

Pham 237598



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 237598 Report

This analysis was run 02/07/26 on database version 634.

Pham number 237598 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Yuna\_79
- Track 2 : Hammy\_74
- Track 3 : Amohnition\_74, DARTH\_P\_74
- Track 4 : Ekdilam\_71
- Track 5 : Lavahound\_73, Amgine\_74
- Track 6 : Applecrisp\_73, Ellie\_72, Fefferhead\_75
- Track 7 : November\_73

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

Genes that call this "Most Annotated" start:

- Amgine\_74, Amohnition\_74, Applecrisp\_73, DARTH\_P\_74, Ekdilam\_71, Ellie\_72, Fefferhead\_75, Hammy\_74, Lavahound\_73, November\_73, Yuna\_79,

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 2:

- Found in 11 of 11 ( 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: Amgine\_74 (K6), Amohnition\_74 (K6), Applecrisp\_73 (K6), DARTH\_P\_74 (K6), Ekdilam\_71 (K6), Ellie\_72 (K6), Fefferhead\_75 (K6), Hammy\_74 (K6), Lavahound\_73 (K6), November\_73 (K6), Yuna\_79 (K6),

### **Summary by clusters:**

There is one cluster represented in this pham: K6

Info for manual annotations of cluster K6:

- Start number 2 was manually annotated 10 times for cluster K6.

**Gene Information:**

Gene: Amgine\_74 Start: 50986, Stop: 51285, Start Num: 2

Candidate Starts for Amgine\_74:

(Start: 2 @50986 has 10 MA's), (3, 50998), (4, 51040), (5, 51043), (11, 51151), (13, 51220), (14, 51229),

Gene: Amohnition\_74 Start: 50844, Stop: 51173, Start Num: 2

Candidate Starts for Amohnition\_74:

(Start: 2 @50844 has 10 MA's),

Gene: Applecrisp\_73 Start: 50428, Stop: 50727, Start Num: 2

Candidate Starts for Applecrisp\_73:

(Start: 2 @50428 has 10 MA's), (3, 50440), (4, 50482), (5, 50485), (11, 50593), (13, 50662), (14, 50671),

Gene: DARTH\_P\_74 Start: 50701, Stop: 51027, Start Num: 2

Candidate Starts for DARTH\_P\_74:

(Start: 2 @50701 has 10 MA's),

Gene: Ekdilam\_71 Start: 50909, Stop: 51241, Start Num: 2

Candidate Starts for Ekdilam\_71:

(Start: 2 @50909 has 10 MA's), (6, 50969), (7, 51047), (9, 51074),

Gene: Ellie\_72 Start: 50155, Stop: 50454, Start Num: 2

Candidate Starts for Ellie\_72:

(Start: 2 @50155 has 10 MA's), (3, 50167), (4, 50209), (5, 50212), (11, 50320), (13, 50389), (14, 50398),

Gene: Fefferhead\_75 Start: 50216, Stop: 50515, Start Num: 2

Candidate Starts for Fefferhead\_75:

(Start: 2 @50216 has 10 MA's), (3, 50228), (4, 50270), (5, 50273), (11, 50381), (13, 50450), (14, 50459),

Gene: Hammy\_74 Start: 50686, Stop: 51006, Start Num: 2

Candidate Starts for Hammy\_74:

(Start: 2 @50686 has 10 MA's), (10, 50851),

Gene: Lavahound\_73 Start: 51120, Stop: 51419, Start Num: 2

Candidate Starts for Lavahound\_73:

(Start: 2 @51120 has 10 MA's), (3, 51132), (4, 51174), (5, 51177), (11, 51285), (13, 51354), (14, 51363),

Gene: November\_73 Start: 50586, Stop: 50921, Start Num: 2

Candidate Starts for November\_73:

(Start: 2 @50586 has 10 MA's), (11, 50754),

Gene: Yuna\_79 Start: 51844, Stop: 52158, Start Num: 2

Candidate Starts for Yuna\_79:

(1, 51751), (Start: 2 @51844 has 10 MA's), (8, 52000), (12, 52030), (13, 52090),