Pham 291639

5
7
8
10
15
17
18
1: Kristoff_82 + 1
1
4
7
8
10
17
2: Eaglepride_87
1
7
8
10
15
17
18
3: Topanga_74
1
4
7
8
10
15
17
18
4: Twister_85
1
4
7
8
10
15
17
18
5: WalterMcMickey_84
2
3
9
11
13
14
16
17
6: WeiHuaDA_88
5
6
12
15
17
7: BlueBird_89 + 7

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 291639 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291639 has 15 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Kristoff_82, Rebeuca_85
• Track 2 : Eaglepride_87
• Track 3 : Topanga_74
• Track 4 : Twister_85
• Track 5 : WalterMcMickey_84
• Track 6 : WeiHuaDA_88
• Track 7 : BlueBird_89, Puppy_88, SaturnRing_88, Giroux_90, Bugatti_88, Pistachio_87, Clammy_88, TNguyen7_88

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

The start number called the most often in the published annotations is 7, it was called in 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Eaglepride_87, Kristoff_82, Rebeuca_85, Topanga_74, WalterMcMickey_84,

Genes that have the "Most Annotated" start but do not call it:
• Twister_85,

Genes that do not have the "Most Annotated" start:
• BlueBird_89, Bugatti_88, Clammy_88, Giroux_90, Pistachio_87, Puppy_88, SaturnRing_88, TNguyen7_88, WeiHuaDA_88,

Summary by start number:

Start 6:
• Found in 8 of 15 (53.3%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueBird_89 (A3), Bugatti_88 (A3), Clammy_88 (A3), Giroux_90 (A3), Pistachio_87 (A3), Puppy_88 (A3), SaturnRing_88 (A3), TNguyen7_88 (A3),

Start 7:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Eaglepride_87 (A10), Kristoff_82 (A10), Rebeuca_85 (A10), Topanga_74 (A10), WalterMcMickey_84 (A10),

Start 8:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Twister_85 (A10),

Start 11:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: WeiHuaDA_88 (A2),

Summary by clusters:

There are 3 clusters represented in this pham: A3, A2, A10,

Info for manual annotations of cluster A10:
•Start number 7 was manually annotated 5 times for cluster A10.
•Start number 8 was manually annotated 1 time for cluster A10.

Info for manual annotations of cluster A3:
•Start number 6 was manually annotated 5 times for cluster A3.

Gene Information:

Gene: BlueBird_89 Start: 48203, Stop: 47985, Start Num: 6
Candidate Starts for BlueBird_89:
(5, 48230), (Start: 6 @48203 has 5 MA's), (12, 48140), (15, 48122), (17, 48050),

Gene: Bugatti_88 Start: 48203, Stop: 47985, Start Num: 6
Candidate Starts for Bugatti_88:
(5, 48230), (Start: 6 @48203 has 5 MA's), (12, 48140), (15, 48122), (17, 48050),

Gene: Clammy_88 Start: 48203, Stop: 47985, Start Num: 6
Candidate Starts for Clammy_88:
(5, 48230), (Start: 6 @48203 has 5 MA's), (12, 48140), (15, 48122), (17, 48050),

Gene: Eaglepride_87 Start: 48695, Stop: 48462, Start Num: 7
Candidate Starts for Eaglepride_87:
(1, 48872), (4, 48776), (Start: 7 @48695 has 5 MA's), (Start: 8 @48680 has 1 MA's), (10, 48671), (17, 48527),

Gene: Giroux_90 Start: 48202, Stop: 47984, Start Num: 6

Candidate Starts for Giroux_90:
(5, 48229), (Start: 6 @48202 has 5 MA's), (12, 48139), (15, 48121), (17, 48049),

Gene: Kristoff_82 Start: 49033, Stop: 48797, Start Num: 7
Candidate Starts for Kristoff_82:
(5, 49066), (Start: 7 @49033 has 5 MA's), (Start: 8 @49018 has 1 MA's), (10, 49009), (15, 48940), (17, 48862), (18, 48829),

Gene: Pistachio_87 Start: 47750, Stop: 47532, Start Num: 6
Candidate Starts for Pistachio_87:
(5, 47777), (Start: 6 @47750 has 5 MA's), (12, 47687), (15, 47669), (17, 47597),

Gene: Puppy_88 Start: 47820, Stop: 47602, Start Num: 6
Candidate Starts for Puppy_88:
(5, 47847), (Start: 6 @47820 has 5 MA's), (12, 47757), (15, 47739), (17, 47667),

Gene: Rebeuca_85 Start: 49034, Stop: 48798, Start Num: 7
Candidate Starts for Rebeuca_85:
(5, 49067), (Start: 7 @49034 has 5 MA's), (Start: 8 @49019 has 1 MA's), (10, 49010), (15, 48941), (17, 48863), (18, 48830),

Gene: SaturnRing_88 Start: 48203, Stop: 47985, Start Num: 6
Candidate Starts for SaturnRing_88:
(5, 48230), (Start: 6 @48203 has 5 MA's), (12, 48140), (15, 48122), (17, 48050),

Gene: TNguyen7_88 Start: 48161, Stop: 47943, Start Num: 6
Candidate Starts for TNguyen7_88:
(5, 48188), (Start: 6 @48161 has 5 MA's), (12, 48098), (15, 48080), (17, 48008),

Gene: Topanga_74 Start: 45508, Stop: 45263, Start Num: 7
Candidate Starts for Topanga_74:
(1, 45685), (Start: 7 @45508 has 5 MA's), (Start: 8 @45493 has 1 MA's), (10, 45484), (15, 45415), (17, 45337), (18, 45304),

Gene: Twister_85 Start: 48707, Stop: 48477, Start Num: 8
Candidate Starts for Twister_85:
(1, 48899), (4, 48803), (Start: 7 @48722 has 5 MA's), (Start: 8 @48707 has 1 MA's), (10, 48698), (15, 48629), (17, 48551), (18, 48518),

Gene: WalterMcMickey_84 Start: 48722, Stop: 48477, Start Num: 7
Candidate Starts for WalterMcMickey_84:
(1, 48899), (4, 48803), (Start: 7 @48722 has 5 MA's), (Start: 8 @48707 has 1 MA's), (10, 48698), (15, 48629), (17, 48551), (18, 48518),

Gene: WeiHuaDA_88 Start: 49575, Stop: 49372, Start Num: 11
Candidate Starts for WeiHuaDA_88:
(2, 49722), (3, 49710), (9, 49590), (11, 49575), (13, 49551), (14, 49524), (16, 49500), (17, 49440),