



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 27884 Report

This analysis was run 04/05/24 on database version 557.

Pham number 27884 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Crossroads\_145, Faith1\_141, Zakai\_146, Breezona\_144, Winky\_144, Wilder\_144, Itos\_145, Miley16\_144, Netyap\_143, Loadrie\_144
- Track 2 : Finemlucis\_141

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

The start number called the most often in the published annotations is 1, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Breezona\_144, Crossroads\_145, Faith1\_141, Finemlucis\_141, Itos\_145, Loadrie\_144, Miley16\_144, Netyap\_143, Wilder\_144, Winky\_144, Zakai\_146,

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 1:

- Found in 11 of 11 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Breezona\_144 (L2), Crossroads\_145 (L2), Faith1\_141 (L2), Finemlucis\_141 (L2), Itos\_145 (L2), Loadrie\_144 (L2), Miley16\_144 (L2), Netyap\_143 (L2), Wilder\_144 (L2), Winky\_144 (L2), Zakai\_146 (L2),

### **Summary by clusters:**

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2:

- Start number 1 was manually annotated 11 times for cluster L2.

### **Gene Information:**

Gene: Breezona\_144 Start: 76003, Stop: 75878, Start Num: 1

Candidate Starts for Breezona\_144:

(Start: 1 @76003 has 11 MA's), (2, 75997), (3, 75982), (4, 75967), (5, 75961), (6, 75919),

Gene: Crossroads\_145 Start: 75505, Stop: 75380, Start Num: 1

Candidate Starts for Crossroads\_145:

(Start: 1 @75505 has 11 MA's), (2, 75499), (3, 75484), (4, 75469), (5, 75463), (6, 75421),

Gene: Faith1\_141 Start: 75311, Stop: 75186, Start Num: 1

Candidate Starts for Faith1\_141:

(Start: 1 @75311 has 11 MA's), (2, 75305), (3, 75290), (4, 75275), (5, 75269), (6, 75227),

Gene: Finemlucis\_141 Start: 76392, Stop: 76267, Start Num: 1

Candidate Starts for Finemlucis\_141:

(Start: 1 @76392 has 11 MA's), (2, 76386), (4, 76356), (5, 76350), (6, 76308),

Gene: Itos\_145 Start: 74288, Stop: 74163, Start Num: 1

Candidate Starts for Itos\_145:

(Start: 1 @74288 has 11 MA's), (2, 74282), (3, 74267), (4, 74252), (5, 74246), (6, 74204),

Gene: Loadrie\_144 Start: 75843, Stop: 75718, Start Num: 1

Candidate Starts for Loadrie\_144:

(Start: 1 @75843 has 11 MA's), (2, 75837), (3, 75822), (4, 75807), (5, 75801), (6, 75759),

Gene: Miley16\_144 Start: 76004, Stop: 75879, Start Num: 1

Candidate Starts for Miley16\_144:

(Start: 1 @76004 has 11 MA's), (2, 75998), (3, 75983), (4, 75968), (5, 75962), (6, 75920),

Gene: Netyap\_143 Start: 75717, Stop: 75592, Start Num: 1

Candidate Starts for Netyap\_143:

(Start: 1 @75717 has 11 MA's), (2, 75711), (3, 75696), (4, 75681), (5, 75675), (6, 75633),

Gene: Wilder\_144 Start: 75158, Stop: 75033, Start Num: 1

Candidate Starts for Wilder\_144:

(Start: 1 @75158 has 11 MA's), (2, 75152), (3, 75137), (4, 75122), (5, 75116), (6, 75074),

Gene: Winky\_144 Start: 76004, Stop: 75879, Start Num: 1

Candidate Starts for Winky\_144:

(Start: 1 @76004 has 11 MA's), (2, 75998), (3, 75983), (4, 75968), (5, 75962), (6, 75920),

Gene: Zakai\_146 Start: 75714, Stop: 75589, Start Num: 1

Candidate Starts for Zakai\_146:

(Start: 1 @75714 has 11 MA's), (2, 75708), (3, 75693), (4, 75678), (5, 75672), (6, 75630),