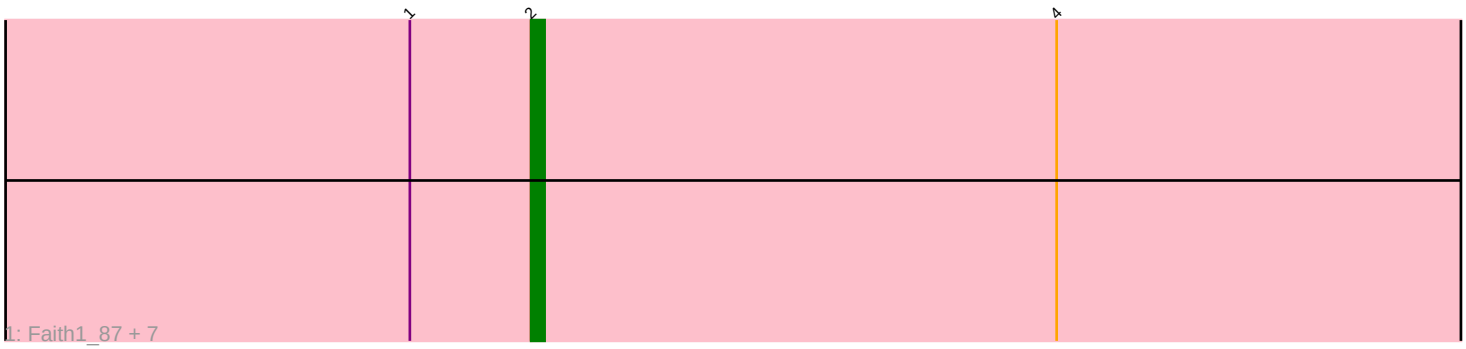
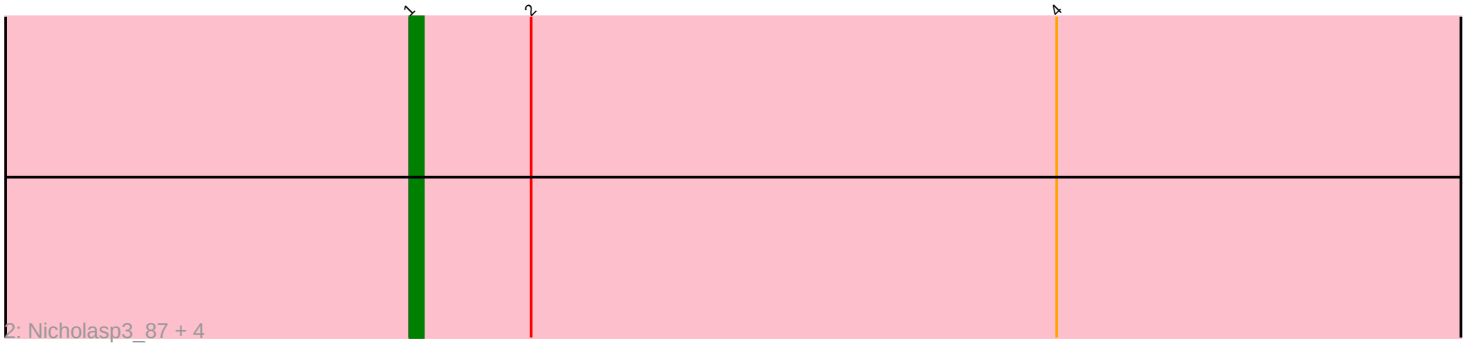
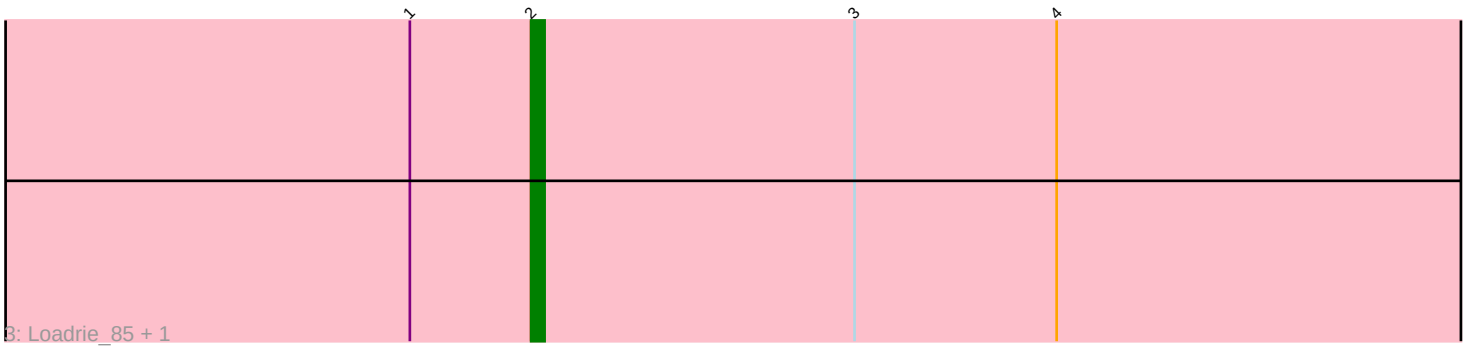
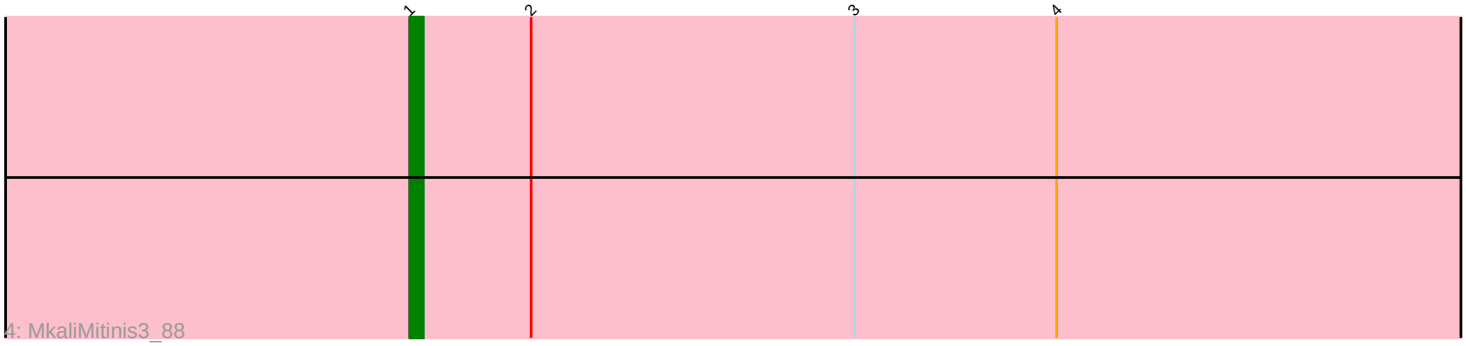
Pham 86928


