

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 203149 Report

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

Pham number 203149 has 35 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Artiphact_35, Haunter_35, Tedro_35, Cybele_35, Kate_35, AnnaSerena_35, NarutoRun_35, Anakin_35, Neptune_35, Pharpay_35, Potty_35, OverHedge_35, Rachella_35, Krampus_35
- Track 2 : JingleBells_34
- Track 3 : Snakehole_35
- Track 4 : Crestdrop_34, Annapurna_35, Hiddenleaf_34, DannyDe_34, FreddieHg_34, SilentWarrior_34, Chivey_34
- Track 5 : Erudite_34, Dauntless_34
- Track 6 : CoolCookie_35, PhunaPhoke_35
- Track 7 : Hager_36
- Track 8 : Rie18_35
- Track 9 : Gilda_35
- Track 10 : JDawG_34, Aesir_34
- Track 11 : Karate_34
- Track 12 : MortySmith_33
- Track 13 : Poultruss_34

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

The start number called the most often in the published annotations is 6, it was called in 31 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aesir_34, Anakin_35, AnnaSerena_35, Annapurna_35, Artiphact_35, Chivey_34, CoolCookie_35, Crestdrop_34, Cybele_35, DannyDe_34, Dauntless_34, Erudite_34, FreddieHg_34, Gilda_35, Hager_36, Haunter_35, Hiddenleaf_34, JDawG_34, JingleBells_34, Karate_34, Kate_35, Krampus_35, MortySmith_33, NarutoRun_35, Neptune_35, OverHedge_35, Pharpay_35, PhunaPhoke_35, Potty_35, Poultruss_34, Rachella_35, Rie18_35, SilentWarrior_34, Snakehole_35, Tedro_35,

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 6:

- Found in 35 of 35 (100.0%) of genes in pham
- Manual Annotations of this start: 31 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aesir_34 (EF), Anakin_35 (EF), AnnaSerena_35 (EF), Annapurna_35 (EF), Artiphact_35 (EF), Chivey_34 (EF), CoolCookie_35 (EF), Crestdrop_34 (EF), Cybele_35 (EF), DannyDe_34 (EF), Dauntless_34 (EF), Erudite_34 (EF), FreddieHg_34 (EF), Gilda_35 (EF), Hager_36 (EF), Haunter_35 (EF), Hiddenleaf_34 (EF), JDawG_34 (EF), JingleBells_34 (EF), Karate_34 (EF), Kate_35 (EF), Krampus_35 (EF), MortySmith_33 (EF), NarutoRun_35 (EF), Neptune_35 (EF), OverHedge_35 (EF), Pharpay_35 (EF), PhunaPhoke_35 (EF), Potty_35 (EF), Poultruss_34 (EF), Rachella_35 (EF), Rie18_35 (EF), SilentWarrior_34 (EF), Snakehole_35 (EF), Tedro_35 (EF),

Summary by clusters:

There is one cluster represented in this pham: EF

Info for manual annotations of cluster EF:

- Start number 6 was manually annotated 31 times for cluster EF.

Gene Information:

Gene: Aesir_34 Start: 22370, Stop: 23494, Start Num: 6

Candidate Starts for Aesir_34:

(2, 22271), (3, 22289), (Start: 6 @22370 has 31 MA's), (7, 22472), (12, 22673), (13, 22844), (15, 22883), (16, 22970), (18, 23147), (20, 23153), (22, 23249), (23, 23297), (24, 23315), (25, 23336), (27, 23381), (30, 23420),

Gene: Anakin_35 Start: 22628, Stop: 23818, Start Num: 6

Candidate Starts for Anakin_35:

(2, 22529), (Start: 6 @22628 has 31 MA's), (7, 22730), (8, 22736), (12, 22946), (13, 23117), (14, 23132), (16, 23243), (17, 23372), (19, 23429), (20, 23435), (21, 23489), (25, 23630), (26, 23651), (28, 23690),

Gene: AnnaSerena_35 Start: 22639, Stop: 23853, Start Num: 6

Candidate Starts for AnnaSerena_35:

(2, 22540), (Start: 6 @22639 has 31 MA's), (7, 22741), (8, 22747), (12, 22957), (13, 23128), (14, 23143), (16, 23254), (17, 23383), (19, 23440), (20, 23446), (21, 23500), (25, 23641), (26, 23662), (28, 23701),

Gene: Annapurna_35 Start: 21832, Stop: 22956, Start Num: 6

Candidate Starts for Annapurna_35:

(3, 21751), (Start: 6 @21832 has 31 MA's), (7, 21934), (12, 22135), (13, 22306), (15, 22345), (16, 22432), (18, 22609), (20, 22615), (22, 22711), (23, 22759), (24, 22777), (25, 22798), (27, 22843), (30, 22882),

Gene: Artiphact_35 Start: 22629, Stop: 23843, Start Num: 6

Candidate Starts for Artiphact_35:

(2, 22530), (Start: 6 @22629 has 31 MA's), (7, 22731), (8, 22737), (12, 22947), (13, 23118), (14, 23133), (16, 23244), (17, 23373), (19, 23430), (20, 23436), (21, 23490), (25, 23631), (26, 23652), (28, 23691),

Gene: Chivey_34 Start: 21781, Stop: 22905, Start Num: 6

Candidate Starts for Chivey_34:

(3, 21700), (Start: 6 @21781 has 31 MA's), (7, 21883), (12, 22084), (13, 22255), (15, 22294), (16, 22381), (18, 22558), (20, 22564), (22, 22660), (23, 22708), (24, 22726), (25, 22747), (27, 22792), (30, 22831),

Gene: CoolCookie_35 Start: 22635, Stop: 23849, Start Num: 6

Candidate Starts for CoolCookie_35:

(Start: 6 @22635 has 31 MA's), (7, 22737), (8, 22743), (12, 22953), (13, 23124), (14, 23139), (16, 23250), (17, 23379), (19, 23436), (20, 23442), (21, 23496), (25, 23637), (26, 23658), (28, 23697),

Gene: Crestdrop_34 Start: 21695, Stop: 22819, Start Num: 6

Candidate Starts for Crestdrop_34:

(3, 21614), (Start: 6 @21695 has 31 MA's), (7, 21797), (12, 21998), (13, 22169), (15, 22208), (16, 22295), (18, 22472), (20, 22478), (22, 22574), (23, 22622), (24, 22640), (25, 22661), (27, 22706), (30, 22745),

Gene: Cybele_35 Start: 22605, Stop: 23819, Start Num: 6

Candidate Starts for Cybele_35:

(2, 22506), (Start: 6 @22605 has 31 MA's), (7, 22707), (8, 22713), (12, 22923), (13, 23094), (14, 23109), (16, 23220), (17, 23349), (19, 23406), (20, 23412), (21, 23466), (25, 23607), (26, 23628), (28, 23667),

Gene: DannyDe_34 Start: 21778, Stop: 22911, Start Num: 6

Candidate Starts for DannyDe_34:

(3, 21697), (Start: 6 @21778 has 31 MA's), (7, 21880), (12, 22081), (13, 22252), (15, 22291), (16, 22378), (18, 22555), (20, 22561), (22, 22657), (23, 22705), (24, 22723), (25, 22744), (27, 22789), (30, 22828),

Gene: Dauntless_34 Start: 22338, Stop: 23462, Start Num: 6

Candidate Starts for Dauntless_34:

(1, 22227), (Start: 6 @22338 has 31 MA's), (7, 22440), (8, 22446), (9, 22452), (12, 22641), (13, 22812), (15, 22851), (16, 22938), (18, 23115), (20, 23121), (22, 23217), (23, 23265), (24, 23283), (25, 23304), (27, 23349), (30, 23388),

Gene: Erudite_34 Start: 22338, Stop: 23462, Start Num: 6

Candidate Starts for Erudite_34:

(1, 22227), (Start: 6 @22338 has 31 MA's), (7, 22440), (8, 22446), (9, 22452), (12, 22641), (13, 22812), (15, 22851), (16, 22938), (18, 23115), (20, 23121), (22, 23217), (23, 23265), (24, 23283), (25, 23304), (27, 23349), (30, 23388),

Gene: FreddieHg_34 Start: 21797, Stop: 22921, Start Num: 6

Candidate Starts for FreddieHg_34:

(3, 21716), (Start: 6 @21797 has 31 MA's), (7, 21899), (12, 22100), (13, 22271), (15, 22310), (16, 22397), (18, 22574), (20, 22580), (22, 22676), (23, 22724), (24, 22742), (25, 22763), (27, 22808), (30, 22847),

Gene: Gilda_35 Start: 22629, Stop: 23843, Start Num: 6

Candidate Starts for Gilda_35:

(2, 22530), (Start: 6 @22629 has 31 MA's), (7, 22731), (8, 22737), (12, 22947), (13, 23118), (15, 23157), (16, 23244), (17, 23373), (19, 23430), (20, 23436), (21, 23490), (25, 23631), (26, 23652), (28, 23691),

