



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 155064 Report

This analysis was run 04/22/24 on database version 561.

Pham number 155064 has 18 members, 3 are drafts.

Phages represented in each track:

- Track 1 : MsGreen_25, Ellson_25, Snenia_25, Samty_25, Jobypre_25, Jubie_25, Clautastrophe_25, Bellis_25, Kingsolomon_25, Lumos_25, Finnry_25, Moostard_25, DuncansLeg_25, Nicholas_25
- Track 2 : MiniLon_25, MiniMac_25, Lolly9_25, Krypton555_25

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bellis_25, Clautastrophe_25, DuncansLeg_25, Ellson_25, Finnry_25, Jobypre_25, Jubie_25, Kingsolomon_25, Krypton555_25, Lolly9_25, Lumos_25, MiniLon_25, MiniMac_25, Moostard_25, MsGreen_25, Nicholas_25, Samty_25, Snenia_25,

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 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bellis_25 (L3), Clautastrophe_25 (L3), DuncansLeg_25 (L3), Ellson_25 (L3), Finnry_25 (L3), Jobypre_25 (L3), Jubie_25 (L3), Kingsolomon_25 (L3), Krypton555_25 (L3), Lolly9_25 (L3), Lumos_25 (L3), MiniLon_25 (L3), MiniMac_25 (L3), Moostard_25 (L3), MsGreen_25 (L3), Nicholas_25 (L3), Samty_25 (L3), Snenia_25 (L3),

Summary by clusters:

There is one cluster represented in this pham: L3

Info for manual annotations of cluster L3:

•Start number 2 was manually annotated 15 times for cluster L3.

Gene Information:

Gene: Bellis_25 Start: 24858, Stop: 24965, Start Num: 2

Candidate Starts for Bellis_25:

(Start: 2 @24858 has 15 MA's), (3, 24882), (4, 24897), (5, 24918),

Gene: Clautastrophe_25 Start: 24855, Stop: 24962, Start Num: 2

Candidate Starts for Clautastrophe_25:

(Start: 2 @24855 has 15 MA's), (3, 24879), (4, 24894), (5, 24915),

Gene: DuncansLeg_25 Start: 24838, Stop: 24945, Start Num: 2

Candidate Starts for DuncansLeg_25:

(Start: 2 @24838 has 15 MA's), (3, 24862), (4, 24877), (5, 24898),

Gene: Ellson_25 Start: 24825, Stop: 24932, Start Num: 2

Candidate Starts for Ellson_25:

(Start: 2 @24825 has 15 MA's), (3, 24849), (4, 24864), (5, 24885),

Gene: Finnry_25 Start: 24859, Stop: 24966, Start Num: 2

Candidate Starts for Finnry_25:

(Start: 2 @24859 has 15 MA's), (3, 24883), (4, 24898), (5, 24919),

Gene: Jobypre_25 Start: 24855, Stop: 24962, Start Num: 2

Candidate Starts for Jobypre_25:

(Start: 2 @24855 has 15 MA's), (3, 24879), (4, 24894), (5, 24915),

Gene: Jubie_25 Start: 24856, Stop: 24963, Start Num: 2

Candidate Starts for Jubie_25:

(Start: 2 @24856 has 15 MA's), (3, 24880), (4, 24895), (5, 24916),

Gene: Kingsolomon_25 Start: 24855, Stop: 24962, Start Num: 2

Candidate Starts for Kingsolomon_25:

(Start: 2 @24855 has 15 MA's), (3, 24879), (4, 24894), (5, 24915),

Gene: Krypton555_25 Start: 24759, Stop: 24866, Start Num: 2

Candidate Starts for Krypton555_25:

(1, 24696), (Start: 2 @24759 has 15 MA's), (3, 24783), (4, 24798), (5, 24819),

Gene: Lolly9_25 Start: 24634, Stop: 24741, Start Num: 2

Candidate Starts for Lolly9_25:

(1, 24571), (Start: 2 @24634 has 15 MA's), (3, 24658), (4, 24673), (5, 24694),

Gene: Lumos_25 Start: 24852, Stop: 24959, Start Num: 2

Candidate Starts for Lumos_25:

(Start: 2 @24852 has 15 MA's), (3, 24876), (4, 24891), (5, 24912),

Gene: MiniLon_25 Start: 24634, Stop: 24741, Start Num: 2
Candidate Starts for MiniLon_25:
(1, 24571), (Start: 2 @24634 has 15 MA's), (3, 24658), (4, 24673), (5, 24694),

Gene: MiniMac_25 Start: 24635, Stop: 24742, Start Num: 2
Candidate Starts for MiniMac_25:
(1, 24572), (Start: 2 @24635 has 15 MA's), (3, 24659), (4, 24674), (5, 24695),

Gene: Moostard_25 Start: 24858, Stop: 24965, Start Num: 2
Candidate Starts for Moostard_25:
(Start: 2 @24858 has 15 MA's), (3, 24882), (4, 24897), (5, 24918),

Gene: MsGreen_25 Start: 24855, Stop: 24962, Start Num: 2
Candidate Starts for MsGreen_25:
(Start: 2 @24855 has 15 MA's), (3, 24879), (4, 24894), (5, 24915),

Gene: Nicholas_25 Start: 24855, Stop: 24962, Start Num: 2
Candidate Starts for Nicholas_25:
(Start: 2 @24855 has 15 MA's), (3, 24879), (4, 24894), (5, 24915),

Gene: Samty_25 Start: 24858, Stop: 24965, Start Num: 2
Candidate Starts for Samty_25:
(Start: 2 @24858 has 15 MA's), (3, 24882), (4, 24897), (5, 24918),

Gene: Snenia_25 Start: 24856, Stop: 24963, Start Num: 2
Candidate Starts for Snenia_25:
(Start: 2 @24856 has 15 MA's), (3, 24880), (4, 24895), (5, 24916),