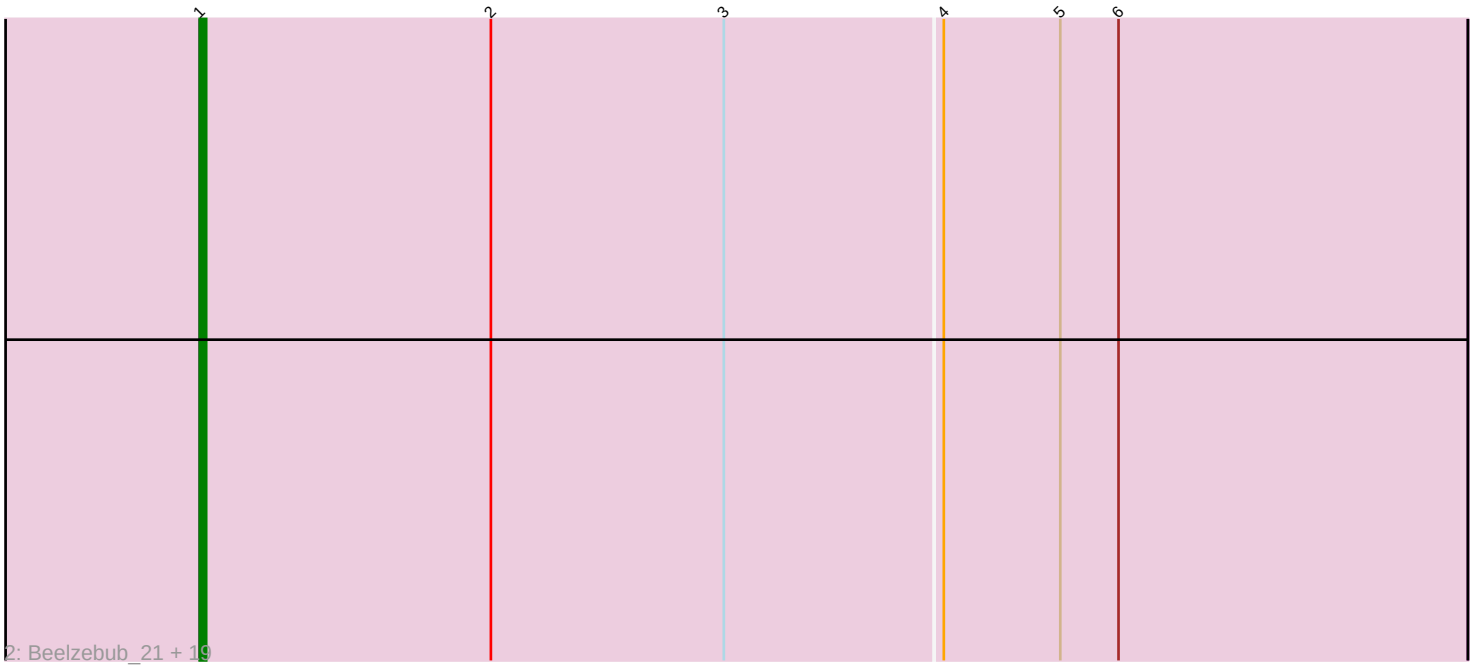
Pham 346167





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 346167 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346167 has 21 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Hawkeye_69
• Track 2 : Beelzebub_21, Huphlepuff_19, Blackbeetle_18, Clarkson_19, Gattaca_17, FeliMaine_19, Pringar_17, Raela_18, Lilbit_18, LittleLaf_18, GoongGoong_17, VasuNzinga_16, Corazon_17, JoieB_18, Tesla_17, Marvin_17, MosMoris_17, RedRaider77_18, Poise_18, Caprice_16

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

The start number called the most often in the published annotations is 1, it was called in 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beelzebub_21, Blackbeetle_18, Caprice_16, Clarkson_19, Corazon_17, FeliMaine_19, Gattaca_17, GoongGoong_17, Hawkeye_69, Huphlepuff_19, JoieB_18, Lilbit_18, LittleLaf_18, Marvin_17, MosMoris_17, Poise_18, Pringar_17, Raela_18, RedRaider77_18, Tesla_17, VasuNzinga_16,

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 1:
• Found in 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 21 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beelzebub_21 (S), Blackbeetle_18 (S), Caprice_16 (S), Clarkson_19 (S), Corazon_17 (S), FeliMaine_19 (S), Gattaca_17 (S), GoongGoong_17 (S), Hawkeye_69 (D2), Huphlepuff_19 (S), JoieB_18 (S), Lilbit_18 (S), LittleLaf_18 (S), Marvin_17 (S), MosMoris_17 (S), Poise_18 (S), Pringar_17 (S), Raela_18 (S), RedRaider77_18 (S), Tesla_17 (S), VasuNzinga_16 (S),

Summary by clusters:

There are 2 clusters represented in this pham: S, D2,

Info for manual annotations of cluster D2:
•Start number 1 was manually annotated 1 time for cluster D2.

Info for manual annotations of cluster S:
•Start number 1 was manually annotated 20 times for cluster S.

