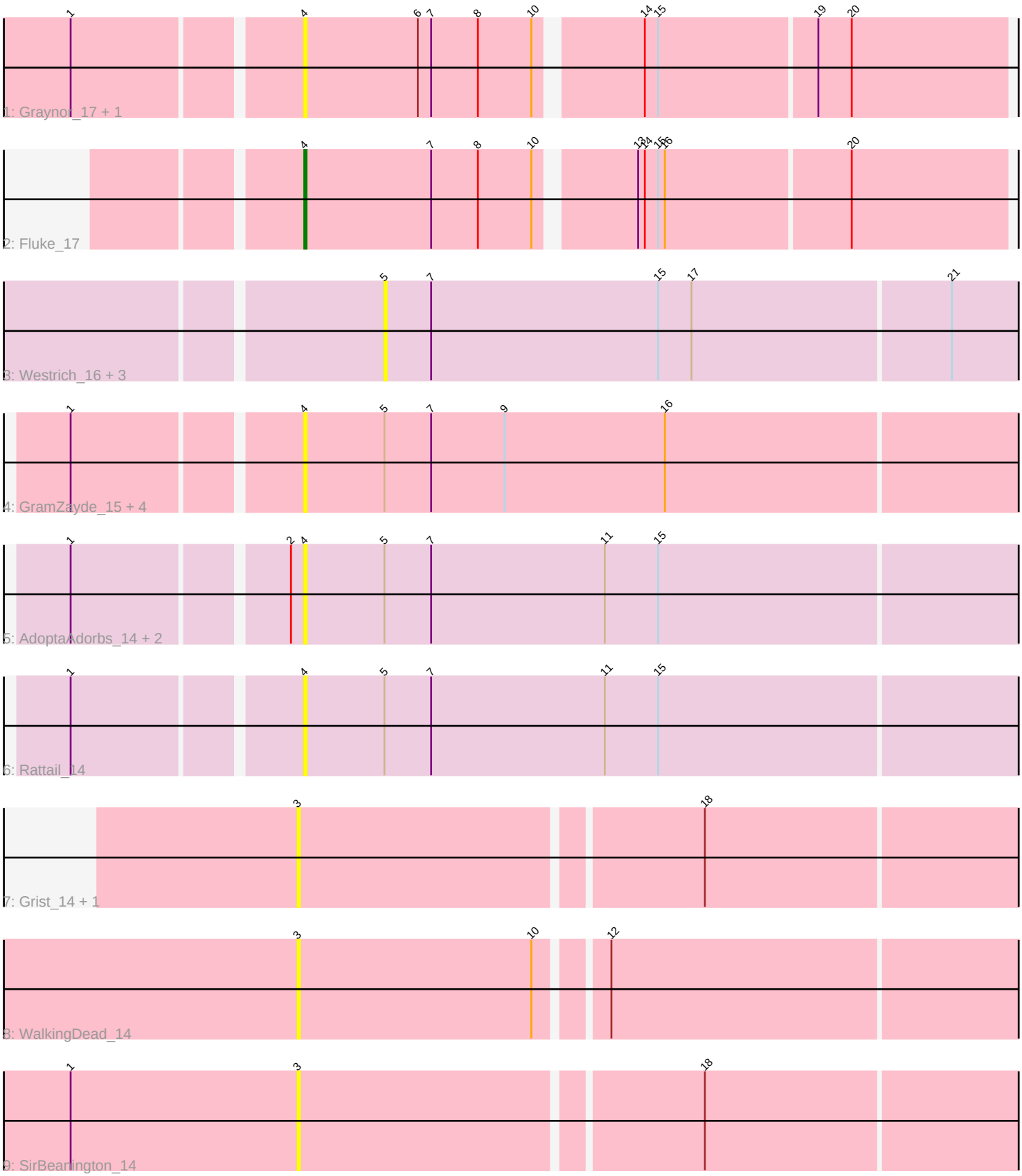
Pham 340031


1
4
6
7
8
10
14
15
19
20
1: Graynor_17 + 1
4
7
8
10
13
14
15
16
20
2: Fluke_17
5
7
15
17
21
3: Westrich_16 + 3
1
4
5
7
9
16
4: GramZayde_15 + 4
1
2
4
5
7
11
15
5: AdoptaAdorbs_14 + 2
1
4
5
7
11
15
6: Rattail_14
3
18
7: Grist_14 + 1
3
10
12
8: WalkingDead_14
1
3
18
9: SirBeanington_14

