Pham 106709

10 11 12 17 18 19 20
1: BobBob_62
10 11 12 13 14 15 16
2: Love_66
7 9 13 14 15 16
3: Charming_65 + 5
12 13 14 15 16
4: Fitzgerald_60 + 1
2 4 8 10 11 12 17 18 19
5: JKSyngboy_61
10 11 12 17 18 19
6: Affeca_61 + 1
1 3 5 6 10 11 12 17 18 19 20
7: Vivi2_67

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 106709 Report

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

Pham number 106709 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BobBob_62
• Track 2 : Love_66
• Track 3 : Charming_65, Fosterous_65, Sedona_62, Nordenberg_60, Tangent_64, Rofo_62
• Track 4 : Fitzgerald_60, Sanjuju_61
• Track 5 : JKSyngboy_61
• Track 6 : Affeca_61, RiverRaider_64
• Track 7 : Vivi2_67

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

The start number called the most often in the published annotations is 13, it was called in 9 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Charming_65, Fitzgerald_60, Fosterous_65, Love_66, Nordenberg_60, Rofo_62, Sanjuju_61, Sedona_62, Tangent_64,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Affeca_61, BobBob_62, JKSyngboy_61, RiverRaider_64, Vivi2_67,

Summary by start number:

Start 13:
• Found in 9 of 14 (64.3%) of genes in pham
• Manual Annotations of this start: 9 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Charming_65 (DE1), Fitzgerald_60 (DE1), Fosterous_65 (DE1), Love_66 (DE1), Nordenberg_60 (DE1), Rofo_62 (DE1), Sanjuju_61 (DE1), Sedona_62 (DE1), Tangent_64 (DE1),

Start 17:
• Found in 5 of 14 (35.7%) of genes in pham
• Manual Annotations of this start: 4 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Affeca_61 (DE1), BobBob_62 (DE1), JKSyngboy_61 (DE1), RiverRaider_64 (DE1), Vivi2_67 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:
•Start number 13 was manually annotated 9 times for cluster DE1.
•Start number 17 was manually annotated 4 times for cluster DE1.

Gene Information:

Gene: Affeca_61 Start: 49919, Stop: 50044, Start Num: 17
Candidate Starts for Affeca_61:
(10, 49559), (11, 49640), (12, 49709), (Start: 17 @49919 has 4 MA's), (18, 49994), (19, 50018),

Gene: BobBob_62 Start: 49418, Stop: 49543, Start Num: 17
Candidate Starts for BobBob_62:
(10, 49058), (11, 49139), (12, 49208), (Start: 17 @49418 has 4 MA's), (18, 49493), (19, 49517), (20, 49526),

Gene: Charming_65 Start: 49362, Stop: 49487, Start Num: 13
Candidate Starts for Charming_65:
(7, 49077), (9, 49152), (Start: 13 @49362 has 9 MA's), (14, 49437), (15, 49461), (16, 49470),

Gene: Fitzgerald_60 Start: 50241, Stop: 50366, Start Num: 13
Candidate Starts for Fitzgerald_60:
(12, 50208), (Start: 13 @50241 has 9 MA's), (14, 50316), (15, 50340), (16, 50349),

Gene: Fosterous_65 Start: 50356, Stop: 50481, Start Num: 13
Candidate Starts for Fosterous_65:
(7, 50071), (9, 50146), (Start: 13 @50356 has 9 MA's), (14, 50431), (15, 50455), (16, 50464),

Gene: JKSyngboy_61 Start: 49723, Stop: 49848, Start Num: 17
Candidate Starts for JKSyngboy_61:
(2, 49000), (4, 49099), (8, 49267), (10, 49363), (11, 49444), (12, 49513), (Start: 17 @49723 has 4 MA's), (18, 49798), (19, 49822),

Gene: Love_66 Start: 50359, Stop: 50484, Start Num: 13
Candidate Starts for Love_66:
(10, 50176), (11, 50257), (12, 50326), (Start: 13 @50359 has 9 MA's), (14, 50434), (15, 50458), (16, 50467),

Gene: Nordenberg_60 Start: 48926, Stop: 49051, Start Num: 13
Candidate Starts for Nordenberg_60:
(7, 48641), (9, 48716), (Start: 13 @48926 has 9 MA's), (14, 49001), (15, 49025), (16, 49034),

Gene: RiverRaider_64 Start: 47970, Stop: 48095, Start Num: 17
Candidate Starts for RiverRaider_64:
(10, 47610), (11, 47691), (12, 47760), (Start: 17 @47970 has 4 MA's), (18, 48045), (19, 48069),

Gene: Rofo_62 Start: 49938, Stop: 50063, Start Num: 13
Candidate Starts for Rofo_62:
(7, 49653), (9, 49728), (Start: 13 @49938 has 9 MA's), (14, 50013), (15, 50037), (16, 50046),

Gene: Sanjuju_61 Start: 50373, Stop: 50498, Start Num: 13
Candidate Starts for Sanjuju_61:
(12, 50340), (Start: 13 @50373 has 9 MA's), (14, 50448), (15, 50472), (16, 50481),

Gene: Sedona_62 Start: 51087, Stop: 51212, Start Num: 13
Candidate Starts for Sedona_62:
(7, 50802), (9, 50877), (Start: 13 @51087 has 9 MA's), (14, 51162), (15, 51186), (16, 51195),

Gene: Tangent_64 Start: 49643, Stop: 49768, Start Num: 13
Candidate Starts for Tangent_64:
(7, 49358), (9, 49433), (Start: 13 @49643 has 9 MA's), (14, 49718), (15, 49742), (16, 49751),

Gene: Vivi2_67 Start: 50698, Stop: 50823, Start Num: 17
Candidate Starts for Vivi2_67:
(1, 49945), (3, 50041), (5, 50101), (6, 50236), (10, 50338), (11, 50419), (12, 50488), (Start: 17 @50698 has 4 MA's), (18, 50773), (19, 50797), (20, 50806),