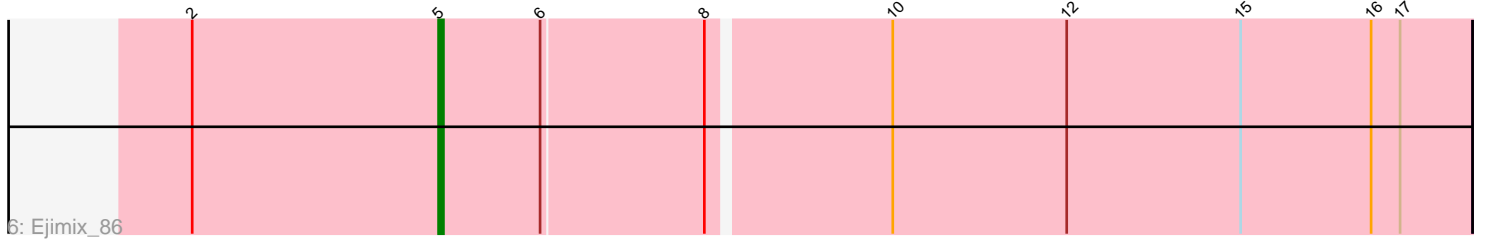
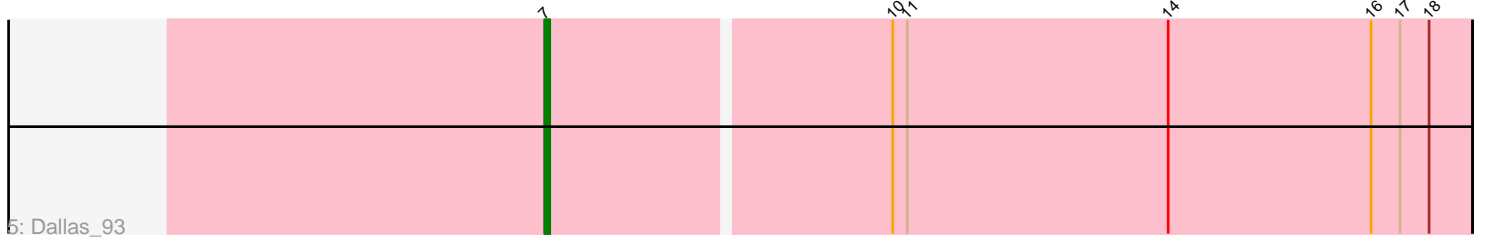
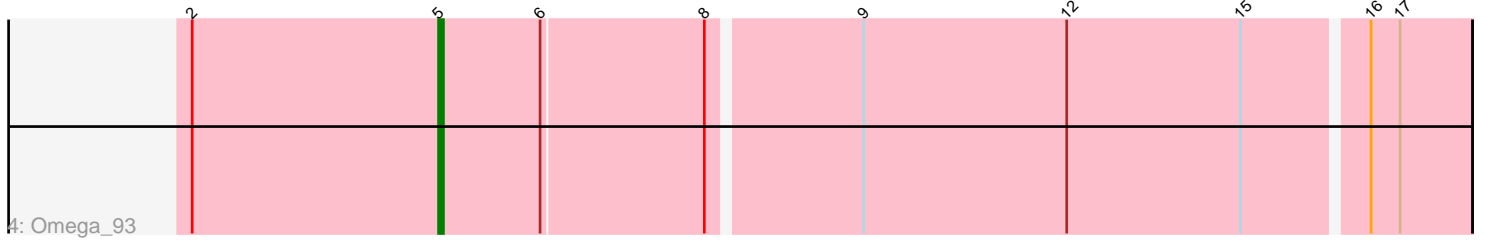