Gene: Hager_36 Start: 22192, Stop: 23385, Start Num: 6

Candidate Starts for Hager_36:

(4, 22147), (Start: 6 @22192 has 31 MA's), (7, 22294), (8, 22300), (12, 22510), (14, 22696), (16, 22807), (19, 22993), (20, 22999), (21, 23053), (25, 23194), (26, 23215), (28, 23254), (31, 23329),

Gene: Haunter_35 Start: 22042, Stop: 23235, Start Num: 6

Candidate Starts for Haunter_35:

(2, 21943), (Start: 6 @22042 has 31 MA's), (7, 22144), (8, 22150), (12, 22360), (13, 22531), (14, 22546), (16, 22657), (17, 22786), (19, 22843), (20, 22849), (21, 22903), (25, 23044), (26, 23065), (28, 23104),

Gene: Hiddenleaf_34 Start: 21781, Stop: 22905, Start Num: 6

Candidate Starts for Hiddenleaf_34:

(3, 21700), (Start: 6 @21781 has 31 MA's), (7, 21883), (12, 22084), (13, 22255), (15, 22294), (16, 22381), (18, 22558), (20, 22564), (22, 22660), (23, 22708), (24, 22726), (25, 22747), (27, 22792), (30, 22831),

Gene: JDawG_34 Start: 22365, Stop: 23489, Start Num: 6

Candidate Starts for JDawG_34:

(2, 22266), (3, 22284), (Start: 6 @22365 has 31 MA's), (7, 22467), (12, 22668), (13, 22839), (15, 22878), (16, 22965), (18, 23142), (20, 23148), (22, 23244), (23, 23292), (24, 23310), (25, 23331), (27, 23376), (30, 23415),

Gene: JingleBells_34 Start: 21902, Stop: 23026, Start Num: 6

Candidate Starts for JingleBells_34:

(1, 21791), (Start: 6 @21902 has 31 MA's), (7, 22004), (8, 22010), (9, 22016), (12, 22205), (13, 22376), (14, 22391), (16, 22502), (18, 22679), (20, 22685), (22, 22781), (23, 22829), (24, 22847), (25, 22868), (27, 22913), (30, 22952),

Gene: Karate_34 Start: 22660, Stop: 23841, Start Num: 6

Candidate Starts for Karate_34:

(5, 22639), (Start: 6 @22660 has 31 MA's), (7, 22762), (8, 22768), (10, 22843), (11, 22888), (12, 22966), (14, 23152), (16, 23263), (19, 23449), (20, 23455), (21, 23509), (26, 23671), (28, 23710), (29, 23731),

Gene: Kate_35 Start: 22637, Stop: 23851, Start Num: 6

Candidate Starts for Kate_35:

(2, 22538), (Start: 6 @22637 has 31 MA's), (7, 22739), (8, 22745), (12, 22955), (13, 23126), (14, 23141), (16, 23252), (17, 23381), (19, 23438), (20, 23444), (21, 23498), (25, 23639), (26, 23660), (28, 23699),

Gene: Krampus_35 Start: 22637, Stop: 23851, Start Num: 6

Candidate Starts for Krampus_35:

(2, 22538), (Start: 6 @22637 has 31 MA's), (7, 22739), (8, 22745), (12, 22955), (13, 23126), (14, 23141), (16, 23252), (17, 23381), (19, 23438), (20, 23444), (21, 23498), (25, 23639), (26, 23660), (28, 23699),

Gene: MortySmith_33 Start: 21753, Stop: 22877, Start Num: 6

Candidate Starts for MortySmith_33:

(Start: 6 @21753 has 31 MA's), (7, 21855), (12, 22056), (13, 22227), (15, 22266), (16, 22353), (18, 22530), (20, 22536), (22, 22632), (23, 22680), (24, 22698), (25, 22719), (27, 22764), (30, 22803),

Gene: NarutoRun_35 Start: 22628, Stop: 23818, Start Num: 6

Candidate Starts for NarutoRun_35:

(2, 22529), (Start: 6 @22628 has 31 MA's), (7, 22730), (8, 22736), (12, 22946), (13, 23117), (14, 23132), (16, 23243), (17, 23372), (19, 23429), (20, 23435), (21, 23489), (25, 23630), (26, 23651), (28, 23690),

Gene: Neptune_35 Start: 22605, Stop: 23819, Start Num: 6

Candidate Starts for Neptune_35:

