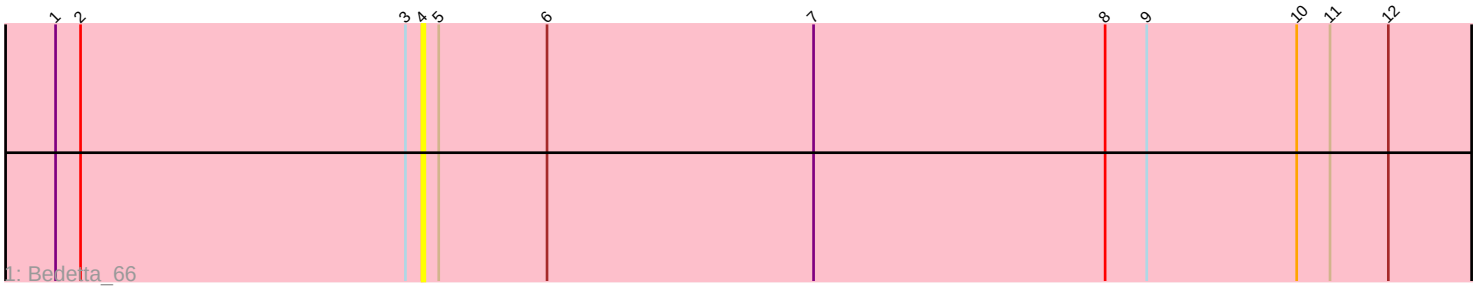
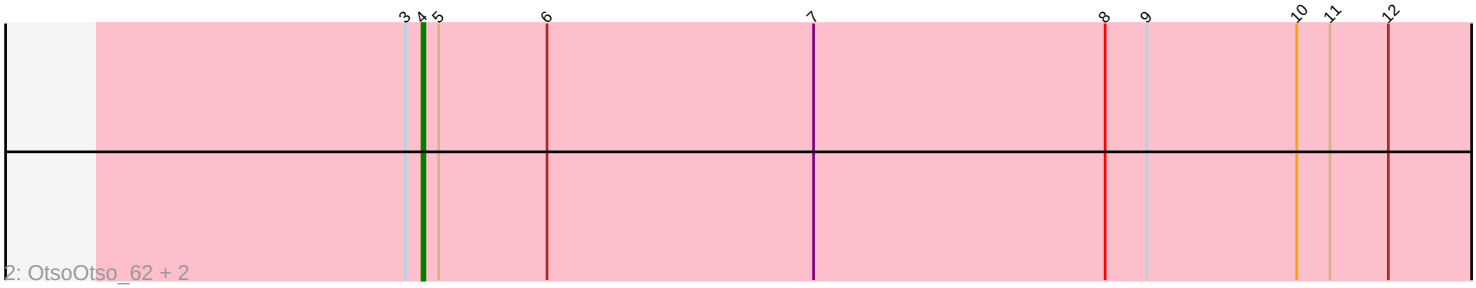
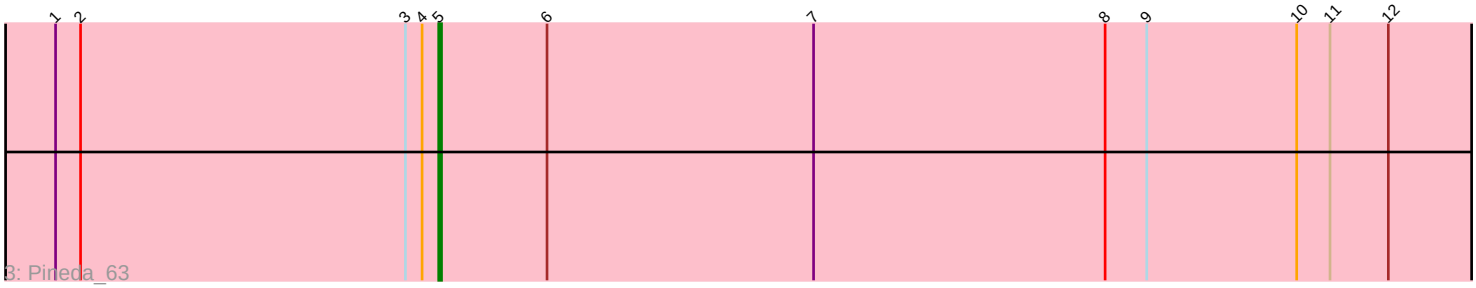
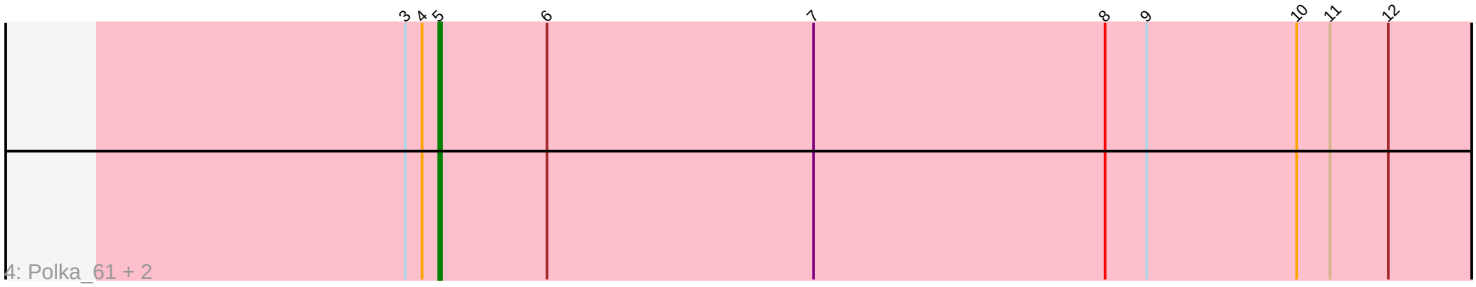
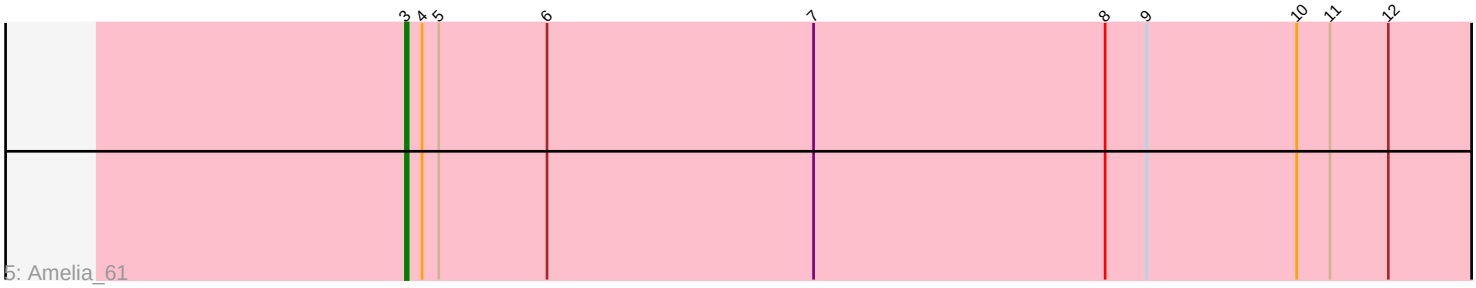
Pham 348277


