



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 4797 Report

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

Pham number 4797 has 20 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Kyva_71, Tissue_68, Grassboy_71
- Track 2 : Wayne3_70, Teehee_69, DonaldDuck_69, Phabia_68, Casend_69, Zhafia_72, Jehoshaphat_70, Rudy_66, Sillytadpoles_70, Judebell_69, Wheelie_68, Quammi_66, Viceroy_67, Llemily_69
- Track 3 : AluminumJesus_64
- Track 4 : Gazebo_67
- Track 5 : Mashley_68

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

The start number called the most often in the published annotations is 4, it was called in 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Casend_69, DonaldDuck_69, Gazebo_67, Grassboy_71, Jehoshaphat_70, Judebell_69, Kyva_71, Llemily_69, Mashley_68, Phabia_68, Quammi_66, Rudy_66, Sillytadpoles_70, Teehee_69, Tissue_68, Viceroy_67, Wayne3_70, Wheelie_68, Zhafia_72,

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

- AluminumJesus_64,

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

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Summary by start number:

Start 4:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 13
- Called 95.0% of time when present
- Phage (with cluster) where this start called: Casend_69 (EG), DonaldDuck_69 (EG), Gazebo_67 (EG), Grassboy_71 (EG), Jehoshaphat_70 (EG), Judebell_69 (EG), Kyva_71 (EG), Llemily_69 (EG), Mashley_68 (EG), Phabia_68 (EG), Quammi_66

(EG), Rudy_66 (EG), Sillytadpoles_70 (EG), Teehee_69 (EG), Tissue_68 (EG), Viceroy_67 (EG), Wayne3_70 (EG), Wheelie_68 (EG), Zhafia_72 (EG),

Start 5:

- Found in 2 of 20 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 50.0% of time when present
- Phage (with cluster) where this start called: AluminumJesus_64 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 4 was manually annotated 12 times for cluster EG.
- Start number 5 was manually annotated 1 time for cluster EG.

Gene Information:

Gene: AluminumJesus_64 Start: 44820, Stop: 44677, Start Num: 5

Candidate Starts for AluminumJesus_64:

(1, 45009), (3, 44940), (Start: 4 @44823 has 12 MA's), (Start: 5 @44820 has 1 MA's),

Gene: Casend_69 Start: 45935, Stop: 45789, Start Num: 4

Candidate Starts for Casend_69:

(2, 46079), (Start: 4 @45935 has 12 MA's),

Gene: DonaldDuck_69 Start: 45284, Stop: 45138, Start Num: 4

Candidate Starts for DonaldDuck_69:

(2, 45428), (Start: 4 @45284 has 12 MA's),

Gene: Gazebo_67 Start: 45771, Stop: 45625, Start Num: 4

Candidate Starts for Gazebo_67:

(1, 45957), (3, 45888), (Start: 4 @45771 has 12 MA's),

Gene: Grassboy_71 Start: 46378, Stop: 46232, Start Num: 4

Candidate Starts for Grassboy_71:

(Start: 4 @46378 has 12 MA's),

Gene: Jehoshaphat_70 Start: 46203, Stop: 46057, Start Num: 4

Candidate Starts for Jehoshaphat_70:

(2, 46347), (Start: 4 @46203 has 12 MA's),

Gene: Judebell_69 Start: 45384, Stop: 45238, Start Num: 4

Candidate Starts for Judebell_69:

(2, 45528), (Start: 4 @45384 has 12 MA's),

Gene: Kyva_71 Start: 46401, Stop: 46255, Start Num: 4

Candidate Starts for Kyva_71:

(Start: 4 @46401 has 12 MA's),

Gene: Llemily_69 Start: 44979, Stop: 44833, Start Num: 4

Candidate Starts for Llemily_69:

(2, 45123), (Start: 4 @44979 has 12 MA's),

Gene: Mashley_68 Start: 45824, Stop: 45678, Start Num: 4

Candidate Starts for Mashley_68:

(1, 46010), (3, 45941), (Start: 4 @45824 has 12 MA's), (Start: 5 @45821 has 1 MA's),

Gene: Phabia_68 Start: 45394, Stop: 45248, Start Num: 4

Candidate Starts for Phabia_68:

(2, 45538), (Start: 4 @45394 has 12 MA's),

Gene: Quammi_66 Start: 45094, Stop: 44948, Start Num: 4

Candidate Starts for Quammi_66:

(2, 45238), (Start: 4 @45094 has 12 MA's),

Gene: Rudy_66 Start: 45130, Stop: 44984, Start Num: 4

Candidate Starts for Rudy_66:

(2, 45274), (Start: 4 @45130 has 12 MA's),

Gene: Sillytadpoles_70 Start: 44967, Stop: 44821, Start Num: 4

Candidate Starts for Sillytadpoles_70:

(2, 45111), (Start: 4 @44967 has 12 MA's),

Gene: Teehee_69 Start: 46200, Stop: 46054, Start Num: 4

Candidate Starts for Teehee_69:

(2, 46344), (Start: 4 @46200 has 12 MA's),

Gene: Tissue_68 Start: 46008, Stop: 45862, Start Num: 4

Candidate Starts for Tissue_68:

(Start: 4 @46008 has 12 MA's),

Gene: Viceroy_67 Start: 45100, Stop: 44954, Start Num: 4

Candidate Starts for Viceroy_67:

(2, 45244), (Start: 4 @45100 has 12 MA's),

Gene: Wayne3_70 Start: 45963, Stop: 45817, Start Num: 4

Candidate Starts for Wayne3_70:

(2, 46107), (Start: 4 @45963 has 12 MA's),

Gene: Wheelie_68 Start: 45284, Stop: 45138, Start Num: 4

Candidate Starts for Wheelie_68:

(2, 45428), (Start: 4 @45284 has 12 MA's),

Gene: Zhafia_72 Start: 45764, Stop: 45618, Start Num: 4

Candidate Starts for Zhafia_72:

(2, 45908), (Start: 4 @45764 has 12 MA's),