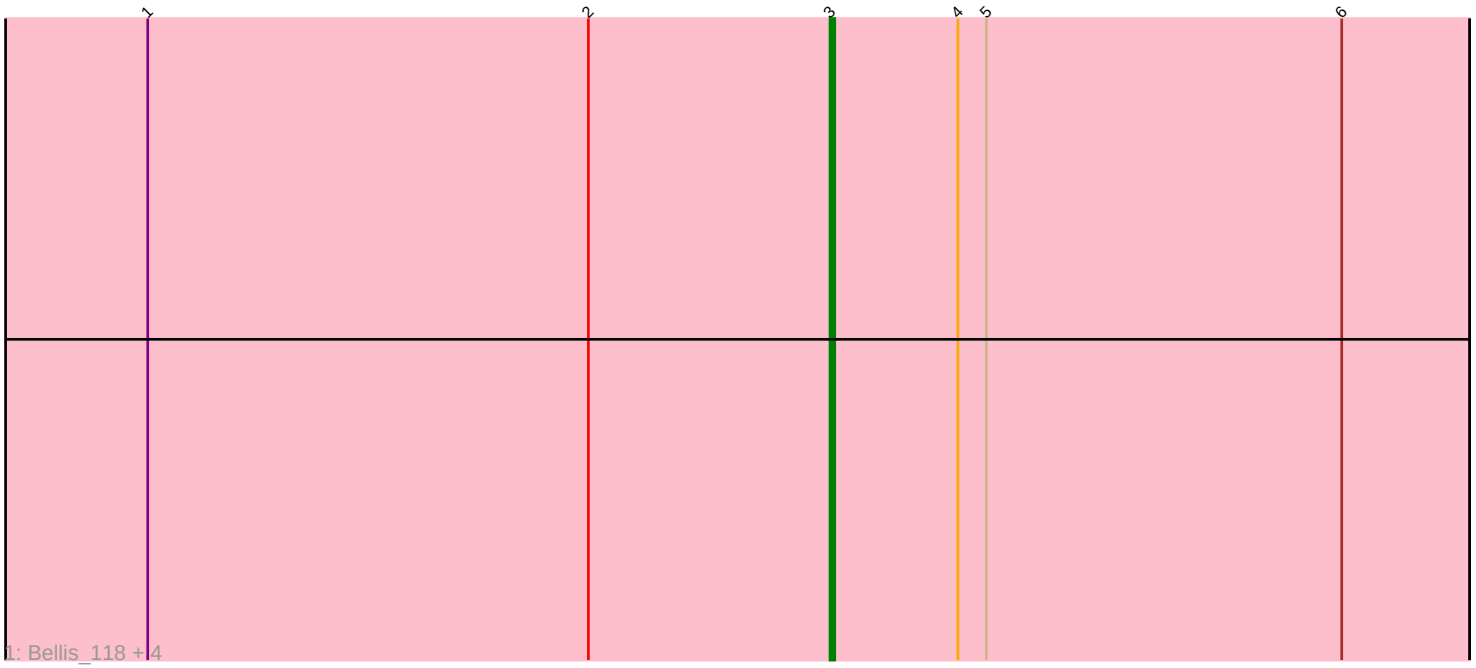
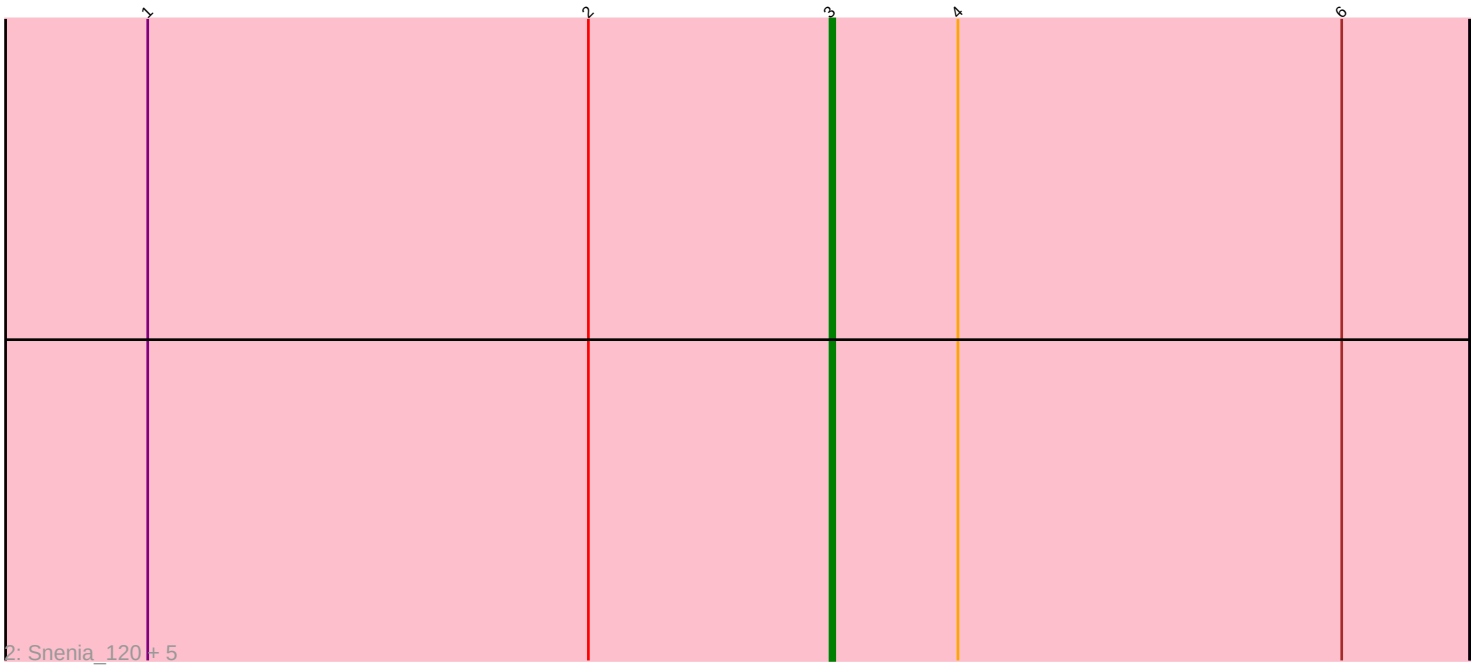
Pham 87530





