Pham 297265

2
8
14
15
17
20
1: AreFloNak_76 + 1
2
9
13
15
17
2: Tokki_81
2
6
8
13
15
21
3: Truckee_72 + 1
3
6
9
10
4: Natasha_76
3
5
11
12
16
18
22
5: Sporto_72
1
3
4
7
9
16
18
19
6: Powelldog_76
3
6
9
10
19
7: RustyBoy_77

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 297265 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297265 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : AreFloNak_76, Nivinsha_73
• Track 2 : Tokki_81
• Track 3 : Truckee_72, Makai_74
• Track 4 : Natasha_76
• Track 5 : Sporto_72
• Track 6 : Powelldog_76
• Track 7 : RustyBoy_77

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Natasha_76, Powelldog_76, RustyBoy_77, Sporto_72,

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

Genes that do not have the "Most Annotated" start:
• AreFloNak_76, Makai_74, Nivinsha_73, Tokki_81, Truckee_72,

Summary by start number:

Start 2:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AreFloNak_76 (AU1), Makai_74 (AU5), Nivinsha_73 (AU1), Tokki_81 (AU2), Truckee_72 (AU5),

Start 3:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 4 of 7

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Natasha_76 (AW), Powelldog_76 (AW), RustyBoy_77 (AW), Sporto_72 (AW),

Summary by clusters:

There are 4 clusters represented in this pham: AU1, AU2, AU5, AW,

Info for manual annotations of cluster AU2:
•Start number 2 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster AU5:
•Start number 2 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AW:
•Start number 3 was manually annotated 4 times for cluster AW.

Gene Information:

Gene: AreFloNak_76 Start: 47429, Stop: 47785, Start Num: 2
Candidate Starts for AreFloNak_76:
(Start: 2 @47429 has 3 MA's), (8, 47564), (14, 47612), (15, 47624), (17, 47663), (20, 47726),

Gene: Makai_74 Start: 47957, Stop: 48316, Start Num: 2
Candidate Starts for Makai_74:
(Start: 2 @47957 has 3 MA's), (6, 47996), (8, 48092), (13, 48137), (15, 48152), (21, 48272),

Gene: Natasha_76 Start: 46021, Stop: 46392, Start Num: 3
Candidate Starts for Natasha_76:
(Start: 3 @46021 has 4 MA's), (6, 46048), (9, 46159), (10, 46165),

Gene: Nivinsha_73 Start: 47429, Stop: 47785, Start Num: 2
Candidate Starts for Nivinsha_73:
(Start: 2 @47429 has 3 MA's), (8, 47564), (14, 47612), (15, 47624), (17, 47663), (20, 47726),

Gene: Powelldog_76 Start: 46429, Stop: 46794, Start Num: 3
Candidate Starts for Powelldog_76:
(1, 46366), (Start: 3 @46429 has 4 MA's), (4, 46438), (7, 46531), (9, 46558), (16, 46639), (18, 46687), (19, 46693),

Gene: RustyBoy_77 Start: 46220, Stop: 46591, Start Num: 3
Candidate Starts for RustyBoy_77:
(Start: 3 @46220 has 4 MA's), (6, 46247), (9, 46358), (10, 46364), (19, 46490),

Gene: Sporto_72 Start: 46794, Stop: 47192, Start Num: 3
Candidate Starts for Sporto_72:
(Start: 3 @46794 has 4 MA's), (5, 46815), (11, 46956), (12, 46962), (16, 47031), (18, 47079), (22, 47184),

Gene: Tokki_81 Start: 48071, Stop: 48379, Start Num: 2

Candidate Starts for Tokki_81:
(Start: 2 @48071 has 3 MA's), (9, 48170), (13, 48200), (15, 48215), (17, 48254),

Gene: Truckee_72 Start: 47742, Stop: 48101, Start Num: 2
Candidate Starts for Truckee_72:
(Start: 2 @47742 has 3 MA's), (6, 47781), (8, 47877), (13, 47922), (15, 47937), (21, 48057),