1
2
3
4
5
6
7
8
9
10
11
12
1: Bedelta_66


3
4
5
6
7
8
9
10
11
12
2: OtsoOtso_62 + 2


1
2
3
4
5
6
7
8
9
10
11
12
3: Pineda_63


3
4
5
6
7
8
9
10
11
12
4: Polka_61 + 2


3
4
5
6
7
8
9
10
11
12
5: Amelia_61

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 348277 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348277 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Bedetta_66
• Track 2 : OtsoOtso_62, HannahPhantana_63, Damocles_66
• Track 3 : Pineda_63
• Track 4 : Polka_61, Jerole_62, Colusalem_62
• Track 5 : Amelia_61

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Colusalem_62, Jerole_62, Pineda_63, Polka_61,

Genes that have the "Most Annotated" start but do not call it:
• Amelia_61, Bedetta_66, Damocles_66, HannahPhantana_63, OtsoOtso_62,

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

Summary by start number:

Start 3:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Amelia_61 (AS2),

Start 4:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 44.4% of time when present
• Phage (with cluster) where this start called: Bedetta_66 (AS2), Damocles_66 (AS2), HannahPhantana_63 (AS2), OtsoOtso_62 (AS2),

Start 5:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 44.4% of time when present
• Phage (with cluster) where this start called: Colusalem_62 (AS2), Jerole_62 (AS2), Pineda_63 (AS2), Polka_61 (AS2),

Summary by clusters:

There is one cluster represented in this pham: AS2

Info for manual annotations of cluster AS2:
•Start number 3 was manually annotated 1 time for cluster AS2.
•Start number 4 was manually annotated 2 times for cluster AS2.
•Start number 5 was manually annotated 4 times for cluster AS2.