1
2
4
1: Faith1_87 + 7


1
2
4
2: Nicholasp3_87 + 4


1
2
3
4
3: Loadrie_85 + 1


1
2
3
4
4: MkaliMitinis3_88

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 86928 Report

This analysis was run 04/05/24 on database version 557.

Pham number 86928 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Faith1_87, Archie_84, Breezona_87, Vetrix_86, Itos_87, BigCheese_87, Gabriela_87, Winky_87
• Track 2 : Nicholasp3_87, Gardann_87, Crossroads_87, Miley16_87, Wilder_88
• Track 3 : Loadrie_85, Wigglewiggle_86
• Track 4 : MkaliMitinis3_88

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

The start number called the most often in the published annotations is 2, it was called in 10 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Archie_84, BigCheese_87, Breezona_87, Faith1_87, Gabriela_87, Itos_87, Loadrie_85, Vetrix_86, Wigglewiggle_86, Winky_87,

Genes that have the "Most Annotated" start but do not call it:
• Crossroads_87, Gardann_87, Miley16_87, MkaliMitinis3_88, Nicholasp3_87, Wilder_88,

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

Summary by start number:

Start 1:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 16
• Called 37.5% of time when present
• Phage (with cluster) where this start called: Crossroads_87 (L2), Gardann_87 (L2), Miley16_87 (L2), MkaliMitinis3_88 (L2), Nicholasp3_87 (L2), Wilder_88 (L2),

Start 2:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 16

• Called 62.5% of time when present
• Phage (with cluster) where this start called: Archie_84 (L2), BigCheese_87 (L2), Breezona_87 (L2), Faith1_87 (L2), Gabriela_87 (L2), Itos_87 (L2), Loadrie_85 (L2), Vetrix_86 (L2), Wigglewiggle_86 (L2), Winky_87 (L2),

Summary by clusters:

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2:
•Start number 1 was manually annotated 6 times for cluster L2.
•Start number 2 was manually annotated 10 times for cluster L2.

