Pham 198771


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14
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29
31
1: DatBoi_4
1
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14
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2: Mollymur_4
14
16
22
24
26
33
35
37
38
3: Audell_41
10
11
14
17
22
27
36
4: AnnabelLee_41
14
16
20
22
26
28
37
5: TMaxx_44
12
15
20
22
23
30
32
34
6: Cantare_114

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 198771 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198771 has 6 members, 3 are drafts.

Phages represented in each track:
• Track 1 : DatBoi_4
• Track 2 : Mollymur_4
• Track 3 : Audell_41
• Track 4 : AnnabelLee_41
• Track 5 : TMaxx_44
• Track 6 : Cantare_114

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

The start number called the most often in the published annotations is 14, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnnabelLee_41, DatBoi_4, Mollymur_4,

Genes that have the "Most Annotated" start but do not call it:
• Audell_41, TMaxx_44,

Genes that do not have the "Most Annotated" start:
• Cantare_114,

Summary by start number:

Start 14:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 60.0% of time when present
• Phage (with cluster) where this start called: AnnabelLee_41 (FR), DatBoi_4 (DL), Mollymur_4 (DL),

Start 15:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Cantare_114 (singleton),

Start 16:
• Found in 2 of 6 (33.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Audell_41 (FR), TMaxx_44 (FR),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, FR, DL,

Info for manual annotations of cluster DL:
•Start number 14 was manually annotated 2 times for cluster DL.

Gene Information:

Gene: AnnabelLee_41 Start: 29186, Stop: 28641, Start Num: 14
Candidate Starts for AnnabelLee_41:
(10, 29258), (11, 29249), (Start: 14 @29186 has 2 MA's), (17, 29147), (22, 29060), (27, 28958), (36, 28670),

Gene: Audell_41 Start: 31855, Stop: 31328, Start Num: 16
Candidate Starts for Audell_41:
(Start: 14 @31867 has 2 MA's), (16, 31855), (22, 31741), (24, 31684), (26, 31666), (33, 31495), (35, 31459), (37, 31351), (38, 31342),

Gene: Cantare_114 Start: 82997, Stop: 83470, Start Num: 15
Candidate Starts for Cantare_114:
(12, 82931), (Start: 15 @82997 has 1 MA's), (20, 83096), (22, 83120), (23, 83156), (30, 83297), (32, 83333), (34, 83360),

Gene: DatBoi_4 Start: 1881, Stop: 2372, Start Num: 14
Candidate Starts for DatBoi_4:
(6, 1518), (8, 1713), (9, 1788), (13, 1824), (Start: 14 @1881 has 2 MA's), (18, 1965), (19, 1968), (21, 2001), (22, 2007), (23, 2046), (24, 2067), (25, 2070), (29, 2160), (31, 2199),

Gene: Mollymur_4 Start: 1661, Stop: 2152, Start Num: 14
Candidate Starts for Mollymur_4:
(1, 1046), (2, 1076), (3, 1112), (4, 1157), (5, 1166), (7, 1304), (Start: 14 @1661 has 2 MA's), (18, 1745), (21, 1781), (22, 1787), (24, 1847), (25, 1850), (29, 1940), (31, 1979),

Gene: TMaxx_44 Start: 30109, Stop: 29585, Start Num: 16
Candidate Starts for TMaxx_44:
(Start: 14 @30121 has 2 MA's), (16, 30109), (20, 30019), (22, 29995), (26, 29920), (28, 29854), (37, 29608),