



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 162460 Report

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

Pham number 162460 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Maselop_55, CoffeeBean_56
- Track 2 : MacGully_62
- Track 3 : Braxoaddie_55, Polyuyuki_55
- Track 4 : Apiary_55
- Track 5 : GuyFagieri_54

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 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Apiary_55, Braxoaddie_55, MacGully_62, Polyuyuki_55,

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

- CoffeeBean_56, GuyFagieri_54, Maselop_55,

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

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Summary by start number:

Start 1:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Apiary_55 (CR), Braxoaddie_55 (CR), MacGully_62 (CR), Polyuyuki_55 (CR),

Start 2:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 50.0% of time when present

- Phage (with cluster) where this start called: CoffeeBean_56 (CR), GuyFagieri_54 (CR), Maselop_55 (CR),

Summary by clusters:

There is one cluster represented in this pham: CR

Info for manual annotations of cluster CR:

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

Gene Information:

Gene: Apiary_55 Start: 40819, Stop: 40559, Start Num: 1

Candidate Starts for Apiary_55:

(Start: 1 @40819 has 4 MA's), (Start: 2 @40801 has 2 MA's), (3, 40786), (5, 40615),

Gene: Braxoaddie_55 Start: 40808, Stop: 40548, Start Num: 1

Candidate Starts for Braxoaddie_55:

(Start: 1 @40808 has 4 MA's), (Start: 2 @40790 has 2 MA's), (3, 40775), (6, 40571),

Gene: CoffeeBean_56 Start: 40748, Stop: 40506, Start Num: 2

Candidate Starts for CoffeeBean_56:

(Start: 1 @40766 has 4 MA's), (Start: 2 @40748 has 2 MA's), (3, 40733), (6, 40529),

Gene: GuyFagieri_54 Start: 40982, Stop: 40740, Start Num: 2

Candidate Starts for GuyFagieri_54:

(Start: 1 @41000 has 4 MA's), (Start: 2 @40982 has 2 MA's), (3, 40967), (4, 40808), (5, 40796),

Gene: MacGully_62 Start: 43076, Stop: 42810, Start Num: 1

Candidate Starts for MacGully_62:

(Start: 1 @43076 has 4 MA's),

Gene: Maselop_55 Start: 40824, Stop: 40582, Start Num: 2

Candidate Starts for Maselop_55:

(Start: 1 @40842 has 4 MA's), (Start: 2 @40824 has 2 MA's), (3, 40809), (6, 40605),

Gene: Polyzuki_55 Start: 40831, Stop: 40571, Start Num: 1

Candidate Starts for Polyzuki_55:

(Start: 1 @40831 has 4 MA's), (Start: 2 @40813 has 2 MA's), (3, 40798), (6, 40594),