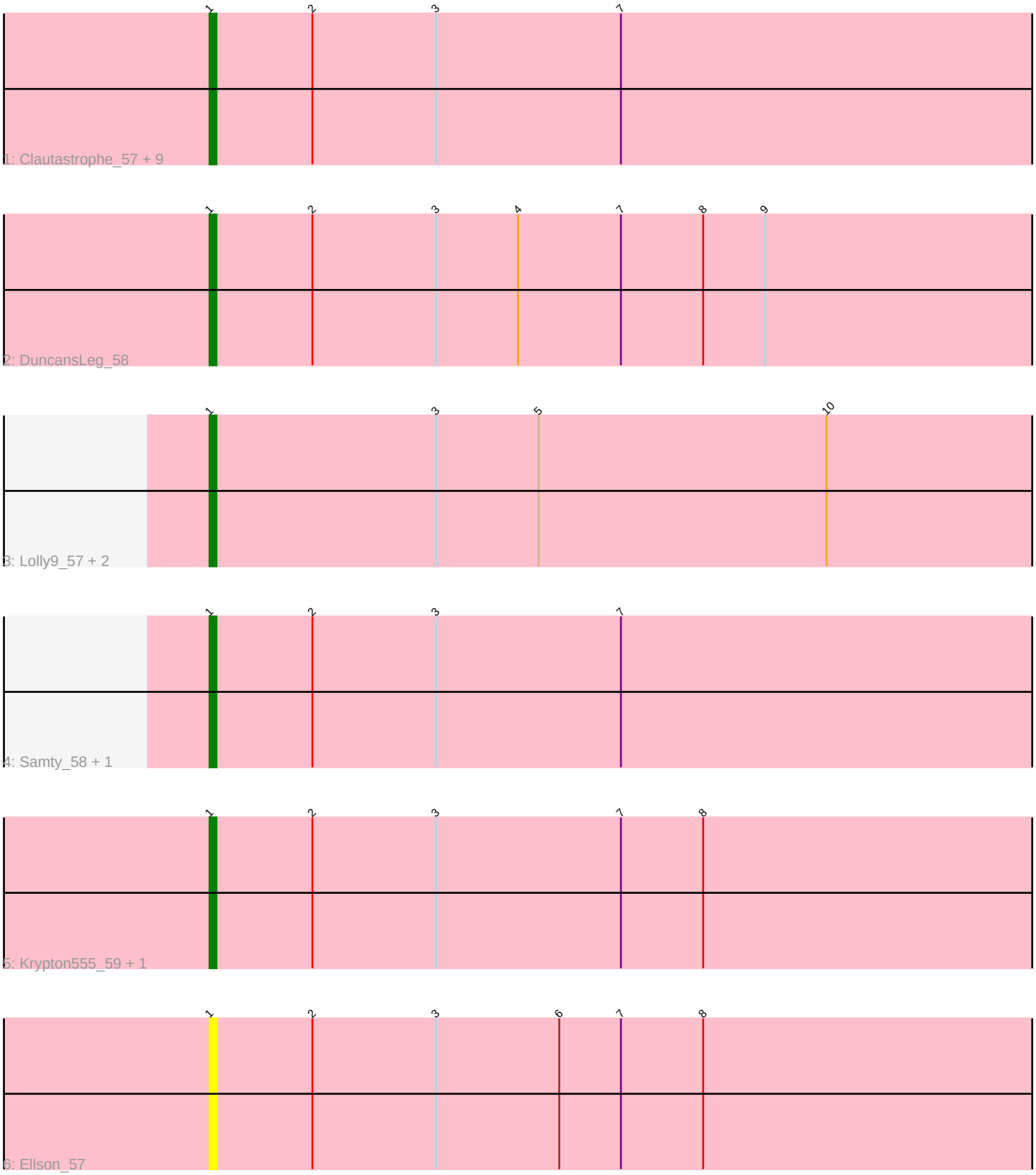
Pham 86862


1
2
3
7
1: Clautastrophe_57 + 9
1
2
3
4
7
8
9
2: DuncansLeg_58
1
3
5
10
3: Lolly9_57 + 2
1
2
3
7
4: Samty_58 + 1
1
2
3
7
8
5: Krypton555_59 + 1
1
2
3
6
7
8
6: Ellson_57

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 86862 Report

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

Pham number 86862 has 19 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Clautastrophe_57, Jobypre_58, Kingsolomon_57, MsGreen_58, Moostard_57, Lumos_59, Snenia_57, Bellis_57, Jubie_57, Nicholas_57
• Track 2 : DuncansLeg_58
• Track 3 : Lolly9_57, MiniMac_61, MiniLon_61
• Track 4 : Samty_58, Finnry_58
• Track 5 : Krypton555_59, Whirlwind_58
• Track 6 : Ellson_57

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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bellis_57, Clautastrophe_57, DuncansLeg_58, Ellson_57, Finnry_58, Jobypre_58, Jubie_57, Kingsolomon_57, Krypton555_59, Lolly9_57, Lumos_59, MiniLon_61, MiniMac_61, Moostard_57, MsGreen_58, Nicholas_57, Samty_58, Snenia_57, Whirlwind_58,

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 1:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bellis_57 (L3), Clautastrophe_57 (L3), DuncansLeg_58 (L3), Ellson_57 (L3), Finnry_58 (L3), Jobypre_58 (L3), Jubie_57 (L3), Kingsolomon_57 (L3), Krypton555_59 (L3), Lolly9_57 (L3), Lumos_59 (L3),

MiniLon_61 (L3), MiniMac_61 (L3), Moostard_57 (L3), MsGreen_58 (L3), Nicholas_57 (L3), Samty_58 (L3), Snenia_57 (L3), Whirlwind_58 (L3),

Summary by clusters:

There is one cluster represented in this pham: L3

Info for manual annotations of cluster L3:
•Start number 1 was manually annotated 16 times for cluster L3.

