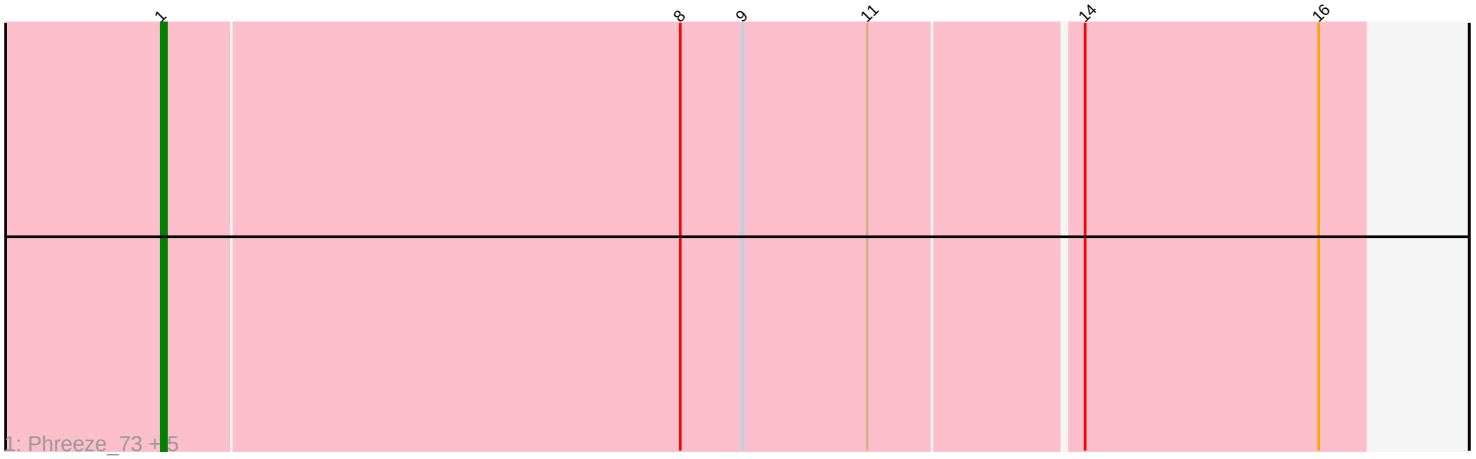
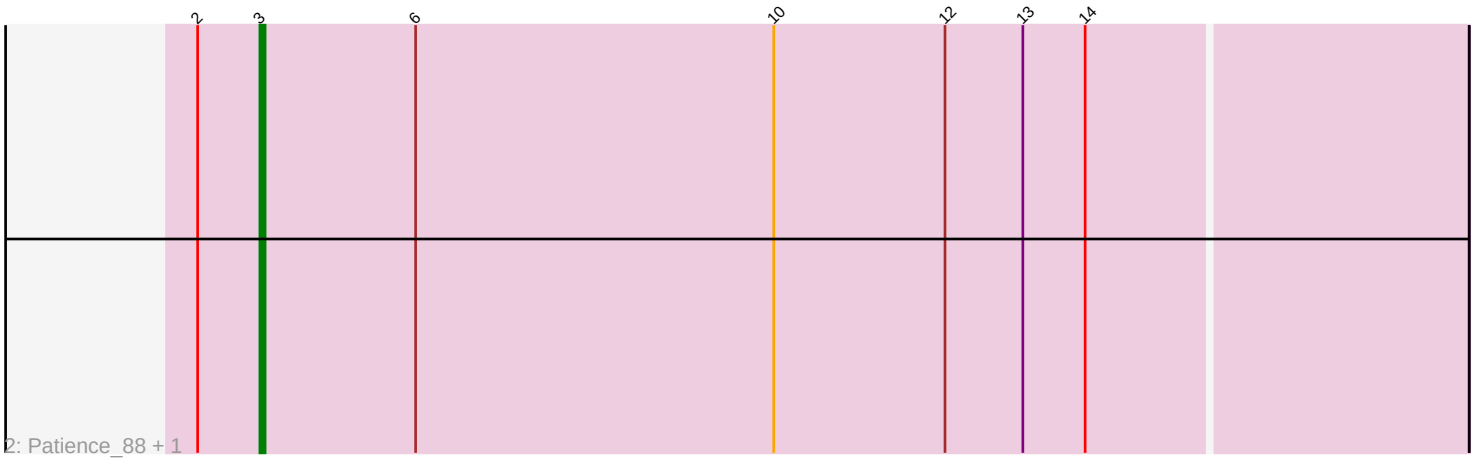
Pham 87864