Gene Information:

Gene: Beelzebub_21 Start: 5911, Stop: 6105, Start Num: 1
Candidate Starts for Beelzebub_21:
(Start: 1 @5911 has 21 MA's), (2, 5956), (3, 5992), (4, 6025), (5, 6043), (6, 6052),

Gene: Blackbeetle_18 Start: 5244, Stop: 5438, Start Num: 1
Candidate Starts for Blackbeetle_18:
(Start: 1 @5244 has 21 MA's), (2, 5289), (3, 5325), (4, 5358), (5, 5376), (6, 5385),

Gene: Caprice_16 Start: 4560, Stop: 4754, Start Num: 1
Candidate Starts for Caprice_16:
(Start: 1 @4560 has 21 MA's), (2, 4605), (3, 4641), (4, 4674), (5, 4692), (6, 4701),

Gene: Clarkson_19 Start: 5687, Stop: 5881, Start Num: 1
Candidate Starts for Clarkson_19:
(Start: 1 @5687 has 21 MA's), (2, 5732), (3, 5768), (4, 5801), (5, 5819), (6, 5828),

Gene: Corazon_17 Start: 5640, Stop: 5834, Start Num: 1
Candidate Starts for Corazon_17:
(Start: 1 @5640 has 21 MA's), (2, 5685), (3, 5721), (4, 5754), (5, 5772), (6, 5781),

Gene: FeliMaine_19 Start: 5688, Stop: 5882, Start Num: 1
Candidate Starts for FeliMaine_19:
(Start: 1 @5688 has 21 MA's), (2, 5733), (3, 5769), (4, 5802), (5, 5820), (6, 5829),

Gene: Gattaca_17 Start: 5133, Stop: 5327, Start Num: 1
Candidate Starts for Gattaca_17:
(Start: 1 @5133 has 21 MA's), (2, 5178), (3, 5214), (4, 5247), (5, 5265), (6, 5274),

Gene: GoongGoong_17 Start: 5146, Stop: 5340, Start Num: 1
Candidate Starts for GoongGoong_17:
(Start: 1 @5146 has 21 MA's), (2, 5191), (3, 5227), (4, 5260), (5, 5278), (6, 5287),

Gene: Hawkeye_69 Start: 47269, Stop: 47451, Start Num: 1
Candidate Starts for Hawkeye_69:
(Start: 1 @47269 has 21 MA's), (7, 47434),

Gene: Huphlepuff_19 Start: 5417, Stop: 5611, Start Num: 1
Candidate Starts for Huphlepuff_19:

(Start: 1 @5417 has 21 MA's), (2, 5462), (3, 5498), (4, 5531), (5, 5549), (6, 5558),

Gene: JoieB_18 Start: 5636, Stop: 5830, Start Num: 1
Candidate Starts for JoieB_18:
(Start: 1 @5636 has 21 MA's), (2, 5681), (3, 5717), (4, 5750), (5, 5768), (6, 5777),

Gene: Lilbit_18 Start: 5688, Stop: 5882, Start Num: 1
Candidate Starts for Lilbit_18:
(Start: 1 @5688 has 21 MA's), (2, 5733), (3, 5769), (4, 5802), (5, 5820), (6, 5829),

Gene: LittleLaf_18 Start: 5417, Stop: 5611, Start Num: 1
Candidate Starts for LittleLaf_18:
(Start: 1 @5417 has 21 MA's), (2, 5462), (3, 5498), (4, 5531), (5, 5549), (6, 5558),

Gene: Marvin_17 Start: 5612, Stop: 5806, Start Num: 1
Candidate Starts for Marvin_17:
(Start: 1 @5612 has 21 MA's), (2, 5657), (3, 5693), (4, 5726), (5, 5744), (6, 5753),

Gene: MosMoris_17 Start: 5133, Stop: 5327, Start Num: 1
Candidate Starts for MosMoris_17:
(Start: 1 @5133 has 21 MA's), (2, 5178), (3, 5214), (4, 5247), (5, 5265), (6, 5274),

Gene: Poise_18 Start: 5244, Stop: 5438, Start Num: 1
Candidate Starts for Poise_18:
(Start: 1 @5244 has 21 MA's), (2, 5289), (3, 5325), (4, 5358), (5, 5376), (6, 5385),

Gene: Pringar_17 Start: 5242, Stop: 5436, Start Num: 1
Candidate Starts for Pringar_17:
(Start: 1 @5242 has 21 MA's), (2, 5287), (3, 5323), (4, 5356), (5, 5374), (6, 5383),

Gene: Raela_18 Start: 5799, Stop: 5993, Start Num: 1
Candidate Starts for Raela_18:
(Start: 1 @5799 has 21 MA's), (2, 5844), (3, 5880), (4, 5913), (5, 5931), (6, 5940),

Gene: RedRaider77_18 Start: 5404, Stop: 5598, Start Num: 1
Candidate Starts for RedRaider77_18:
(Start: 1 @5404 has 21 MA's), (2, 5449), (3, 5485), (4, 5518), (5, 5536), (6, 5545),

Gene: Tesla_17 Start: 5235, Stop: 5429, Start Num: 1
Candidate Starts for Tesla_17:
(Start: 1 @5235 has 21 MA's), (2, 5280), (3, 5316), (4, 5349), (5, 5367), (6, 5376),

Gene: VasuNzinga_16 Start: 4819, Stop: 5013, Start Num: 1
Candidate Starts for VasuNzinga_16:
(Start: 1 @4819 has 21 MA's), (2, 4864), (3, 4900), (4, 4933), (5, 4951), (6, 4960),