



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 75980 Report

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

Pham number 75980 has 15 members, 1 are drafts.

Phages represented in each track:

- Track 1 : AFIS\_80, NEHalo\_79, Peterson\_82, Arcanine\_86, CactusRose\_86, Nerujay\_87, Ohno789\_86, MrGordo\_85, Bigfoot\_78, Topgun\_79, Wilkins\_80, Slagathor\_83
- Track 2 : Naira\_87
- Track 3 : Awesomesauce\_82
- Track 4 : Juniper1\_83

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

The start number called the most often in the published annotations is 5, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AFIS\_80, Arcanine\_86, Bigfoot\_78, CactusRose\_86, MrGordo\_85, NEHalo\_79, Naira\_87, Nerujay\_87, Ohno789\_86, Peterson\_82, Slagathor\_83, Topgun\_79, Wilkins\_80,

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:

- Awesomesauce\_82, Juniper1\_83,

### **Summary by start number:**

Start 2:

- Found in 1 of 15 ( 6.7% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Juniper1\_83 (F1),

Start 3:

- Found in 1 of 15 ( 6.7% ) of genes in pham
- Manual Annotations of this start: 1 of 14

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Awesomesauce\_82 (F1),

Start 5:

- Found in 13 of 15 ( 86.7% ) of genes in pham
- Manual Annotations of this start: 13 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AFIS\_80 (A1), Arcanine\_86 (A1), Bigfoot\_78 (A1), CactusRose\_86 (A1), MrGordo\_85 (A1), NEHalo\_79 (A1), Naira\_87 (A1), Nerujay\_87 (A1), Ohno789\_86 (A1), Peterson\_82 (A1), Slagathor\_83 (A1), Topgun\_79 (A1), Wilkins\_80 (A1),

### **Summary by clusters:**

There are 2 clusters represented in this pham: A1, F1,

Info for manual annotations of cluster A1:

- Start number 5 was manually annotated 13 times for cluster A1.

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 1 time for cluster F1.

### **Gene Information:**

Gene: AFIS\_80 Start: 48812, Stop: 48627, Start Num: 5

Candidate Starts for AFIS\_80:

(Start: 5 @48812 has 13 MA's), (6, 48773), (8, 48683),

Gene: Arcanine\_86 Start: 49888, Stop: 49706, Start Num: 5

Candidate Starts for Arcanine\_86:

(Start: 5 @49888 has 13 MA's), (6, 49849), (8, 49759),

Gene: Awesomesauce\_82 Start: 50258, Stop: 50470, Start Num: 3

Candidate Starts for Awesomesauce\_82:

(Start: 3 @50258 has 1 MA's),

Gene: Bigfoot\_78 Start: 48202, Stop: 48020, Start Num: 5

Candidate Starts for Bigfoot\_78:

(Start: 5 @48202 has 13 MA's), (6, 48163), (8, 48073),

Gene: CactusRose\_86 Start: 49219, Stop: 49037, Start Num: 5

Candidate Starts for CactusRose\_86:

(Start: 5 @49219 has 13 MA's), (6, 49180), (8, 49090),

Gene: Juniper1\_83 Start: 49044, Stop: 49265, Start Num: 2

Candidate Starts for Juniper1\_83:

(1, 49032), (2, 49044), (4, 49059), (7, 49194), (8, 49206), (9, 49218), (10, 49251),

Gene: MrGordo\_85 Start: 47880, Stop: 47698, Start Num: 5

Candidate Starts for MrGordo\_85:

(Start: 5 @47880 has 13 MA's), (6, 47841), (8, 47751),

Gene: NEHalo\_79 Start: 47622, Stop: 47437, Start Num: 5

Candidate Starts for NEHalo\_79:

(Start: 5 @47622 has 13 MA's), (6, 47583), (8, 47493),

Gene: Naira\_87 Start: 49559, Stop: 49377, Start Num: 5

Candidate Starts for Naira\_87:

(Start: 5 @49559 has 13 MA's), (6, 49520), (8, 49430), (10, 49385),

Gene: Nerujay\_87 Start: 50194, Stop: 50012, Start Num: 5

Candidate Starts for Nerujay\_87:

(Start: 5 @50194 has 13 MA's), (6, 50155), (8, 50065),

Gene: Ohno789\_86 Start: 49851, Stop: 49666, Start Num: 5

Candidate Starts for Ohno789\_86:

(Start: 5 @49851 has 13 MA's), (6, 49812), (8, 49722),

Gene: Peterson\_82 Start: 49513, Stop: 49331, Start Num: 5

Candidate Starts for Peterson\_82:

(Start: 5 @49513 has 13 MA's), (6, 49474), (8, 49384),

Gene: Slagathor\_83 Start: 49196, Stop: 49014, Start Num: 5

Candidate Starts for Slagathor\_83:

(Start: 5 @49196 has 13 MA's), (6, 49157), (8, 49067),

Gene: Topgun\_79 Start: 46770, Stop: 46588, Start Num: 5

Candidate Starts for Topgun\_79:

(Start: 5 @46770 has 13 MA's), (6, 46731), (8, 46641),

Gene: Wilkins\_80 Start: 46700, Stop: 46518, Start Num: 5

Candidate Starts for Wilkins\_80:

(Start: 5 @46700 has 13 MA's), (6, 46661), (8, 46571),