



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 309794 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309794 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : King2_71
- Track 2 : Caron_74
- Track 3 : Dunamis_25, Swim_27
- Track 4 : Anjali_22
- Track 5 : Goodgraces_24, Tillums_28, Casab_26
- Track 6 : Divya_57
- Track 7 : Orkz_4

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 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anjali_22, Casab_26, Dunamis_25, Goodgraces_24, King2_71, Swim_27, Tillums_28,

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:

- Caron_74, Divya_57, Orkz_4,

Summary by start number:

Start 10:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Caron_74 (EH),

Start 11:

- Found in 7 of 10 (70.0%) of genes in pham
- Manual Annotations of this start: 7 of 9

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anjali_22 (FD), Casab_26 (FD), Dunamis_25 (FD), Goodgraces_24 (FD), King2_71 (AO1), Swim_27 (FD), Tillums_28 (FD),

Start 12:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Divya_57 (FL), Orkz_4 (FL),

Summary by clusters:

There are 4 clusters represented in this pham: FL, FD, EH, AO1,

Info for manual annotations of cluster AO1:

- Start number 11 was manually annotated 1 time for cluster AO1.

Info for manual annotations of cluster EH:

- Start number 10 was manually annotated 1 time for cluster EH.

Info for manual annotations of cluster FD:

- Start number 11 was manually annotated 6 times for cluster FD.

Info for manual annotations of cluster FL:

- Start number 12 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: Anjali_22 Start: 18026, Stop: 18268, Start Num: 11

Candidate Starts for Anjali_22:

(1, 17219), (2, 17258), (3, 17444), (4, 17552), (5, 17639), (6, 17645), (7, 17681), (Start: 11 @18026 has 7 MA's), (17, 18152), (18, 18158), (21, 18260),

Gene: Caron_74 Start: 45067, Stop: 45339, Start Num: 10

Candidate Starts for Caron_74:

(Start: 10 @45067 has 1 MA's), (14, 45181),

Gene: Casab_26 Start: 19065, Stop: 19307, Start Num: 11

Candidate Starts for Casab_26:

(Start: 11 @19065 has 7 MA's), (17, 19191), (21, 19299),

Gene: Divya_57 Start: 38599, Stop: 38835, Start Num: 12

Candidate Starts for Divya_57:

(8, 38551), (Start: 12 @38599 has 1 MA's), (13, 38659), (17, 38713),

Gene: Dunamis_25 Start: 18676, Stop: 18918, Start Num: 11

Candidate Starts for Dunamis_25:

(9, 18628), (Start: 11 @18676 has 7 MA's), (17, 18802), (18, 18808), (21, 18910),

Gene: Goodgraces_24 Start: 18639, Stop: 18881, Start Num: 11

Candidate Starts for Goodgraces_24:
(Start: 11 @18639 has 7 MA's), (17, 18765), (21, 18873),

Gene: King2_71 Start: 48851, Stop: 48600, Start Num: 11
Candidate Starts for King2_71:
(Start: 11 @48851 has 7 MA's), (15, 48728), (16, 48722), (19, 48710),

Gene: Orkz_4 Start: 2007, Stop: 2240, Start Num: 12
Candidate Starts for Orkz_4:
(Start: 12 @2007 has 1 MA's), (17, 2121), (20, 2163),

Gene: Swim_27 Start: 18933, Stop: 19175, Start Num: 11
Candidate Starts for Swim_27:
(9, 18885), (Start: 11 @18933 has 7 MA's), (17, 19059), (18, 19065), (21, 19167),

Gene: Tillums_28 Start: 19078, Stop: 19320, Start Num: 11
Candidate Starts for Tillums_28:
(Start: 11 @19078 has 7 MA's), (17, 19204), (21, 19312),