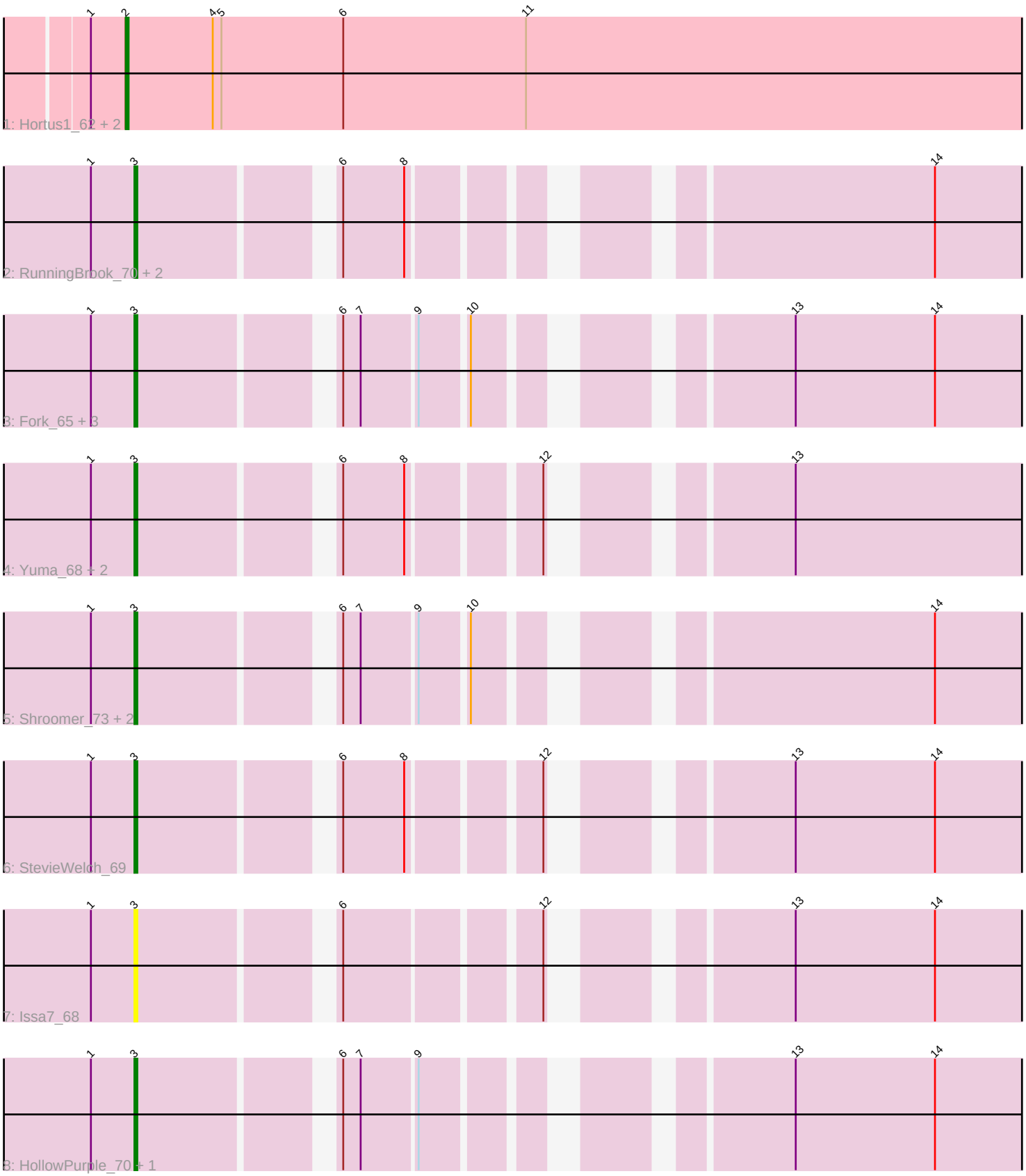
Pham 346176


1
2
4
5
6
11
1: Hortus1_62 + 2
1
3
6
8
14
2: RunningBrook_70 + 2
1
3
6
7
9
10
13
14
3: Fork_65 + 3
1
3
6
8
12
13
4: Yuma_68 + 2
1
3
6
7
9
10
14
5: Shroomer_73 + 2
1
3
6
8
12
13
14
6: StevieWelch_69
1
3
6
12
13
14
7: Issa7_68
1
3
6
7
9
13
14
8: HollowPurple_70 + 1

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 346176 Report

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

Pham number 346176 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Hortus1_62, OlinDD_62, Platte_62
• Track 2 : RunningBrook_70, Erenyeager_69, DustyDino_72
• Track 3 : Fork_65, Welcome_70, Lyell_69, Musetta_69
• Track 4 : Yuma_68, Casablancas_70, Deschain_70
• Track 5 : Shroomer_73, ASegato_68, Necrophoxinus_71
• Track 6 : StevieWelch_69
• Track 7 : Issa7_68
• Track 8 : HollowPurple_70, SteakFry_71

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

The start number called the most often in the published annotations is 3, it was called in 15 of the 18 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_73, SteakFry_71, 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:
• Hortus1_62, OlinDD_62, Platte_62,

Summary by start number:

Start 2:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 3 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hortus1_62 (ED1), OlinDD_62 (ED1), Platte_62 (ED1),

Start 3:
• Found in 17 of 20 (85.0%) of genes in pham
• Manual Annotations of this start: 15 of 18
• 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_73 (ED2), SteakFry_71 (ED2), StevieWelch_69 (ED2), Welcome_70 (ED2), Yuma_68 (ED2),

Summary by clusters:

There are 2 clusters represented in this pham: ED2, ED1,

Info for manual annotations of cluster ED1:
•Start number 2 was manually annotated 3 times for cluster ED1.