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 340031 Report

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

Pham number 340031 has 20 members, 19 are drafts.

Phages represented in each track:
• Track 1 : Graynor_17, MrBoss_17
• Track 2 : Fluke_17
• Track 3 : Westrich_16, Gravel_16, KendraB23_16, Pelletreau_16
• Track 4 : GramZayde_15, BadWillHunting_16, Bedetta_16, Bibble12_16, Damocles_16
• Track 5 : AdoptaAdorbs_14, Camara_14, Oppalora_14
• Track 6 : Rattail_14
• Track 7 : Grist_14, Solea_15
• Track 8 : WalkingDead_14
• Track 9 : SirBeanington_14

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

The start number called the most often in the published annotations is 4, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AdoptaAdorbs_14, BadWillHunting_16, Bedetta_16, Bibble12_16, Camara_14, Damocles_16, Fluke_17, GramZayde_15, Graynor_17, MrBoss_17, Oppalora_14, Rattail_14,

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

Genes that do not have the "Most Annotated" start:
• Gravel_16, Grist_14, KendraB23_16, Pelletreau_16, SirBeanington_14, Solea_15, WalkingDead_14, Westrich_16,

Summary by start number:

Start 3:
• Found in 4 of 20 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Grist_14 (EB), SirBeanington_14 (EB), Solea_15 (EB), WalkingDead_14 (EB),

Start 4:
• Found in 12 of 20 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AdoptaAdorbs_14 (AS3), BadWillHunting_16 (AS2), Bedetta_16 (AS2), Bibble12_16 (AS2), Camara_14 (AS3), Damocles_16 (AS2), Fluke_17 (AK), GramZayde_15 (AS2), Graynor_17 (AK), MrBoss_17 (AK), Oppalora_14 (AS3), Rattail_14 (AS3),

Start 5:
• Found in 13 of 20 (65.0%) of genes in pham
• No Manual Annotations of this start.
• Called 30.8% of time when present
• Phage (with cluster) where this start called: Gravel_16 (AS1), KendraB23_16 (AS1), Pelletreau_16 (AS1), Westrich_16 (AS1),

Summary by clusters:

There are 5 clusters represented in this pham: AS3, AS2, AS1, AK, EB,

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

Gene Information:

Gene: AdoptaAdorbs_14 Start: 9452, Stop: 9784, Start Num: 4
Candidate Starts for AdoptaAdorbs_14:
(1, 9356), (2, 9446), (Start: 4 @9452 has 1 MA's), (5, 9488), (7, 9509), (11, 9587), (15, 9611),

Gene: BadWillHunting_16 Start: 10036, Stop: 10362, Start Num: 4
Candidate Starts for BadWillHunting_16:
(1, 9940), (Start: 4 @10036 has 1 MA's), (5, 10072), (7, 10093), (9, 10126), (16, 10198),

Gene: Bedetta_16 Start: 10036, Stop: 10362, Start Num: 4
Candidate Starts for Bedetta_16:
(1, 9940), (Start: 4 @10036 has 1 MA's), (5, 10072), (7, 10093), (9, 10126), (16, 10198),

Gene: Bibble12_16 Start: 10039, Stop: 10365, Start Num: 4
Candidate Starts for Bibble12_16:
(1, 9943), (Start: 4 @10039 has 1 MA's), (5, 10075), (7, 10096), (9, 10129), (16, 10201),

