Start: 53239, Stop: 53481, Start Num: 2

Candidate Starts for Nivinsha_88:

(1, 53215), (2, 53239), (Start: 7 @53266 has 4 MA's), (12, 53365),

Gene: ScienceWizSam_89 Start: 53309, Stop: 53524, Start Num: 7

Candidate Starts for ScienceWizSam_89:

(2, 53282), (Start: 7 @53309 has 4 MA's), (10, 53384), (11, 53396), (12, 53408), (13, 53411), (16, 53444),

Gene: Tatanka_81 Start: 53205, Stop: 53423, Start Num: 6

Candidate Starts for Tatanka_81:

(Start: 6 @53205 has 2 MA's), (11, 53295), (12, 53307), (13, 53310), (16, 53343),

Gene: Trustiboi_85 Start: 53321, Stop: 53536, Start Num: 7

Candidate Starts for Trustiboi_85:

(1, 53270), (2, 53294), (Start: 7 @53321 has 4 MA's), (11, 53408), (12, 53420), (13, 53423), (16, 53456),