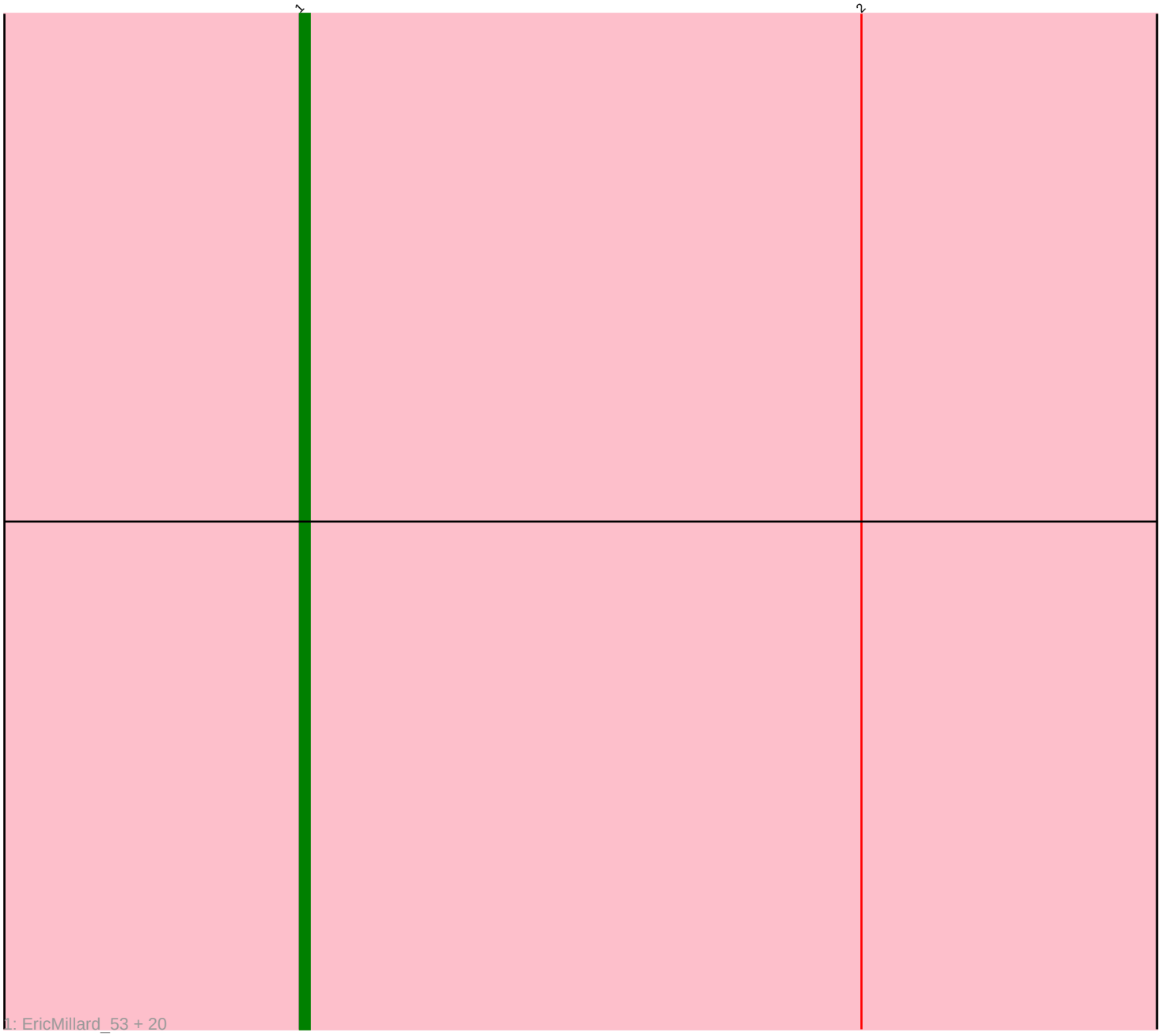
Pham 3775



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 3775 Report

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

Pham number 3775 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : EricMillard_53, HokkenD_46, BAKA_57, NihilNomen_52, Klein_53, Ejimix_53, Yeet_51, Bombitas_50, KashFlow_46, ThreeRngTarjay_51, Bagrid_52, Optimus_58, Pound_55, Phoebus_52, Wanda_59, Halley_53, Hannaconda_49, Minerva_59, Duke13_56, Hughesyang_51, Beem_53

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 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_57, Bagrid_52, Beem_53, Bombitas_50, Duke13_56, Ejimix_53, EricMillard_53, Halley_53, Hannaconda_49, HokkenD_46, Hughesyang_51, KashFlow_46, Klein_53, Minerva_59, NihilNomen_52, Optimus_58, Phoebus_52, Pound_55, ThreeRngTarjay_51, Wanda_59, Yeet_51,