1
8
9
11
14
16
1: Phreeze_73 + 5


2
3
6
10
12
13
14
2: Patience_88 + 1


2
4
5
7
13
15
3: Labelle_87

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 87864 Report

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

Pham number 87864 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Phreeze_73, Damien_74, Thumb_75, Oaker_74, Megatron06_77, Beckerton_73
• Track 2 : Patience_88, Madruga_86
• Track 3 : Labelle_87

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_73, Damien_74, Megatron06_77, Oaker_74, Phreeze_73, Thumb_75,

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

Genes that do not have the "Most Annotated" start:
• Labelle_87, Madruga_86, Patience_88,

Summary by start number:

Start 1:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_73 (H1), Damien_74 (H1), Megatron06_77 (H1), Oaker_74 (H1), Phreeze_73 (H1), Thumb_75 (H1),

Start 2:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Labelle_87 (U),

Start 3:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Madruga_86 (U), Patience_88 (U),

Summary by clusters:

There are 2 clusters represented in this pham: H1, U,

Info for manual annotations of cluster H1:
•Start number 1 was manually annotated 5 times for cluster H1.

Info for manual annotations of cluster U:
•Start number 2 was manually annotated 1 time for cluster U.
•Start number 3 was manually annotated 2 times for cluster U.

Gene Information:

Gene: Beckerton_73 Start: 55062, Stop: 55289, Start Num: 1
Candidate Starts for Beckerton_73:
(Start: 1 @55062 has 5 MA's), (8, 55161), (9, 55173), (11, 55197), (14, 55236), (16, 55281),

Gene: Damien_74 Start: 54569, Stop: 54796, Start Num: 1
Candidate Starts for Damien_74:
(Start: 1 @54569 has 5 MA's), (8, 54668), (9, 54680), (11, 54704), (14, 54743), (16, 54788),

Gene: Labelle_87 Start: 56923, Stop: 57123, Start Num: 2
Candidate Starts for Labelle_87:
(Start: 2 @56923 has 1 MA's), (4, 56941), (5, 56944), (7, 56980), (13, 57082), (15, 57100),

Gene: Madruga_86 Start: 56532, Stop: 56762, Start Num: 3
Candidate Starts for Madruga_86:
(Start: 2 @56520 has 1 MA's), (Start: 3 @56532 has 2 MA's), (6, 56562), (10, 56631), (12, 56664), (13, 56679), (14, 56691),

Gene: Megatron06_77 Start: 55143, Stop: 55370, Start Num: 1
Candidate Starts for Megatron06_77:
(Start: 1 @55143 has 5 MA's), (8, 55242), (9, 55254), (11, 55278), (14, 55317), (16, 55362),

Gene: Oaker_74 Start: 55172, Stop: 55399, Start Num: 1
Candidate Starts for Oaker_74:
(Start: 1 @55172 has 5 MA's), (8, 55271), (9, 55283), (11, 55307), (14, 55346), (16, 55391),

Gene: Patience_88 Start: 57445, Stop: 57675, Start Num: 3
Candidate Starts for Patience_88:
(Start: 2 @57433 has 1 MA's), (Start: 3 @57445 has 2 MA's), (6, 57475), (10, 57544), (12, 57577), (13, 57592), (14, 57604),

Gene: Phreeze_73 Start: 54142, Stop: 54369, Start Num: 1
Candidate Starts for Phreeze_73:

(Start: 1 @54142 has 5 MA's), (8, 54241), (9, 54253), (11, 54277), (14, 54316), (16, 54361),

Gene: Thumb_75 Start: 54574, Stop: 54801, Start Num: 1
Candidate Starts for Thumb_75:
(Start: 1 @54574 has 5 MA's), (8, 54673), (9, 54685), (11, 54709), (14, 54748), (16, 54793),