Pham 87589

1: Yinz_88

2: Morty007_87 + 1

3: Phayeta_93
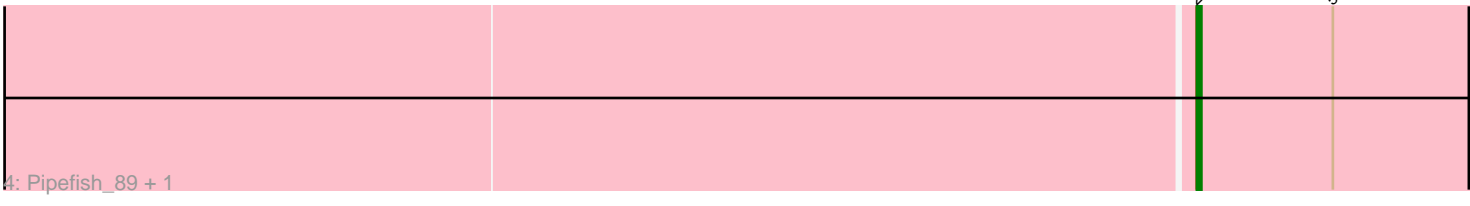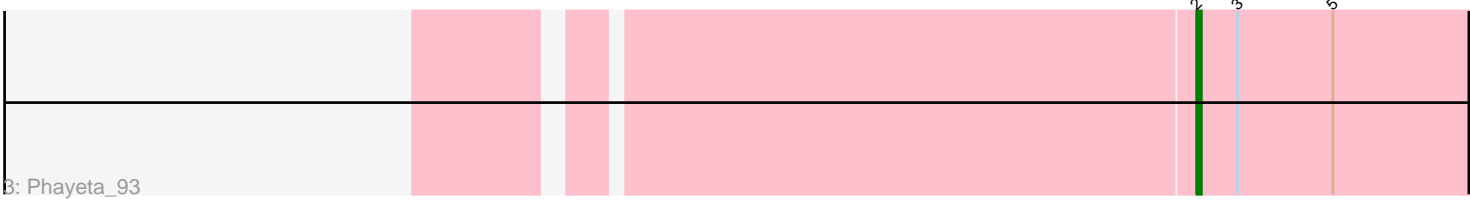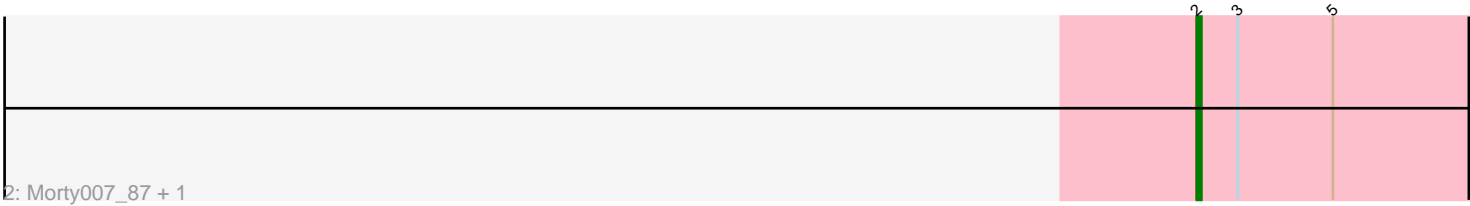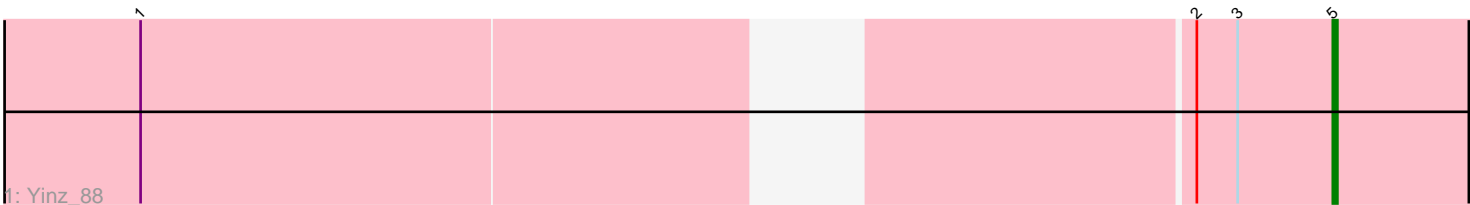
4: Pipefish_89 + 1

