Pham 88836

1: Raqqa_35 + 2

2: Sakai_44 + 3

3: BlackSpider_33

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 88836 Report

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

Pham number 88836 has 8 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Raqqa_35, Isolde_44, Auxilium_41
• Track 2 : Sakai_44, YoungHarleezy_44, Gorpy_45, Aikyam_41
• Track 3 : BlackSpider_33

*** 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 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aikyam_41, Auxilium_41, BlackSpider_33, Gorpy_45, Isolde_44, Raqqa_35, Sakai_44, YoungHarleezy_44,

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 3:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikyam_41 (AY), Auxilium_41 (AY), BlackSpider_33 (FN), Gorpy_45 (AY), Isolde_44 (AY), Raqqa_35 (AY), Sakai_44 (AY), YoungHarleezy_44 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FN,

Info for manual annotations of cluster AY:

•Start number 3 was manually annotated 4 times for cluster AY.

Gene Information:

Gene: Aikyam_41 Start: 26744, Stop: 26214, Start Num: 3
Candidate Starts for Aikyam_41:
(1, 26801), (2, 26765), (Start: 3 @26744 has 4 MA's), (4, 26714), (5, 26609), (6, 26579), (7, 26576), (10, 26486), (13, 26288), (14, 26243),

Gene: Auxilium_41 Start: 26446, Stop: 25916, Start Num: 3
Candidate Starts for Auxilium_41:
(1, 26503), (2, 26467), (Start: 3 @26446 has 4 MA's), (4, 26416), (5, 26311), (6, 26281), (7, 26278), (8, 26251), (10, 26188), (13, 25990), (14, 25945),

Gene: BlackSpider_33 Start: 25675, Stop: 26238, Start Num: 3
Candidate Starts for BlackSpider_33:
(Start: 3 @25675 has 4 MA's), (6, 25840), (9, 25897), (11, 26128), (12, 26155),

Gene: Gorpy_45 Start: 30138, Stop: 29608, Start Num: 3
Candidate Starts for Gorpy_45:
(1, 30195), (2, 30159), (Start: 3 @30138 has 4 MA's), (4, 30108), (5, 30003), (6, 29973), (7, 29970), (10, 29880), (13, 29682), (14, 29637),

Gene: Isolde_44 Start: 29030, Stop: 28500, Start Num: 3
Candidate Starts for Isolde_44:
(1, 29087), (2, 29051), (Start: 3 @29030 has 4 MA's), (4, 29000), (5, 28895), (6, 28865), (7, 28862), (8, 28835), (10, 28772), (13, 28574), (14, 28529),

Gene: Raqqa_35 Start: 25987, Stop: 25457, Start Num: 3
Candidate Starts for Raqqa_35:
(1, 26044), (2, 26008), (Start: 3 @25987 has 4 MA's), (4, 25957), (5, 25852), (6, 25822), (7, 25819), (8, 25792), (10, 25729), (13, 25531), (14, 25486),

Gene: Sakai_44 Start: 28849, Stop: 28319, Start Num: 3
Candidate Starts for Sakai_44:
(1, 28906), (2, 28870), (Start: 3 @28849 has 4 MA's), (4, 28819), (5, 28714), (6, 28684), (7, 28681), (10, 28591), (13, 28393), (14, 28348),

Gene: YoungHarleezy_44 Start: 28919, Stop: 28389, Start Num: 3
Candidate Starts for YoungHarleezy_44:
(1, 28976), (2, 28940), (Start: 3 @28919 has 4 MA's), (4, 28889), (5, 28784), (6, 28754), (7, 28751), (10, 28661), (13, 28463), (14, 28418),