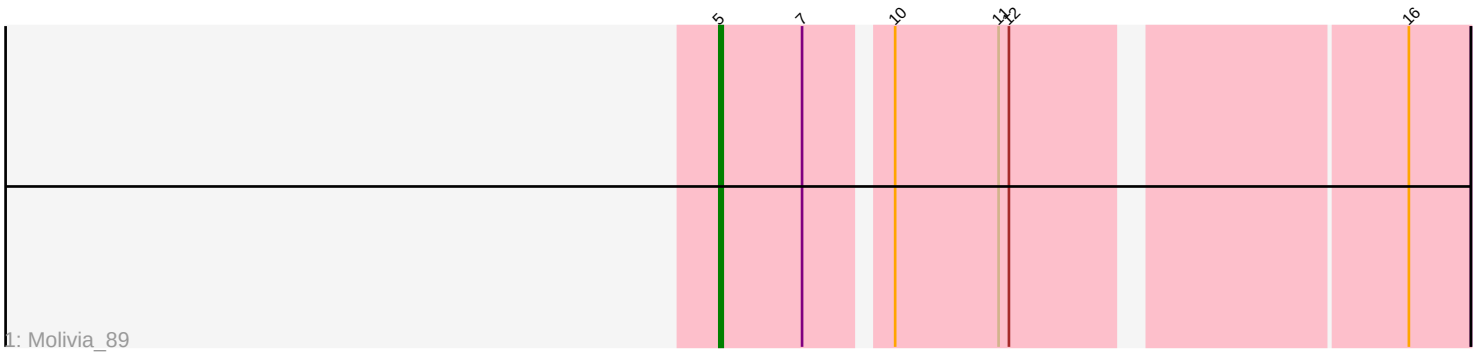
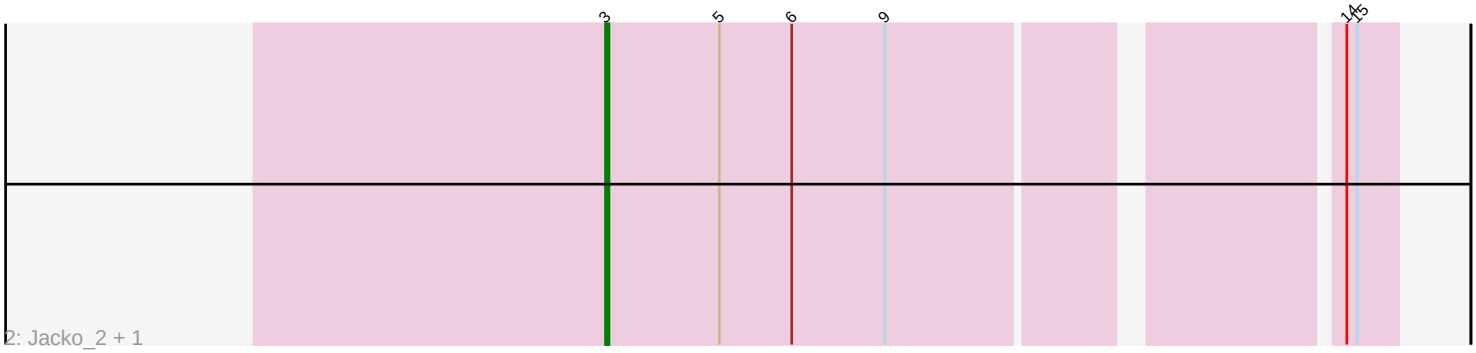
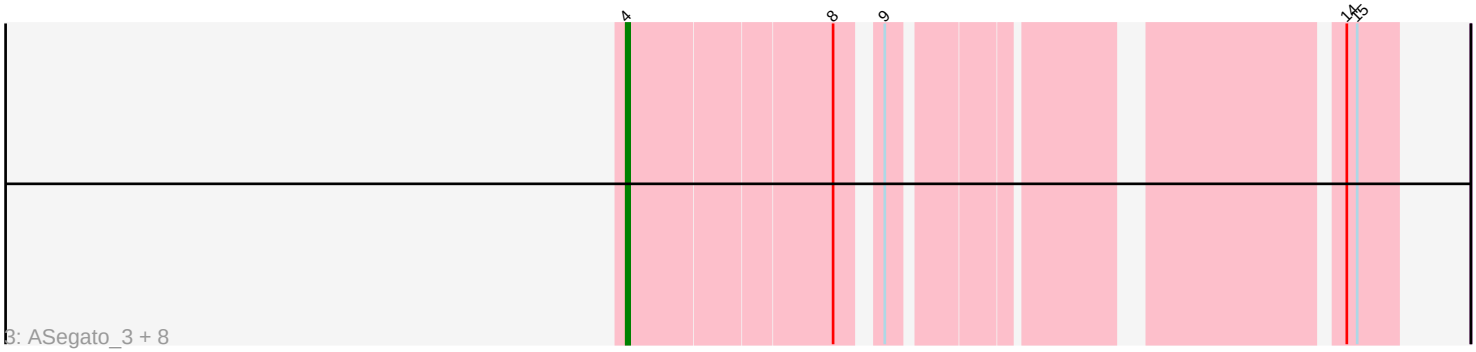
Pham 198511


