

Pham 291572



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 291572 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291572 has 19 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Leathea\_50
- Track 2 : Barbonzobean\_55
- Track 3 : PoeMe\_50
- Track 4 : Argan\_48
- Track 5 : TrixiePhattel\_50
- Track 6 : Zeina\_51, Tenney120\_51
- Track 7 : Renaldo\_55, Lewando\_52
- Track 8 : KevinMinion\_49
- Track 9 : Uzumaki\_47
- Track 10 : Mardi\_50
- Track 11 : JeNeSaisPas\_156, Gandionco\_159, Kureo\_158, Elver\_163, Marianna39\_159
- Track 12 : Qui\_163, Paella\_163

### ***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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan\_48, Barbonzobean\_55, Elver\_163, Gandionco\_159, JeNeSaisPas\_156, KevinMinion\_49, Kureo\_158, Leathea\_50, Lewando\_52, Mardi\_50, Marianna39\_159, Paella\_163, PoeMe\_50, Qui\_163, Renaldo\_55, Tenney120\_51, TrixiePhattel\_50, Uzumaki\_47, Zeina\_51,

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 19 of 19 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argan\_48 (AU6), Barbonzobean\_55 (AU6), Elver\_163 (FK), Gandionco\_159 (FK), JeNeSaisPas\_156 (FK), KevinMinion\_49 (AU6), Kureo\_158 (FK), Leathea\_50 (AU6), Lewando\_52 (AU6), Mardi\_50 (AU6), Marianna39\_159 (FK), Paella\_163 (FK), PoeMe\_50 (AU6), Qui\_163 (FK), Renaldo\_55 (AU6), Tenney120\_51 (AU6), TrixiePhattel\_50 (AU6), Uzumaki\_47 (AU6), Zeina\_51 (AU6),

### **Summary by clusters:**

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

Info for manual annotations of cluster AU6:

- Start number 3 was manually annotated 7 times for cluster AU6.

Info for manual annotations of cluster FK:

- Start number 3 was manually annotated 3 times for cluster FK.

### **Gene Information:**

Gene: Argan\_48 Start: 33040, Stop: 33261, Start Num: 3

Candidate Starts for Argan\_48:

(Start: 3 @33040 has 10 MA's), (5, 33082), (14, 33217),

Gene: Barbonzobean\_55 Start: 34940, Stop: 35149, Start Num: 3

Candidate Starts for Barbonzobean\_55:

(Start: 3 @34940 has 10 MA's), (6, 34997), (7, 35012), (12, 35075), (13, 35111), (15, 35123), (17, 35135),

Gene: Elver\_163 Start: 81364, Stop: 81597, Start Num: 3

Candidate Starts for Elver\_163:

(Start: 3 @81364 has 10 MA's), (4, 81397), (9, 81457), (10, 81478), (11, 81481), (16, 81553),

Gene: Gandionco\_159 Start: 80444, Stop: 80677, Start Num: 3

Candidate Starts for Gandionco\_159:

(Start: 3 @80444 has 10 MA's), (4, 80477), (9, 80537), (10, 80558), (11, 80561), (16, 80633),

Gene: JeNeSaisPas\_156 Start: 81040, Stop: 81273, Start Num: 3

Candidate Starts for JeNeSaisPas\_156:

(Start: 3 @81040 has 10 MA's), (4, 81073), (9, 81133), (10, 81154), (11, 81157), (16, 81229),

Gene: KevinMinion\_49 Start: 33991, Stop: 34212, Start Num: 3

Candidate Starts for KevinMinion\_49:

(Start: 3 @33991 has 10 MA's), (5, 34033), (8, 34078), (14, 34168),

Gene: Kureo\_158 Start: 80539, Stop: 80772, Start Num: 3

Candidate Starts for Kureo\_158:

(Start: 3 @80539 has 10 MA's), (4, 80572), (9, 80632), (10, 80653), (11, 80656), (16, 80728),

Gene: Leathea\_50 Start: 33107, Stop: 33319, Start Num: 3  
Candidate Starts for Leathea\_50:  
(1, 33035), (2, 33065), (Start: 3 @33107 has 10 MA's), (7, 33179), (10, 33221), (17, 33302),

Gene: Lewando\_52 Start: 34682, Stop: 34891, Start Num: 3  
Candidate Starts for Lewando\_52:  
(Start: 3 @34682 has 10 MA's), (7, 34754), (12, 34817), (13, 34853), (15, 34865), (17, 34877),

Gene: Mardi\_50 Start: 33566, Stop: 33787, Start Num: 3  
Candidate Starts for Mardi\_50:  
(Start: 3 @33566 has 10 MA's), (12, 33701),

Gene: Marianna39\_159 Start: 81049, Stop: 81282, Start Num: 3  
Candidate Starts for Marianna39\_159:  
(Start: 3 @81049 has 10 MA's), (4, 81082), (9, 81142), (10, 81163), (11, 81166), (16, 81238),

Gene: Paella\_163 Start: 82235, Stop: 82468, Start Num: 3  
Candidate Starts for Paella\_163:  
(Start: 3 @82235 has 10 MA's), (4, 82268), (6, 82292), (9, 82328), (10, 82349), (11, 82352), (16, 82424),

Gene: PoeMe\_50 Start: 33733, Stop: 33954, Start Num: 3  
Candidate Starts for PoeMe\_50:  
(Start: 3 @33733 has 10 MA's), (12, 33868),

Gene: Qui\_163 Start: 82235, Stop: 82468, Start Num: 3  
Candidate Starts for Qui\_163:  
(Start: 3 @82235 has 10 MA's), (4, 82268), (6, 82292), (9, 82328), (10, 82349), (11, 82352), (16, 82424),

Gene: Renaldo\_55 Start: 34991, Stop: 35200, Start Num: 3  
Candidate Starts for Renaldo\_55:  
(Start: 3 @34991 has 10 MA's), (7, 35063), (12, 35126), (13, 35162), (15, 35174), (17, 35186),

Gene: Tenney120\_51 Start: 33775, Stop: 33996, Start Num: 3  
Candidate Starts for Tenney120\_51:  
(Start: 3 @33775 has 10 MA's), (7, 33847), (14, 33952),

Gene: TrixiePhattel\_50 Start: 33138, Stop: 33347, Start Num: 3  
Candidate Starts for TrixiePhattel\_50:  
(Start: 3 @33138 has 10 MA's), (5, 33180), (15, 33321),

Gene: Uzumaki\_47 Start: 33233, Stop: 33454, Start Num: 3  
Candidate Starts for Uzumaki\_47:  
(Start: 3 @33233 has 10 MA's), (5, 33275), (14, 33410),

Gene: Zeina\_51 Start: 33783, Stop: 34004, Start Num: 3  
Candidate Starts for Zeina\_51:  
(Start: 3 @33783 has 10 MA's), (7, 33855), (14, 33960),