5: Neos5_88

6: Bernardo_88

7: HarveySr_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 87589 Report

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

Pham number 87589 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Yinz_88
• Track 2 : Morty007_87, Marley1013_89
• Track 3 : Phayeta_93
• Track 4 : Pipefish_89, Gadjet_88
• Track 5 : Neos5_88
• Track 6 : Bernardo_88
• Track 7 : HarveySr_87

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 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bernardo_88, Gadjet_88, HarveySr_87, Marley1013_89, Morty007_87, Neos5_88, Phayeta_93, Pipefish_89,

Genes that have the "Most Annotated" start but do not call it:
• Yinz_88,

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

Summary by start number:

Start 2:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Bernardo_88 (B3), Gadjet_88 (B3), HarveySr_87 (B3), Marley1013_89 (B3), Morty007_87 (B3), Neos5_88 (B3), Phayeta_93 (B3), Pipefish_89 (B3),

Start 5:

• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Yinz_88 (B3),

Summary by clusters:

There is one cluster represented in this pham: B3

Info for manual annotations of cluster B3:
•Start number 2 was manually annotated 8 times for cluster B3.
•Start number 5 was manually annotated 1 time for cluster B3.

Gene Information:
Gene: Bernardo_88 Start: 62927, Stop: 62766, Start Num: 2
Candidate Starts for Bernardo_88:
(1, 63155), (Start: 2 @62927 has 8 MA's), (Start: 5 @62897 has 1 MA's),

Gene: Gadjet_88 Start: 63110, Stop: 62949, Start Num: 2
Candidate Starts for Gadjet_88:
(Start: 2 @63110 has 8 MA's), (Start: 5 @63080 has 1 MA's),

Gene: HarveySr_87 Start: 62553, Stop: 62392, Start Num: 2
Candidate Starts for HarveySr_87:
(1, 62781), (Start: 2 @62553 has 8 MA's), (3, 62544), (Start: 5 @62523 has 1 MA's),

Gene: Marley1013_89 Start: 63902, Stop: 63741, Start Num: 2
Candidate Starts for Marley1013_89:
(Start: 2 @63902 has 8 MA's), (3, 63893), (Start: 5 @63872 has 1 MA's),

Gene: Morty007_87 Start: 63902, Stop: 63741, Start Num: 2
Candidate Starts for Morty007_87:
(Start: 2 @63902 has 8 MA's), (3, 63893), (Start: 5 @63872 has 1 MA's),

Gene: Neos5_88 Start: 63364, Stop: 63203, Start Num: 2
Candidate Starts for Neos5_88:
(Start: 2 @63364 has 8 MA's), (3, 63355), (4, 63337),

Gene: Phayeta_93 Start: 63999, Stop: 63844, Start Num: 2
Candidate Starts for Phayeta_93:
(Start: 2 @63999 has 8 MA's), (3, 63990), (Start: 5 @63969 has 1 MA's),

Gene: Pipefish_89 Start: 63854, Stop: 63693, Start Num: 2
Candidate Starts for Pipefish_89:
(Start: 2 @63854 has 8 MA's), (Start: 5 @63824 has 1 MA's),

Gene: Yinz_88 Start: 62851, Stop: 62720, Start Num: 5
Candidate Starts for Yinz_88:
(1, 63085), (Start: 2 @62881 has 8 MA's), (3, 62872), (Start: 5 @62851 has 1 MA's),