Pham 338702


15
21
1: RIPWilbur_60
10
15
21
2: BruhMoment_55
5
7
8
9
12
13
16
17
18
19
20
26
28
3: EverythinBagel_1
11
12
13
16
17
18
19
20
26
28
4: StrawberryJamm_3
2
3
4
5
7
8
9
13
16
17
18
19
20
26
28
5: Statler_1
15
22
31
6: Mufasa8_75
15
30
7: Sonali_73
15
23
30
8: Sunshine23_74
1
6
14
15
24
25
27
29
9: Kithara_55

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 338702 Report

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

Pham number 338702 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : RIPWilbur_60
• Track 2 : BruhMoment_55
• Track 3 : EverythinBagel_1
• Track 4 : StrawberryJamm_3
• Track 5 : Statler_1
• Track 6 : Mufasa8_75
• Track 7 : Sonali_73
• Track 8 : Sunshine23_74
• Track 9 : Kithara_55

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

The start number called the most often in the published annotations is 15, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BruhMoment_55, Kithara_55, Mufasa8_75, RIPWilbur_60, Sonali_73, Sunshine23_74,

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

Genes that do not have the "Most Annotated" start:
• EverythinBagel_1, Statler_1, StrawberryJamm_3,

Summary by start number:

Start 15:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_55 (AP3), Kithara_55 (singleton), Mufasa8_75 (FG), RIPWilbur_60 (AP2), Sonali_73 (FG), Sunshine23_74 (FG),

Start 16:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EverythinBagel_1 (EG), Statler_1 (EG), StrawberryJamm_3 (EG),

Summary by clusters:

There are 5 clusters represented in this pham: AP2, AP3, EG, singleton, FG,

Info for manual annotations of cluster AP2:
•Start number 15 was manually annotated 1 time for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 15 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster EG:
•Start number 16 was manually annotated 3 times for cluster EG.

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

Gene Information:

Gene: BruhMoment_55 Start: 41405, Stop: 41190, Start Num: 15
Candidate Starts for BruhMoment_55:
(10, 41543), (Start: 15 @41405 has 6 MA's), (21, 41300),

Gene: EverythinBagel_1 Start: 1081, Stop: 869, Start Num: 16
Candidate Starts for EverythinBagel_1:
(5, 1357), (7, 1300), (8, 1270), (9, 1261), (12, 1168), (13, 1165), (Start: 16 @1081 has 3 MA's), (17, 1075), (18, 1060), (19, 1027), (20, 1021), (26, 892), (28, 883),

Gene: Kithara_55 Start: 42974, Stop: 42696, Start Num: 15
Candidate Starts for Kithara_55:
(1, 43436), (6, 43193), (14, 42983), (Start: 15 @42974 has 6 MA's), (24, 42803), (25, 42767), (27, 42749), (29, 42719),

Gene: Mufasa8_75 Start: 46975, Stop: 47244, Start Num: 15
Candidate Starts for Mufasa8_75:
(Start: 15 @46975 has 6 MA's), (22, 47092), (31, 47218),

Gene: RIPWilbur_60 Start: 40865, Stop: 40647, Start Num: 15
Candidate Starts for RIPWilbur_60:
(Start: 15 @40865 has 6 MA's), (21, 40760),

Gene: Sonali_73 Start: 47656, Stop: 47895, Start Num: 15
Candidate Starts for Sonali_73:
(Start: 15 @47656 has 6 MA's), (30, 47890),

Gene: Statler_1 Start: 881, Stop: 669, Start Num: 16
Candidate Starts for Statler_1:
(2, 1298), (3, 1280), (4, 1259), (5, 1160), (7, 1103), (8, 1073), (9, 1064), (13, 968), (Start: 16 @881 has 3 MA's), (17, 875), (18, 860), (19, 827), (20, 821), (26, 692), (28, 683),

Gene: StrawberryJamm_3 Start: 1086, Stop: 874, Start Num: 16
Candidate Starts for StrawberryJamm_3:
(11, 1188), (12, 1173), (13, 1170), (Start: 16 @1086 has 3 MA's), (17, 1080), (18, 1065), (19, 1032), (20, 1026), (26, 897), (28, 888),

Gene: Sunshine23_74 Start: 47789, Stop: 48028, Start Num: 15
Candidate Starts for Sunshine23_74:
(Start: 15 @47789 has 6 MA's), (23, 47933), (30, 48023),