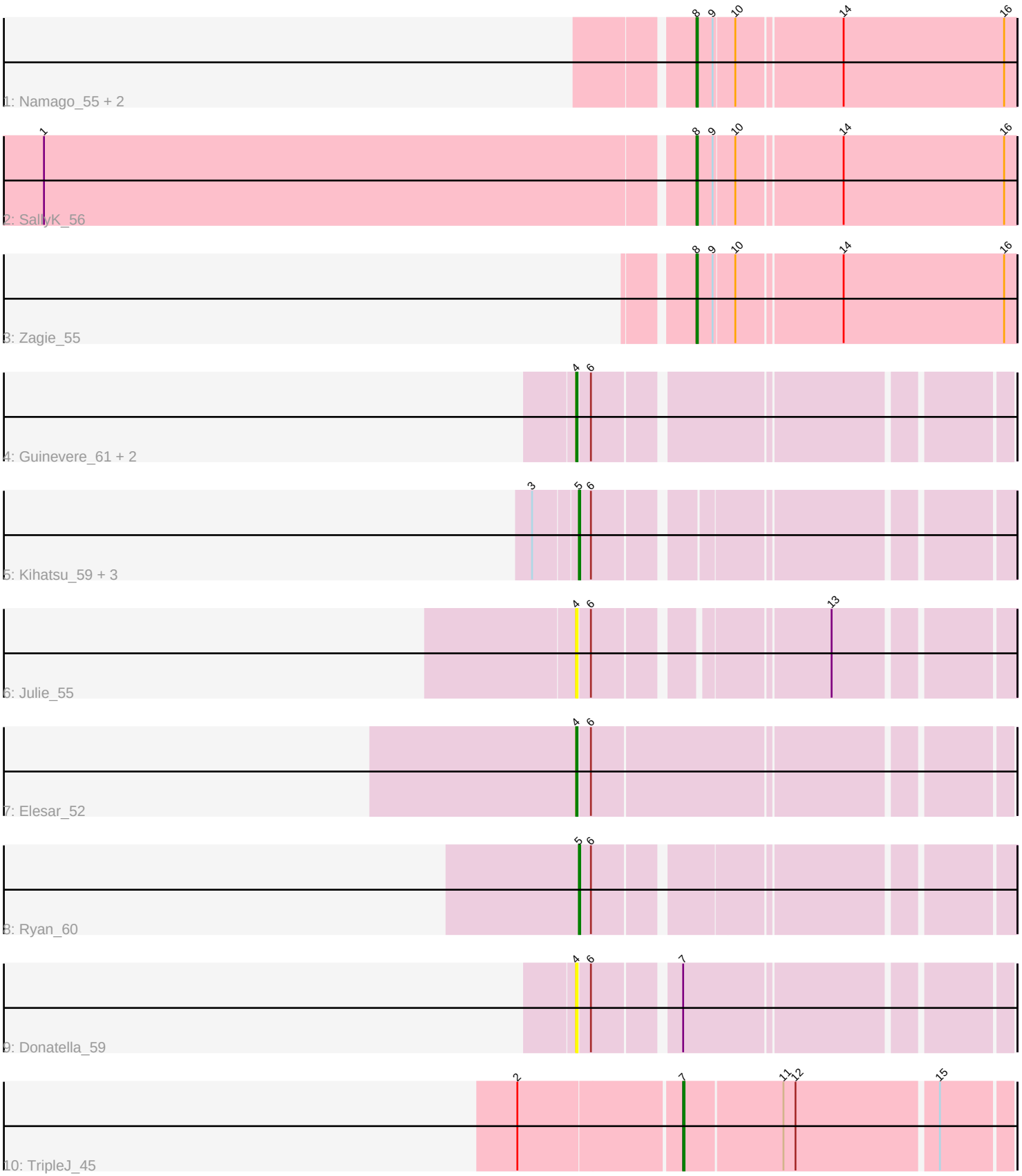
Pham 213052


8
9
10
14
16
1: Namago_55 + 2
1
8
9
10
14
16
2: SallyK_56
8
9
10
14
16
3: Zagie_55
4
6
4: Guinevere_61 + 2
3
5
6
5: Kihatsu_59 + 3
4
6
13
6: Julie_55
4
6
7: Elesar_52
5
6
8: Ryan_60
4
6
7
9: Donatella_59
2
7
11
12
15
10: TripleJ_45

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 213052 Report

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

Pham number 213052 has 17 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Namago_55, FrankDeliGuy_52, StrawberryJamm_58
• Track 2 : SallyK_56
• Track 3 : Zagie_55
• Track 4 : Guinevere_61, Gusanita_59, GoodLuckBabe_60
• Track 5 : Kihatsu_59, QuinnAvery_60, Ichiang_55, Nandita_59
• Track 6 : Julie_55
• Track 7 : Elesar_52
• Track 8 : Ryan_60
• Track 9 : Donatella_59
• Track 10 : TripleJ_45

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 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• FrankDeliGuy_52, Namago_55, SallyK_56, StrawberryJamm_58, Zagie_55,

