

1			
1: Casey_27 + 2			

2			3
2: CaptainRex_28 + 2			

3			3	4
3: Zayuliv_28 + 4				

4			
4: WilliamStrong_29			

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 6231 Report

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

Pham number 6231 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Casey_27, Pajaza_27, Pikmin_27
- Track 2 : CaptainRex_28, Librie_28, QuadZero_28
- Track 3 : Zayuliv_28, LilTerminator_29, Hasitha_28, Fulton_29, GreenIvy_29
- Track 4 : WilliamStrong_29

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

Genes that call this "Most Annotated" start:

- CaptainRex_28, Fulton_29, GreenIvy_29, Hasitha_28, Librie_28, LilTerminator_29, QuadZero_28, WilliamStrong_29, Zayuliv_28,

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:

- Casey_27, Pajaza_27, Pikmin_27,

Summary by start number:

Start 1:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Casey_27 (EA3), Pajaza_27 (EA3), Pikmin_27 (EA3),

Start 2:

- Found in 9 of 12 (75.0%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: CaptainRex_28 (EA5), Fulton_29 (EA5), Greenlvy_29 (EA5), Hasitha_28 (EA5), Librie_28 (EA5), LilTerminator_29 (EA5), QuadZero_28 (EA5), WilliamStrong_29 (EA6), Zayuliv_28 (EA5),

Summary by clusters:

There are 3 clusters represented in this pham: EA3, EA5, EA6,

Info for manual annotations of cluster EA3:

- Start number 1 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA5:

- Start number 2 was manually annotated 5 times for cluster EA5.

Info for manual annotations of cluster EA6:

- Start number 2 was manually annotated 1 time for cluster EA6.

Gene Information:

Gene: CaptainRex_28 Start: 19481, Stop: 19296, Start Num: 2

Candidate Starts for CaptainRex_28:

(Start: 2 @19481 has 6 MA's), (3, 19385),

Gene: Casey_27 Start: 20950, Stop: 20759, Start Num: 1

Candidate Starts for Casey_27:

(Start: 1 @20950 has 3 MA's),

Gene: Fulton_29 Start: 19485, Stop: 19300, Start Num: 2

Candidate Starts for Fulton_29:

(Start: 2 @19485 has 6 MA's), (3, 19389), (4, 19365),

Gene: Greenlvy_29 Start: 20071, Stop: 19886, Start Num: 2

Candidate Starts for Greenlvy_29:

(Start: 2 @20071 has 6 MA's), (3, 19975), (4, 19951),

Gene: Hasitha_28 Start: 19497, Stop: 19312, Start Num: 2

Candidate Starts for Hasitha_28:

(Start: 2 @19497 has 6 MA's), (3, 19401), (4, 19377),

Gene: Librie_28 Start: 19481, Stop: 19296, Start Num: 2

Candidate Starts for Librie_28:

(Start: 2 @19481 has 6 MA's), (3, 19385),

Gene: LilTerminator_29 Start: 19503, Stop: 19318, Start Num: 2

Candidate Starts for LilTerminator_29:

(Start: 2 @19503 has 6 MA's), (3, 19407), (4, 19383),

Gene: Pajaza_27 Start: 20950, Stop: 20759, Start Num: 1

Candidate Starts for Pajaza_27:

(Start: 1 @20950 has 3 MA's),

Gene: Pikmin_27 Start: 20950, Stop: 20759, Start Num: 1
Candidate Starts for Pikmin_27:
(Start: 1 @20950 has 3 MA's),

Gene: QuadZero_28 Start: 19507, Stop: 19322, Start Num: 2
Candidate Starts for QuadZero_28:
(Start: 2 @19507 has 6 MA's), (3, 19411),

Gene: WilliamStrong_29 Start: 21436, Stop: 21251, Start Num: 2
Candidate Starts for WilliamStrong_29:
(Start: 2 @21436 has 6 MA's),

Gene: Zayuliv_28 Start: 20093, Stop: 19908, Start Num: 2
Candidate Starts for Zayuliv_28:
(Start: 2 @20093 has 6 MA's), (3, 19997), (4, 19973),