5
7
10
11
12
16
1: Molivia_89


3
5
6
9
14
15
2: Jacko_2 + 1


4
8
9
14
15
3: ASegato_3 + 8


1
2
13
4: Mufasa8_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 198511 Report

This analysis was run 01/18/25 on database version 583.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 198511 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Molivia_89
• Track 2 : Jacko_2, Jacko_111
• Track 3 : ASegato_3, DustyDino_3, ASegato_117, Yuma_3, Necrophoxinus_119, StevieWelch_3, StevieWelch_121, DustyDino_121, Necrophoxinus_3
• Track 4 : Mufasa8_57

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

The start number called the most often in the published annotations is 4, it was called in 9 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_117, ASegato_3, DustyDino_121, DustyDino_3, Necrophoxinus_119, Necrophoxinus_3, StevieWelch_121, StevieWelch_3, Yuma_3,

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

Genes that do not have the "Most Annotated" start:
• Jacko_111, Jacko_2, Molivia_89, Mufasa8_57,

Summary by start number:

Start 2:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mufasa8_57 (FG),

Start 3:

• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jacko_111 (ED1), Jacko_2 (ED1),

Start 4:
• Found in 9 of 13 (69.2%) of genes in pham
• Manual Annotations of this start: 9 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_117 (ED2), ASegato_3 (ED2), DustyDino_121 (ED2), DustyDino_3 (ED2), Necrophoxinus_119 (ED2), Necrophoxinus_3 (ED2), StevieWelch_121 (ED2), StevieWelch_3 (ED2), Yuma_3 (ED2),

Start 5:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Molivia_89 (AQ),

Summary by clusters:

There are 4 clusters represented in this pham: ED2, AQ, ED1, FG,

Info for manual annotations of cluster AQ:
•Start number 5 was manually annotated 1 time for cluster AQ.

Info for manual annotations of cluster ED1:
•Start number 3 was manually annotated 2 times for cluster ED1.

Info for manual annotations of cluster ED2:
•Start number 4 was manually annotated 9 times for cluster ED2.

Info for manual annotations of cluster FG:
•Start number 2 was manually annotated 1 time for cluster FG.

Gene Information:

Gene: ASegato_3 Start: 811, Stop: 620, Start Num: 4
Candidate Starts for ASegato_3:
(Start: 4 @811 has 9 MA's), (8, 754), (9, 745), (14, 634), (15, 631),

Gene: ASegato_117 Start: 60260, Stop: 60069, Start Num: 4
Candidate Starts for ASegato_117:
(Start: 4 @60260 has 9 MA's), (8, 60203), (9, 60194), (14, 60083), (15, 60080),

Gene: DustyDino_3 Start: 814, Stop: 623, Start Num: 4
Candidate Starts for DustyDino_3:
(Start: 4 @814 has 9 MA's), (8, 757), (9, 748), (14, 637), (15, 634),

Gene: DustyDino_121 Start: 60904, Stop: 60713, Start Num: 4

Candidate Starts for DustyDino_121:
(Start: 4 @60904 has 9 MA's), (8, 60847), (9, 60838), (14, 60727), (15, 60724),

Gene: Jacko_2 Start: 778, Stop: 566, Start Num: 3
Candidate Starts for Jacko_2:
(Start: 3 @778 has 2 MA's), (Start: 5 @745 has 1 MA's), (6, 724), (9, 697), (14, 580), (15, 577),

Gene: Jacko_111 Start: 59171, Stop: 58959, Start Num: 3
Candidate Starts for Jacko_111:
(Start: 3 @59171 has 2 MA's), (Start: 5 @59138 has 1 MA's), (6, 59117), (9, 59090), (14, 58973), (15, 58970),

Gene: Molivia_89 Start: 52760, Stop: 52960, Start Num: 5
Candidate Starts for Molivia_89:
(Start: 5 @52760 has 1 MA's), (7, 52784), (10, 52805), (11, 52835), (12, 52838), (16, 52943),

Gene: Mufasa8_57 Start: 40688, Stop: 40951, Start Num: 2
Candidate Starts for Mufasa8_57:
(1, 40532), (Start: 2 @40688 has 1 MA's), (13, 40862),

Gene: Necrophoxinus_119 Start: 60960, Stop: 60769, Start Num: 4
Candidate Starts for Necrophoxinus_119:
(Start: 4 @60960 has 9 MA's), (8, 60903), (9, 60894), (14, 60783), (15, 60780),

Gene: Necrophoxinus_3 Start: 717, Stop: 526, Start Num: 4
Candidate Starts for Necrophoxinus_3:
(Start: 4 @717 has 9 MA's), (8, 660), (9, 651), (14, 540), (15, 537),

Gene: StevieWelch_3 Start: 709, Stop: 518, Start Num: 4
Candidate Starts for StevieWelch_3:
(Start: 4 @709 has 9 MA's), (8, 652), (9, 643), (14, 532), (15, 529),

Gene: StevieWelch_121 Start: 60955, Stop: 60764, Start Num: 4
Candidate Starts for StevieWelch_121:
(Start: 4 @60955 has 9 MA's), (8, 60898), (9, 60889), (14, 60778), (15, 60775),

Gene: Yuma_3 Start: 720, Stop: 529, Start Num: 4
Candidate Starts for Yuma_3:
(Start: 4 @720 has 9 MA's), (8, 663), (9, 654), (14, 543), (15, 540),