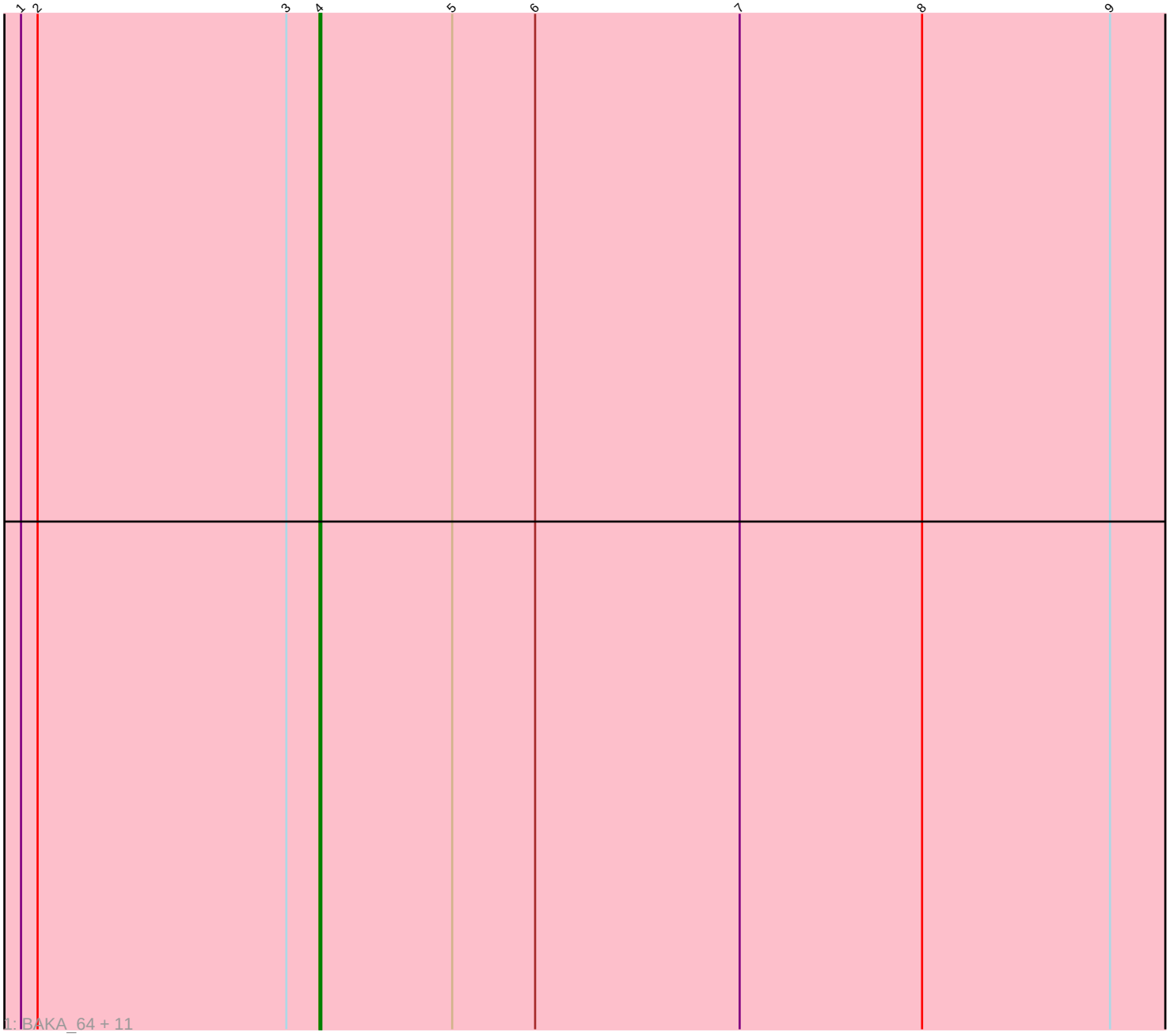
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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 348210 Report

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

Pham number 348210 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BAKA_64, HokkenD_53, Ejimix_60, NihilNomen_60, Bombitas_57, Hidrated_57, Redno2_57, Hughesyang_59, EricMillard_60, Halley_61, Phoebus_59, Odette_58

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

The start number called the most often in the published annotations is 4, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_64, Bombitas_57, Ejimix_60, EricMillard_60, Halley_61, Hidrated_57, HokkenD_53, Hughesyang_59, NihilNomen_60, Odette_58, Phoebus_59, Redno2_57,

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 4:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAKA_64 (J), Bombitas_57 (J), Ejimix_60 (J), EricMillard_60 (J), Halley_61 (J), Hidrated_57 (J), HokkenD_53 (J), Hughesyang_59 (J), NihilNomen_60 (J), Odette_58 (J), Phoebus_59 (J), Redno2_57 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 4 was manually annotated 11 times for cluster J.

