Pham 348265


10
22
1: Hereford_40 + 1
10
15
17
20
22
30
2: JanetJ_40
10
22
29
3: PrairieDogTown_40 + 2
7
8
9
10
14
15
17
26
4: Maja_45
8
9
10
13
14
17
18
22
24
27
5: CocoCinnamon_47
1
2
3
4
5
6
10
11
12
13
14
16
19
21
23
25
28
6: Min1_13
10
14
17
18
7: Ball_41

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 348265 Report

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

Pham number 348265 has 10 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Hereford_40, Aoka_43
• Track 2 : JanetJ_40
• Track 3 : PrairieDogTown_40, EvenBluerMoon_39, Morrey_61
• Track 4 : Maja_45
• Track 5 : CocoCinnamon_47
• Track 6 : Min1_13
• Track 7 : Ball_41

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

The start number called the most often in the published annotations is 10, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aoka_43, Ball_41, CocoCinnamon_47, EvenBluerMoon_39, Hereford_40, JanetJ_40, Maja_45, Min1_13, Morrey_61, PrairieDogTown_40,

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

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

Summary by start number:

Start 10:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aoka_43 (FO), Ball_41 (singleton), CocoCinnamon_47 (FO), EvenBluerMoon_39 (FO), Hereford_40 (FO), JanetJ_40 (FO), Maja_45 (FO), Min1_13 (singleton), Morrey_61 (FO), PrairieDogTown_40 (FO),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, FO,

Info for manual annotations of cluster FO:
•Start number 10 was manually annotated 7 times for cluster FO.

Gene Information:

Gene: Aoka_43 Start: 30908, Stop: 31291, Start Num: 10
Candidate Starts for Aoka_43:
(Start: 10 @30908 has 7 MA's), (22, 31133),

Gene: Ball_41 Start: 30596, Stop: 30943, Start Num: 10
Candidate Starts for Ball_41:
(Start: 10 @30596 has 7 MA's), (14, 30692), (17, 30704), (18, 30722),

Gene: CocoCinnamon_47 Start: 31551, Stop: 31895, Start Num: 10
Candidate Starts for CocoCinnamon_47:
(8, 31509), (9, 31515), (Start: 10 @31551 has 7 MA's), (13, 31623), (14, 31647), (17, 31659), (18, 31677), (22, 31773), (24, 31827), (27, 31878),

Gene: EvenBluerMoon_39 Start: 30190, Stop: 30573, Start Num: 10
Candidate Starts for EvenBluerMoon_39:
(Start: 10 @30190 has 7 MA's), (22, 30415), (29, 30532),

Gene: Hereford_40 Start: 30024, Stop: 30407, Start Num: 10
Candidate Starts for Hereford_40:
(Start: 10 @30024 has 7 MA's), (22, 30249),

Gene: JanetJ_40 Start: 31218, Stop: 31598, Start Num: 10
Candidate Starts for JanetJ_40:
(Start: 10 @31218 has 7 MA's), (15, 31317), (17, 31326), (20, 31407), (22, 31443), (30, 31581),

Gene: Maja_45 Start: 31952, Stop: 32296, Start Num: 10
Candidate Starts for Maja_45:
(7, 31829), (8, 31910), (9, 31916), (Start: 10 @31952 has 7 MA's), (14, 32048), (15, 32051), (17, 32060), (26, 32276),

Gene: Min1_13 Start: 5102, Stop: 5482, Start Num: 10
Candidate Starts for Min1_13:
(1, 4787), (2, 4841), (3, 4868), (4, 4895), (5, 4904), (6, 4949), (Start: 10 @5102 has 7 MA's), (11, 5108), (12, 5153), (13, 5177), (14, 5201), (16, 5210), (19, 5285), (21, 5318), (23, 5339), (25, 5411), (28, 5450),

Gene: Morrey_61 Start: 30192, Stop: 30575, Start Num: 10
Candidate Starts for Morrey_61:
(Start: 10 @30192 has 7 MA's), (22, 30417), (29, 30534),

Gene: PrairieDogTown_40 Start: 30192, Stop: 30575, Start Num: 10
Candidate Starts for PrairieDogTown_40:
(Start: 10 @30192 has 7 MA's), (22, 30417), (29, 30534),