

Pham 6271



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 6271 Report

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

Pham number 6271 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : EugeneKrabs_52, KingKamren_52, Zhengyi_52
- Track 2 : TinyTimothy_53, YellowPanda_56, Wesak_54
- Track 3 : Biozilla_56, HitchHiker_58
- Track 4 : Oatly_57, PineapplePluto_58, CrunchyBoi_58
- Track 5 : Pabst_55

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Biozilla_56, CrunchyBoi_58, EugeneKrabs_52, HitchHiker_58, KingKamren_52, Oatly_57, Pabst_55, PineapplePluto_58, TinyTimothy_53, Wesak_54, YellowPanda_56, Zhengyi_52,

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 3:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Biozilla_56 (EK1), CrunchyBoi_58 (EK1), EugeneKrabs_52 (EK), HitchHiker_58 (EK1), KingKamren_52 (EK), Oatly_57 (EK1), Pabst_55 (EK1), PineapplePluto_58 (EK1), TinyTimothy_53 (EK1), Wesak_54 (EK1), YellowPanda_56 (EK1), Zhengyi_52 (EK),

Summary by clusters:

There are 2 clusters represented in this pham: EK, EK1,

Info for manual annotations of cluster EK:

- Start number 3 was manually annotated 2 times for cluster EK.

Info for manual annotations of cluster EK1:

- Start number 3 was manually annotated 7 times for cluster EK1.

Gene Information:

Gene: Biozilla_56 Start: 53843, Stop: 53667, Start Num: 3

Candidate Starts for Biozilla_56:

(1, 53927), (Start: 3 @53843 has 9 MA's), (4, 53780), (8, 53717),

Gene: CrunchyBoi_58 Start: 53698, Stop: 53522, Start Num: 3

Candidate Starts for CrunchyBoi_58:

(Start: 3 @53698 has 9 MA's), (4, 53635), (8, 53572),

Gene: EugeneKrabs_52 Start: 54625, Stop: 54455, Start Num: 3

Candidate Starts for EugeneKrabs_52:

(Start: 3 @54625 has 9 MA's), (5, 54559), (6, 54529), (7, 54505),

Gene: HitchHiker_58 Start: 53843, Stop: 53667, Start Num: 3

Candidate Starts for HitchHiker_58:

(1, 53927), (Start: 3 @53843 has 9 MA's), (4, 53780), (8, 53717),

Gene: KingKamren_52 Start: 54592, Stop: 54416, Start Num: 3

Candidate Starts for KingKamren_52:

(Start: 3 @54592 has 9 MA's), (5, 54526), (6, 54496), (7, 54472),

Gene: Oatly_57 Start: 53403, Stop: 53227, Start Num: 3

Candidate Starts for Oatly_57:

(Start: 3 @53403 has 9 MA's), (4, 53340), (8, 53277),

Gene: Pabst_55 Start: 53518, Stop: 53342, Start Num: 3

Candidate Starts for Pabst_55:

(Start: 3 @53518 has 9 MA's), (4, 53455), (5, 53452), (6, 53422), (8, 53392),

Gene: PineapplePluto_58 Start: 53766, Stop: 53590, Start Num: 3

Candidate Starts for PineapplePluto_58:

(Start: 3 @53766 has 9 MA's), (4, 53703), (8, 53640),

Gene: TinyTimothy_53 Start: 53821, Stop: 53651, Start Num: 3

Candidate Starts for TinyTimothy_53:

(2, 53824), (Start: 3 @53821 has 9 MA's), (5, 53755), (6, 53725),

Gene: Wesak_54 Start: 53678, Stop: 53508, Start Num: 3

Candidate Starts for Wesak_54:

(2, 53681), (Start: 3 @53678 has 9 MA's), (5, 53612), (6, 53582),

Gene: YellowPanda_56 Start: 53547, Stop: 53377, Start Num: 3

Candidate Starts for YellowPanda_56:

(2, 53550), (Start: 3 @53547 has 9 MA's), (5, 53481), (6, 53451),

Gene: Zhengyi_52 Start: 54674, Stop: 54504, Start Num: 3

Candidate Starts for Zhengyi_52:

(Start: 3 @54674 has 9 MA's), (5, 54608), (6, 54578), (7, 54554),