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: 20 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAKA_57 (J), Bagrid_52 (J), Beem_53 (J), Bombitas_50 (J), Duke13_56 (J), Ejimix_53 (J), EricMillard_53 (J), Halley_53 (J), Hannaconda_49 (J), HokkenD_46 (J), Hughesyang_51 (J), KashFlow_46 (J), Klein_53 (J), Minerva_59 (J), NihilNomen_52 (J), Optimus_58 (J), Phoebus_52 (J), Pound_55 (J), ThreeRngTarjay_51 (J), Wanda_59 (J), Yeet_51 (J),

Summary by clusters:

There is one cluster represented in this pham: J

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

Gene Information:

Gene: BAKA_57 Start: 44830, Stop: 44570, Start Num: 1
Candidate Starts for BAKA_57:
(Start: 1 @44830 has 20 MA's), (2, 44773),

Gene: Bagrid_52 Start: 44163, Stop: 43903, Start Num: 1
Candidate Starts for Bagrid_52:
(Start: 1 @44163 has 20 MA's), (2, 44106),

Gene: Beem_53 Start: 44729, Stop: 44469, Start Num: 1
Candidate Starts for Beem_53:
(Start: 1 @44729 has 20 MA's), (2, 44672),

Gene: Bombitas_50 Start: 44324, Stop: 44064, Start Num: 1
Candidate Starts for Bombitas_50:
(Start: 1 @44324 has 20 MA's), (2, 44267),

Gene: Duke13_56 Start: 44596, Stop: 44336, Start Num: 1
Candidate Starts for Duke13_56:
(Start: 1 @44596 has 20 MA's), (2, 44539),

Gene: Ejimix_53 Start: 45514, Stop: 45254, Start Num: 1
Candidate Starts for Ejimix_53:
(Start: 1 @45514 has 20 MA's), (2, 45457),

Gene: EricMillard_53 Start: 45015, Stop: 44755, Start Num: 1
Candidate Starts for EricMillard_53:
(Start: 1 @45015 has 20 MA's), (2, 44958),

Gene: Halley_53 Start: 44728, Stop: 44468, Start Num: 1
Candidate Starts for Halley_53:
(Start: 1 @44728 has 20 MA's), (2, 44671),

Gene: Hannaconda_49 Start: 39217, Stop: 38957, Start Num: 1
Candidate Starts for Hannaconda_49:
(Start: 1 @39217 has 20 MA's), (2, 39160),

Gene: HokkenD_46 Start: 42997, Stop: 42737, Start Num: 1
Candidate Starts for HokkenD_46:
(Start: 1 @42997 has 20 MA's), (2, 42940),

Gene: Hughesyang_51 Start: 44657, Stop: 44397, Start Num: 1
Candidate Starts for Hughesyang_51:

(Start: 1 @44657 has 20 MA's), (2, 44600),

Gene: KashFlow_46 Start: 38838, Stop: 38578, Start Num: 1
Candidate Starts for KashFlow_46:
(Start: 1 @38838 has 20 MA's), (2, 38781),

Gene: Klein_53 Start: 44295, Stop: 44035, Start Num: 1
Candidate Starts for Klein_53:
(Start: 1 @44295 has 20 MA's), (2, 44238),

Gene: Minerva_59 Start: 46145, Stop: 45885, Start Num: 1
Candidate Starts for Minerva_59:
(Start: 1 @46145 has 20 MA's), (2, 46088),

Gene: NihilNomen_52 Start: 44815, Stop: 44555, Start Num: 1
Candidate Starts for NihilNomen_52:
(Start: 1 @44815 has 20 MA's), (2, 44758),

Gene: Optimus_58 Start: 45730, Stop: 45470, Start Num: 1
Candidate Starts for Optimus_58:
(Start: 1 @45730 has 20 MA's), (2, 45673),

Gene: Phoebus_52 Start: 45016, Stop: 44756, Start Num: 1
Candidate Starts for Phoebus_52:
(Start: 1 @45016 has 20 MA's), (2, 44959),

Gene: Pound_55 Start: 46593, Stop: 46333, Start Num: 1
Candidate Starts for Pound_55:
(Start: 1 @46593 has 20 MA's), (2, 46536),

Gene: ThreeRngTarjay_51 Start: 44892, Stop: 44632, Start Num: 1
Candidate Starts for ThreeRngTarjay_51:
(Start: 1 @44892 has 20 MA's), (2, 44835),

Gene: Wanda_59 Start: 44604, Stop: 44344, Start Num: 1
Candidate Starts for Wanda_59:
(Start: 1 @44604 has 20 MA's), (2, 44547),

Gene: Yeet_51 Start: 44024, Stop: 43764, Start Num: 1
Candidate Starts for Yeet_51:
(Start: 1 @44024 has 20 MA's), (2, 43967),