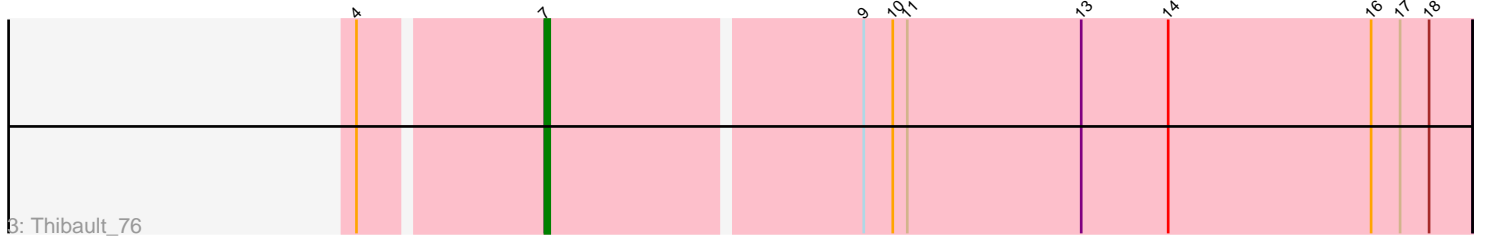
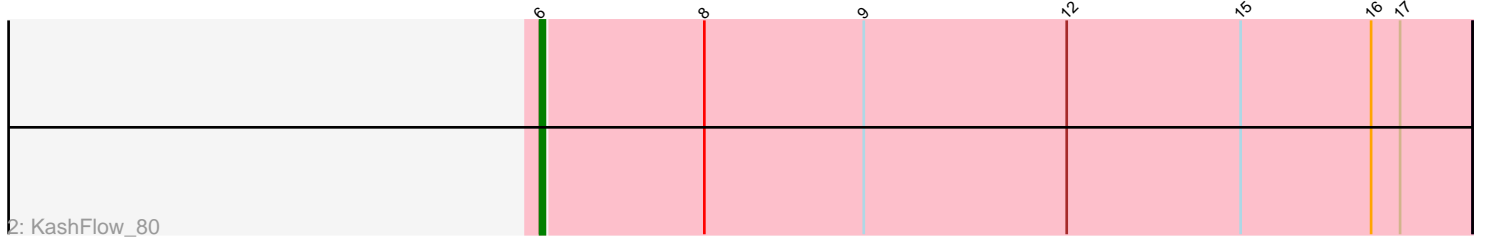
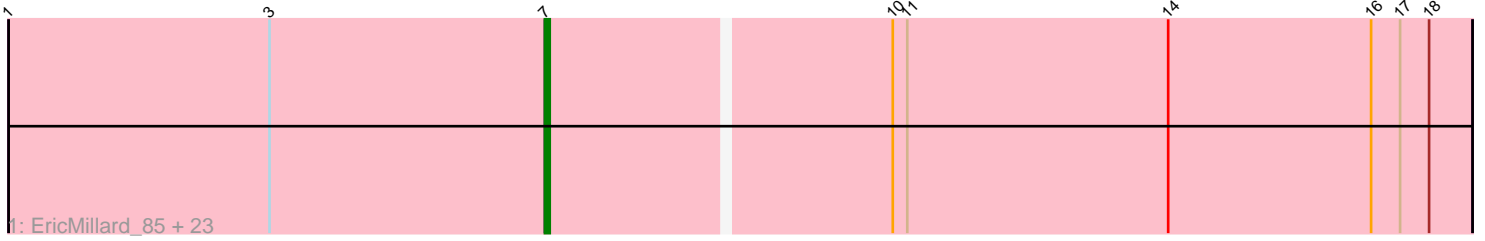


