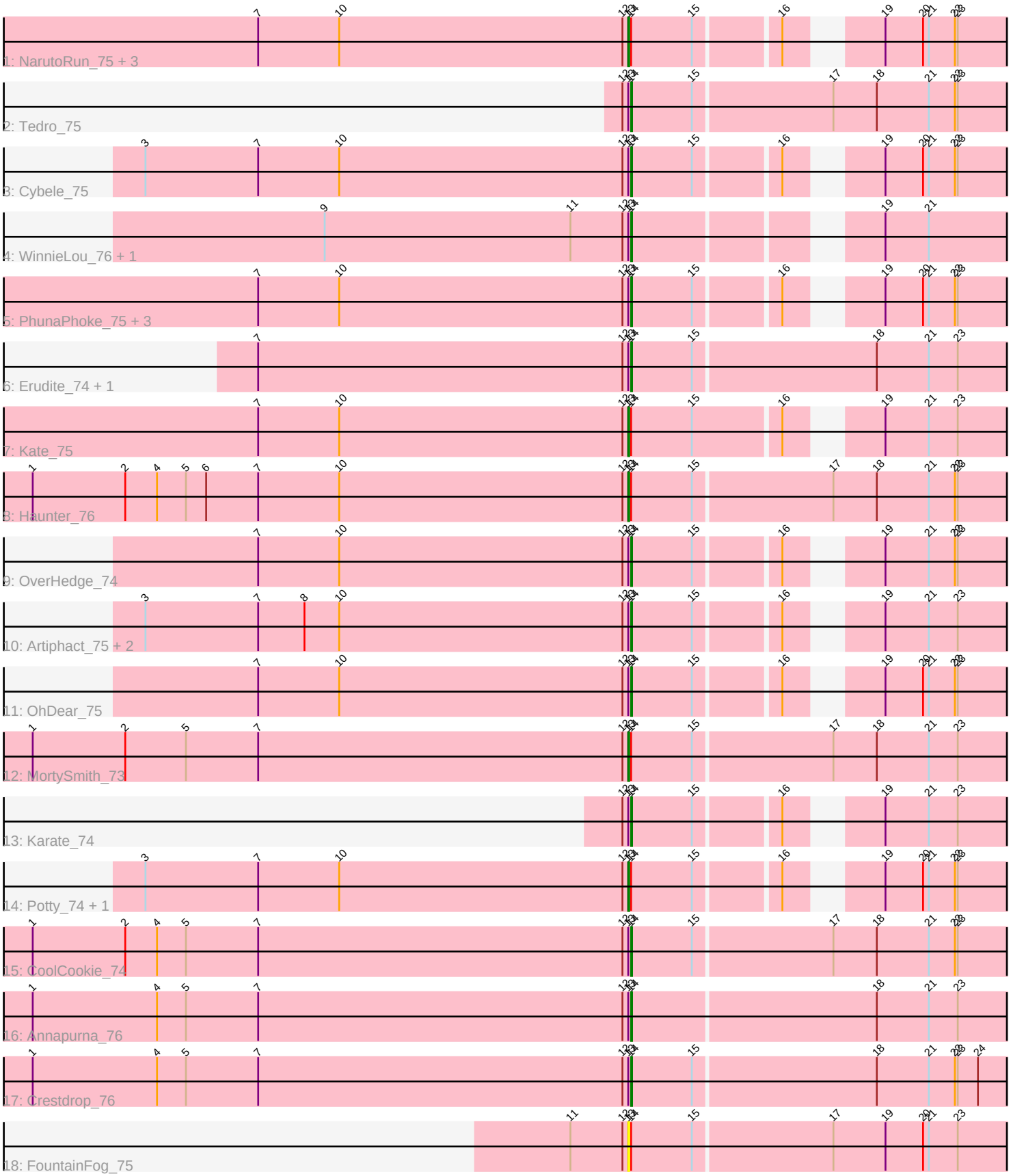
Pham 347918


1: NarutoRun_75 + 3
2: Tedro_75
3: Cybele_75
4: WinnieLou_76 + 1
5: PhunaPhoke_75 + 3
6: Erudite_74 + 1
7: Kate_75
8: Haunter_76
9: OverHedge_74
10: Artiphact_75 + 2
11: OhDear_75
12: MortySmith_73
13: Karate_74
14: Potty_74 + 1
15: CoolCookie_74
16: Annapurna_76
17: Crestdrop_76
18: FountainFog_75

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 347918 Report

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

Pham number 347918 has 29 members, 3 are drafts.