Info for manual annotations of cluster ED2:
•Start number 3 was manually annotated 15 times for cluster ED2.

Gene Information:

Gene: ASegato_68 Start: 38232, Stop: 37834, Start Num: 3
Candidate Starts for ASegato_68:
(1, 38247), (Start: 3 @38232 has 15 MA's), (6, 38172), (7, 38166), (9, 38148), (10, 38133), (14, 38001),

Gene: Casablancas_70 Start: 37972, Stop: 37574, Start Num: 3
Candidate Starts for Casablancas_70:
(1, 37987), (Start: 3 @37972 has 15 MA's), (6, 37912), (8, 37891), (12, 37852), (13, 37789),

Gene: Deschain_70 Start: 38636, Stop: 38238, Start Num: 3
Candidate Starts for Deschain_70:
(1, 38651), (Start: 3 @38636 has 15 MA's), (6, 38576), (8, 38555), (12, 38516), (13, 38453),

Gene: DustyDino_72 Start: 39195, Stop: 38797, Start Num: 3
Candidate Starts for DustyDino_72:
(1, 39210), (Start: 3 @39195 has 15 MA's), (6, 39135), (8, 39114), (14, 38964),

Gene: Erenyeager_69 Start: 38227, Stop: 37829, Start Num: 3
Candidate Starts for Erenyeager_69:
(1, 38242), (Start: 3 @38227 has 15 MA's), (6, 38167), (8, 38146), (14, 37996),

Gene: Fork_65 Start: 37882, Stop: 37484, Start Num: 3
Candidate Starts for Fork_65:
(1, 37897), (Start: 3 @37882 has 15 MA's), (6, 37822), (7, 37816), (9, 37798), (10, 37783), (13, 37699), (14, 37651),

Gene: HollowPurple_70 Start: 38438, Stop: 38040, Start Num: 3
Candidate Starts for HollowPurple_70:
(1, 38453), (Start: 3 @38438 has 15 MA's), (6, 38378), (7, 38372), (9, 38354), (13, 38255), (14, 38207),

Gene: Hortus1_62 Start: 38511, Stop: 38062, Start Num: 2
Candidate Starts for Hortus1_62:
(1, 38523), (Start: 2 @38511 has 3 MA's), (4, 38481), (5, 38478), (6, 38436), (11, 38373),

Gene: Issa7_68 Start: 37889, Stop: 37491, Start Num: 3
Candidate Starts for Issa7_68:
(1, 37904), (Start: 3 @37889 has 15 MA's), (6, 37829), (12, 37769), (13, 37706), (14, 37658),

Gene: Lyell_69 Start: 38141, Stop: 37743, Start Num: 3
Candidate Starts for Lyell_69:
(1, 38156), (Start: 3 @38141 has 15 MA's), (6, 38081), (7, 38075), (9, 38057), (10, 38042), (13, 37958), (14, 37910),

Gene: Musetta_69 Start: 38602, Stop: 38204, Start Num: 3
Candidate Starts for Musetta_69:
(1, 38617), (Start: 3 @38602 has 15 MA's), (6, 38542), (7, 38536), (9, 38518), (10, 38503), (13, 38419), (14, 38371),

Gene: Necrophoxinus_71 Start: 38836, Stop: 38438, Start Num: 3
Candidate Starts for Necrophoxinus_71:
(1, 38851), (Start: 3 @38836 has 15 MA's), (6, 38776), (7, 38770), (9, 38752), (10, 38737), (14, 38605),

Gene: OlinDD_62 Start: 38510, Stop: 38061, Start Num: 2
Candidate Starts for OlinDD_62:
(1, 38522), (Start: 2 @38510 has 3 MA's), (4, 38480), (5, 38477), (6, 38435), (11, 38372),

Gene: Platte_62 Start: 38303, Stop: 37854, Start Num: 2
Candidate Starts for Platte_62:
(1, 38315), (Start: 2 @38303 has 3 MA's), (4, 38273), (5, 38270), (6, 38228), (11, 38165),

Gene: RunningBrook_70 Start: 39195, Stop: 38797, Start Num: 3
Candidate Starts for RunningBrook_70:
(1, 39210), (Start: 3 @39195 has 15 MA's), (6, 39135), (8, 39114), (14, 38964),

Gene: Shroomer_73 Start: 38372, Stop: 37974, Start Num: 3
Candidate Starts for Shroomer_73:
(1, 38387), (Start: 3 @38372 has 15 MA's), (6, 38312), (7, 38306), (9, 38288), (10, 38273), (14, 38141),

Gene: SteakFry_71 Start: 38438, Stop: 38040, Start Num: 3
Candidate Starts for SteakFry_71:
(1, 38453), (Start: 3 @38438 has 15 MA's), (6, 38378), (7, 38372), (9, 38354), (13, 38255), (14, 38207),

Gene: StevieWelch_69 Start: 38227, Stop: 37829, Start Num: 3
Candidate Starts for StevieWelch_69:
(1, 38242), (Start: 3 @38227 has 15 MA's), (6, 38167), (8, 38146), (12, 38107), (13, 38044), (14, 37996),

Gene: Welcome_70 Start: 38587, Stop: 38189, Start Num: 3
Candidate Starts for Welcome_70:
(1, 38602), (Start: 3 @38587 has 15 MA's), (6, 38527), (7, 38521), (9, 38503), (10, 38488), (13, 38404), (14, 38356),

Gene: Yuma_68 Start: 38156, Stop: 37758, Start Num: 3
Candidate Starts for Yuma_68:
(1, 38171), (Start: 3 @38156 has 15 MA's), (6, 38096), (8, 38075), (12, 38036), (13, 37973),