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

Genes that do not have the "Most Annotated" start:
• Donatella_59, Elesar_52, GoodLuckBabe_60, Guinevere_61, Gusanita_59, Ichiang_55, Julie_55, Kihatsu_59, Nandita_59, QuinnAvery_60, Ryan_60, TripleJ_45,

Summary by start number:

Start 4:
• Found in 6 of 17 (35.3%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Donatella_59 (FF), Elesar_52 (FF), GoodLuckBabe_60 (FF), Guinevere_61 (FF), Gusanita_59 (FF), Julie_55 (FF),

Start 5:
• Found in 5 of 17 (29.4%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ichiang_55 (FF), Kihatsu_59 (FF), Nandita_59 (FF), QuinnAvery_60 (FF), Ryan_60 (FF),

Start 7:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: TripleJ_45 (FJ),

Start 8:
• Found in 5 of 17 (29.4%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FrankDeliGuy_52 (EG), Namago_55 (EG), SallyK_56 (EG), StrawberryJamm_58 (EG), Zagie_55 (EG),

Summary by clusters:

There are 3 clusters represented in this pham: FJ, EG, FF,

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

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

Info for manual annotations of cluster FJ:
•Start number 7 was manually annotated 1 time for cluster FJ.

Gene Information:

Gene: Donatella_59 Start: 37988, Stop: 38278, Start Num: 4
Candidate Starts for Donatella_59:
(Start: 4 @37988 has 2 MA's), (6, 37997), (Start: 7 @38054 has 1 MA's),

Gene: Elesar_52 Start: 37886, Stop: 38185, Start Num: 4
Candidate Starts for Elesar_52:
(Start: 4 @37886 has 2 MA's), (6, 37895),

Gene: FrankDeliGuy_52 Start: 41504, Stop: 41274, Start Num: 8
Candidate Starts for FrankDeliGuy_52:
(Start: 8 @41504 has 4 MA's), (9, 41492), (10, 41477), (14, 41402), (16, 41282),

Gene: GoodLuckBabe_60 Start: 37667, Stop: 37957, Start Num: 4
Candidate Starts for GoodLuckBabe_60:

(Start: 4 @37667 has 2 MA's), (6, 37676),

Gene: Guinevere_61 Start: 37644, Stop: 37934, Start Num: 4
Candidate Starts for Guinevere_61:
(Start: 4 @37644 has 2 MA's), (6, 37653),

Gene: Gusanita_59 Start: 38031, Stop: 38321, Start Num: 4
Candidate Starts for Gusanita_59:
(Start: 4 @38031 has 2 MA's), (6, 38040),

Gene: Ichiang_55 Start: 37186, Stop: 37473, Start Num: 5
Candidate Starts for Ichiang_55:
(3, 37156), (Start: 5 @37186 has 3 MA's), (6, 37195),

Gene: Julie_55 Start: 37609, Stop: 37893, Start Num: 4
Candidate Starts for Julie_55:
(Start: 4 @37609 has 2 MA's), (6, 37618), (13, 37771),

Gene: Kihatsu_59 Start: 38734, Stop: 39021, Start Num: 5
Candidate Starts for Kihatsu_59:
(3, 38704), (Start: 5 @38734 has 3 MA's), (6, 38743),

Gene: Namago_55 Start: 41366, Stop: 41136, Start Num: 8
Candidate Starts for Namago_55:
(Start: 8 @41366 has 4 MA's), (9, 41354), (10, 41339), (14, 41264), (16, 41144),

Gene: Nandita_59 Start: 37748, Stop: 38035, Start Num: 5
Candidate Starts for Nandita_59:
(3, 37718), (Start: 5 @37748 has 3 MA's), (6, 37757),

Gene: QuinnAvery_60 Start: 38551, Stop: 38838, Start Num: 5
Candidate Starts for QuinnAvery_60:
(3, 38521), (Start: 5 @38551 has 3 MA's), (6, 38560),

Gene: Ryan_60 Start: 38316, Stop: 38606, Start Num: 5
Candidate Starts for Ryan_60:
(Start: 5 @38316 has 3 MA's), (6, 38325),

Gene: SallyK_56 Start: 42491, Stop: 42261, Start Num: 8
Candidate Starts for SallyK_56:
(1, 42968), (Start: 8 @42491 has 4 MA's), (9, 42479), (10, 42464), (14, 42389), (16, 42269),

Gene: StrawberryJamm_58 Start: 41669, Stop: 41439, Start Num: 8
Candidate Starts for StrawberryJamm_58:
(Start: 8 @41669 has 4 MA's), (9, 41657), (10, 41642), (14, 41567), (16, 41447),

Gene: TripleJ_45 Start: 30871, Stop: 31104, Start Num: 7
Candidate Starts for TripleJ_45:
(2, 30754), (Start: 7 @30871 has 1 MA's), (11, 30943), (12, 30952), (15, 31054),

Gene: Zagie_55 Start: 41866, Stop: 41636, Start Num: 8
Candidate Starts for Zagie_55:
(Start: 8 @41866 has 4 MA's), (9, 41854), (10, 41839), (14, 41764), (16, 41644),