Pham 348397


2
10
13
15
16
20
25
27
32
1: Reynauld_57
3
7
9
12
15
17
18
19
20
22
24
29
2: GordTnk2_64 + 1
3
7
9
12
15
18
19
20
22
24
29
3: GordDuk1_63
1
6
7
9
15
19
20
22
29
31
4: GMA3_63
4
8
9
11
14
15
19
20
21
22
23
26
28
30
31
5: Jumbo_61

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 348397 Report

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

Pham number 348397 has 6 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Reynauld_57
• Track 2 : GordTnk2_64, Gmala1_59
• Track 3 : GordDuk1_63
• Track 4 : GMA3_63
• Track 5 : Jumbo_61

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 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Jumbo_61,

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

Genes that do not have the "Most Annotated" start:
• GMA3_63, Gmala1_59, GordDuk1_63, GordTnk2_64, Reynauld_57,

Summary by start number:

Start 7:
• Found in 4 of 6 (66.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA3_63 (DF2), Gmala1_59 (DF1), GordDuk1_63 (DF1), GordTnk2_64 (DF1),

Start 8:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jumbo_61 (DF3),

Start 10:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Reynauld_57 (CH),

Summary by clusters:

There are 4 clusters represented in this pham: CH, DF1, DF3, DF2,

Info for manual annotations of cluster CH:
•Start number 10 was manually annotated 1 time for cluster CH.

Info for manual annotations of cluster DF3:
•Start number 8 was manually annotated 1 time for cluster DF3.

Gene Information:

Gene: GMA3_63 Start: 53080, Stop: 52397, Start Num: 7
Candidate Starts for GMA3_63:
(1, 53188), (5, 53116), (6, 53113), (7, 53080), (9, 53074), (15, 52954), (19, 52864), (20, 52858), (22, 52792), (29, 52591), (31, 52408),

Gene: Gmala1_59 Start: 50665, Stop: 50000, Start Num: 7
Candidate Starts for Gmala1_59:
(3, 50734), (7, 50665), (9, 50659), (12, 50566), (15, 50539), (17, 50464), (18, 50452), (19, 50449), (20, 50443), (22, 50377), (24, 50338), (29, 50173),

Gene: GordDuk1_63 Start: 51214, Stop: 50549, Start Num: 7
Candidate Starts for GordDuk1_63:
(3, 51283), (7, 51214), (9, 51208), (12, 51115), (15, 51088), (18, 51001), (19, 50998), (20, 50992), (22, 50926), (24, 50887), (29, 50722),

Gene: GordTnk2_64 Start: 51375, Stop: 50710, Start Num: 7
Candidate Starts for GordTnk2_64:
(3, 51444), (7, 51375), (9, 51369), (12, 51276), (15, 51249), (17, 51174), (18, 51162), (19, 51159), (20, 51153), (22, 51087), (24, 51048), (29, 50883),

Gene: Jumbo_61 Start: 55250, Stop: 54588, Start Num: 8
Candidate Starts for Jumbo_61:
(4, 55307), (Start: 8 @55250 has 1 MA's), (9, 55244), (11, 55193), (14, 55142), (15, 55124), (19, 55034), (20, 55028), (21, 55016), (22, 54962), (23, 54926), (26, 54860), (28, 54800), (30, 54611), (31, 54599),

Gene: Reynauld_57 Start: 51608, Stop: 50766, Start Num: 10
Candidate Starts for Reynauld_57:
(2, 51695), (Start: 10 @51608 has 1 MA's), (13, 51518), (15, 51500), (16, 51449), (20, 51389), (25, 51278), (27, 51182), (32, 50777),