Phages represented in each track:
• Track 1 : NarutoRun_75, AnnaSerena_75, Anakin_75, Krampus_75
• Track 2 : Tedro_75
• Track 3 : Cybele_75
• Track 4 : WinnieLou_76, Hager_77
• Track 5 : PhunaPhoke_75, Gilda_75, SafetyGuy_74, Rachella_75
• Track 6 : Erudite_74, Dauntless_74
• Track 7 : Kate_75
• Track 8 : Haunter_76
• Track 9 : OverHedge_74
• Track 10 : Artiphact_75, Pharpay_74, Tiggy93_75
• Track 11 : OhDear_75
• Track 12 : MortySmith_73
• Track 13 : Karate_74
• Track 14 : Potty_74, Neptune_75
• Track 15 : CoolCookie_74
• Track 16 : Annapurna_76
• Track 17 : Crestdrop_76
• Track 18 : FountainFog_75

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

The start number called the most often in the published annotations is 14, it was called in 17 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annapurna_76, Artiphact_75, CoolCookie_74, Crestdrop_76, Cybele_75, Dauntless_74, Erudite_74, Gilda_75, Hager_77, Karate_74, OhDear_75, OverHedge_74, Pharpay_74, PhunaPhoke_75, Rachella_75, SafetyGuy_74, Tedro_75, Tiggy93_75, WinnieLou_76,

Genes that have the "Most Annotated" start but do not call it:
• Anakin_75, AnnaSerena_75, FountainFog_75, Haunter_76, Kate_75, Krampus_75, MortySmith_73, NarutoRun_75, Neptune_75, Potty_74,

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

Summary by start number:

Start 13:
• Found in 29 of 29 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 26
• Called 34.5% of time when present
• Phage (with cluster) where this start called: Anakin_75 (EF), AnnaSerena_75 (EF), FountainFog_75 (EF), Haunter_76 (EF), Kate_75 (EF), Krampus_75 (EF), MortySmith_73 (EF), NarutoRun_75 (EF), Neptune_75 (EF), Potty_74 (EF),

Start 14:
• Found in 29 of 29 (100.0%) of genes in pham
• Manual Annotations of this start: 17 of 26
• Called 65.5% of time when present
• Phage (with cluster) where this start called: Annapurna_76 (EF), Artiphact_75 (EF), CoolCookie_74 (EF), Crestdrop_76 (EF), Cybele_75 (EF), Dauntless_74 (EF), Erudite_74 (EF), Gilda_75 (EF), Hager_77 (EF), Karate_74 (EF), OhDear_75 (EF), OverHedge_74 (EF), Pharpay_74 (EF), PhunaPhoke_75 (EF), Rachella_75 (EF), SafetyGuy_74 (EF), Tedro_75 (EF), Tiggy93_75 (EF), WinnieLou_76 (EF),

Summary by clusters:

There is one cluster represented in this pham: EF

Info for manual annotations of cluster EF:
•Start number 13 was manually annotated 9 times for cluster EF.
•Start number 14 was manually annotated 17 times for cluster EF.

Gene Information:

Gene: Anakin_75 Start: 52940, Stop: 53368, Start Num: 13
Candidate Starts for Anakin_75:
(7, 52556), (10, 52640), (12, 52934), (Start: 13 @52940 has 9 MA's), (Start: 14 @52943 has 17 MA's), (15, 53006), (16, 53087), (19, 53156), (20, 53195), (21, 53201), (22, 53228), (23, 53231),

Gene: AnnaSerena_75 Start: 52974, Stop: 53402, Start Num: 13
Candidate Starts for AnnaSerena_75:
(7, 52590), (10, 52674), (12, 52968), (Start: 13 @52974 has 9 MA's), (Start: 14 @52977 has 17 MA's), (15, 53040), (16, 53121), (19, 53190), (20, 53229), (21, 53235), (22, 53262), (23, 53265),

Gene: Annapurna_76 Start: 52532, Stop: 53002, Start Num: 14
Candidate Starts for Annapurna_76:
(1, 51911), (4, 52040), (5, 52070), (7, 52145), (12, 52523), (Start: 13 @52529 has 9 MA's), (Start: 14 @52532 has 17 MA's), (18, 52781), (21, 52835), (23, 52865),

Gene: Artiphact_75 Start: 52967, Stop: 53392, Start Num: 14
Candidate Starts for Artiphact_75:

(3, 52463), (7, 52580), (8, 52628), (10, 52664), (12, 52958), (Start: 13 @52964 has 9 MA's), (Start: 14 @52967 has 17 MA's), (15, 53030), (16, 53111), (19, 53180), (21, 53225), (23, 53255),

Gene: CoolCookie_74 Start: 53031, Stop: 53501, Start Num: 14
Candidate Starts for CoolCookie_74:
(1, 52410), (2, 52506), (4, 52539), (5, 52569), (7, 52644), (12, 53022), (Start: 13 @53028 has 9 MA's), (Start: 14 @53031 has 17 MA's), (15, 53094), (17, 53235), (18, 53280), (21, 53334), (22, 53361), (23, 53364),

