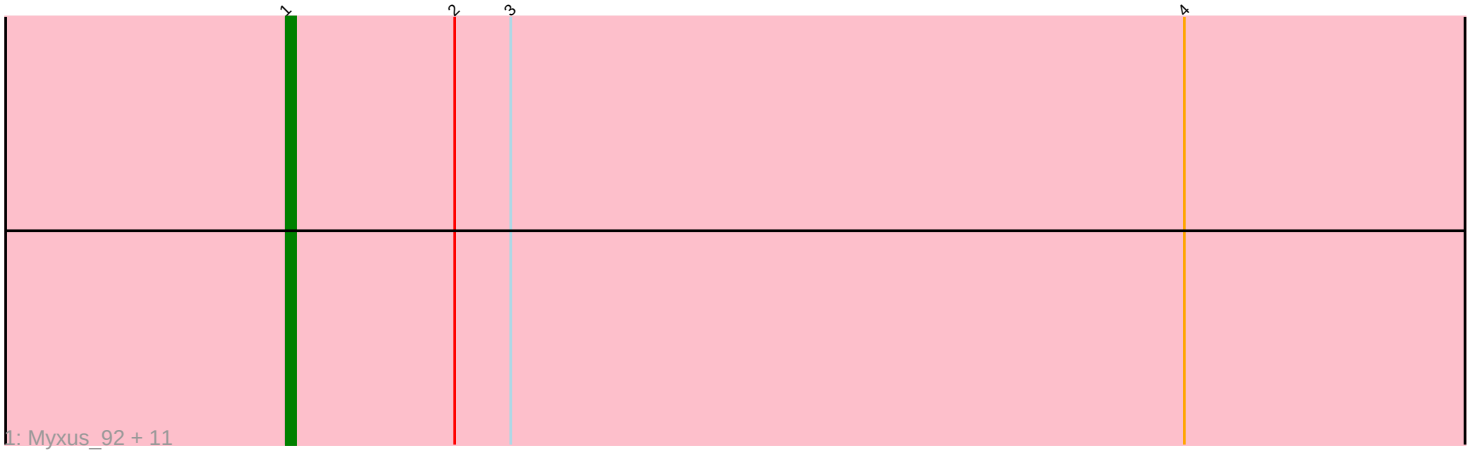
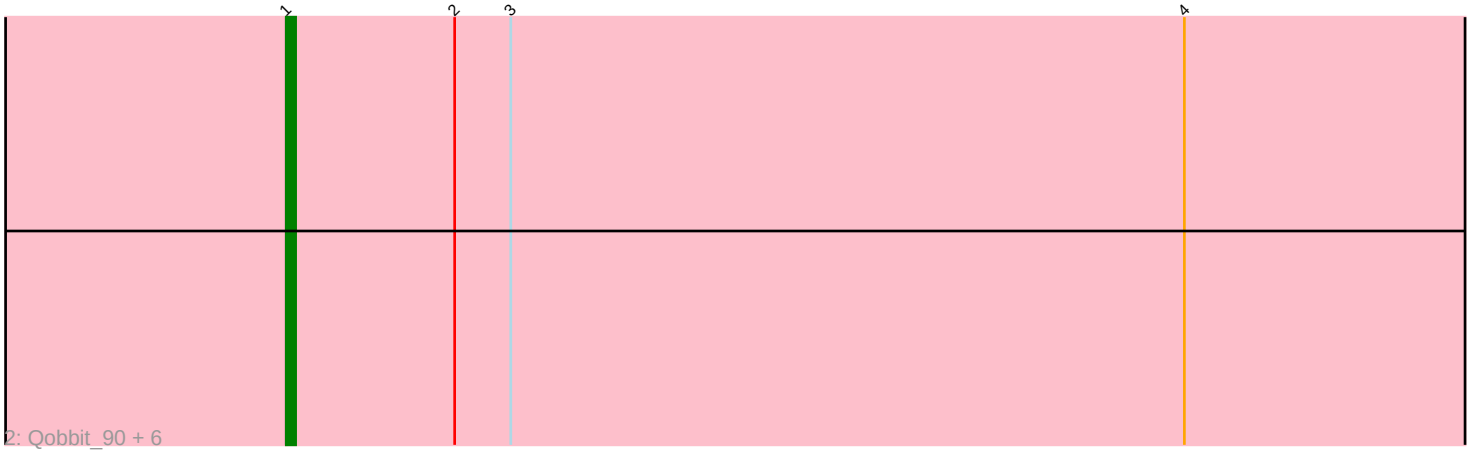
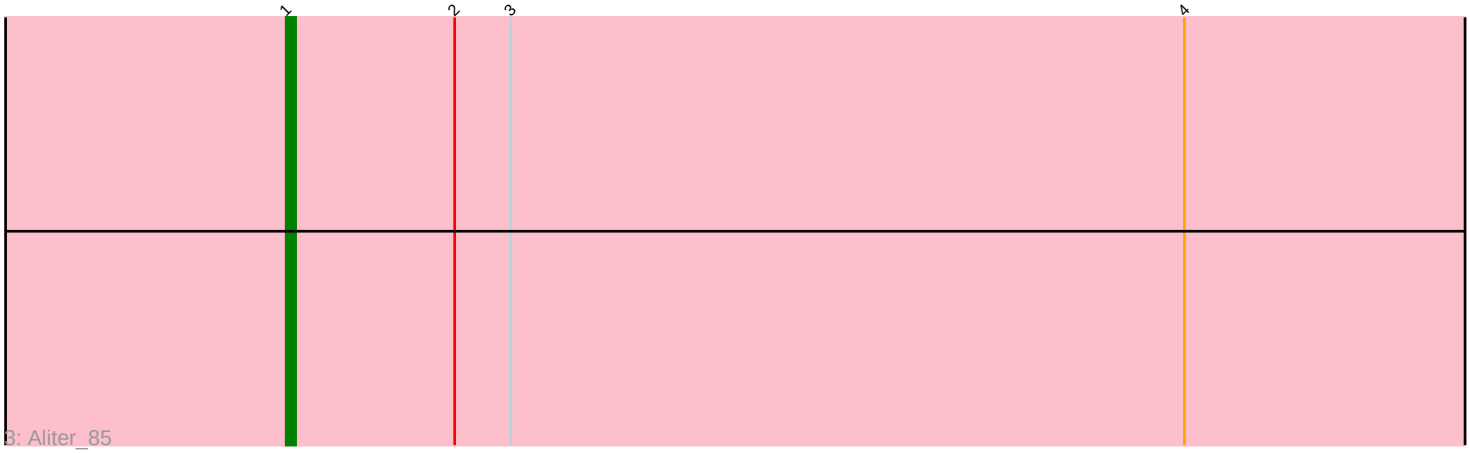
Pham 86759







