Pham 7699


8
11
13
14
15
1: Frankie_72
5
7
10
16
2: Brujita_52 + 1
1
3
4
6
9
11
12
16
3: Che9c_63
8
11
13
14
15
4: SkinnyPete_46
4
8
11
14
15
5: Tortellini_58

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 7699 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7699 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Frankie_72
• Track 2 : Brujita_52, Island3_52
• Track 3 : Che9c_63
• Track 4 : SkinnyPete_46
• Track 5 : Tortellini_58

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

The start number called the most often in the published annotations is 8, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Frankie_72, SkinnyPete_46, Tortellini_58,

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

Genes that do not have the "Most Annotated" start:
• Brujita_52, Che9c_63, Island3_52,

Summary by start number:

Start 8:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankie_72 (F1), SkinnyPete_46 (N), Tortellini_58 (P2),

Start 9:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Che9c_63 (I2),

Start 10:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Brujita_52 (I1), Island3_52 (I1),

Summary by clusters:

There are 5 clusters represented in this pham: I1, P2, F1, I2, N,

Info for manual annotations of cluster F1:
•Start number 8 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster I1:
•Start number 10 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 9 was manually annotated 1 time for cluster I2.

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

Info for manual annotations of cluster P2:
•Start number 8 was manually annotated 1 time for cluster P2.

Gene Information:

Gene: Brujita_52 Start: 36520, Stop: 36822, Start Num: 10
Candidate Starts for Brujita_52:
(5, 36445), (7, 36466), (Start: 10 @36520 has 2 MA's), (16, 36814),

Gene: Che9c_63 Start: 45026, Stop: 45364, Start Num: 9
Candidate Starts for Che9c_63:
(1, 44732), (2, 44903), (3, 44906), (4, 44927), (6, 44978), (Start: 9 @45026 has 1 MA's), (11, 45053), (12, 45098), (16, 45356),

Gene: Frankie_72 Start: 44777, Stop: 45046, Start Num: 8
Candidate Starts for Frankie_72:
(Start: 8 @44777 has 3 MA's), (11, 44804), (13, 44855), (14, 44864), (15, 44960),

Gene: Island3_52 Start: 36520, Stop: 36822, Start Num: 10
Candidate Starts for Island3_52:
(5, 36445), (7, 36466), (Start: 10 @36520 has 2 MA's), (16, 36814),

Gene: SkinnyPete_46 Start: 32582, Stop: 32848, Start Num: 8
Candidate Starts for SkinnyPete_46:
(Start: 8 @32582 has 3 MA's), (11, 32609), (13, 32660), (14, 32669), (15, 32765),

Gene: Tortellini_58 Start: 41660, Stop: 41929, Start Num: 8
Candidate Starts for Tortellini_58:

(4, 41564), (Start: 8 @41660 has 3 MA's), (11, 41687), (14, 41747), (15, 41843),