Pham 200499



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 200499 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200499 has 29 members, 2 are drafts.

Phages represented in each track:

- Track 1 : EricMillard_85, Optimus_86, Beem_92, Bagrid_91, DmpstrDiver_92, Zelink_89, Halley_93, JuicyJay_89, Wanda_96, Klein_92, Dove_77, Yeet_85, Kalah2_86, ThreeRngTarjay_89, Schatzie_87, Constella_77, Bombitas_80, NihilNomen_93, BAKA_93, Hughesyang_92, HokkenD_81, Minerva_91, Phoebus_94, Odette_90
- Track 2 : KashFlow_80
- Track 3 : Thibault_76
- Track 4 : Omega_93
- Track 5 : Dallas_93
- Track 6 : Ejimix_86

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

The start number called the most often in the published annotations is 7, it was called in 24 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BAKA_93, Bagrid_91, Beem_92, Bombitas_80, Constella_77, Dallas_93, DmpstrDiver_92, Dove_77, EricMillard_85, Halley_93, HokkenD_81, Hughesyang_92, JuicyJay_89, Kalah2_86, Klein_92, Minerva_91, NihilNomen_93, Odette_90, Optimus_86, Phoebus_94, Schatzie_87, Thibault_76, ThreeRngTarjay_89, Wanda_96, Yeet_85, Zelink_89,

Genes that have the "Most Annotated" start but do not call it:

-

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

- Ejimix_86, KashFlow_80, Omega_93,

Summary by start number:

Start 5:

- Found in 2 of 29 (6.9%) of genes in pham
- Manual Annotations of this start: 2 of 27

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ejimix_86 (J), Omega_93 (J),

Start 6:

- Found in 3 of 29 (10.3%) of genes in pham
- Manual Annotations of this start: 1 of 27
- Called 33.3% of time when present
- Phage (with cluster) where this start called: KashFlow_80 (J),

Start 7:

- Found in 26 of 29 (89.7%) of genes in pham
- Manual Annotations of this start: 24 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BAKA_93 (J), Bagrid_91 (J), Beem_92 (J), Bombitas_80 (J), Constella_77 (J), Dallas_93 (J), DmpstrDiver_92 (J), Dove_77 (J), EricMillard_85 (J), Halley_93 (J), HokkenD_81 (J), Hughesyang_92 (J), JuicyJay_89 (J), Kalah2_86 (J), Klein_92 (J), Minerva_91 (J), NihilNomen_93 (J), Odette_90 (J), Optimus_86 (J), Phoebus_94 (J), Schatzie_87 (J), Thibault_76 (J), ThreeRngTarjay_89 (J), Wanda_96 (J), Yeet_85 (J), Zelink_89 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:

- Start number 5 was manually annotated 2 times for cluster J.
- Start number 6 was manually annotated 1 time for cluster J.
- Start number 7 was manually annotated 24 times for cluster J.

Gene Information:

Gene: BAKA_93 Start: 57534, Stop: 57722, Start Num: 7

Candidate Starts for BAKA_93:

(1, 57423), (3, 57477), (Start: 7 @57534 has 24 MA's), (10, 57603), (11, 57606), (14, 57660), (16, 57702), (17, 57708), (18, 57714),

Gene: Bagrid_91 Start: 56401, Stop: 56589, Start Num: 7

Candidate Starts for Bagrid_91:

(1, 56290), (3, 56344), (Start: 7 @56401 has 24 MA's), (10, 56470), (11, 56473), (14, 56527), (16, 56569), (17, 56575), (18, 56581),

Gene: Beem_92 Start: 57262, Stop: 57450, Start Num: 7

Candidate Starts for Beem_92:

(1, 57151), (3, 57205), (Start: 7 @57262 has 24 MA's), (10, 57331), (11, 57334), (14, 57388), (16, 57430), (17, 57436), (18, 57442),

Gene: Bombitas_80 Start: 54425, Stop: 54613, Start Num: 7

Candidate Starts for Bombitas_80:

(1, 54314), (3, 54368), (Start: 7 @54425 has 24 MA's), (10, 54494), (11, 54497), (14, 54551), (16, 54593), (17, 54599), (18, 54605),

Gene: Constella_77 Start: 51399, Stop: 51587, Start Num: 7

Candidate Starts for Constella_77:

