



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 4963 Report

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

Pham number 4963 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Wheezy_92, KidneyBean_92, Arti_90, Tracker_93
- Track 2 : NatB6_93, Foxboro_92, Kurt_95, Jifall16_93, NovumRegina_92, Emianna_95, Phomeo_93, GrootJr_94

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Emianna_95, Foxboro_92, GrootJr_94, Jifall16_93, Kurt_95, NatB6_93, NovumRegina_92, Phomeo_93,

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:

- Arti_90, KidneyBean_92, Tracker_93, Wheezy_92,

Summary by start number:

Start 1:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 4 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arti_90 (CR2), KidneyBean_92 (CR2), Tracker_93 (CR2), Wheezy_92 (CR2),

Start 2:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 7 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Emianna_95 (CR2), Foxboro_92 (CR2), GrootJr_94 (CR2), Jifall16_93 (CR2), Kurt_95 (CR2), NatB6_93 (CR2),

NovumRegina_92 (CR2), Phomeo_93 (CR2),

Summary by clusters:

There is one cluster represented in this pham: CR2

Info for manual annotations of cluster CR2:

- Start number 1 was manually annotated 4 times for cluster CR2.
- Start number 2 was manually annotated 7 times for cluster CR2.

Gene Information:

Gene: Arti_90 Start: 66161, Stop: 66376, Start Num: 1

Candidate Starts for Arti_90:

(Start: 1 @66161 has 4 MA's), (3, 66209),

Gene: Emianna_95 Start: 67812, Stop: 68027, Start Num: 2

Candidate Starts for Emianna_95:

(Start: 2 @67812 has 7 MA's), (3, 67860),

Gene: Foxboro_92 Start: 67395, Stop: 67610, Start Num: 2

Candidate Starts for Foxboro_92:

(Start: 2 @67395 has 7 MA's), (3, 67443),

Gene: GrootJr_94 Start: 66798, Stop: 67013, Start Num: 2

Candidate Starts for GrootJr_94:

(Start: 2 @66798 has 7 MA's), (3, 66846),

Gene: Jifall16_93 Start: 67092, Stop: 67307, Start Num: 2

Candidate Starts for Jifall16_93:

(Start: 2 @67092 has 7 MA's), (3, 67140),

Gene: KidneyBean_92 Start: 67424, Stop: 67639, Start Num: 1

Candidate Starts for KidneyBean_92:

(Start: 1 @67424 has 4 MA's), (3, 67472),

Gene: Kurt_95 Start: 67827, Stop: 68042, Start Num: 2

Candidate Starts for Kurt_95:

(Start: 2 @67827 has 7 MA's), (3, 67875),

Gene: NatB6_93 Start: 66703, Stop: 66918, Start Num: 2

Candidate Starts for NatB6_93:

(Start: 2 @66703 has 7 MA's), (3, 66751),

Gene: NovumRegina_92 Start: 66797, Stop: 67012, Start Num: 2

Candidate Starts for NovumRegina_92:

(Start: 2 @66797 has 7 MA's), (3, 66845),

Gene: Phomeo_93 Start: 67080, Stop: 67295, Start Num: 2

Candidate Starts for Phomeo_93:

(Start: 2 @67080 has 7 MA's), (3, 67128),

Gene: Tracker_93 Start: 66229, Stop: 66444, Start Num: 1
Candidate Starts for Tracker_93:
(Start: 1 @66229 has 4 MA's), (3, 66277),

Gene: Wheezy_92 Start: 66642, Stop: 66857, Start Num: 1
Candidate Starts for Wheezy_92:
(Start: 1 @66642 has 4 MA's), (3, 66690),