Gene Information:

Gene: Bellis_57 Start: 43290, Stop: 43442, Start Num: 1
Candidate Starts for Bellis_57:
(Start: 1 @43290 has 16 MA's), (2, 43305), (3, 43323), (7, 43350),

Gene: Clautastrophe_57 Start: 43287, Stop: 43439, Start Num: 1
Candidate Starts for Clautastrophe_57:
(Start: 1 @43287 has 16 MA's), (2, 43302), (3, 43320), (7, 43347),

Gene: DuncansLeg_58 Start: 43326, Stop: 43478, Start Num: 1
Candidate Starts for DuncansLeg_58:
(Start: 1 @43326 has 16 MA's), (2, 43341), (3, 43359), (4, 43371), (7, 43386), (8, 43398), (9, 43407),

Gene: Ellson_57 Start: 43351, Stop: 43503, Start Num: 1
Candidate Starts for Ellson_57:
(Start: 1 @43351 has 16 MA's), (2, 43366), (3, 43384), (6, 43402), (7, 43411), (8, 43423),

Gene: Finnry_58 Start: 43551, Stop: 43703, Start Num: 1
Candidate Starts for Finnry_58:
(Start: 1 @43551 has 16 MA's), (2, 43566), (3, 43584), (7, 43611),

Gene: Jobypre_58 Start: 43287, Stop: 43439, Start Num: 1
Candidate Starts for Jobypre_58:
(Start: 1 @43287 has 16 MA's), (2, 43302), (3, 43320), (7, 43347),

Gene: Jubie_57 Start: 43422, Stop: 43574, Start Num: 1
Candidate Starts for Jubie_57:
(Start: 1 @43422 has 16 MA's), (2, 43437), (3, 43455), (7, 43482),

Gene: Kingsolomon_57 Start: 43294, Stop: 43446, Start Num: 1
Candidate Starts for Kingsolomon_57:
(Start: 1 @43294 has 16 MA's), (2, 43309), (3, 43327), (7, 43354),

Gene: Krypton555_59 Start: 43519, Stop: 43671, Start Num: 1
Candidate Starts for Krypton555_59:
(Start: 1 @43519 has 16 MA's), (2, 43534), (3, 43552), (7, 43579), (8, 43591),

Gene: Lolly9_57 Start: 43112, Stop: 43264, Start Num: 1
Candidate Starts for Lolly9_57:
(Start: 1 @43112 has 16 MA's), (3, 43145), (5, 43160), (10, 43202),

Gene: Lumos_59 Start: 43284, Stop: 43436, Start Num: 1
Candidate Starts for Lumos_59:
(Start: 1 @43284 has 16 MA's), (2, 43299), (3, 43317), (7, 43344),

Gene: MiniLon_61 Start: 43113, Stop: 43265, Start Num: 1
Candidate Starts for MiniLon_61:
(Start: 1 @43113 has 16 MA's), (3, 43146), (5, 43161), (10, 43203),

Gene: MiniMac_61 Start: 43111, Stop: 43263, Start Num: 1
Candidate Starts for MiniMac_61:
(Start: 1 @43111 has 16 MA's), (3, 43144), (5, 43159), (10, 43201),

Gene: Moostard_57 Start: 43290, Stop: 43442, Start Num: 1
Candidate Starts for Moostard_57:
(Start: 1 @43290 has 16 MA's), (2, 43305), (3, 43323), (7, 43350),

Gene: MsGreen_58 Start: 43287, Stop: 43439, Start Num: 1
Candidate Starts for MsGreen_58:
(Start: 1 @43287 has 16 MA's), (2, 43302), (3, 43320), (7, 43347),

Gene: Nicholas_57 Start: 43294, Stop: 43446, Start Num: 1
Candidate Starts for Nicholas_57:
(Start: 1 @43294 has 16 MA's), (2, 43309), (3, 43327), (7, 43354),

Gene: Samty_58 Start: 43295, Stop: 43447, Start Num: 1
Candidate Starts for Samty_58:
(Start: 1 @43295 has 16 MA's), (2, 43310), (3, 43328), (7, 43355),

Gene: Snenia_57 Start: 43288, Stop: 43440, Start Num: 1
Candidate Starts for Snenia_57:
(Start: 1 @43288 has 16 MA's), (2, 43303), (3, 43321), (7, 43348),

Gene: Whirlwind_58 Start: 43105, Stop: 43257, Start Num: 1
Candidate Starts for Whirlwind_58:
(Start: 1 @43105 has 16 MA's), (2, 43120), (3, 43138), (7, 43165), (8, 43177),