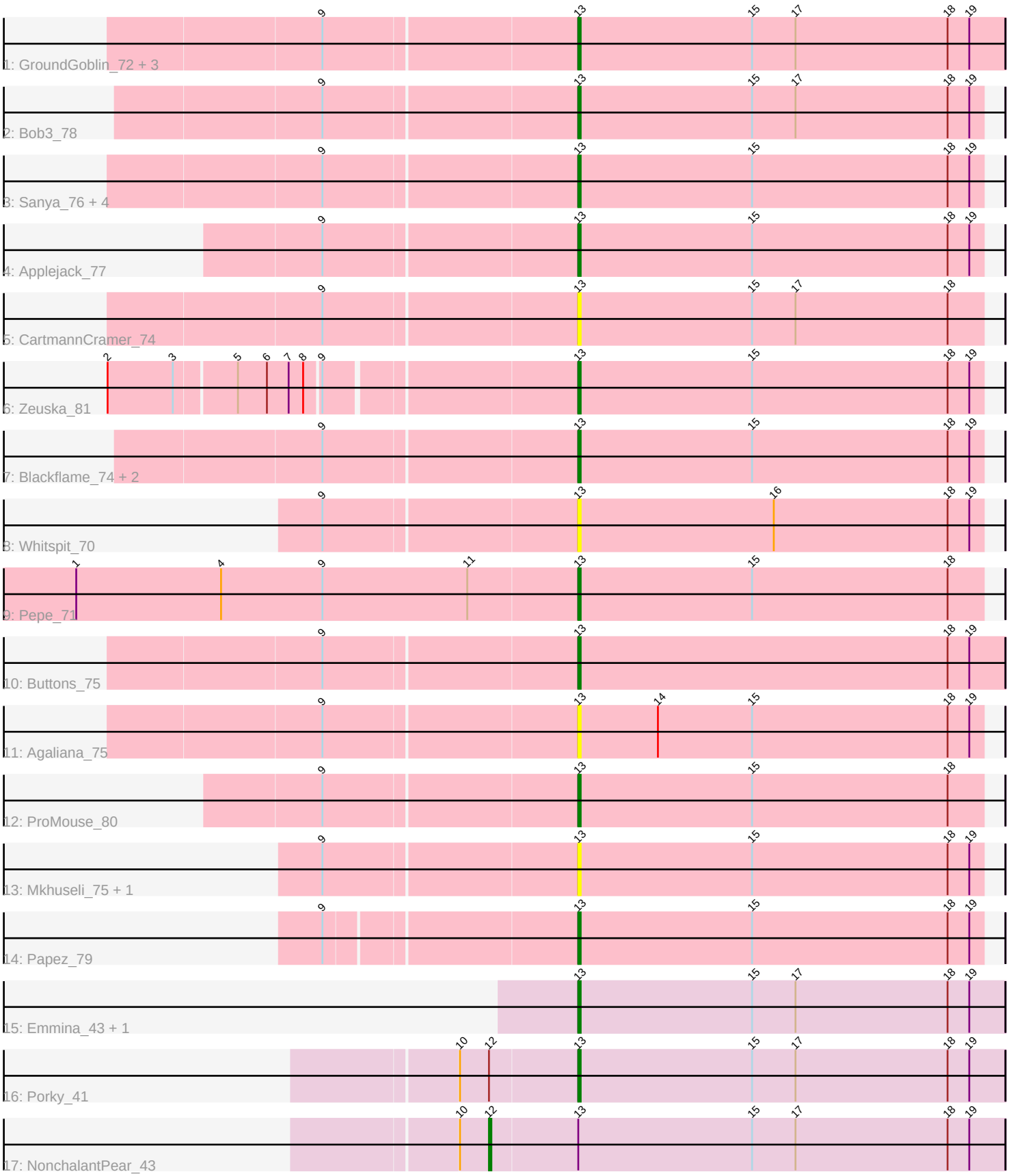
Pham 347937


1: GroundGoblin_72 + 3
2: Bob3_78
3: Sanya_76 + 4
4: Applejack_77
5: CartmannCramer_74
6: Zeuska_81
7: Blackflame_74 + 2
8: Whitspit_70
9: Pepe_71
10: Buttons_75
11: Agaliana_75
12: ProMouse_80
13: Mkhuseli_75 + 1
14: Papez_79
15: Emmina_43 + 1
16: Porky_41
17: NonchalantPear_43

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 347937 Report

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

Pham number 347937 has 28 members, 12 are drafts.

Phages represented in each track:
• Track 1 : GroundGoblin_72, Sandaddy_76, DirtDevil_72, CatBus_70
• Track 2 : Bob3_78
• Track 3 : Sanya_76, Oogway_76, Iqorha_69, Teodoridan_75, Inyanga_69
• Track 4 : Applejack_77
• Track 5 : CartmannCramer_74
• Track 6 : Zeuska_81
• Track 7 : Blackflame_74, Dexes_81, Bones_73
• Track 8 : Whitspit_70
• Track 9 : Pepe_71
• Track 10 : Buttons_75
• Track 11 : Agaliana_75
• Track 12 : ProMouse_80
• Track 13 : Mkhuseli_75, ChristmasHams_69
• Track 14 : Papez_79
• Track 15 : Emmina_43, Teaspoon_44
• Track 16 : Porky_41
• Track 17 : NonchalantPear_43

