

# Pham 278912



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 278912 Report

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

Pham number 278912 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Superstar\_72
- Track 2 : Haizum\_65
- Track 3 : Daudau\_66
- Track 4 : Amethyst\_65
- Track 5 : Omar\_70
- Track 6 : Diane\_66
- Track 7 : Tefunt\_65, Nishikigoi\_66

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

The start number called the most often in the published annotations is 11, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amethyst\_65, Daudau\_66, Nishikigoi\_66, Omar\_70, Superstar\_72, Tefunt\_65,

Genes that have the "Most Annotated" start but do not call it:

- Diane\_66, Haizum\_65,

Genes that do not have the "Most Annotated" start:

- 

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

Start 9:

- Found in 8 of 8 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Diane\_66 (BD2),

Start 11:

- Found in 8 of 8 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 75.0% of time when present

- Phage (with cluster) where this start called: Amethyst\_65 (BD2), Daudau\_66 (BD2), Nishikigoi\_66 (BD2), Omar\_70 (BD2), Superstar\_72 (BD2), Tefunt\_65 (BD2),

Start 12:

- Found in 3 of 8 ( 37.5% ) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Haizum\_65 (BD2),

### **Summary by clusters:**

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:

- Start number 9 was manually annotated 1 time for cluster BD2.
- Start number 11 was manually annotated 5 times for cluster BD2.
- Start number 12 was manually annotated 1 time for cluster BD2.

### **Gene Information:**

Gene: Amethyst\_65 Start: 43154, Stop: 42858, Start Num: 11

Candidate Starts for Amethyst\_65:

(2, 43286), (4, 43265), (Start: 9 @43169 has 1 MA's), (Start: 11 @43154 has 5 MA's), (13, 43034), (14, 42941),

Gene: Daudau\_66 Start: 43674, Stop: 43396, Start Num: 11

Candidate Starts for Daudau\_66:

(1, 43956), (2, 43809), (3, 43788), (6, 43770), (7, 43707), (Start: 9 @43689 has 1 MA's), (Start: 11 @43674 has 5 MA's), (13, 43572),

Gene: Diane\_66 Start: 44254, Stop: 43943, Start Num: 9

Candidate Starts for Diane\_66:

(1, 44518), (2, 44371), (4, 44350), (Start: 9 @44254 has 1 MA's), (Start: 11 @44239 has 5 MA's), (14, 44026),

Gene: Haizum\_65 Start: 43959, Stop: 43672, Start Num: 12

Candidate Starts for Haizum\_65:

(1, 44241), (2, 44094), (4, 44076), (Start: 9 @43983 has 1 MA's), (Start: 11 @43968 has 5 MA's), (Start: 12 @43959 has 1 MA's), (13, 43848), (14, 43755),

Gene: Nishikigoi\_66 Start: 43968, Stop: 43672, Start Num: 11

Candidate Starts for Nishikigoi\_66:

(1, 44241), (2, 44094), (4, 44076), (Start: 9 @43983 has 1 MA's), (Start: 11 @43968 has 5 MA's), (Start: 12 @43959 has 1 MA's), (13, 43848), (14, 43755),

Gene: Omar\_70 Start: 42892, Stop: 42593, Start Num: 11

Candidate Starts for Omar\_70:

(2, 43027), (5, 43000), (Start: 9 @42907 has 1 MA's), (10, 42898), (Start: 11 @42892 has 5 MA's), (13, 42769),

Gene: Superstar\_72 Start: 44145, Stop: 43849, Start Num: 11

Candidate Starts for Superstar\_72:

(2, 44271), (8, 44172), (Start: 9 @44160 has 1 MA's), (Start: 11 @44145 has 5 MA's), (13, 44025), (14, 43932),

Gene: Tefunt\_65 Start: 43882, Stop: 43586, Start Num: 11

Candidate Starts for Tefunt\_65:

(1, 44155), (2, 44008), (4, 43990), (Start: 9 @43897 has 1 MA's), (Start: 11 @43882 has 5 MA's), (Start: 12 @43873 has 1 MA's), (13, 43762), (14, 43669),