Pham 197095


2
8
9
1: Adaia_20
5
2: Coriander_41 + 3
5
15
3: Dmitri_41
5
8
16
4: Opie_44
1
4
11
5: Phayonce_34
3
6
7
10
12
13
14
6: CyranoPS_19

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 197095 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197095 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Adaia_20
• Track 2 : Coriander_41, TaronosaurasRx_43, Doggs_38, Gusanita_41
• Track 3 : Dmitri_41
• Track 4 : Opie_44
• Track 5 : Phayonce_34
• Track 6 : CyranoPS_19

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Coriander_41, Dmitri_41, Doggs_38, Gusanita_41, Opie_44, TaronosaurasRx_43,

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

Genes that do not have the "Most Annotated" start:
• Adaia_20, CyranoPS_19, Phayonce_34,

Summary by start number:

Start 2:
• Found in 1 of 9 (11.1%) 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: Adaia_20 (AX),

Start 3:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CyranoPS_19 (singleton),

Start 4:
• Found in 1 of 9 (11.1%) 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: Phayonce_34 (P5),

Start 5:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Coriander_41 (DB), Dmitri_41 (DB), Doggs_38 (DB), Gusanita_41 (FF), Opie_44 (DB), TaronosaurasRx_43 (DB),

Summary by clusters:

There are 5 clusters represented in this pham: AX, singleton, DB, FF, P5,

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

Info for manual annotations of cluster DB:
•Start number 5 was manually annotated 3 times for cluster DB.

Info for manual annotations of cluster FF:
•Start number 5 was manually annotated 1 time for cluster FF.

Info for manual annotations of cluster P5:
•Start number 4 was manually annotated 1 time for cluster P5.

Gene Information:

Gene: Adaia_20 Start: 13289, Stop: 13507, Start Num: 2
Candidate Starts for Adaia_20:
(Start: 2 @13289 has 1 MA's), (8, 13343), (9, 13361),

Gene: Coriander_41 Start: 31926, Stop: 32126, Start Num: 5
Candidate Starts for Coriander_41:
(Start: 5 @31926 has 4 MA's),

Gene: CyranoPS_19 Start: 12813, Stop: 13016, Start Num: 3
Candidate Starts for CyranoPS_19:
(3, 12813), (6, 12831), (7, 12843), (10, 12906), (12, 12933), (13, 12939), (14, 12948),

Gene: Dmitri_41 Start: 33516, Stop: 33710, Start Num: 5
Candidate Starts for Dmitri_41:
(Start: 5 @33516 has 4 MA's), (15, 33669),

Gene: Doggs_38 Start: 32655, Stop: 32855, Start Num: 5
Candidate Starts for Doggs_38:
(Start: 5 @32655 has 4 MA's),

Gene: Gusanita_41 Start: 30644, Stop: 30853, Start Num: 5
Candidate Starts for Gusanita_41:
(Start: 5 @30644 has 4 MA's),

Gene: Opie_44 Start: 33313, Stop: 33507, Start Num: 5
Candidate Starts for Opie_44:
(Start: 5 @33313 has 4 MA's), (8, 33340), (16, 33484),

Gene: Phayonce_34 Start: 29517, Stop: 29735, Start Num: 4
Candidate Starts for Phayonce_34:
(1, 29487), (Start: 4 @29517 has 1 MA's), (11, 29625),

Gene: TaronosaurasRx_43 Start: 31715, Stop: 31909, Start Num: 5
Candidate Starts for TaronosaurasRx_43:
(Start: 5 @31715 has 4 MA's),