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 86759 Report

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

Pham number 86759 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Myxus_92, HortumSL17_93, Pioneer_92, Phaeder_92, Phonnegut_92, Conquerage_90, Tubs_92, Catalina_94, PackMan_87, Ugenie5_79, Beemo_92, Scherzo_90
• Track 2 : Qobbit_90, Priya_90, ExplosioNervosa_90, EmyBug_86, Eidsmoe_90, Fayely_90, Spouty_87
• Track 3 : Aliter_85

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aliter_85, Beemo_92, Catalina_94, Conquerage_90, Eidsmoe_90, EmyBug_86, ExplosioNervosa_90, Fayely_90, HortumSL17_93, Myxus_92, PackMan_87, Phaeder_92, Phonnegut_92, Pioneer_92, Priya_90, Qobbit_90, Scherzo_90, Spouty_87, Tubs_92, Ugenie5_79,

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 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aliter_85 (A9), Beemo_92 (A9), Catalina_94 (A9), Conquerage_90 (A9), Eidsmoe_90 (A9), EmyBug_86 (A9), ExplosioNervosa_90 (A9), Fayely_90 (A9), HortumSL17_93 (A9), Myxus_92 (A9), PackMan_87 (A9), Phaeder_92 (A9), Phonnegut_92 (A9), Pioneer_92 (A9), Priya_90

(A9), Qobbit_90 (A9), Scherzo_90 (A9), Spouty_87 (A9), Tubs_92 (A9), Ugenie5_79 (A9),

Summary by clusters:

There is one cluster represented in this pham: A9

Info for manual annotations of cluster A9:
•Start number 1 was manually annotated 18 times for cluster A9.