Gene Information:

Gene: Amelia_61 Start: 35130, Stop: 35606, Start Num: 3
Candidate Starts for Amelia_61:
(Start: 3 @35130 has 1 MA's), (Start: 4 @35136 has 2 MA's), (Start: 5 @35142 has 4 MA's), (6, 35181), (7, 35277), (8, 35382), (9, 35397), (10, 35451), (11, 35463), (12, 35484),

Gene: Bedetta_66 Start: 35299, Stop: 35769, Start Num: 4
Candidate Starts for Bedetta_66:
(1, 35167), (2, 35176), (Start: 3 @35293 has 1 MA's), (Start: 4 @35299 has 2 MA's), (Start: 5 @35305 has 4 MA's), (6, 35344), (7, 35440), (8, 35545), (9, 35560), (10, 35614), (11, 35626), (12, 35647),

Gene: Colusalem_62 Start: 35119, Stop: 35583, Start Num: 5
Candidate Starts for Colusalem_62:
(Start: 3 @35107 has 1 MA's), (Start: 4 @35113 has 2 MA's), (Start: 5 @35119 has 4 MA's), (6, 35158), (7, 35254), (8, 35359), (9, 35374), (10, 35428), (11, 35440), (12, 35461),

Gene: Damocles_66 Start: 35272, Stop: 35742, Start Num: 4
Candidate Starts for Damocles_66:
(Start: 3 @35266 has 1 MA's), (Start: 4 @35272 has 2 MA's), (Start: 5 @35278 has 4 MA's), (6, 35317), (7, 35413), (8, 35518), (9, 35533), (10, 35587), (11, 35599), (12, 35620),

Gene: HannahPhantana_63 Start: 35131, Stop: 35601, Start Num: 4
Candidate Starts for HannahPhantana_63:
(Start: 3 @35125 has 1 MA's), (Start: 4 @35131 has 2 MA's), (Start: 5 @35137 has 4 MA's), (6, 35176), (7, 35272), (8, 35377), (9, 35392), (10, 35446), (11, 35458), (12, 35479),

Gene: Jerole_62 Start: 35261, Stop: 35725, Start Num: 5
Candidate Starts for Jerole_62:
(Start: 3 @35249 has 1 MA's), (Start: 4 @35255 has 2 MA's), (Start: 5 @35261 has 4 MA's), (6, 35300), (7, 35396), (8, 35501), (9, 35516), (10, 35570), (11, 35582), (12, 35603),

Gene: OtsoOtso_62 Start: 34986, Stop: 35456, Start Num: 4
Candidate Starts for OtsoOtso_62:

(Start: 3 @34980 has 1 MA's), (Start: 4 @34986 has 2 MA's), (Start: 5 @34992 has 4 MA's), (6, 35031), (7, 35127), (8, 35232), (9, 35247), (10, 35301), (11, 35313), (12, 35334),

Gene: Pineda_63 Start: 35302, Stop: 35766, Start Num: 5
Candidate Starts for Pineda_63:
(1, 35164), (2, 35173), (Start: 3 @35290 has 1 MA's), (Start: 4 @35296 has 2 MA's), (Start: 5 @35302 has 4 MA's), (6, 35341), (7, 35437), (8, 35542), (9, 35557), (10, 35611), (11, 35623), (12, 35644),

Gene: Polka_61 Start: 34992, Stop: 35456, Start Num: 5
Candidate Starts for Polka_61:
(Start: 3 @34980 has 1 MA's), (Start: 4 @34986 has 2 MA's), (Start: 5 @34992 has 4 MA's), (6, 35031), (7, 35127), (8, 35232), (9, 35247), (10, 35301), (11, 35313), (12, 35334),