Pham 348220


26
27
33
1: Arroyo_16 + 1
2
3
4
5
6
9
11
15
16
17
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19
20
21
22
23
26
28
31
36
2: Stromboli_15
1
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14
16
17
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19
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22
23
24
26
29
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34
37
3: Didgeridoo_77
22
23
26
27
33
4: Grist_15 + 3
23
25
26
28
31
36
5: BabyYoda_15
26
27
30
33
35
6: Slay_15
23
26
28
31
36
7: WalkingDead_15

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 348220 Report

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

Pham number 348220 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Arroyo_16, Burritobowl_15
• Track 2 : Stromboli_15
• Track 3 : Didgeridoo_77
• Track 4 : Grist_15, IndyLu_15, Kate33_15, BabyDaisy_16
• Track 5 : BabyYoda_15
• Track 6 : Slay_15
• Track 7 : WalkingDead_15

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

The start number called the most often in the published annotations is 26, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arroyo_16, BabyDaisy_16, BabyYoda_15, Burritobowl_15, Didgeridoo_77, Grist_15, IndyLu_15, Kate33_15, Slay_15, Stromboli_15, WalkingDead_15,

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 26:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arroyo_16 (EB), BabyDaisy_16 (EB), BabyYoda_15 (EB), Burritobowl_15 (EB), Didgeridoo_77 (EB), Grist_15 (EB), IndyLu_15 (EB), Kate33_15 (EB), Slay_15 (EB), Stromboli_15 (EB), WalkingDead_15 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 26 was manually annotated 9 times for cluster EB.

Gene Information:

Gene: Arroyo_16 Start: 10696, Stop: 10430, Start Num: 26
Candidate Starts for Arroyo_16:
(Start: 26 @10696 has 9 MA's), (27, 10669), (33, 10498),

Gene: BabyDaisy_16 Start: 10448, Stop: 10179, Start Num: 26
Candidate Starts for BabyDaisy_16:
(22, 10508), (23, 10484), (Start: 26 @10448 has 9 MA's), (27, 10421), (33, 10250),

Gene: BabyYoda_15 Start: 10447, Stop: 10181, Start Num: 26
Candidate Starts for BabyYoda_15:
(23, 10483), (25, 10468), (Start: 26 @10447 has 9 MA's), (28, 10327), (31, 10273), (36, 10210),

Gene: Burritobowl_15 Start: 10254, Stop: 9985, Start Num: 26
Candidate Starts for Burritobowl_15:
(Start: 26 @10254 has 9 MA's), (27, 10227), (33, 10056),

Gene: Didgeridoo_77 Start: 10450, Stop: 10181, Start Num: 26
Candidate Starts for Didgeridoo_77:
(1, 10918), (3, 10831), (4, 10801), (5, 10792), (6, 10786), (7, 10783), (8, 10756), (9, 10726), (10, 10723), (11, 10714), (12, 10708), (13, 10699), (14, 10696), (16, 10663), (17, 10648), (18, 10633), (19, 10588), (20, 10579), (22, 10510), (23, 10486), (24, 10483), (Start: 26 @10450 has 9 MA's), (29, 10327), (32, 10270), (34, 10234), (37, 10210),

Gene: Grist_15 Start: 10272, Stop: 10003, Start Num: 26
Candidate Starts for Grist_15:
(22, 10332), (23, 10308), (Start: 26 @10272 has 9 MA's), (27, 10245), (33, 10074),

Gene: IndyLu_15 Start: 10272, Stop: 10003, Start Num: 26
Candidate Starts for IndyLu_15:
(22, 10332), (23, 10308), (Start: 26 @10272 has 9 MA's), (27, 10245), (33, 10074),

Gene: Kate33_15 Start: 10271, Stop: 10002, Start Num: 26
Candidate Starts for Kate33_15:
(22, 10331), (23, 10307), (Start: 26 @10271 has 9 MA's), (27, 10244), (33, 10073),

Gene: Slay_15 Start: 10680, Stop: 10411, Start Num: 26
Candidate Starts for Slay_15:
(Start: 26 @10680 has 9 MA's), (27, 10653), (30, 10530), (33, 10482), (35, 10446),

Gene: Stromboli_15 Start: 10446, Stop: 10180, Start Num: 26
Candidate Starts for Stromboli_15:

(2, 10842), (3, 10827), (4, 10797), (5, 10788), (6, 10782), (7, 10779), (9, 10722), (11, 10710), (15, 10671), (16, 10659), (17, 10644), (18, 10629), (19, 10584), (20, 10575), (21, 10512), (22, 10506), (23, 10482), (Start: 26 @10446 has 9 MA's), (28, 10326), (31, 10272), (36, 10209),

Gene: WalkingDead_15 Start: 10434, Stop: 10168, Start Num: 26
Candidate Starts for WalkingDead_15:
(23, 10470), (Start: 26 @10434 has 9 MA's), (28, 10314), (31, 10260), (36, 10197),