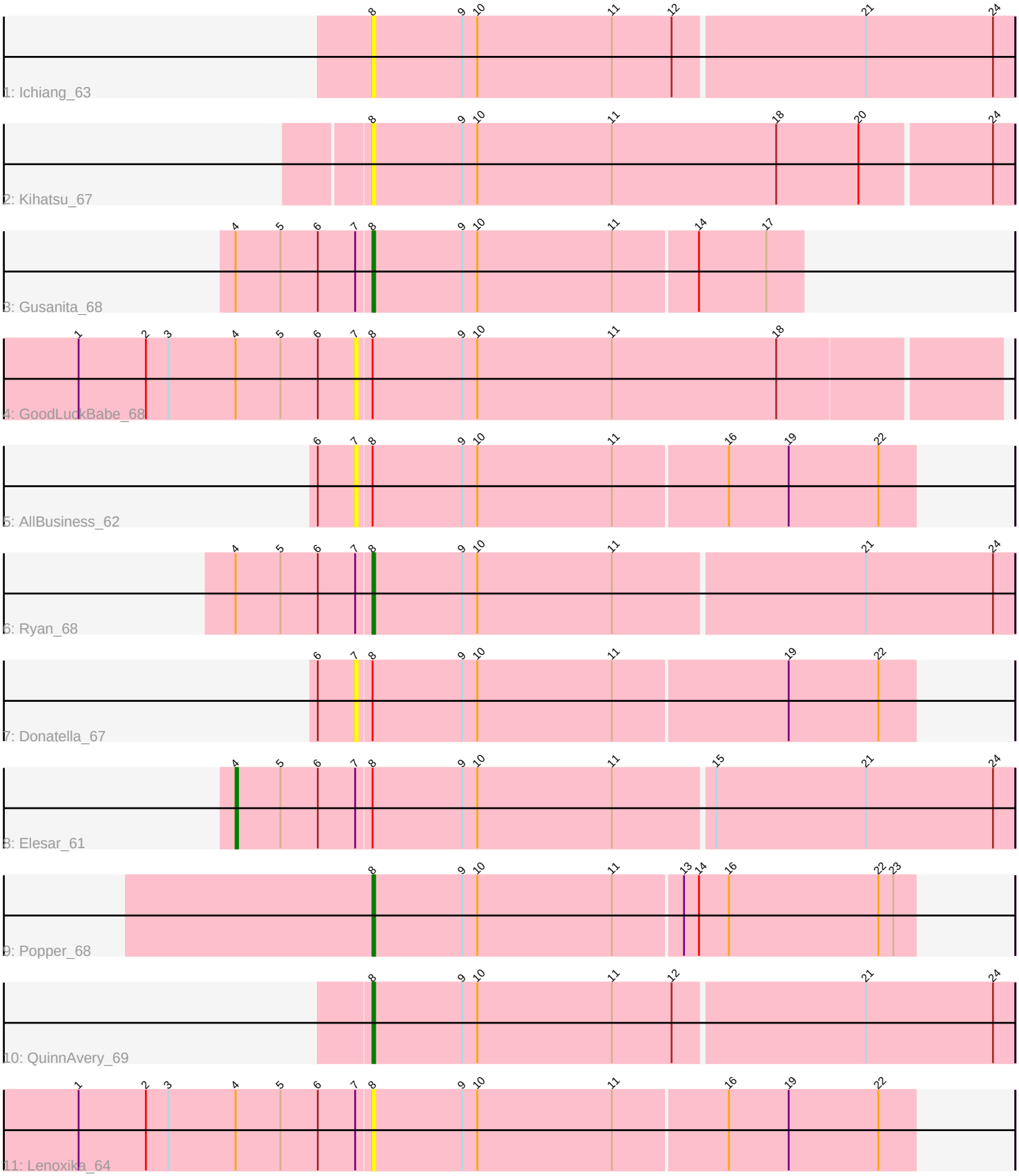
Pham 211543


8 9 10 11 12 21 24
1: Ichiang_63
8 9 10 11 18 20 24
2: Kihatsu_67
4 5 6 7 8 9 10 11 14 17
3: Gusanita_68
1 2 3 4 5 6 7 8 9 10 11 18
4: GoodLuckBabe_68
6 7 8 9 10 11 16 19 22
5: AllBusiness_62
4 5 6 7 8 9 10 11 21 24
6: Ryan_68
6 7 8 9 10 11 19 22
7: Donatella_67
4 5 6 7 8 9 10 11 15 21 24
8: Elesar_61
8 9 10 11 13 14 16 22 23
9: Popper_68
8 9 10 11 12 21 24
10: QuinnAvery_69
1 2 3 4 5 6 7 8 9 10 11 16 19 22
11: Lenoxika_64

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 211543 Report

This analysis was run 02/22/25 on database version 588.

