Pham 162317

1: RedRaider77_101 + 3

2: MosMoris_97 + 3

3: Caprice_93

4: Pringar_97

5: Beelzebub_105

6: Tesla_97

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 162317 Report

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

Pham number 162317 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : RedRaider77_101, Raela_103, JoieB_102, Poise_102
• Track 2 : MosMoris_97, VasuNzinga_99, Gattaca_100, Blackbeetle_102
• Track 3 : Caprice_93
• Track 4 : Pringar_97
• Track 5 : Beelzebub_105
• Track 6 : Tesla_97

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 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Blackbeetle_102, Caprice_93, Gattaca_100, MosMoris_97, Pringar_97, Tesla_97, VasuNzinga_99,

Genes that have the "Most Annotated" start but do not call it:
• Beelzebub_105, JoieB_102, Poise_102, Raela_103, RedRaider77_101,

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

Summary by start number:

Start 2:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 41.7% of time when present
• Phage (with cluster) where this start called: Beelzebub_105 (S), JoieB_102 (S), Poise_102 (S), Raela_103 (S), RedRaider77_101 (S),

Start 3:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 11

• Called 58.3% of time when present
• Phage (with cluster) where this start called: Blackbeetle_102 (S), Caprice_93 (S), Gattaca_100 (S), MosMoris_97 (S), Pringar_97 (S), Tesla_97 (S), VasuNzinga_99 (S),

Summary by clusters:

There is one cluster represented in this pham: S

Info for manual annotations of cluster S:
•Start number 2 was manually annotated 5 times for cluster S.
•Start number 3 was manually annotated 6 times for cluster S.

Gene Information:

Gene: Beelzebub_105 Start: 58428, Stop: 58165, Start Num: 2
Candidate Starts for Beelzebub_105:
(1, 58494), (Start: 2 @58428 has 5 MA's), (Start: 3 @58401 has 6 MA's), (5, 58284), (6, 58248), (7, 58218), (8, 58188),

Gene: Blackbeetle_102 Start: 57898, Stop: 57662, Start Num: 3
Candidate Starts for Blackbeetle_102:
(1, 57994), (Start: 2 @57928 has 5 MA's), (Start: 3 @57898 has 6 MA's), (6, 57745), (7, 57715), (8, 57685),

Gene: Caprice_93 Start: 57839, Stop: 57603, Start Num: 3
Candidate Starts for Caprice_93:
(1, 57935), (Start: 2 @57869 has 5 MA's), (Start: 3 @57839 has 6 MA's), (5, 57722), (6, 57686), (7, 57656), (8, 57626),

Gene: Gattaca_100 Start: 58310, Stop: 58074, Start Num: 3
Candidate Starts for Gattaca_100:
(1, 58406), (Start: 2 @58340 has 5 MA's), (Start: 3 @58310 has 6 MA's), (6, 58157), (7, 58127), (8, 58097),

Gene: JoieB_102 Start: 58515, Stop: 58249, Start Num: 2
Candidate Starts for JoieB_102:
(1, 58581), (Start: 2 @58515 has 5 MA's), (Start: 3 @58485 has 6 MA's), (6, 58332), (7, 58302), (8, 58272),

Gene: MosMoris_97 Start: 58316, Stop: 58080, Start Num: 3
Candidate Starts for MosMoris_97:
(1, 58412), (Start: 2 @58346 has 5 MA's), (Start: 3 @58316 has 6 MA's), (6, 58163), (7, 58133), (8, 58103),

Gene: Poise_102 Start: 57928, Stop: 57662, Start Num: 2
Candidate Starts for Poise_102:
(1, 57994), (Start: 2 @57928 has 5 MA's), (Start: 3 @57898 has 6 MA's), (6, 57745), (7, 57715), (8, 57685),

Gene: Pringar_97 Start: 57688, Stop: 57452, Start Num: 3

Candidate Starts for Pringar_97:
(1, 57781), (Start: 2 @57715 has 5 MA's), (Start: 3 @57688 has 6 MA's), (5, 57571), (6, 57535), (7, 57505), (8, 57475),

Gene: Raela_103 Start: 58483, Stop: 58217, Start Num: 2
Candidate Starts for Raela_103:
(1, 58549), (Start: 2 @58483 has 5 MA's), (Start: 3 @58453 has 6 MA's), (6, 58300), (7, 58270), (8, 58240),

Gene: RedRaider77_101 Start: 57876, Stop: 57610, Start Num: 2
Candidate Starts for RedRaider77_101:
(1, 57942), (Start: 2 @57876 has 5 MA's), (Start: 3 @57846 has 6 MA's), (6, 57693), (7, 57663), (8, 57633),

Gene: Tesla_97 Start: 57693, Stop: 57457, Start Num: 3
Candidate Starts for Tesla_97:
(1, 57789), (Start: 2 @57723 has 5 MA's), (Start: 3 @57693 has 6 MA's), (4, 57669), (6, 57540), (7, 57510), (8, 57480),

Gene: VasuNzinga_99 Start: 57779, Stop: 57543, Start Num: 3
Candidate Starts for VasuNzinga_99:
(1, 57875), (Start: 2 @57809 has 5 MA's), (Start: 3 @57779 has 6 MA's), (6, 57626), (7, 57596), (8, 57566),