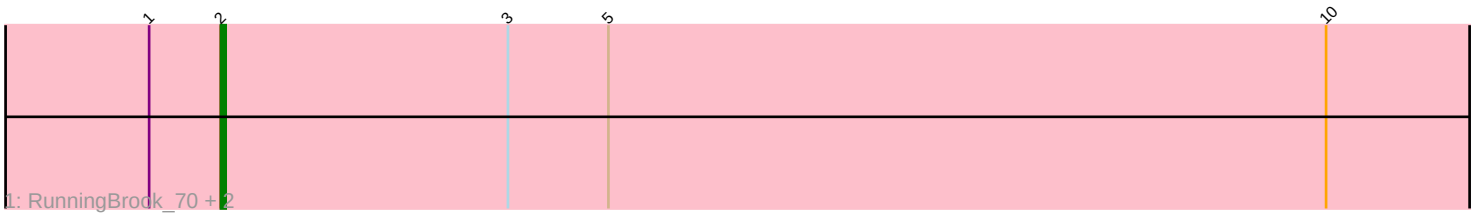
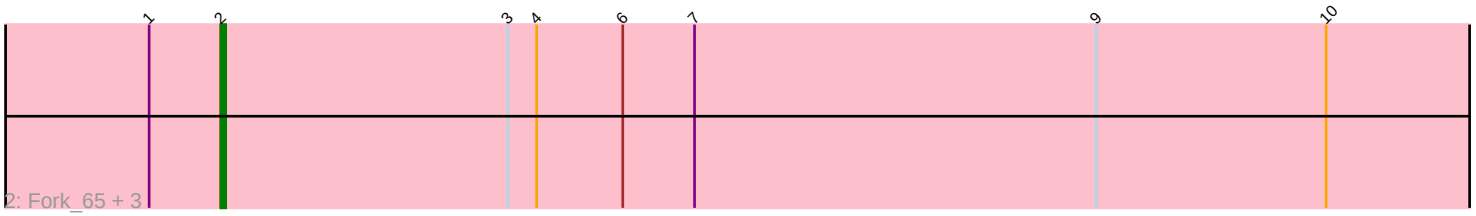
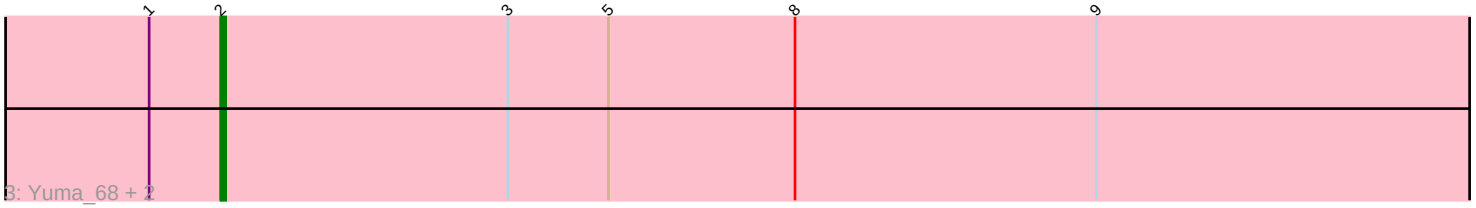
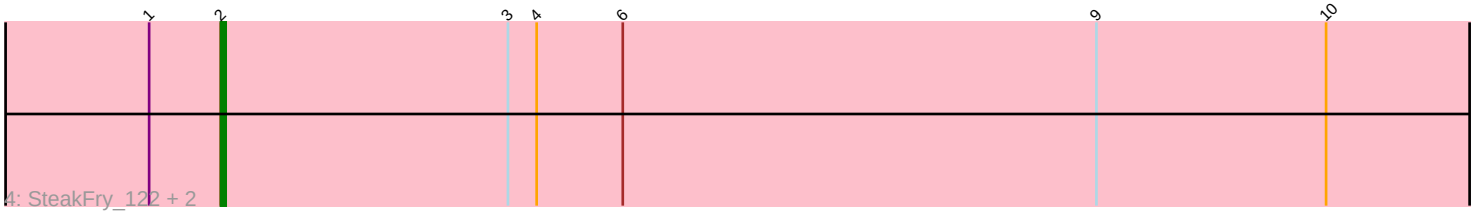
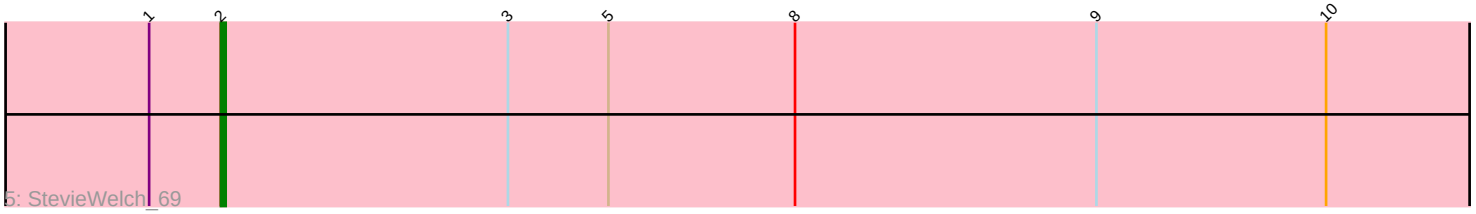
Pham 291585