Gene: Camara_14 Start: 9453, Stop: 9785, Start Num: 4
Candidate Starts for Camara_14:
(1, 9357), (2, 9447), (Start: 4 @9453 has 1 MA's), (5, 9489), (7, 9510), (11, 9588), (15, 9612),

Gene: Damocles_16 Start: 10036, Stop: 10362, Start Num: 4
Candidate Starts for Damocles_16:
(1, 9940), (Start: 4 @10036 has 1 MA's), (5, 10072), (7, 10093), (9, 10126), (16, 10198),

Gene: Fluke_17 Start: 12295, Stop: 12609, Start Num: 4
Candidate Starts for Fluke_17:
(Start: 4 @12295 has 1 MA's), (7, 12352), (8, 12373), (10, 12397), (13, 12436), (14, 12439), (15, 12445), (16, 12448), (20, 12529),

Gene: GramZayde_15 Start: 9875, Stop: 10201, Start Num: 4
Candidate Starts for GramZayde_15:
(1, 9779), (Start: 4 @9875 has 1 MA's), (5, 9911), (7, 9932), (9, 9965), (16, 10037),

Gene: Gravel_16 Start: 10083, Stop: 10376, Start Num: 5
Candidate Starts for Gravel_16:
(5, 10083), (7, 10104), (15, 10206), (17, 10221), (21, 10335),

Gene: Graynor_17 Start: 12313, Stop: 12627, Start Num: 4
Candidate Starts for Graynor_17:
(1, 12217), (Start: 4 @12313 has 1 MA's), (6, 12364), (7, 12370), (8, 12391), (10, 12415), (14, 12457), (15, 12463), (19, 12532), (20, 12547),

Gene: Grist_14 Start: 9638, Stop: 9979, Start Num: 3
Candidate Starts for Grist_14:
(3, 9638), (18, 9812),

Gene: KendraB23_16 Start: 10084, Stop: 10377, Start Num: 5
Candidate Starts for KendraB23_16:
(5, 10084), (7, 10105), (15, 10207), (17, 10222), (21, 10336),

Gene: MrBoss_17 Start: 12277, Stop: 12591, Start Num: 4
Candidate Starts for MrBoss_17:
(1, 12181), (Start: 4 @12277 has 1 MA's), (6, 12328), (7, 12334), (8, 12355), (10, 12379), (14, 12421), (15, 12427), (19, 12496), (20, 12511),

Gene: Oppalora_14 Start: 9450, Stop: 9782, Start Num: 4
Candidate Starts for Oppalora_14:
(1, 9354), (2, 9444), (Start: 4 @9450 has 1 MA's), (5, 9486), (7, 9507), (11, 9585), (15, 9609),

Gene: Pelletreau_16 Start: 10083, Stop: 10376, Start Num: 5
Candidate Starts for Pelletreau_16:
(5, 10083), (7, 10104), (15, 10206), (17, 10221), (21, 10335),

Gene: Rattail_14 Start: 9503, Stop: 9835, Start Num: 4
Candidate Starts for Rattail_14:
(1, 9407), (Start: 4 @9503 has 1 MA's), (5, 9539), (7, 9560), (11, 9638), (15, 9662),

Gene: SirBeanington_14 Start: 9567, Stop: 9908, Start Num: 3
Candidate Starts for SirBeanington_14:
(1, 9465), (3, 9567), (18, 9741),

Gene: Solea_15 Start: 9979, Stop: 10320, Start Num: 3

Candidate Starts for Solea_15:
(3, 9979), (18, 10153),

Gene: WalkingDead_14 Start: 9801, Stop: 10142, Start Num: 3
Candidate Starts for WalkingDead_14:
(3, 9801), (10, 9906), (12, 9933),

Gene: Westrich_16 Start: 10072, Stop: 10365, Start Num: 5
Candidate Starts for Westrich_16:
(5, 10072), (7, 10093), (15, 10195), (17, 10210), (21, 10324),