Pham number 211543 has 11 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ichiang_63
• Track 2 : Kihatsu_67
• Track 3 : Gusanita_68
• Track 4 : GoodLuckBabe_68
• Track 5 : AllBusiness_62
• Track 6 : Ryan_68
• Track 7 : Donatella_67
• Track 8 : Elesar_61
• Track 9 : Popper_68
• Track 10 : QuinnAvery_69
• Track 11 : Lenoxika_64

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

The start number called the most often in the published annotations is 8, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gusanita_68, Ichiang_63, Kihatsu_67, Lenoxika_64, Popper_68, QuinnAvery_69, Ryan_68,

Genes that have the "Most Annotated" start but do not call it:
• AllBusiness_62, Donatella_67, Elesar_61, GoodLuckBabe_68,

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

Summary by start number:

Start 4:
• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Elesar_61 (FF),

Start 7:
• Found in 7 of 11 (63.6%) of genes in pham
• No Manual Annotations of this start.
• Called 42.9% of time when present
• Phage (with cluster) where this start called: AllBusiness_62 (FF), Donatella_67 (FF), GoodLuckBabe_68 (FF),

Start 8:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 63.6% of time when present
• Phage (with cluster) where this start called: Gusanita_68 (FF), Ichiang_63 (FF), Kihatsu_67 (FF), Lenoxika_64 (FF), Popper_68 (FF), QuinnAvery_69 (FF), Ryan_68 (FF),

Summary by clusters:

There is one cluster represented in this pham: FF

Info for manual annotations of cluster FF:
•Start number 4 was manually annotated 1 time for cluster FF.
•Start number 8 was manually annotated 4 times for cluster FF.

Gene Information:

Gene: AllBusiness_62 Start: 42190, Stop: 42411, Start Num: 7
Candidate Starts for AllBusiness_62:
(6, 42175), (7, 42190), (Start: 8 @42196 has 4 MA's), (9, 42232), (10, 42238), (11, 42292), (16, 42337), (19, 42361), (22, 42397),

Gene: Donatella_67 Start: 41601, Stop: 41822, Start Num: 7
Candidate Starts for Donatella_67:
(6, 41586), (7, 41601), (Start: 8 @41607 has 4 MA's), (9, 41643), (10, 41649), (11, 41703), (19, 41772), (22, 41808),

Gene: Elesar_61 Start: 42179, Stop: 42487, Start Num: 4
Candidate Starts for Elesar_61:
(Start: 4 @42179 has 1 MA's), (5, 42197), (6, 42212), (7, 42227), (Start: 8 @42233 has 4 MA's), (9, 42269), (10, 42275), (11, 42329), (15, 42368), (21, 42428), (24, 42479),

Gene: GoodLuckBabe_68 Start: 41537, Stop: 41791, Start Num: 7
Candidate Starts for GoodLuckBabe_68:
(1, 41426), (2, 41453), (3, 41462), (Start: 4 @41489 has 1 MA's), (5, 41507), (6, 41522), (7, 41537), (Start: 8 @41543 has 4 MA's), (9, 41579), (10, 41585), (11, 41639), (18, 41705),

Gene: Gusanita_68 Start: 41807, Stop: 41977, Start Num: 8
Candidate Starts for Gusanita_68:
(Start: 4 @41753 has 1 MA's), (5, 41771), (6, 41786), (7, 41801), (Start: 8 @41807 has 4 MA's), (9, 41843), (10, 41849), (11, 41903), (14, 41936), (17, 41963),

Gene: Ichiang_63 Start: 40827, Stop: 41081, Start Num: 8
Candidate Starts for Ichiang_63:
(Start: 8 @40827 has 4 MA's), (9, 40863), (10, 40869), (11, 40923), (12, 40947), (21, 41022), (24, 41073),

Gene: Kihatsu_67 Start: 42522, Stop: 42776, Start Num: 8
Candidate Starts for Kihatsu_67:
(Start: 8 @42522 has 4 MA's), (9, 42558), (10, 42564), (11, 42618), (18, 42684), (20, 42717), (24, 42768),

Gene: Lenoxika_64 Start: 40899, Stop: 41114, Start Num: 8
Candidate Starts for Lenoxika_64:
(1, 40782), (2, 40809), (3, 40818), (Start: 4 @40845 has 1 MA's), (5, 40863), (6, 40878), (7, 40893), (Start: 8 @40899 has 4 MA's), (9, 40935), (10, 40941), (11, 40995), (16, 41040), (19, 41064), (22, 41100),

Gene: Popper_68 Start: 40866, Stop: 41081, Start Num: 8
Candidate Starts for Popper_68:
(Start: 8 @40866 has 4 MA's), (9, 40902), (10, 40908), (11, 40962), (13, 40989), (14, 40995), (16, 41007), (22, 41067), (23, 41073),

Gene: QuinnAvery_69 Start: 42451, Stop: 42705, Start Num: 8
Candidate Starts for QuinnAvery_69:
(Start: 8 @42451 has 4 MA's), (9, 42487), (10, 42493), (11, 42547), (12, 42571), (21, 42646), (24, 42697),

Gene: Ryan_68 Start: 42100, Stop: 42354, Start Num: 8
Candidate Starts for Ryan_68:
(Start: 4 @42046 has 1 MA's), (5, 42064), (6, 42079), (7, 42094), (Start: 8 @42100 has 4 MA's), (9, 42136), (10, 42142), (11, 42196), (21, 42295), (24, 42346),