Gene: Crestdrop_76 Start: 52855, Stop: 53322, Start Num: 14
Candidate Starts for Crestdrop_76:
(1, 52234), (4, 52363), (5, 52393), (7, 52468), (12, 52846), (Start: 13 @52852 has 9 MA's), (Start: 14 @52855 has 17 MA's), (15, 52918), (18, 53104), (21, 53158), (22, 53185), (23, 53188), (24, 53209),

Gene: Cybele_75 Start: 52973, Stop: 53398, Start Num: 14
Candidate Starts for Cybele_75:
(3, 52469), (7, 52586), (10, 52670), (12, 52964), (Start: 13 @52970 has 9 MA's), (Start: 14 @52973 has 17 MA's), (15, 53036), (16, 53117), (19, 53186), (20, 53225), (21, 53231), (22, 53258), (23, 53261),

Gene: Dauntless_74 Start: 52564, Stop: 53034, Start Num: 14
Candidate Starts for Dauntless_74:
(7, 52177), (12, 52555), (Start: 13 @52561 has 9 MA's), (Start: 14 @52564 has 17 MA's), (15, 52627), (18, 52813), (21, 52867), (23, 52897),

Gene: Erudite_74 Start: 52564, Stop: 53034, Start Num: 14
Candidate Starts for Erudite_74:
(7, 52177), (12, 52555), (Start: 13 @52561 has 9 MA's), (Start: 14 @52564 has 17 MA's), (15, 52627), (18, 52813), (21, 52867), (23, 52897),

Gene: FountainFog_75 Start: 52404, Stop: 52877, Start Num: 13
Candidate Starts for FountainFog_75:
(11, 52344), (12, 52398), (Start: 13 @52404 has 9 MA's), (Start: 14 @52407 has 17 MA's), (15, 52470), (17, 52611), (19, 52665), (20, 52704), (21, 52710), (23, 52740),

Gene: Gilda_75 Start: 52965, Stop: 53390, Start Num: 14
Candidate Starts for Gilda_75:
(7, 52578), (10, 52662), (12, 52956), (Start: 13 @52962 has 9 MA's), (Start: 14 @52965 has 17 MA's), (15, 53028), (16, 53109), (19, 53178), (20, 53217), (21, 53223), (22, 53250), (23, 53253),

Gene: Hager_77 Start: 52431, Stop: 52856, Start Num: 14
Candidate Starts for Hager_77:
(9, 52113), (11, 52368), (12, 52422), (Start: 13 @52428 has 9 MA's), (Start: 14 @52431 has 17 MA's), (19, 52644), (21, 52689),

Gene: Haunter_76 Start: 52338, Stop: 52811, Start Num: 13
Candidate Starts for Haunter_76:
(1, 51720), (2, 51816), (4, 51849), (5, 51879), (6, 51900), (7, 51954), (10, 52038), (12, 52332), (Start: 13 @52338 has 9 MA's), (Start: 14 @52341 has 17 MA's), (15, 52404), (17, 52545), (18, 52590), (21, 52644), (22, 52671), (23, 52674),

Gene: Karate_74 Start: 52677, Stop: 53102, Start Num: 14
Candidate Starts for Karate_74:

(12, 52668), (Start: 13 @52674 has 9 MA's), (Start: 14 @52677 has 17 MA's), (15, 52740), (16, 52821), (19, 52890), (21, 52935), (23, 52965),

Gene: Kate_75 Start: 52879, Stop: 53313, Start Num: 13
Candidate Starts for Kate_75:
(7, 52495), (10, 52579), (12, 52873), (Start: 13 @52879 has 9 MA's), (Start: 14 @52882 has 17 MA's), (15, 52945), (16, 53032), (19, 53101), (21, 53146), (23, 53176),

Gene: Krampus_75 Start: 52975, Stop: 53403, Start Num: 13
Candidate Starts for Krampus_75:
(7, 52591), (10, 52675), (12, 52969), (Start: 13 @52975 has 9 MA's), (Start: 14 @52978 has 17 MA's), (15, 53041), (16, 53122), (19, 53191), (20, 53230), (21, 53236), (22, 53263), (23, 53266),

Gene: MortySmith_73 Start: 52035, Stop: 52508, Start Num: 13
Candidate Starts for MortySmith_73:
(1, 51417), (2, 51513), (5, 51576), (7, 51651), (12, 52029), (Start: 13 @52035 has 9 MA's), (Start: 14 @52038 has 17 MA's), (15, 52101), (17, 52242), (18, 52287), (21, 52341), (23, 52371),

