Pham 348197


4
5
6
8
11
14
15
16
1: Mareelih_31 + 3
1
2
3
7
9
10
12
13
17
18
22
23
2: Constella_156 + 2
1
2
3
7
9
10
12
13
18
21
22
23
3: ThreeRngTarjay_158
3
9
10
12
13
20
4: MiaZeal_161 + 2
3
7
10
18
19
21
5: Rearden_158
3
7
9
10
12
13
18
6: Omega_170

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 348197 Report

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

Pham number 348197 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Mareelih_31, BlueNGold_31, Boopy_33, Forza_32
• Track 2 : Constella_156, Hidrated_150, Xiaokay_156
• Track 3 : ThreeRngTarjay_158
• Track 4 : MiaZeal_161, Porcelain_158, Lucky2013_154
• Track 5 : Rearden_158
• Track 6 : Omega_170

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 4 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueNGold_31, Boopy_33, Forza_32, Mareelih_31,

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

Genes that do not have the "Most Annotated" start:
• Constella_156, Hidrated_150, Lucky2013_154, MiaZeal_161, Omega_170, Porcelain_158, Rearden_158, ThreeRngTarjay_158, Xiaokay_156,

Summary by start number:

Start 2:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 3 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Constella_156 (J), Hidrated_150 (J), ThreeRngTarjay_158 (J), Xiaokay_156 (J),

Start 3:
• Found in 9 of 13 (69.2%) of genes in pham
• Manual Annotations of this start: 4 of 11

• Called 55.6% of time when present
• Phage (with cluster) where this start called: Lucky2013_154 (J), MiaZeal_161 (J), Omega_170 (J), Porcelain_158 (J), Rearden_158 (J),

Start 4:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueNGold_31 (DS), Boopy_33 (DS), Forza_32 (DS), Mareelih_31 (DS),

Summary by clusters:

There are 2 clusters represented in this pham: J, DS,

Info for manual annotations of cluster DS:
•Start number 4 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 3 times for cluster J.
•Start number 3 was manually annotated 4 times for cluster J.

Gene Information:

Gene: BlueNGold_31 Start: 11220, Stop: 10870, Start Num: 4
Candidate Starts for BlueNGold_31:
(Start: 4 @11220 has 4 MA's), (5, 11202), (6, 11184), (8, 11133), (11, 11067), (14, 10992), (15, 10983), (16, 10944),

Gene: Boopy_33 Start: 11232, Stop: 10882, Start Num: 4
Candidate Starts for Boopy_33:
(Start: 4 @11232 has 4 MA's), (5, 11214), (6, 11196), (8, 11145), (11, 11079), (14, 11004), (15, 10995), (16, 10956),

Gene: Constella_156 Start: 84801, Stop: 85325, Start Num: 2
Candidate Starts for Constella_156:
(1, 84660), (Start: 2 @84801 has 3 MA's), (Start: 3 @84813 has 4 MA's), (7, 84864), (9, 84927), (10, 84972), (12, 85011), (13, 85044), (17, 85143), (18, 85164), (22, 85236), (23, 85260),

Gene: Forza_32 Start: 11148, Stop: 10798, Start Num: 4
Candidate Starts for Forza_32:
(Start: 4 @11148 has 4 MA's), (5, 11130), (6, 11112), (8, 11061), (11, 10995), (14, 10920), (15, 10911), (16, 10872),

Gene: Hidrated_150 Start: 86296, Stop: 86820, Start Num: 2
Candidate Starts for Hidrated_150:
(1, 86155), (Start: 2 @86296 has 3 MA's), (Start: 3 @86308 has 4 MA's), (7, 86359), (9, 86422), (10, 86467), (12, 86506), (13, 86539), (17, 86638), (18, 86659), (22, 86731), (23, 86755),

Gene: Lucky2013_154 Start: 81047, Stop: 81454, Start Num: 3
Candidate Starts for Lucky2013_154:

(Start: 3 @81047 has 4 MA's), (9, 81155), (10, 81200), (12, 81239), (13, 81272), (20, 81413),

Gene: Mareelih_31 Start: 10677, Stop: 10327, Start Num: 4
Candidate Starts for Mareelih_31:
(Start: 4 @10677 has 4 MA's), (5, 10659), (6, 10641), (8, 10590), (11, 10524), (14, 10449), (15, 10440), (16, 10401),

Gene: MiaZeal_161 Start: 82194, Stop: 82601, Start Num: 3
Candidate Starts for MiaZeal_161:
(Start: 3 @82194 has 4 MA's), (9, 82302), (10, 82347), (12, 82386), (13, 82419), (20, 82560),

Gene: Omega_170 Start: 87510, Stop: 87914, Start Num: 3
Candidate Starts for Omega_170:
(Start: 3 @87510 has 4 MA's), (7, 87555), (9, 87618), (10, 87663), (12, 87702), (13, 87735), (18, 87855),

Gene: Porcelain_158 Start: 81993, Stop: 82400, Start Num: 3
Candidate Starts for Porcelain_158:
(Start: 3 @81993 has 4 MA's), (9, 82101), (10, 82146), (12, 82185), (13, 82218), (20, 82359),

Gene: Rearden_158 Start: 83279, Stop: 83656, Start Num: 3
Candidate Starts for Rearden_158:
(Start: 3 @83279 has 4 MA's), (7, 83324), (10, 83417), (18, 83591), (19, 83609), (21, 83615),

Gene: ThreeRngTarjay_158 Start: 86296, Stop: 86820, Start Num: 2
Candidate Starts for ThreeRngTarjay_158:
(1, 86155), (Start: 2 @86296 has 3 MA's), (Start: 3 @86308 has 4 MA's), (7, 86359), (9, 86422), (10, 86467), (12, 86506), (13, 86539), (18, 86659), (21, 86683), (22, 86731), (23, 86755),

Gene: Xiaokay_156 Start: 85765, Stop: 86289, Start Num: 2
Candidate Starts for Xiaokay_156:
(1, 85624), (Start: 2 @85765 has 3 MA's), (Start: 3 @85777 has 4 MA's), (7, 85828), (9, 85891), (10, 85936), (12, 85975), (13, 86008), (17, 86107), (18, 86128), (22, 86200), (23, 86224),