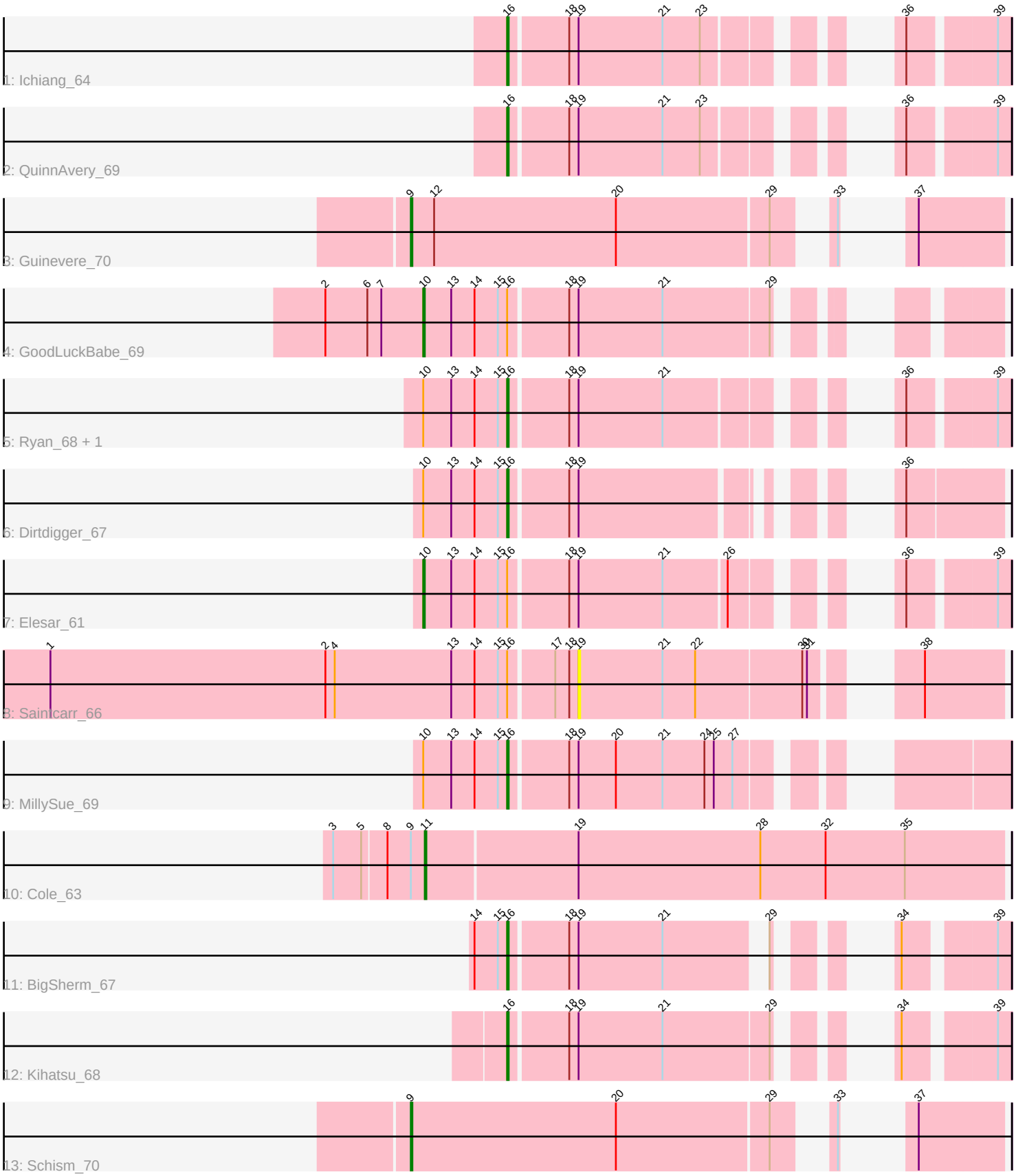
Pham 335428


1: Ichiang_64
2: QuinnAvery_69
3: Guinevere_70
4: GoodLuckBabe_69
5: Ryan_68 + 1
6: Dirtdigger_67
7: Elesar_61
8: Saintcarr_66
9: MillySue_69
10: Cole_63
11: BigSherm_67
12: Kihatsu_68
13: Schism_70

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 335428 Report

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

Pham number 335428 has 14 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Ichiang_64
• Track 2 : QuinnAvery_69
• Track 3 : Guinevere_70
• Track 4 : GoodLuckBabe_69
• Track 5 : Ryan_68, Yonex_68
• Track 6 : Dirtdigger_67
• Track 7 : Elesar_61
• Track 8 : Saintcarr_66
• Track 9 : MillySue_69
• Track 10 : Cole_63
• Track 11 : BigSherm_67
• Track 12 : Kihatsu_68
• Track 13 : Schism_70

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

The start number called the most often in the published annotations is 16, it was called in 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigSherm_67, Dirtdigger_67, Ichiang_64, Kihatsu_68, MillySue_69, QuinnAvery_69, Ryan_68, Yonex_68,

Genes that have the "Most Annotated" start but do not call it:
• Elesar_61, GoodLuckBabe_69, Saintcarr_66,

Genes that do not have the "Most Annotated" start:
• Cole_63, Guinevere_70, Schism_70,

Summary by start number:

Start 9:
• Found in 3 of 14 (21.4%) of genes in pham
• Manual Annotations of this start: 2 of 12

• Called 66.7% of time when present
• Phage (with cluster) where this start called: Guinevere_70 (FF), Schism_70 (FF),

Start 10:
• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Elesar_61 (FF), GoodLuckBabe_69 (FF),