Gene Information:

Gene: BAKA_64 Start: 47233, Stop: 46769, Start Num: 4
Candidate Starts for BAKA_64:
(1, 47395), (2, 47386), (3, 47251), (Start: 4 @47233 has 11 MA's), (5, 47161), (6, 47116), (7, 47005), (8, 46906), (9, 46804),

Gene: Bombitas_57 Start: 46727, Stop: 46263, Start Num: 4
Candidate Starts for Bombitas_57:
(1, 46889), (2, 46880), (3, 46745), (Start: 4 @46727 has 11 MA's), (5, 46655), (6, 46610), (7, 46499), (8, 46400), (9, 46298),

Gene: Ejimix_60 Start: 47917, Stop: 47453, Start Num: 4
Candidate Starts for Ejimix_60:
(1, 48079), (2, 48070), (3, 47935), (Start: 4 @47917 has 11 MA's), (5, 47845), (6, 47800), (7, 47689), (8, 47590), (9, 47488),

Gene: EricMillard_60 Start: 47418, Stop: 46954, Start Num: 4
Candidate Starts for EricMillard_60:
(1, 47580), (2, 47571), (3, 47436), (Start: 4 @47418 has 11 MA's), (5, 47346), (6, 47301), (7, 47190), (8, 47091), (9, 46989),

Gene: Halley_61 Start: 47131, Stop: 46667, Start Num: 4
Candidate Starts for Halley_61:
(1, 47293), (2, 47284), (3, 47149), (Start: 4 @47131 has 11 MA's), (5, 47059), (6, 47014), (7, 46903), (8, 46804), (9, 46702),

Gene: Hidrated_57 Start: 46816, Stop: 46352, Start Num: 4
Candidate Starts for Hidrated_57:
(1, 46978), (2, 46969), (3, 46834), (Start: 4 @46816 has 11 MA's), (5, 46744), (6, 46699), (7, 46588), (8, 46489), (9, 46387),

Gene: HokkenD_53 Start: 45400, Stop: 44936, Start Num: 4
Candidate Starts for HokkenD_53:
(1, 45562), (2, 45553), (3, 45418), (Start: 4 @45400 has 11 MA's), (5, 45328), (6, 45283), (7, 45172), (8, 45073), (9, 44971),

Gene: Hughesyang_59 Start: 47060, Stop: 46596, Start Num: 4
Candidate Starts for Hughesyang_59:
(1, 47222), (2, 47213), (3, 47078), (Start: 4 @47060 has 11 MA's), (5, 46988), (6, 46943), (7, 46832), (8, 46733), (9, 46631),

Gene: NihilNomen_60 Start: 47218, Stop: 46754, Start Num: 4
Candidate Starts for NihilNomen_60:
(1, 47380), (2, 47371), (3, 47236), (Start: 4 @47218 has 11 MA's), (5, 47146), (6, 47101), (7, 46990), (8, 46891), (9, 46789),

Gene: Odette_58 Start: 46261, Stop: 45797, Start Num: 4
Candidate Starts for Odette_58:
(1, 46423), (2, 46414), (3, 46279), (Start: 4 @46261 has 11 MA's), (5, 46189), (6, 46144), (7, 46033), (8, 45934), (9, 45832),

Gene: Phoebus_59 Start: 47419, Stop: 46955, Start Num: 4
Candidate Starts for Phoebus_59:
(1, 47581), (2, 47572), (3, 47437), (Start: 4 @47419 has 11 MA's), (5, 47347), (6, 47302), (7, 47191), (8, 47092), (9, 46990),

Gene: Redno2_57 Start: 44014, Stop: 43550, Start Num: 4
Candidate Starts for Redno2_57:
(1, 44176), (2, 44167), (3, 44032), (Start: 4 @44014 has 11 MA's), (5, 43942), (6, 43897), (7, 43786), (8, 43687), (9, 43585),