(2, 22506), (Start: 6 @22605 has 31 MA's), (7, 22707), (8, 22713), (12, 22923), (13, 23094), (14, 23109), (16, 23220), (17, 23349), (19, 23406), (20, 23412), (21, 23466), (25, 23607), (26, 23628), (28, 23667),

Gene: OverHedge_35 Start: 22595, Stop: 23809, Start Num: 6

Candidate Starts for OverHedge_35:

(2, 22496), (Start: 6 @22595 has 31 MA's), (7, 22697), (8, 22703), (12, 22913), (13, 23084), (14, 23099), (16, 23210), (17, 23339), (19, 23396), (20, 23402), (21, 23456), (25, 23597), (26, 23618), (28, 23657),

Gene: Pharpay_35 Start: 22650, Stop: 23864, Start Num: 6

Candidate Starts for Pharpay_35:

(2, 22551), (Start: 6 @22650 has 31 MA's), (7, 22752), (8, 22758), (12, 22968), (13, 23139), (14, 23154), (16, 23265), (17, 23394), (19, 23451), (20, 23457), (21, 23511), (25, 23652), (26, 23673), (28, 23712),

Gene: PhunaPhoke_35 Start: 22623, Stop: 23837, Start Num: 6

Candidate Starts for PhunaPhoke_35:

(Start: 6 @22623 has 31 MA's), (7, 22725), (8, 22731), (12, 22941), (13, 23112), (14, 23127), (16, 23238), (17, 23367), (19, 23424), (20, 23430), (21, 23484), (25, 23625), (26, 23646), (28, 23685),

Gene: Potty_35 Start: 22628, Stop: 23842, Start Num: 6

Candidate Starts for Potty_35:

(2, 22529), (Start: 6 @22628 has 31 MA's), (7, 22730), (8, 22736), (12, 22946), (13, 23117), (14, 23132), (16, 23243), (17, 23372), (19, 23429), (20, 23435), (21, 23489), (25, 23630), (26, 23651), (28, 23690),

Gene: Poultruss_34 Start: 22999, Stop: 24189, Start Num: 6

Candidate Starts for Poultruss_34:

(Start: 6 @22999 has 31 MA's), (7, 23101), (8, 23107), (12, 23317), (13, 23488), (14, 23503), (16, 23614), (19, 23800), (20, 23806), (21, 23860), (25, 24001), (26, 24022), (27, 24046), (28, 24061),

Gene: Rachella_35 Start: 22631, Stop: 23845, Start Num: 6

Candidate Starts for Rachella_35:

(2, 22532), (Start: 6 @22631 has 31 MA's), (7, 22733), (8, 22739), (12, 22949), (13, 23120), (14, 23135), (16, 23246), (17, 23375), (19, 23432), (20, 23438), (21, 23492), (25, 23633), (26, 23654), (28, 23693),

Gene: Rie18_35 Start: 22145, Stop: 23332, Start Num: 6

Candidate Starts for Rie18_35:

(4, 22100), (Start: 6 @22145 has 31 MA's), (7, 22247), (8, 22253), (12, 22457), (14, 22643), (16, 22754), (19, 22940), (20, 22946), (21, 23000), (25, 23141), (26, 23162), (28, 23201),

Gene: SilentWarrior_34 Start: 21794, Stop: 22918, Start Num: 6

Candidate Starts for SilentWarrior_34:

(3, 21713), (Start: 6 @21794 has 31 MA's), (7, 21896), (12, 22097), (13, 22268), (15, 22307), (16, 22394), (18, 22571), (20, 22577), (22, 22673), (23, 22721), (24, 22739), (25, 22760), (27, 22805), (30, 22844),

Gene: Snakehole_35 Start: 21878, Stop: 23020, Start Num: 6

Candidate Starts for Snakehole_35:

(Start: 6 @21878 has 31 MA's), (7, 21980), (8, 21986), (12, 22190), (13, 22361), (14, 22376), (16, 22487), (18, 22664), (20, 22670), (22, 22766), (24, 22832), (25, 22853), (26, 22874), (30, 22937),

Gene: Tedro_35 Start: 22101, Stop: 23315, Start Num: 6

Candidate Starts for Tedro_35:

(2, 22002), (Start: 6 @22101 has 31 MA's), (7, 22203), (8, 22209), (12, 22419), (13, 22590), (14, 22605), (16, 22716), (17, 22845), (19, 22902), (20, 22908), (21, 22962), (25, 23103), (26, 23124), (28, 23163),