Gene Information:

Gene: Aliter_85 Start: 46773, Stop: 46639, Start Num: 1
Candidate Starts for Aliter_85:
(Start: 1 @46773 has 18 MA's), (2, 46755), (3, 46749), (4, 46677),

Gene: Beemo_92 Start: 49606, Stop: 49472, Start Num: 1
Candidate Starts for Beemo_92:
(Start: 1 @49606 has 18 MA's), (2, 49588), (3, 49582), (4, 49510),

Gene: Catalina_94 Start: 49720, Stop: 49586, Start Num: 1
Candidate Starts for Catalina_94:
(Start: 1 @49720 has 18 MA's), (2, 49702), (3, 49696), (4, 49624),

Gene: Conquerage_90 Start: 49381, Stop: 49247, Start Num: 1
Candidate Starts for Conquerage_90:
(Start: 1 @49381 has 18 MA's), (2, 49363), (3, 49357), (4, 49285),

Gene: Eidsmoe_90 Start: 49374, Stop: 49240, Start Num: 1
Candidate Starts for Eidsmoe_90:
(Start: 1 @49374 has 18 MA's), (2, 49356), (3, 49350), (4, 49278),

Gene: EmyBug_86 Start: 49376, Stop: 49242, Start Num: 1
Candidate Starts for EmyBug_86:
(Start: 1 @49376 has 18 MA's), (2, 49358), (3, 49352), (4, 49280),

Gene: ExplosioNervosa_90 Start: 49442, Stop: 49308, Start Num: 1
Candidate Starts for ExplosioNervosa_90:
(Start: 1 @49442 has 18 MA's), (2, 49424), (3, 49418), (4, 49346),

Gene: Fayely_90 Start: 49350, Stop: 49216, Start Num: 1
Candidate Starts for Fayely_90:
(Start: 1 @49350 has 18 MA's), (2, 49332), (3, 49326), (4, 49254),

Gene: HortumSL17_93 Start: 49718, Stop: 49584, Start Num: 1
Candidate Starts for HortumSL17_93:
(Start: 1 @49718 has 18 MA's), (2, 49700), (3, 49694), (4, 49622),

Gene: Myxus_92 Start: 49718, Stop: 49584, Start Num: 1
Candidate Starts for Myxus_92:
(Start: 1 @49718 has 18 MA's), (2, 49700), (3, 49694), (4, 49622),

Gene: PackMan_87 Start: 47632, Stop: 47498, Start Num: 1
Candidate Starts for PackMan_87:
(Start: 1 @47632 has 18 MA's), (2, 47614), (3, 47608), (4, 47536),

Gene: Phaeder_92 Start: 49593, Stop: 49459, Start Num: 1
Candidate Starts for Phaeder_92:
(Start: 1 @49593 has 18 MA's), (2, 49575), (3, 49569), (4, 49497),

Gene: Phonnegut_92 Start: 49605, Stop: 49471, Start Num: 1
Candidate Starts for Phonnegut_92:
(Start: 1 @49605 has 18 MA's), (2, 49587), (3, 49581), (4, 49509),

Gene: Pioneer_92 Start: 49605, Stop: 49471, Start Num: 1
Candidate Starts for Pioneer_92:
(Start: 1 @49605 has 18 MA's), (2, 49587), (3, 49581), (4, 49509),

Gene: Priya_90 Start: 49377, Stop: 49243, Start Num: 1
Candidate Starts for Priya_90:
(Start: 1 @49377 has 18 MA's), (2, 49359), (3, 49353), (4, 49281),

Gene: Qobbit_90 Start: 49339, Stop: 49205, Start Num: 1
Candidate Starts for Qobbit_90:
(Start: 1 @49339 has 18 MA's), (2, 49321), (3, 49315), (4, 49243),

Gene: Scherzo_90 Start: 49637, Stop: 49503, Start Num: 1
Candidate Starts for Scherzo_90:
(Start: 1 @49637 has 18 MA's), (2, 49619), (3, 49613), (4, 49541),

Gene: Spouty_87 Start: 49376, Stop: 49242, Start Num: 1
Candidate Starts for Spouty_87:
(Start: 1 @49376 has 18 MA's), (2, 49358), (3, 49352), (4, 49280),

Gene: Tubs_92 Start: 49593, Stop: 49459, Start Num: 1
Candidate Starts for Tubs_92:
(Start: 1 @49593 has 18 MA's), (2, 49575), (3, 49569), (4, 49497),

Gene: Ugenie5_79 Start: 47081, Stop: 46947, Start Num: 1
Candidate Starts for Ugenie5_79:
(Start: 1 @47081 has 18 MA's), (2, 47063), (3, 47057), (4, 46985),