Pham 5701

1
3
4
6
8
9
13
15
17
19
1: Asis_15 + 5
1
3
4
6
8
9
13
15
17
19
21
2: RainyPolka_16
3
4
7
8
9
10
14
3: Mischief19_17
2
3
4
6
8
9
13
15
17
19
22
4: Abt2graduatex2_16
3
4
6
8
9
13
15
17
19
5: YDN12_16
5
9
11
12
14
16
17
18
19
20
6: Xkcd426_16

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 5701 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5701 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Asis_15, Maih_15, BayC_15, TP1604_15, BabyGotBac_15, Salete_15
• Track 2 : RainyPolka_16
• Track 3 : Mischief19_17
• Track 4 : Abt2graduatex2_16
• Track 5 : YDN12_16
• Track 6 : Xkcd426_16

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

The start number called the most often in the published annotations is 9, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abt2graduatex2_16, Asis_15, BabyGotBac_15, BayC_15, Maih_15, RainyPolka_16, Salete_15, TP1604_15, Xkcd426_16, YDN12_16,

Genes that have the "Most Annotated" start but do not call it:
• Mischief19_17,

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

Summary by start number:

Start 8:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Mischief19_17 (BG),

Start 9:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 10
• Called 90.9% of time when present

• Phage (with cluster) where this start called: Abt2graduatex2_16 (BG), Asis_15 (BG), BabyGotBac_15 (BG), BayC_15 (BG), Maih_15 (BG), RainyPolka_16 (BG), Salete_15 (BG), TP1604_15 (BG), Xkcd426_16 (BG), YDN12_16 (BG),

Summary by clusters:

There is one cluster represented in this pham: BG

Info for manual annotations of cluster BG:
•Start number 8 was manually annotated 1 time for cluster BG.
•Start number 9 was manually annotated 9 times for cluster BG.

Gene Information:

Gene: Abt2graduatex2_16 Start: 16913, Stop: 17341, Start Num: 9
Candidate Starts for Abt2graduatex2_16:
(2, 16598), (3, 16712), (4, 16778), (6, 16850), (Start: 8 @16889 has 1 MA's), (Start: 9 @16913 has 9 MA's), (13, 16994), (15, 17030), (17, 17078), (19, 17126), (22, 17291),

Gene: Asis_15 Start: 16437, Stop: 16859, Start Num: 9
Candidate Starts for Asis_15:
(1, 16017), (3, 16236), (4, 16302), (6, 16374), (Start: 8 @16413 has 1 MA's), (Start: 9 @16437 has 9 MA's), (13, 16518), (15, 16554), (17, 16602), (19, 16650),

Gene: BabyGotBac_15 Start: 16437, Stop: 16859, Start Num: 9
Candidate Starts for BabyGotBac_15:
(1, 16017), (3, 16236), (4, 16302), (6, 16374), (Start: 8 @16413 has 1 MA's), (Start: 9 @16437 has 9 MA's), (13, 16518), (15, 16554), (17, 16602), (19, 16650),

Gene: BayC_15 Start: 16437, Stop: 16859, Start Num: 9
Candidate Starts for BayC_15:
(1, 16017), (3, 16236), (4, 16302), (6, 16374), (Start: 8 @16413 has 1 MA's), (Start: 9 @16437 has 9 MA's), (13, 16518), (15, 16554), (17, 16602), (19, 16650),

Gene: Maih_15 Start: 16436, Stop: 16858, Start Num: 9
Candidate Starts for Maih_15:
(1, 16016), (3, 16235), (4, 16301), (6, 16373), (Start: 8 @16412 has 1 MA's), (Start: 9 @16436 has 9 MA's), (13, 16517), (15, 16553), (17, 16601), (19, 16649),

Gene: Mischief19_17 Start: 18937, Stop: 19290, Start Num: 8
Candidate Starts for Mischief19_17:
(3, 18754), (4, 18820), (7, 18931), (Start: 8 @18937 has 1 MA's), (Start: 9 @18970 has 9 MA's), (10, 18982), (14, 19081),

Gene: RainyPolka_16 Start: 16770, Stop: 17204, Start Num: 9
Candidate Starts for RainyPolka_16:
(1, 16347), (3, 16566), (4, 16632), (6, 16704), (Start: 8 @16743 has 1 MA's), (Start: 9 @16770 has 9 MA's), (13, 16851), (15, 16887), (17, 16935), (19, 16983), (21, 17139),

Gene: Salete_15 Start: 16437, Stop: 16859, Start Num: 9
Candidate Starts for Salete_15:

(1, 16017), (3, 16236), (4, 16302), (6, 16374), (Start: 8 @16413 has 1 MA's), (Start: 9 @16437 has 9 MA's), (13, 16518), (15, 16554), (17, 16602), (19, 16650),

Gene: TP1604_15 Start: 16437, Stop: 16859, Start Num: 9
Candidate Starts for TP1604_15:
(1, 16017), (3, 16236), (4, 16302), (6, 16374), (Start: 8 @16413 has 1 MA's), (Start: 9 @16437 has 9 MA's), (13, 16518), (15, 16554), (17, 16602), (19, 16650),

Gene: Xkcd426_16 Start: 17397, Stop: 17780, Start Num: 9
Candidate Starts for Xkcd426_16:
(5, 17301), (Start: 9 @17397 has 9 MA's), (11, 17451), (12, 17478), (14, 17508), (16, 17532), (17, 17562), (18, 17607), (19, 17619), (20, 17712),

Gene: YDN12_16 Start: 16374, Stop: 16796, Start Num: 9
Candidate Starts for YDN12_16:
(3, 16173), (4, 16239), (6, 16311), (Start: 8 @16350 has 1 MA's), (Start: 9 @16374 has 9 MA's), (13, 16455), (15, 16491), (17, 16539), (19, 16587),