(1, 51288), (3, 51342), (Start: 7 @51399 has 24 MA's), (10, 51468), (11, 51471), (14, 51525), (16, 51567), (17, 51573), (18, 51579),

Gene: Dallas_93 Start: 57270, Stop: 57458, Start Num: 7

Candidate Starts for Dallas_93:

(Start: 7 @57270 has 24 MA's), (10, 57339), (11, 57342), (14, 57396), (16, 57438), (17, 57444), (18, 57450),

Gene: DmpstrDiver_92 Start: 56597, Stop: 56785, Start Num: 7

Candidate Starts for DmpstrDiver_92:

(1, 56486), (3, 56540), (Start: 7 @56597 has 24 MA's), (10, 56666), (11, 56669), (14, 56723), (16, 56765), (17, 56771), (18, 56777),

Gene: Dove_77 Start: 52691, Stop: 52879, Start Num: 7

Candidate Starts for Dove_77:

(1, 52580), (3, 52634), (Start: 7 @52691 has 24 MA's), (10, 52760), (11, 52763), (14, 52817), (16, 52859), (17, 52865), (18, 52871),

Gene: Ejimix_86 Start: 56939, Stop: 57148, Start Num: 5

Candidate Starts for Ejimix_86:

(2, 56888), (Start: 5 @56939 has 2 MA's), (Start: 6 @56960 has 1 MA's), (8, 56993), (10, 57029), (12, 57065), (15, 57101), (16, 57128), (17, 57134),

Gene: EricMillard_85 Start: 56329, Stop: 56517, Start Num: 7

Candidate Starts for EricMillard_85:

(1, 56218), (3, 56272), (Start: 7 @56329 has 24 MA's), (10, 56398), (11, 56401), (14, 56455), (16, 56497), (17, 56503), (18, 56509),

Gene: Halley_93 Start: 57262, Stop: 57450, Start Num: 7

Candidate Starts for Halley_93:

(1, 57151), (3, 57205), (Start: 7 @57262 has 24 MA's), (10, 57331), (11, 57334), (14, 57388), (16, 57430), (17, 57436), (18, 57442),

Gene: HokkenD_81 Start: 55531, Stop: 55719, Start Num: 7

Candidate Starts for HokkenD_81:

(1, 55420), (3, 55474), (Start: 7 @55531 has 24 MA's), (10, 55600), (11, 55603), (14, 55657), (16, 55699), (17, 55705), (18, 55711),

Gene: Hughesyang_92 Start: 57220, Stop: 57408, Start Num: 7

Candidate Starts for Hughesyang_92:

(1, 57109), (3, 57163), (Start: 7 @57220 has 24 MA's), (10, 57289), (11, 57292), (14, 57346), (16, 57388), (17, 57394), (18, 57400),

Gene: JuicyJay_89 Start: 58396, Stop: 58584, Start Num: 7

Candidate Starts for JuicyJay_89:

(1, 58285), (3, 58339), (Start: 7 @58396 has 24 MA's), (10, 58465), (11, 58468), (14, 58522), (16, 58564), (17, 58570), (18, 58576),

Gene: Kalah2_86 Start: 56555, Stop: 56743, Start Num: 7

Candidate Starts for Kalah2_86:

(1, 56444), (3, 56498), (Start: 7 @56555 has 24 MA's), (10, 56624), (11, 56627), (14, 56681), (16, 56723), (17, 56729), (18, 56735),

Gene: KashFlow_80 Start: 51498, Stop: 51689, Start Num: 6

Candidate Starts for KashFlow_80:

(Start: 6 @51498 has 1 MA's), (8, 51531), (9, 51564), (12, 51606), (15, 51642), (16, 51669), (17, 51675),

Gene: Klein_92 Start: 56231, Stop: 56419, Start Num: 7

Candidate Starts for Klein_92:

(1, 56120), (3, 56174), (Start: 7 @56231 has 24 MA's), (10, 56300), (11, 56303), (14, 56357), (16, 56399), (17, 56405), (18, 56411),