Start 11:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cole_63 (FF),

Start 16:
• Found in 11 of 14 (78.6%) of genes in pham
• Manual Annotations of this start: 7 of 12
• Called 72.7% of time when present
• Phage (with cluster) where this start called: BigSherm_67 (FF), Dirtdigger_67 (FF), Ichiang_64 (FF), Kihatsu_68 (FF), MillySue_69 (FF), QuinnAvery_69 (FF), Ryan_68 (FF), Yonex_68 (FF),

Start 19:
• Found in 12 of 14 (85.7%) of genes in pham
• No Manual Annotations of this start.
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Saintcarr_66 (FF),

Summary by clusters:

There is one cluster represented in this pham: FF

Info for manual annotations of cluster FF:
•Start number 9 was manually annotated 2 times for cluster FF.
•Start number 10 was manually annotated 2 times for cluster FF.
•Start number 11 was manually annotated 1 time for cluster FF.
•Start number 16 was manually annotated 7 times for cluster FF.

Gene Information:

Gene: BigSherm_67 Start: 40938, Stop: 41180, Start Num: 16
Candidate Starts for BigSherm_67:
(14, 40917), (15, 40932), (Start: 16 @40938 has 7 MA's), (18, 40974), (19, 40980), (21, 41034), (29, 41088), (34, 41121), (39, 41172),

Gene: Cole_63 Start: 40988, Stop: 41356, Start Num: 11
Candidate Starts for Cole_63:
(3, 40931), (5, 40949), (8, 40964), (Start: 9 @40979 has 2 MA's), (Start: 11 @40988 has 1 MA's), (19, 41084), (28, 41201), (32, 41243), (35, 41294),

Gene: Dirtdigger_67 Start: 41410, Stop: 41655, Start Num: 16
Candidate Starts for Dirtdigger_67:
(Start: 10 @41356 has 2 MA's), (13, 41374), (14, 41389), (15, 41404), (Start: 16 @41410 has 7 MA's), (18, 41446), (19, 41452), (36, 41596),

Gene: Elesar_61 Start: 42179, Stop: 42487, Start Num: 10
Candidate Starts for Elesar_61:
(Start: 10 @42179 has 2 MA's), (13, 42197), (14, 42212), (15, 42227), (Start: 16 @42233 has 7 MA's), (18, 42269), (19, 42275), (21, 42329), (26, 42368), (36, 42428), (39, 42479),

Gene: GoodLuckBabe_69 Start: 41489, Stop: 41791, Start Num: 10
Candidate Starts for GoodLuckBabe_69:
(2, 41426), (6, 41453), (7, 41462), (Start: 10 @41489 has 2 MA's), (13, 41507), (14, 41522), (15, 41537), (Start: 16 @41543 has 7 MA's), (18, 41579), (19, 41585), (21, 41639), (29, 41705),

Gene: Guinevere_70 Start: 41326, Stop: 41637, Start Num: 9
Candidate Starts for Guinevere_70:
(Start: 9 @41326 has 2 MA's), (12, 41341), (20, 41458), (29, 41554), (33, 41575), (37, 41584),

Gene: Ichiang_64 Start: 40827, Stop: 41081, Start Num: 16
Candidate Starts for Ichiang_64:
(Start: 16 @40827 has 7 MA's), (18, 40863), (19, 40869), (21, 40923), (23, 40947), (36, 41022), (39, 41073),

Gene: Kihatsu_68 Start: 42522, Stop: 42776, Start Num: 16
Candidate Starts for Kihatsu_68:
(Start: 16 @42522 has 7 MA's), (18, 42558), (19, 42564), (21, 42618), (29, 42684), (34, 42717), (39, 42768),

Gene: MillySue_69 Start: 41123, Stop: 41389, Start Num: 16
Candidate Starts for MillySue_69:
(Start: 10 @41069 has 2 MA's), (13, 41087), (14, 41102), (15, 41117), (Start: 16 @41123 has 7 MA's), (18, 41159), (19, 41165), (20, 41189), (21, 41219), (24, 41246), (25, 41252), (27, 41264),

Gene: QuinnAvery_69 Start: 42451, Stop: 42705, Start Num: 16
Candidate Starts for QuinnAvery_69:
(Start: 16 @42451 has 7 MA's), (18, 42487), (19, 42493), (21, 42547), (23, 42571), (36, 42646), (39, 42697),

Gene: Ryan_68 Start: 42100, Stop: 42354, Start Num: 16
Candidate Starts for Ryan_68:
(Start: 10 @42046 has 2 MA's), (13, 42064), (14, 42079), (15, 42094), (Start: 16 @42100 has 7 MA's), (18, 42136), (19, 42142), (21, 42196), (36, 42295), (39, 42346),

Gene: Saintcarr_66 Start: 42128, Stop: 42361, Start Num: 19
Candidate Starts for Saintcarr_66:
(1, 41792), (2, 41969), (4, 41975), (13, 42050), (14, 42065), (15, 42080), (Start: 16 @42086 has 7 MA's), (17, 42113), (18, 42122), (19, 42128), (21, 42182), (22, 42203), (30, 42269), (31, 42272), (38, 42311),

Gene: Schism_70 Start: 42288, Stop: 42599, Start Num: 9
Candidate Starts for Schism_70:

(Start: 9 @42288 has 2 MA's), (20, 42420), (29, 42516), (33, 42537), (37, 42546),

Gene: Yonex_68 Start: 42100, Stop: 42354, Start Num: 16
Candidate Starts for Yonex_68:
(Start: 10 @42046 has 2 MA's), (13, 42064), (14, 42079), (15, 42094), (Start: 16 @42100 has 7 MA's), (18, 42136), (19, 42142), (21, 42196), (36, 42295), (39, 42346),