Pham 6216

1: Evy_15 + 7

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 6216 Report

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

Pham number 6216 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Evy_15, Targaryen_13, Warpy_16, Jay2Jay_16, Jay2Jay_271, Targaryen_264, Evy_253, Warpy_268

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Evy_15, Evy_253, Jay2Jay_16, Jay2Jay_271, Targaryen_13, Targaryen_264, Warpy_16, Warpy_268,

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 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Evy_15 (BE1), Evy_253 (BE1), Jay2Jay_16 (BE1), Jay2Jay_271 (BE1), Targaryen_13 (BE1), Targaryen_264 (BE1), Warpy_16 (BE1), Warpy_268 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:
•Start number 1 was manually annotated 8 times for cluster BE1.

Gene Information:

Gene: Evy_15 Start: 7774, Stop: 7493, Start Num: 1
Candidate Starts for Evy_15:
(Start: 1 @7774 has 8 MA's), (2, 7693), (3, 7648), (4, 7645), (5, 7609), (6, 7528),

Gene: Evy_253 Start: 129503, Stop: 129222, Start Num: 1
Candidate Starts for Evy_253:
(Start: 1 @129503 has 8 MA's), (2, 129422), (3, 129377), (4, 129374), (5, 129338), (6, 129257),

Gene: Jay2Jay_16 Start: 7478, Stop: 7197, Start Num: 1
Candidate Starts for Jay2Jay_16:
(Start: 1 @7478 has 8 MA's), (2, 7397), (3, 7352), (4, 7349), (5, 7313), (6, 7232),

Gene: Jay2Jay_271 Start: 129571, Stop: 129290, Start Num: 1
Candidate Starts for Jay2Jay_271:
(Start: 1 @129571 has 8 MA's), (2, 129490), (3, 129445), (4, 129442), (5, 129406), (6, 129325),

Gene: Targaryen_13 Start: 7770, Stop: 7489, Start Num: 1
Candidate Starts for Targaryen_13:
(Start: 1 @7770 has 8 MA's), (2, 7689), (3, 7644), (4, 7641), (5, 7605), (6, 7524),

Gene: Targaryen_264 Start: 131446, Stop: 131165, Start Num: 1
Candidate Starts for Targaryen_264:
(Start: 1 @131446 has 8 MA's), (2, 131365), (3, 131320), (4, 131317), (5, 131281), (6, 131200),

Gene: Warpy_16 Start: 7499, Stop: 7218, Start Num: 1
Candidate Starts for Warpy_16:
(Start: 1 @7499 has 8 MA's), (2, 7418), (3, 7373), (4, 7370), (5, 7334), (6, 7253),

Gene: Warpy_268 Start: 129037, Stop: 128756, Start Num: 1
Candidate Starts for Warpy_268:
(Start: 1 @129037 has 8 MA's), (2, 128956), (3, 128911), (4, 128908), (5, 128872), (6, 128791),