Gene: Minerva_91 Start: 57179, Stop: 57367, Start Num: 7

Candidate Starts for Minerva_91:

(1, 57068), (3, 57122), (Start: 7 @57179 has 24 MA's), (10, 57248), (11, 57251), (14, 57305), (16, 57347), (17, 57353), (18, 57359),

Gene: NihilNomen_93 Start: 57349, Stop: 57537, Start Num: 7

Candidate Starts for NihilNomen_93:

(1, 57238), (3, 57292), (Start: 7 @57349 has 24 MA's), (10, 57418), (11, 57421), (14, 57475), (16, 57517), (17, 57523), (18, 57529),

Gene: Odette_90 Start: 56391, Stop: 56579, Start Num: 7

Candidate Starts for Odette_90:

(1, 56280), (3, 56334), (Start: 7 @56391 has 24 MA's), (10, 56460), (11, 56463), (14, 56517), (16, 56559), (17, 56565), (18, 56571),

Gene: Omega_93 Start: 56867, Stop: 57073, Start Num: 5

Candidate Starts for Omega_93:

(2, 56816), (Start: 5 @56867 has 2 MA's), (Start: 6 @56888 has 1 MA's), (8, 56921), (9, 56951), (12, 56993), (15, 57029), (16, 57053), (17, 57059),

Gene: Optimus_86 Start: 55883, Stop: 56071, Start Num: 7

Candidate Starts for Optimus_86:

(1, 55772), (3, 55826), (Start: 7 @55883 has 24 MA's), (10, 55952), (11, 55955), (14, 56009), (16, 56051), (17, 56057), (18, 56063),

Gene: Phoebus_94 Start: 58531, Stop: 58719, Start Num: 7

Candidate Starts for Phoebus_94:

(1, 58420), (3, 58474), (Start: 7 @58531 has 24 MA's), (10, 58600), (11, 58603), (14, 58657), (16, 58699), (17, 58705), (18, 58711),

Gene: Schatzie_87 Start: 56138, Stop: 56326, Start Num: 7

Candidate Starts for Schatzie_87:

(1, 56027), (3, 56081), (Start: 7 @56138 has 24 MA's), (10, 56207), (11, 56210), (14, 56264), (16, 56306), (17, 56312), (18, 56318),

Gene: Thibault_76 Start: 52015, Stop: 52203, Start Num: 7

Candidate Starts for Thibault_76:

(4, 51979), (Start: 7 @52015 has 24 MA's), (9, 52078), (10, 52084), (11, 52087), (13, 52123), (14, 52141), (16, 52183), (17, 52189), (18, 52195),

Gene: ThreeRngTarjay_89 Start: 57423, Stop: 57611, Start Num: 7

Candidate Starts for ThreeRngTarjay_89:

(1, 57312), (3, 57366), (Start: 7 @57423 has 24 MA's), (10, 57492), (11, 57495), (14, 57549), (16, 57591), (17, 57597), (18, 57603),

Gene: Wanda_96 Start: 56540, Stop: 56728, Start Num: 7

Candidate Starts for Wanda_96:

(1, 56429), (3, 56483), (Start: 7 @56540 has 24 MA's), (10, 56609), (11, 56612), (14, 56666), (16, 56708), (17, 56714), (18, 56720),

Gene: Yeet_85 Start: 55640, Stop: 55828, Start Num: 7

Candidate Starts for Yeet_85:

(1, 55529), (3, 55583), (Start: 7 @55640 has 24 MA's), (10, 55709), (11, 55712), (14, 55766), (16, 55808), (17, 55814), (18, 55820),

Gene: Zelink_89 Start: 57735, Stop: 57923, Start Num: 7

Candidate Starts for Zelink_89:

(1, 57624), (3, 57678), (Start: 7 @57735 has 24 MA's), (10, 57804), (11, 57807), (14, 57861), (16, 57903), (17, 57909), (18, 57915),