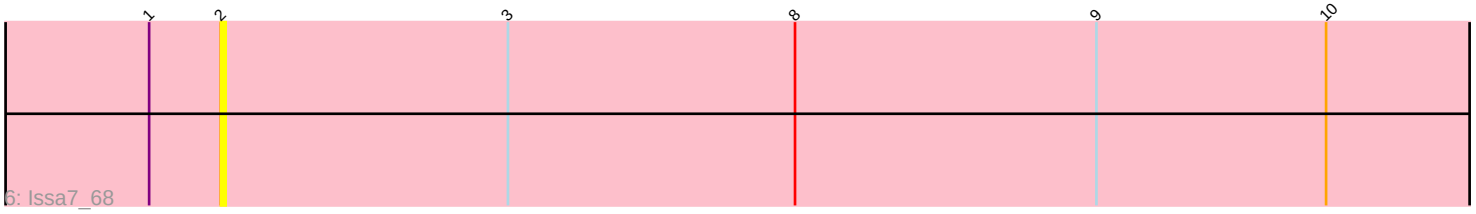

1
2
3
5
10
1: RunningBrook_70 + 2

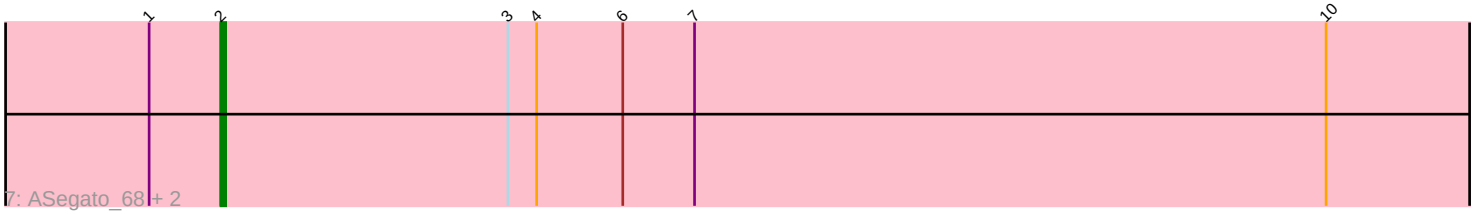

1
2
3
4
6
7
9
10
2: Fork_65 + 3


1
2
3
5
8
9
3: Yuma_68 + 2


1
2
3
4
6
9
10
4: SteakFry_122 + 2


1
2
3
5
8
9
10
5: StevieWelch_69


1
2
3
8
9
10
6: Issa7_68


1
2
3
4
6
7
10
7: ASegato_68 + 2

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 291585 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291585 has 18 members, 6 are drafts.

Phages represented in each track:
• Track 1 : RunningBrook_70, Erenyeager_69, DustyDino_72
• Track 2 : Fork_65, Welcome_70, Lyell_69, Musetta_69
• Track 3 : Yuma_68, Casablancas_70, Deschain_70
• Track 4 : SteakFry_122, HollowPurple_70, SteakFry_68
• Track 5 : StevieWelch_69
• Track 6 : Issa7_68
• Track 7 : ASegato_68, Shroomer_72, Necrophoxinus_71

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_68, Casablancas_70, Deschain_70, DustyDino_72, Erenyeager_69, Fork_65, HollowPurple_70, Issa7_68, Lyell_69, Musetta_69, Necrophoxinus_71, RunningBrook_70, Shroomer_72, SteakFry_122, SteakFry_68, StevieWelch_69, Welcome_70, Yuma_68,

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 2:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_68 (ED2), Casablancas_70 (ED2), Deschain_70 (ED2), DustyDino_72 (ED2), Erenyeager_69 (ED2), Fork_65 (ED2), HollowPurple_70 (ED2), Issa7_68 (ED2), Lyell_69 (ED2), Musetta_69 (ED2),

Necrophoxinus_71 (ED2), RunningBrook_70 (ED2), Shroomer_72 (ED2), SteakFry_122 (ED2), SteakFry_68 (ED2), StevieWelch_69 (ED2), Welcome_70 (ED2), Yuma_68 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:
•Start number 2 was manually annotated 12 times for cluster ED2.

