Pham 5240

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 5240 Report

This analysis was run 07/09/24 on database version 566.

Pham number 5240 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Neobush_33, Maridalia_32, Eudoria_33, Kita_33, Antonio_33, Polly_30, Manasvini_33, Zameen_33, Suscepit_33, Trumpet_33, Tayonia_33

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

The start number called the most often in the published annotations is 1, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Antonio_33, Eudoria_33, Kita_33, Manasvini_33, Maridalia_32, Neobush_33, Polly_30, Suscepit_33, Tayonia_33, Trumpet_33, Zameen_33,

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

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

Summary by start number:

Start 1:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Antonio_33 (CZ1), Eudoria_33 (CZ1), Kita_33 (CZ1), Manasvini_33 (CZ1), Maridalia_32 (CZ1), Neobush_33 (CZ1), Polly_30 (CZ1), Suscepit_33 (CZ1), Tayonia_33 (CZ1), Trumpet_33 (CZ1), Zameen_33 (CZ1),

Summary by clusters:

There is one cluster represented in this pham: CZ1

Info for manual annotations of cluster CZ1:

•Start number 1 was manually annotated 11 times for cluster CZ1.

Gene Information:
Gene: Antonio_33 Start: 28264, Stop: 28623, Start Num: 1
Candidate Starts for Antonio_33:
(Start: 1 @28264 has 11 MA's), (2, 28447), (3, 28525), (4, 28528), (5, 28561),

Gene: Eudoria_33 Start: 28264, Stop: 28623, Start Num: 1
Candidate Starts for Eudoria_33:
(Start: 1 @28264 has 11 MA's), (2, 28447), (3, 28525), (4, 28528), (5, 28561),

Gene: Kita_33 Start: 28273, Stop: 28632, Start Num: 1
Candidate Starts for Kita_33:
(Start: 1 @28273 has 11 MA's), (2, 28456), (3, 28534), (4, 28537), (5, 28570),

Gene: Manasvini_33 Start: 28264, Stop: 28623, Start Num: 1
Candidate Starts for Manasvini_33:
(Start: 1 @28264 has 11 MA's), (2, 28447), (3, 28525), (4, 28528), (5, 28561),

Gene: Maridalia_32 Start: 28264, Stop: 28623, Start Num: 1
Candidate Starts for Maridalia_32:
(Start: 1 @28264 has 11 MA's), (2, 28447), (3, 28525), (4, 28528), (5, 28561),

Gene: Neobush_33 Start: 28264, Stop: 28623, Start Num: 1
Candidate Starts for Neobush_33:
(Start: 1 @28264 has 11 MA's), (2, 28447), (3, 28525), (4, 28528), (5, 28561),

Gene: Polly_30 Start: 27707, Stop: 28066, Start Num: 1
Candidate Starts for Polly_30:
(Start: 1 @27707 has 11 MA's), (2, 27890), (3, 27968), (4, 27971), (5, 28004),

Gene: Suscepit_33 Start: 28265, Stop: 28624, Start Num: 1
Candidate Starts for Suscepit_33:
(Start: 1 @28265 has 11 MA's), (2, 28448), (3, 28526), (4, 28529), (5, 28562),

Gene: Tayonia_33 Start: 28264, Stop: 28623, Start Num: 1
Candidate Starts for Tayonia_33:
(Start: 1 @28264 has 11 MA's), (2, 28447), (3, 28525), (4, 28528), (5, 28561),

Gene: Trumpet_33 Start: 28265, Stop: 28624, Start Num: 1
Candidate Starts for Trumpet_33:
(Start: 1 @28265 has 11 MA's), (2, 28448), (3, 28526), (4, 28529), (5, 28562),

Gene: Zameen_33 Start: 28264, Stop: 28623, Start Num: 1
Candidate Starts for Zameen_33:
(Start: 1 @28264 has 11 MA's), (2, 28447), (3, 28525), (4, 28528), (5, 28561),