



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 159534 Report

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

Pham number 159534 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Twister6_67
- Track 2 : Fugax_68, ClamChowder_67, Barb_67
- Track 3 : YungMoney_65, Mutzi_64
- Track 4 : Danyall_66, Arri_66
- Track 5 : VanDeWege_67, Nubi_65
- Track 6 : Shinji_64, Valary_66

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_66, Barb_67, ClamChowder_67, Danyall_66, Fugax_68, Mutzi_64, Nubi_65, Shinji_64, Twister6_67, Valary_66, VanDeWege_67, YungMoney_65,

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 2:

- Found in 12 of 12 (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: Arri_66 (DC1), Barb_67 (DC1), ClamChowder_67 (DC1), Danyall_66 (DC1), Fugax_68 (DC1), Mutzi_64 (DC1), Nubi_65 (DC1), Shinji_64 (DC1), Twister6_67 (DC1), Valary_66 (DC1), VanDeWege_67 (DC1), YungMoney_65 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:

•Start number 2 was manually annotated 11 times for cluster DC1.

Gene Information:

Gene: Arri_66 Start: 48239, Stop: 48718, Start Num: 2

Candidate Starts for Arri_66:

(1, 48170), (Start: 2 @48239 has 11 MA's), (3, 48254), (4, 48257), (10, 48467), (11, 48581), (12, 48689),

Gene: Barb_67 Start: 48116, Stop: 48577, Start Num: 2

Candidate Starts for Barb_67:

(1, 48050), (Start: 2 @48116 has 11 MA's), (3, 48131), (4, 48134), (9, 48338),

Gene: ClamChowder_67 Start: 48116, Stop: 48577, Start Num: 2

Candidate Starts for ClamChowder_67:

(1, 48050), (Start: 2 @48116 has 11 MA's), (3, 48131), (4, 48134), (9, 48338),

Gene: Danyall_66 Start: 48207, Stop: 48686, Start Num: 2

Candidate Starts for Danyall_66:

(1, 48138), (Start: 2 @48207 has 11 MA's), (3, 48222), (4, 48225), (10, 48435), (11, 48549), (12, 48657),

Gene: Fugax_68 Start: 48108, Stop: 48569, Start Num: 2

Candidate Starts for Fugax_68:

(1, 48042), (Start: 2 @48108 has 11 MA's), (3, 48123), (4, 48126), (9, 48330),

Gene: Mutzi_64 Start: 49385, Stop: 49894, Start Num: 2

Candidate Starts for Mutzi_64:

(1, 49316), (Start: 2 @49385 has 11 MA's), (4, 49421), (7, 49532), (11, 49757), (12, 49865),

Gene: Nubi_65 Start: 47759, Stop: 48346, Start Num: 2

Candidate Starts for Nubi_65:

(1, 47693), (Start: 2 @47759 has 11 MA's), (4, 47795), (7, 47906), (8, 47930),

Gene: Shinji_64 Start: 47822, Stop: 48247, Start Num: 2

Candidate Starts for Shinji_64:

(1, 47756), (Start: 2 @47822 has 11 MA's), (3, 47837), (4, 47840), (9, 48044), (10, 48050),

Gene: Twister6_67 Start: 48010, Stop: 48489, Start Num: 2

Candidate Starts for Twister6_67:

(1, 47941), (Start: 2 @48010 has 11 MA's), (3, 48025), (4, 48028), (5, 48091), (6, 48118), (10, 48238), (11, 48352), (12, 48460),

Gene: Valary_66 Start: 48860, Stop: 49285, Start Num: 2

Candidate Starts for Valary_66:

(1, 48794), (Start: 2 @48860 has 11 MA's), (3, 48875), (4, 48878), (9, 49082), (10, 49088),

Gene: VanDeWege_67 Start: 48194, Stop: 48781, Start Num: 2

Candidate Starts for VanDeWege_67:

(1, 48128), (Start: 2 @48194 has 11 MA's), (4, 48230), (7, 48341), (8, 48365),

Gene: YungMoney_65 Start: 50225, Stop: 50734, Start Num: 2

Candidate Starts for YungMoney_65:

(1, 50156), (Start: 2 @50225 has 11 MA's), (4, 50261), (7, 50372), (11, 50597), (12, 50705),