Gene Information:

Gene: ASegato_68 Start: 38232, Stop: 37834, Start Num: 2
Candidate Starts for ASegato_68:
(1, 38247), (Start: 2 @38232 has 12 MA's), (3, 38172), (4, 38166), (6, 38148), (7, 38133), (10, 38001),

Gene: Casablancas_70 Start: 37972, Stop: 37574, Start Num: 2
Candidate Starts for Casablancas_70:
(1, 37987), (Start: 2 @37972 has 12 MA's), (3, 37912), (5, 37891), (8, 37852), (9, 37789),

Gene: Deschain_70 Start: 38636, Stop: 38238, Start Num: 2
Candidate Starts for Deschain_70:
(1, 38651), (Start: 2 @38636 has 12 MA's), (3, 38576), (5, 38555), (8, 38516), (9, 38453),

Gene: DustyDino_72 Start: 39195, Stop: 38797, Start Num: 2
Candidate Starts for DustyDino_72:
(1, 39210), (Start: 2 @39195 has 12 MA's), (3, 39135), (5, 39114), (10, 38964),

Gene: Erenyeager_69 Start: 38227, Stop: 37829, Start Num: 2
Candidate Starts for Erenyeager_69:
(1, 38242), (Start: 2 @38227 has 12 MA's), (3, 38167), (5, 38146), (10, 37996),

Gene: Fork_65 Start: 37882, Stop: 37484, Start Num: 2
Candidate Starts for Fork_65:
(1, 37897), (Start: 2 @37882 has 12 MA's), (3, 37822), (4, 37816), (6, 37798), (7, 37783), (9, 37699), (10, 37651),

Gene: HollowPurple_70 Start: 38438, Stop: 38040, Start Num: 2
Candidate Starts for HollowPurple_70:
(1, 38453), (Start: 2 @38438 has 12 MA's), (3, 38378), (4, 38372), (6, 38354), (9, 38255), (10, 38207),

Gene: Issa7_68 Start: 37889, Stop: 37491, Start Num: 2
Candidate Starts for Issa7_68:
(1, 37904), (Start: 2 @37889 has 12 MA's), (3, 37829), (8, 37769), (9, 37706), (10, 37658),

Gene: Lyell_69 Start: 38141, Stop: 37743, Start Num: 2
Candidate Starts for Lyell_69:
(1, 38156), (Start: 2 @38141 has 12 MA's), (3, 38081), (4, 38075), (6, 38057), (7, 38042), (9, 37958), (10, 37910),

Gene: Musetta_69 Start: 38602, Stop: 38204, Start Num: 2
Candidate Starts for Musetta_69:
(1, 38617), (Start: 2 @38602 has 12 MA's), (3, 38542), (4, 38536), (6, 38518), (7, 38503), (9, 38419), (10, 38371),

Gene: Necrophoxinus_71 Start: 38836, Stop: 38438, Start Num: 2
Candidate Starts for Necrophoxinus_71:
(1, 38851), (Start: 2 @38836 has 12 MA's), (3, 38776), (4, 38770), (6, 38752), (7, 38737), (10, 38605),

Gene: RunningBrook_70 Start: 39195, Stop: 38797, Start Num: 2
Candidate Starts for RunningBrook_70:
(1, 39210), (Start: 2 @39195 has 12 MA's), (3, 39135), (5, 39114), (10, 38964),

Gene: Shroomer_72 Start: 38372, Stop: 37974, Start Num: 2
Candidate Starts for Shroomer_72:
(1, 38387), (Start: 2 @38372 has 12 MA's), (3, 38312), (4, 38306), (6, 38288), (7, 38273), (10, 38141),

Gene: SteakFry_122 Start: 63634, Stop: 63236, Start Num: 2
Candidate Starts for SteakFry_122:
(1, 63649), (Start: 2 @63634 has 12 MA's), (3, 63574), (4, 63568), (6, 63550), (9, 63451), (10, 63403),

Gene: SteakFry_68 Start: 38438, Stop: 38040, Start Num: 2
Candidate Starts for SteakFry_68:
(1, 38453), (Start: 2 @38438 has 12 MA's), (3, 38378), (4, 38372), (6, 38354), (9, 38255), (10, 38207),

Gene: StevieWelch_69 Start: 38227, Stop: 37829, Start Num: 2
Candidate Starts for StevieWelch_69:
(1, 38242), (Start: 2 @38227 has 12 MA's), (3, 38167), (5, 38146), (8, 38107), (9, 38044), (10, 37996),

Gene: Welcome_70 Start: 38587, Stop: 38189, Start Num: 2
Candidate Starts for Welcome_70:
(1, 38602), (Start: 2 @38587 has 12 MA's), (3, 38527), (4, 38521), (6, 38503), (7, 38488), (9, 38404), (10, 38356),

Gene: Yuma_68 Start: 38156, Stop: 37758, Start Num: 2
Candidate Starts for Yuma_68:
(1, 38171), (Start: 2 @38156 has 12 MA's), (3, 38096), (5, 38075), (8, 38036), (9, 37973),