Pham 87537

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 87537 Report

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

Pham number 87537 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Kabreeze_63, HumptyDumpty_63, Linus_63, Chocolat_63, Chubster_64, RosiePosie_62, JayCookie_64, MoyaNatalis_63
• Track 2 : Scavito_63
• Track 3 : Colucci_65

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

The start number called the most often in the published annotations is 9, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chocolat_63, Chubster_64, Colucci_65, HumptyDumpty_63, JayCookie_64, Kabreeze_63, Linus_63, MoyaNatalis_63, RosiePosie_62,

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

Genes that do not have the "Most Annotated" start:
• Scavito_63,

Summary by start number:

Start 9:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chocolat_63 (AR), Chubster_64 (AR), Colucci_65 (AR), HumptyDumpty_63 (AR), JayCookie_64 (AR), Kabreeze_63 (AR), Linus_63 (AR), MoyaNatalis_63 (AR), RosiePosie_62 (AR),

Start 10:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Scavito_63 (AR),

Summary by clusters:

There is one cluster represented in this pham: AR

Info for manual annotations of cluster AR:
•Start number 9 was manually annotated 8 times for cluster AR.
•Start number 10 was manually annotated 1 time for cluster AR.

Gene Information:

Gene: Chocolat_63 Start: 44865, Stop: 44966, Start Num: 9
Candidate Starts for Chocolat_63:
(Start: 9 @44865 has 8 MA's), (12, 44910), (13, 44916), (14, 44928), (15, 44940),

Gene: Chubster_64 Start: 45017, Stop: 45118, Start Num: 9
Candidate Starts for Chubster_64:
(Start: 9 @45017 has 8 MA's), (12, 45062), (13, 45068), (14, 45080), (15, 45092),

Gene: Colucci_65 Start: 44921, Stop: 45025, Start Num: 9
Candidate Starts for Colucci_65:
(3, 44810), (7, 44903), (Start: 9 @44921 has 8 MA's), (12, 44966), (13, 44972), (14, 44984), (15, 44996),

Gene: HumptyDumpty_63 Start: 44804, Stop: 44905, Start Num: 9
Candidate Starts for HumptyDumpty_63:
(Start: 9 @44804 has 8 MA's), (12, 44849), (13, 44855), (14, 44867), (15, 44879),

Gene: JayCookie_64 Start: 45276, Stop: 45377, Start Num: 9
Candidate Starts for JayCookie_64:
(Start: 9 @45276 has 8 MA's), (12, 45321), (13, 45327), (14, 45339), (15, 45351),

Gene: Kabreeze_63 Start: 44883, Stop: 44984, Start Num: 9
Candidate Starts for Kabreeze_63:
(Start: 9 @44883 has 8 MA's), (12, 44928), (13, 44934), (14, 44946), (15, 44958),

Gene: Linus_63 Start: 45006, Stop: 45107, Start Num: 9
Candidate Starts for Linus_63:
(Start: 9 @45006 has 8 MA's), (12, 45051), (13, 45057), (14, 45069), (15, 45081),

Gene: MoyaNatalis_63 Start: 44852, Stop: 44953, Start Num: 9
Candidate Starts for MoyaNatalis_63:
(Start: 9 @44852 has 8 MA's), (12, 44897), (13, 44903), (14, 44915), (15, 44927),

Gene: RosiePosie_62 Start: 44542, Stop: 44643, Start Num: 9
Candidate Starts for RosiePosie_62:
(Start: 9 @44542 has 8 MA's), (12, 44587), (13, 44593), (14, 44605), (15, 44617),

Gene: Scavito_63 Start: 44820, Stop: 44918, Start Num: 10
Candidate Starts for Scavito_63:

(1, 44637), (2, 44691), (4, 44715), (5, 44739), (6, 44778), (8, 44805), (Start: 10 @44820 has 1 MA's),
(11, 44835), (12, 44862), (13, 44868), (14, 44880), (15, 44892),