



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 3465 Report

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

Pham number 3465 has 25 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Klein_83, Hughesyang_84, Beem_84, JuicyJay_82, HokkenD_74, Dallas_83, NihilNomen_85, Kalah2_78, Yeet_77, Thibault_70, Zelink_82, Bombitas_73, Phoebus_86, Odette_83, Dove_71, Constella_70, ThreeRngTarjay_81, Bagrid_84, DmpstrDiver_84, Wanda_87, Ejimix_83, Schatzie_79, Halley_85, Redno2_79
- Track 2 : Bobby_83

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 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bagrid_84, Beem_84, Bobby_83, Bombitas_73, Constella_70, Dallas_83, DmpstrDiver_84, Dove_71, Ejimix_83, Halley_85, HokkenD_74, Hughesyang_84, JuicyJay_82, Kalah2_78, Klein_83, NihilNomen_85, Odette_83, Phoebus_86, Redno2_79, Schatzie_79, Thibault_70, ThreeRngTarjay_81, Wanda_87, Yeet_77, Zelink_82,

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 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 22 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bagrid_84 (J), Beem_84 (J), Bobby_83 (J), Bombitas_73 (J), Constella_70 (J), Dallas_83 (J), DmpstrDiver_84 (J), Dove_71 (J), Ejimix_83 (J), Halley_85 (J), HokkenD_74 (J), Hughesyang_84 (J), JuicyJay_82

(J), Kalah2_78 (J), Klein_83 (J), NihilNomen_85 (J), Odette_83 (J), Phoebus_86 (J), Redno2_79 (J), Schatzie_79 (J), Thibault_70 (J), ThreeRngTarjay_81 (J), Wanda_87 (J), Yeet_77 (J), Zelink_82 (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 22 times for cluster J.

Gene Information:

Gene: Bagrid_84 Start: 54283, Stop: 54675, Start Num: 1

Candidate Starts for Bagrid_84:

(Start: 1 @54283 has 22 MA's), (2, 54313), (3, 54340), (4, 54349), (5, 54355), (6, 54403), (7, 54406), (8, 54415), (9, 54421), (10, 54424), (11, 54457), (12, 54487), (13, 54505), (14, 54511), (15, 54514), (16, 54664), (17, 54667),

Gene: Beem_84 Start: 55144, Stop: 55536, Start Num: 1

Candidate Starts for Beem_84:

(Start: 1 @55144 has 22 MA's), (2, 55174), (3, 55201), (4, 55210), (5, 55216), (6, 55264), (7, 55267), (8, 55276), (9, 55282), (10, 55285), (11, 55318), (12, 55348), (13, 55366), (14, 55372), (15, 55375), (16, 55525), (17, 55528),

Gene: Bobby_83 Start: 55052, Stop: 55444, Start Num: 1

Candidate Starts for Bobby_83:

(Start: 1 @55052 has 22 MA's), (2, 55082), (3, 55109), (4, 55118), (5, 55124), (7, 55175), (8, 55184), (9, 55190), (10, 55193), (11, 55226), (12, 55256), (13, 55274), (14, 55280), (15, 55283), (16, 55433), (17, 55436),

Gene: Bombitas_73 Start: 52307, Stop: 52699, Start Num: 1

Candidate Starts for Bombitas_73:

(Start: 1 @52307 has 22 MA's), (2, 52337), (3, 52364), (4, 52373), (5, 52379), (6, 52427), (7, 52430), (8, 52439), (9, 52445), (10, 52448), (11, 52481), (12, 52511), (13, 52529), (14, 52535), (15, 52538), (16, 52688), (17, 52691),

Gene: Constella_70 Start: 49281, Stop: 49673, Start Num: 1

Candidate Starts for Constella_70:

(Start: 1 @49281 has 22 MA's), (2, 49311), (3, 49338), (4, 49347), (5, 49353), (6, 49401), (7, 49404), (8, 49413), (9, 49419), (10, 49422), (11, 49455), (12, 49485), (13, 49503), (14, 49509), (15, 49512), (16, 49662), (17, 49665),

Gene: Dallas_83 Start: 54065, Stop: 54457, Start Num: 1

Candidate Starts for Dallas_83:

(Start: 1 @54065 has 22 MA's), (2, 54095), (3, 54122), (4, 54131), (5, 54137), (6, 54185), (7, 54188), (8, 54197), (9, 54203), (10, 54206), (11, 54239), (12, 54269), (13, 54287), (14, 54293), (15, 54296), (16, 54446), (17, 54449),