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 87530 Report

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

Pham number 87530 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Bellis_118, Nicholas_117, Samty_119, Finnry_119, Kingsolomon_117
• Track 2 : Snenia_120, Jubie_121, Lumos_121, Clautastrophe_120, Jobypre_122, MsGreen_122

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bellis_118, Clautastrophe_120, Finnry_119, Jobypre_122, Jubie_121, Kingsolomon_117, Lumos_121, MsGreen_122, Nicholas_117, Samty_119, Snenia_120,

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 3:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bellis_118 (L3), Clautastrophe_120 (L3), Finnry_119 (L3), Jobypre_122 (L3), Jubie_121 (L3), Kingsolomon_117 (L3), Lumos_121 (L3), MsGreen_122 (L3), Nicholas_117 (L3), Samty_119 (L3), Snenia_120 (L3),

Summary by clusters:

There is one cluster represented in this pham: L3

Info for manual annotations of cluster L3:
•Start number 3 was manually annotated 9 times for cluster L3.

Gene Information:

Gene: Bellis_118 Start: 66751, Stop: 66617, Start Num: 3
Candidate Starts for Bellis_118:
(1, 66895), (2, 66802), (Start: 3 @66751 has 9 MA's), (4, 66724), (5, 66718), (6, 66643),

Gene: Clautastrophe_120 Start: 66861, Stop: 66727, Start Num: 3
Candidate Starts for Clautastrophe_120:
(1, 67005), (2, 66912), (Start: 3 @66861 has 9 MA's), (4, 66834), (6, 66753),

Gene: Finnry_119 Start: 67099, Stop: 66965, Start Num: 3
Candidate Starts for Finnry_119:
(1, 67243), (2, 67150), (Start: 3 @67099 has 9 MA's), (4, 67072), (5, 67066), (6, 66991),

Gene: Jobypre_122 Start: 66859, Stop: 66725, Start Num: 3
Candidate Starts for Jobypre_122:
(1, 67003), (2, 66910), (Start: 3 @66859 has 9 MA's), (4, 66832), (6, 66751),

Gene: Jubie_121 Start: 66994, Stop: 66860, Start Num: 3
Candidate Starts for Jubie_121:
(1, 67138), (2, 67045), (Start: 3 @66994 has 9 MA's), (4, 66967), (6, 66886),

Gene: Kingsolomon_117 Start: 66855, Stop: 66721, Start Num: 3
Candidate Starts for Kingsolomon_117:
(1, 66999), (2, 66906), (Start: 3 @66855 has 9 MA's), (4, 66828), (5, 66822), (6, 66747),

Gene: Lumos_121 Start: 66856, Stop: 66722, Start Num: 3
Candidate Starts for Lumos_121:
(1, 67000), (2, 66907), (Start: 3 @66856 has 9 MA's), (4, 66829), (6, 66748),

Gene: MsGreen_122 Start: 66858, Stop: 66724, Start Num: 3
Candidate Starts for MsGreen_122:
(1, 67002), (2, 66909), (Start: 3 @66858 has 9 MA's), (4, 66831), (6, 66750),

Gene: Nicholas_117 Start: 66855, Stop: 66721, Start Num: 3
Candidate Starts for Nicholas_117:
(1, 66999), (2, 66906), (Start: 3 @66855 has 9 MA's), (4, 66828), (5, 66822), (6, 66747),

Gene: Samty_119 Start: 66842, Stop: 66708, Start Num: 3
Candidate Starts for Samty_119:
(1, 66986), (2, 66893), (Start: 3 @66842 has 9 MA's), (4, 66815), (5, 66809), (6, 66734),

Gene: Snenia_120 Start: 66860, Stop: 66726, Start Num: 3
Candidate Starts for Snenia_120:
(1, 67004), (2, 66911), (Start: 3 @66860 has 9 MA's), (4, 66833), (6, 66752),