Pham 200835

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18
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1: Windest_42
18
41
43
44
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2: Lawnathon_42
16
24
27
30
32
36
3: BlueShadow_42
13
15
17
22
23
33
36
38
39
4: Anekin_38
3
6
9
18
21
26
28
42
45
5: SpicyFrank_41
18
29
41
43
44
46
6: Richie_42
10
18
44
7: Hestia_40
1
2
8
11
18
20
29
35
41
43
44
46
8: AdaS_38
18
31
34
37
9: Tiff81_39
12
14
40
47
10: Lenoxika_65 + 1

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 200835 Report

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

Pham number 200835 has 11 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Windest_42
• Track 2 : Lawnathon_42
• Track 3 : BlueShadow_42
• Track 4 : Anekin_38
• Track 5 : SpicyFrank_41
• Track 6 : Richie_42
• Track 7 : Hestia_40
• Track 8 : AdaS_38
• Track 9 : Tiff81_39
• Track 10 : Lenoxika_65, AllBusiness_63

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

The start number called the most often in the published annotations is 18, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hestia_40, Lawnathon_42, Richie_42, SpicyFrank_41, Tiff81_39, Windest_42,

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

Genes that do not have the "Most Annotated" start:
• AdaS_38, AllBusiness_63, Anekin_38, BlueShadow_42, Lenoxika_65,

Summary by start number:

Start 11:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AdaS_38 (AY),

Start 12:

• Found in 2 of 11 (18.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AllBusiness_63 (FF), Lenoxika_65 (FF),

Start 16:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueShadow_42 (AY),

Start 17:
• Found in 1 of 11 (9.1%) 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: Anekin_38 (AY),

Start 18:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hestia_40 (AY), Lawnathon_42 (AY), Richie_42 (AY), SpicyFrank_41 (AY), Tiff81_39 (AY), Windest_42 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FF,

Info for manual annotations of cluster AY:
•Start number 17 was manually annotated 1 time for cluster AY.
•Start number 18 was manually annotated 2 times for cluster AY.

Gene Information:

Gene: AdaS_38 Start: 26390, Stop: 25854, Start Num: 11
Candidate Starts for AdaS_38:
(1, 26561), (2, 26546), (8, 26441), (11, 26390), (19, 26276), (20, 26273), (29, 26153), (35, 26132), (41, 26018), (43, 25967), (44, 25949), (46, 25931),

Gene: AllBusiness_63 Start: 42408, Stop: 42935, Start Num: 12
Candidate Starts for AllBusiness_63:
(12, 42408), (14, 42426), (40, 42717), (47, 42855),

Gene: Anekin_38 Start: 27545, Stop: 27171, Start Num: 17
Candidate Starts for Anekin_38:
(13, 27608), (15, 27578), (Start: 17 @27545 has 1 MA's), (22, 27494), (23, 27482), (33, 27407), (36, 27395), (38, 27356), (39, 27344),

Gene: BlueShadow_42 Start: 28230, Stop: 27841, Start Num: 16
Candidate Starts for BlueShadow_42:

(16, 28230), (24, 28146), (27, 28125), (30, 28095), (32, 28086), (36, 28065),

Gene: Hestia_40 Start: 27726, Stop: 27310, Start Num: 18
Candidate Starts for Hestia_40:
(10, 27885), (Start: 18 @27726 has 2 MA's), (44, 27396),

Gene: Lawnathon_42 Start: 28163, Stop: 27801, Start Num: 18
Candidate Starts for Lawnathon_42:
(Start: 18 @28163 has 2 MA's), (41, 27965), (43, 27914), (44, 27896), (46, 27878),

Gene: Lenoxika_65 Start: 41111, Stop: 41638, Start Num: 12
Candidate Starts for Lenoxika_65:
(12, 41111), (14, 41129), (40, 41420), (47, 41558),

Gene: Richie_42 Start: 28324, Stop: 27962, Start Num: 18
Candidate Starts for Richie_42:
(Start: 18 @28324 has 2 MA's), (29, 28216), (41, 28126), (43, 28075), (44, 28057), (46, 28039),

Gene: SpicyFrank_41 Start: 28170, Stop: 27721, Start Num: 18
Candidate Starts for SpicyFrank_41:
(3, 28392), (6, 28353), (9, 28323), (Start: 18 @28170 has 2 MA's), (21, 28158), (26, 28086), (28, 28059), (42, 27876), (45, 27807),

Gene: Tiff81_39 Start: 25801, Stop: 25427, Start Num: 18
Candidate Starts for Tiff81_39:
(Start: 18 @25801 has 2 MA's), (31, 25684), (34, 25669), (37, 25618),

Gene: Windest_42 Start: 27278, Stop: 26847, Start Num: 18
Candidate Starts for Windest_42:
(4, 27491), (5, 27479), (7, 27455), (Start: 18 @27278 has 2 MA's), (25, 27206), (41, 27011), (43, 26960), (44, 26942), (46, 26924),