Gene: DmpstrDiver_84 Start: 54479, Stop: 54871, Start Num: 1

Candidate Starts for DmpstrDiver_84:

(Start: 1 @54479 has 22 MA's), (2, 54509), (3, 54536), (4, 54545), (5, 54551), (6, 54599), (7, 54602), (8, 54611), (9, 54617), (10, 54620), (11, 54653), (12, 54683), (13, 54701), (14, 54707), (15, 54710), (16, 54860), (17, 54863),

Gene: Dove_71 Start: 50573, Stop: 50965, Start Num: 1

Candidate Starts for Dove_71:

(Start: 1 @50573 has 22 MA's), (2, 50603), (3, 50630), (4, 50639), (5, 50645), (6, 50693), (7, 50696), (8, 50705), (9, 50711), (10, 50714), (11, 50747), (12, 50777), (13, 50795), (14, 50801), (15, 50804), (16, 50954), (17, 50957),

Gene: Ejimix_83 Start: 55933, Stop: 56325, Start Num: 1

Candidate Starts for Ejimix_83:

(Start: 1 @55933 has 22 MA's), (2, 55963), (3, 55990), (4, 55999), (5, 56005), (6, 56053), (7, 56056), (8, 56065), (9, 56071), (10, 56074), (11, 56107), (12, 56137), (13, 56155), (14, 56161), (15, 56164), (16, 56314), (17, 56317),

Gene: Halley_85 Start: 55144, Stop: 55536, Start Num: 1

Candidate Starts for Halley_85:

(Start: 1 @55144 has 22 MA's), (2, 55174), (3, 55201), (4, 55210), (5, 55216), (6, 55264), (7, 55267), (8, 55276), (9, 55282), (10, 55285), (11, 55318), (12, 55348), (13, 55366), (14, 55372), (15, 55375), (16, 55525), (17, 55528),

Gene: HokkenD_74 Start: 53413, Stop: 53805, Start Num: 1

Candidate Starts for HokkenD_74:

(Start: 1 @53413 has 22 MA's), (2, 53443), (3, 53470), (4, 53479), (5, 53485), (6, 53533), (7, 53536), (8, 53545), (9, 53551), (10, 53554), (11, 53587), (12, 53617), (13, 53635), (14, 53641), (15, 53644), (16, 53794), (17, 53797),

Gene: Hughesyang_84 Start: 55102, Stop: 55494, Start Num: 1

Candidate Starts for Hughesyang_84:

(Start: 1 @55102 has 22 MA's), (2, 55132), (3, 55159), (4, 55168), (5, 55174), (6, 55222), (7, 55225), (8, 55234), (9, 55240), (10, 55243), (11, 55276), (12, 55306), (13, 55324), (14, 55330), (15, 55333), (16, 55483), (17, 55486),

Gene: JuicyJay_82 Start: 56278, Stop: 56670, Start Num: 1

Candidate Starts for JuicyJay_82:

(Start: 1 @56278 has 22 MA's), (2, 56308), (3, 56335), (4, 56344), (5, 56350), (6, 56398), (7, 56401), (8, 56410), (9, 56416), (10, 56419), (11, 56452), (12, 56482), (13, 56500), (14, 56506), (15, 56509), (16, 56659), (17, 56662),

Gene: Kalah2_78 Start: 54437, Stop: 54829, Start Num: 1

Candidate Starts for Kalah2_78:

(Start: 1 @54437 has 22 MA's), (2, 54467), (3, 54494), (4, 54503), (5, 54509), (6, 54557), (7, 54560), (8, 54569), (9, 54575), (10, 54578), (11, 54611), (12, 54641), (13, 54659), (14, 54665), (15, 54668), (16, 54818), (17, 54821),

Gene: Klein_83 Start: 53863, Stop: 54255, Start Num: 1

Candidate Starts for Klein_83:

(Start: 1 @53863 has 22 MA's), (2, 53893), (3, 53920), (4, 53929), (5, 53935), (6, 53983), (7, 53986), (8, 53995), (9, 54001), (10, 54004), (11, 54037), (12, 54067), (13, 54085), (14, 54091), (15, 54094), (16, 54244), (17, 54247),

Gene: NihilNomen_85 Start: 55231, Stop: 55623, Start Num: 1

Candidate Starts for NihilNomen_85:

(Start: 1 @55231 has 22 MA's), (2, 55261), (3, 55288), (4, 55297), (5, 55303), (6, 55351), (7, 55354), (8, 55363), (9, 55369), (10, 55372), (11, 55405), (12, 55435), (13, 55453), (14, 55459), (15, 55462), (16, 55612), (17, 55615),

Gene: Odette_83 Start: 54273, Stop: 54665, Start Num: 1

Candidate Starts for Odette_83:

(Start: 1 @54273 has 22 MA's), (2, 54303), (3, 54330), (4, 54339), (5, 54345), (6, 54393), (7, 54396), (8, 54405), (9, 54411), (10, 54414), (11, 54447), (12, 54477), (13, 54495), (14, 54501), (15, 54504), (16, 54654), (17, 54657),

Gene: Phoebus_86 Start: 56413, Stop: 56805, Start Num: 1

Candidate Starts for Phoebus_86:

(Start: 1 @56413 has 22 MA's), (2, 56443), (3, 56470), (4, 56479), (5, 56485), (6, 56533), (7, 56536), (8, 56545), (9, 56551), (10, 56554), (11, 56587), (12, 56617), (13, 56635), (14, 56641), (15, 56644), (16, 56794), (17, 56797),

Gene: Redno2_79 Start: 52027, Stop: 52419, Start Num: 1

Candidate Starts for Redno2_79:

(Start: 1 @52027 has 22 MA's), (2, 52057), (3, 52084), (4, 52093), (5, 52099), (6, 52147), (7, 52150), (8, 52159), (9, 52165), (10, 52168), (11, 52201), (12, 52231), (13, 52249), (14, 52255), (15, 52258), (16, 52408), (17, 52411),

Gene: Schatzie_79 Start: 54020, Stop: 54412, Start Num: 1

Candidate Starts for Schatzie_79:

(Start: 1 @54020 has 22 MA's), (2, 54050), (3, 54077), (4, 54086), (5, 54092), (6, 54140), (7, 54143), (8, 54152), (9, 54158), (10, 54161), (11, 54194), (12, 54224), (13, 54242), (14, 54248), (15, 54251), (16, 54401), (17, 54404),

Gene: Thibault_70 Start: 50226, Stop: 50618, Start Num: 1

Candidate Starts for Thibault_70:

(Start: 1 @50226 has 22 MA's), (2, 50256), (3, 50283), (4, 50292), (5, 50298), (6, 50346), (7, 50349), (8, 50358), (9, 50364), (10, 50367), (11, 50400), (12, 50430), (13, 50448), (14, 50454), (15, 50457), (16, 50607), (17, 50610),

Gene: ThreeRngTarjay_81 Start: 55305, Stop: 55697, Start Num: 1

Candidate Starts for ThreeRngTarjay_81:

(Start: 1 @55305 has 22 MA's), (2, 55335), (3, 55362), (4, 55371), (5, 55377), (6, 55425), (7, 55428), (8, 55437), (9, 55443), (10, 55446), (11, 55479), (12, 55509), (13, 55527), (14, 55533), (15, 55536), (16, 55686), (17, 55689),

Gene: Wanda_87 Start: 54172, Stop: 54564, Start Num: 1

Candidate Starts for Wanda_87:

(Start: 1 @54172 has 22 MA's), (2, 54202), (3, 54229), (4, 54238), (5, 54244), (6, 54292), (7, 54295), (8, 54304), (9, 54310), (10, 54313), (11, 54346), (12, 54376), (13, 54394), (14, 54400), (15, 54403), (16, 54553), (17, 54556),

Gene: Yeet_77 Start: 53522, Stop: 53914, Start Num: 1

Candidate Starts for Yeet_77:

(Start: 1 @53522 has 22 MA's), (2, 53552), (3, 53579), (4, 53588), (5, 53594), (6, 53642), (7, 53645), (8, 53654), (9, 53660), (10, 53663), (11, 53696), (12, 53726), (13, 53744), (14, 53750), (15, 53753), (16, 53903), (17, 53906),

Gene: Zelink_82 Start: 55617, Stop: 56009, Start Num: 1

Candidate Starts for Zelink_82:

(Start: 1 @55617 has 22 MA's), (2, 55647), (3, 55674), (4, 55683), (5, 55689), (6, 55737), (7, 55740), (8, 55749), (9, 55755), (10, 55758), (11, 55791), (12, 55821), (13, 55839), (14, 55845), (15, 55848), (16, 55998), (17, 56001),