Gene: NarutoRun_75 Start: 52940, Stop: 53368, Start Num: 13
Candidate Starts for NarutoRun_75:
(7, 52556), (10, 52640), (12, 52934), (Start: 13 @52940 has 9 MA's), (Start: 14 @52943 has 17 MA's), (15, 53006), (16, 53087), (19, 53156), (20, 53195), (21, 53201), (22, 53228), (23, 53231),

Gene: Neptune_75 Start: 52970, Stop: 53398, Start Num: 13
Candidate Starts for Neptune_75:
(3, 52469), (7, 52586), (10, 52670), (12, 52964), (Start: 13 @52970 has 9 MA's), (Start: 14 @52973 has 17 MA's), (15, 53036), (16, 53117), (19, 53186), (20, 53225), (21, 53231), (22, 53258), (23, 53261),

Gene: OhDear_75 Start: 52941, Stop: 53366, Start Num: 14
Candidate Starts for OhDear_75:
(7, 52554), (10, 52638), (12, 52932), (Start: 13 @52938 has 9 MA's), (Start: 14 @52941 has 17 MA's), (15, 53004), (16, 53085), (19, 53154), (20, 53193), (21, 53199), (22, 53226), (23, 53229),

Gene: OverHedge_74 Start: 52839, Stop: 53264, Start Num: 14
Candidate Starts for OverHedge_74:
(7, 52452), (10, 52536), (12, 52830), (Start: 13 @52836 has 9 MA's), (Start: 14 @52839 has 17 MA's), (15, 52902), (16, 52983), (19, 53052), (21, 53097), (22, 53124), (23, 53127),

Gene: Pharpay_74 Start: 52988, Stop: 53413, Start Num: 14
Candidate Starts for Pharpay_74:
(3, 52484), (7, 52601), (8, 52649), (10, 52685), (12, 52979), (Start: 13 @52985 has 9 MA's), (Start: 14 @52988 has 17 MA's), (15, 53051), (16, 53132), (19, 53201), (21, 53246), (23, 53276),

Gene: PhunaPhoke_75 Start: 52958, Stop: 53383, Start Num: 14
Candidate Starts for PhunaPhoke_75:
(7, 52571), (10, 52655), (12, 52949), (Start: 13 @52955 has 9 MA's), (Start: 14 @52958 has 17 MA's), (15, 53021), (16, 53102), (19, 53171), (20, 53210), (21, 53216), (22, 53243), (23, 53246),

Gene: Potty_74 Start: 52885, Stop: 53313, Start Num: 13
Candidate Starts for Potty_74:
(3, 52384), (7, 52501), (10, 52585), (12, 52879), (Start: 13 @52885 has 9 MA's), (Start: 14 @52888 has 17 MA's), (15, 52951), (16, 53032), (19, 53101), (20, 53140), (21, 53146), (22, 53173), (23, 53176),

Gene: Rachella_75 Start: 52969, Stop: 53394, Start Num: 14
Candidate Starts for Rachella_75:
(7, 52582), (10, 52666), (12, 52960), (Start: 13 @52966 has 9 MA's), (Start: 14 @52969 has 17 MA's), (15, 53032), (16, 53113), (19, 53182), (20, 53221), (21, 53227), (22, 53254), (23, 53257),

Gene: SafetyGuy_74 Start: 52949, Stop: 53374, Start Num: 14
Candidate Starts for SafetyGuy_74:
(7, 52562), (10, 52646), (12, 52940), (Start: 13 @52946 has 9 MA's), (Start: 14 @52949 has 17 MA's), (15, 53012), (16, 53093), (19, 53162), (20, 53201), (21, 53207), (22, 53234), (23, 53237),

Gene: Tedro_75 Start: 52428, Stop: 52898, Start Num: 14
Candidate Starts for Tedro_75:
(12, 52419), (Start: 13 @52425 has 9 MA's), (Start: 14 @52428 has 17 MA's), (15, 52491), (17, 52632), (18, 52677), (21, 52731), (22, 52758), (23, 52761),

Gene: Tiggy93_75 Start: 52987, Stop: 53412, Start Num: 14
Candidate Starts for Tiggy93_75:
(3, 52483), (7, 52600), (8, 52648), (10, 52684), (12, 52978), (Start: 13 @52984 has 9 MA's), (Start: 14 @52987 has 17 MA's), (15, 53050), (16, 53131), (19, 53200), (21, 53245), (23, 53275),

Gene: WinnieLou_76 Start: 52431, Stop: 52856, Start Num: 14
Candidate Starts for WinnieLou_76:
(9, 52113), (11, 52368), (12, 52422), (Start: 13 @52428 has 9 MA's), (Start: 14 @52431 has 17 MA's), (19, 52644), (21, 52689),