Gene Information:

Gene: Archie_84 Start: 55725, Stop: 55796, Start Num: 2
Candidate Starts for Archie_84:
(Start: 1 @55716 has 6 MA's), (Start: 2 @55725 has 10 MA's), (4, 55764),

Gene: BigCheese_87 Start: 56135, Stop: 56206, Start Num: 2
Candidate Starts for BigCheese_87:
(Start: 1 @56126 has 6 MA's), (Start: 2 @56135 has 10 MA's), (4, 56174),

Gene: Breezona_87 Start: 56135, Stop: 56206, Start Num: 2
Candidate Starts for Breezona_87:
(Start: 1 @56126 has 6 MA's), (Start: 2 @56135 has 10 MA's), (4, 56174),

Gene: Crossroads_87 Start: 56201, Stop: 56281, Start Num: 1
Candidate Starts for Crossroads_87:
(Start: 1 @56201 has 6 MA's), (Start: 2 @56210 has 10 MA's), (4, 56249),

Gene: Faith1_87 Start: 56135, Stop: 56206, Start Num: 2
Candidate Starts for Faith1_87:
(Start: 1 @56126 has 6 MA's), (Start: 2 @56135 has 10 MA's), (4, 56174),

Gene: Gabriela_87 Start: 55481, Stop: 55552, Start Num: 2
Candidate Starts for Gabriela_87:
(Start: 1 @55472 has 6 MA's), (Start: 2 @55481 has 10 MA's), (4, 55520),

Gene: Gardann_87 Start: 55961, Stop: 56041, Start Num: 1
Candidate Starts for Gardann_87:
(Start: 1 @55961 has 6 MA's), (Start: 2 @55970 has 10 MA's), (4, 56009),

Gene: Itos_87 Start: 55041, Stop: 55112, Start Num: 2
Candidate Starts for Itos_87:
(Start: 1 @55032 has 6 MA's), (Start: 2 @55041 has 10 MA's), (4, 55080),

Gene: Loadrie_85 Start: 56000, Stop: 56071, Start Num: 2
Candidate Starts for Loadrie_85:
(Start: 1 @55991 has 6 MA's), (Start: 2 @56000 has 10 MA's), (3, 56024), (4, 56039),

Gene: Miley16_87 Start: 56126, Stop: 56206, Start Num: 1
Candidate Starts for Miley16_87:
(Start: 1 @56126 has 6 MA's), (Start: 2 @56135 has 10 MA's), (4, 56174),

Gene: MkaliMitinis3_88 Start: 55975, Stop: 56055, Start Num: 1
Candidate Starts for MkaliMitinis3_88:
(Start: 1 @55975 has 6 MA's), (Start: 2 @55984 has 10 MA's), (3, 56008), (4, 56023),

Gene: Nicholasp3_87 Start: 55961, Stop: 56041, Start Num: 1
Candidate Starts for Nicholasp3_87:
(Start: 1 @55961 has 6 MA's), (Start: 2 @55970 has 10 MA's), (4, 56009),

Gene: Vetrix_86 Start: 55832, Stop: 55903, Start Num: 2
Candidate Starts for Vetrix_86:
(Start: 1 @55823 has 6 MA's), (Start: 2 @55832 has 10 MA's), (4, 55871),

Gene: Wigglewiggle_86 Start: 55777, Stop: 55848, Start Num: 2
Candidate Starts for Wigglewiggle_86:
(Start: 1 @55768 has 6 MA's), (Start: 2 @55777 has 10 MA's), (3, 55801), (4, 55816),

Gene: Wilder_88 Start: 55912, Stop: 55992, Start Num: 1
Candidate Starts for Wilder_88:
(Start: 1 @55912 has 6 MA's), (Start: 2 @55921 has 10 MA's), (4, 55960),

Gene: Winky_87 Start: 56135, Stop: 56206, Start Num: 2
Candidate Starts for Winky_87:
(Start: 1 @56126 has 6 MA's), (Start: 2 @56135 has 10 MA's), (4, 56174),