Pham 11212

1: BlingBling_74

2: Archis_80

3: Wisp_75

4: ODay_81

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 11212 Report

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

Pham number 11212 has 4 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BlingBling_74
• Track 2 : Archis_80
• Track 3 : Wisp_75
• Track 4 : ODay_81

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

The start number called the most often in the published annotations is 16, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Archis_80, BlingBling_74, Wisp_75,

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

Genes that do not have the "Most Annotated" start:
• ODay_81,

Summary by start number:

Start 13:
• Found in 1 of 4 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ODay_81 (DN),

Start 16:
• Found in 3 of 4 (75.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archis_80 (CV), BlingBling_74 (CV), Wisp_75 (CV),

Summary by clusters:

There are 2 clusters represented in this pham: DN, CV,

Info for manual annotations of cluster CV:
•Start number 16 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster DN:
•Start number 13 was manually annotated 1 time for cluster DN.

Gene Information:

Gene: Archis_80 Start: 47402, Stop: 47761, Start Num: 16
Candidate Starts for Archis_80:
(1, 46523), (2, 46880), (3, 46970), (4, 47078), (5, 47093), (7, 47129), (Start: 16 @47402 has 2 MA's),
(17, 47426), (19, 47558), (20, 47714),

Gene: BlingBling_74 Start: 47149, Stop: 47508, Start Num: 16
Candidate Starts for BlingBling_74:
(14, 47131), (15, 47134), (Start: 16 @47149 has 2 MA's), (17, 47173), (19, 47305), (20, 47461),

Gene: ODay_81 Start: 46591, Stop: 46986, Start Num: 13
Candidate Starts for ODay_81:
(6, 46339), (8, 46408), (9, 46447), (10, 46513), (11, 46519), (12, 46546), (Start: 13 @46591 has 1
MA's), (18, 46681), (20, 46930), (21, 46936),

Gene: Wisp_75 Start: 48021, Stop: 48380, Start Num: 16
Candidate Starts for Wisp_75:
(2, 47499), (3, 47589), (4, 47697), (5, 47712), (7, 47748), (Start: 16 @48021 has 2 MA's), (17, 48045),
(19, 48177), (20, 48333),