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

The start number called the most often in the published annotations is 13, it was called in 15 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agaliana_75, Applejack_77, Blackflame_74, Bob3_78, Bones_73, Buttons_75, CartmannCramer_74, CatBus_70, ChristmasHams_69, Dexes_81, DirtDevil_72, Emmina_43, GroundGoblin_72, Inyanga_69, Iqorha_69, Mkhuseli_75, Oogway_76, Papez_79, Pepe_71, Porky_41, ProMouse_80, Sandaddy_76, Sanya_76, Teaspoon_44, Teodoridan_75, Whitspit_70, Zeuska_81,

Genes that have the "Most Annotated" start but do not call it:
• NonchalantPear_43,

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

•

Summary by start number:

Start 12:
• Found in 2 of 28 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 50.0% of time when present
• Phage (with cluster) where this start called: NonchalantPear_43 (E),

Start 13:
• Found in 28 of 28 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 16
• Called 96.4% of time when present
• Phage (with cluster) where this start called: Agaliana_75 (A1), Applejack_77 (A1), Blackflame_74 (A1), Bob3_78 (A1), Bones_73 (A1), Buttons_75 (A1), CartmannCramer_74 (A1), CatBus_70 (A1), ChristmasHams_69 (A1), Dexes_81 (A1), DirtDevil_72 (A1), Emmina_43 (E), GroundGoblin_72 (A1), Inyanga_69 (A1), Iqorha_69 (A1), Mkhuseli_75 (A1), Oogway_76 (A1), Papez_79 (A1), Pepe_71 (A1), Porky_41 (E), ProMouse_80 (A1), Sandaddy_76 (A1), Sanya_76 (A1), Teaspoon_44 (E), Teodoridan_75 (A1), Whitspit_70 (A1), Zeuska_81 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, E,

Info for manual annotations of cluster A1:
•Start number 13 was manually annotated 12 times for cluster A1.

Info for manual annotations of cluster E:
•Start number 12 was manually annotated 1 time for cluster E.
•Start number 13 was manually annotated 3 times for cluster E.

Gene Information:

Gene: Agaliana_75 Start: 45820, Stop: 45653, Start Num: 13
Candidate Starts for Agaliana_75:
(9, 45922), (Start: 13 @45820 has 15 MA's), (14, 45787), (15, 45748), (18, 45667), (19, 45658),

Gene: Applejack_77 Start: 45484, Stop: 45317, Start Num: 13
Candidate Starts for Applejack_77:
(9, 45586), (Start: 13 @45484 has 15 MA's), (15, 45412), (18, 45331), (19, 45322),

Gene: Blackflame_74 Start: 47368, Stop: 47201, Start Num: 13
Candidate Starts for Blackflame_74:
(9, 47470), (Start: 13 @47368 has 15 MA's), (15, 47296), (18, 47215), (19, 47206),

Gene: Bob3_78 Start: 47855, Stop: 47688, Start Num: 13
Candidate Starts for Bob3_78:
(9, 47957), (Start: 13 @47855 has 15 MA's), (15, 47783), (17, 47765), (18, 47702), (19, 47693),

Gene: Bones_73 Start: 47161, Stop: 46994, Start Num: 13
Candidate Starts for Bones_73:
(9, 47263), (Start: 13 @47161 has 15 MA's), (15, 47089), (18, 47008), (19, 46999),

Gene: Buttons_75 Start: 45560, Stop: 45384, Start Num: 13
Candidate Starts for Buttons_75:
(9, 45662), (Start: 13 @45560 has 15 MA's), (18, 45407), (19, 45398),

Gene: CartmannCramer_74 Start: 48186, Stop: 48019, Start Num: 13
Candidate Starts for CartmannCramer_74:
(9, 48288), (Start: 13 @48186 has 15 MA's), (15, 48114), (17, 48096), (18, 48033),

Gene: CatBus_70 Start: 45885, Stop: 45709, Start Num: 13
Candidate Starts for CatBus_70:
(9, 45987), (Start: 13 @45885 has 15 MA's), (15, 45813), (17, 45795), (18, 45732), (19, 45723),

Gene: ChristmasHams_69 Start: 44195, Stop: 44028, Start Num: 13
Candidate Starts for ChristmasHams_69:
(9, 44297), (Start: 13 @44195 has 15 MA's), (15, 44123), (18, 44042), (19, 44033),

Gene: Dexes_81 Start: 50369, Stop: 50202, Start Num: 13
Candidate Starts for Dexes_81:
(9, 50471), (Start: 13 @50369 has 15 MA's), (15, 50297), (18, 50216), (19, 50207),

Gene: DirtDevil_72 Start: 45693, Stop: 45517, Start Num: 13
Candidate Starts for DirtDevil_72:
(9, 45795), (Start: 13 @45693 has 15 MA's), (15, 45621), (17, 45603), (18, 45540), (19, 45531),

Gene: Emmina_43 Start: 34507, Stop: 34331, Start Num: 13
Candidate Starts for Emmina_43:
(Start: 13 @34507 has 15 MA's), (15, 34435), (17, 34417), (18, 34354), (19, 34345),

Gene: GroundGoblin_72 Start: 45835, Stop: 45659, Start Num: 13
Candidate Starts for GroundGoblin_72:
(9, 45937), (Start: 13 @45835 has 15 MA's), (15, 45763), (17, 45745), (18, 45682), (19, 45673),

Gene: Inyanga_69 Start: 45800, Stop: 45633, Start Num: 13
Candidate Starts for Inyanga_69:
(9, 45902), (Start: 13 @45800 has 15 MA's), (15, 45728), (18, 45647), (19, 45638),

Gene: Iqorha_69 Start: 45799, Stop: 45632, Start Num: 13
Candidate Starts for Iqorha_69:
(9, 45901), (Start: 13 @45799 has 15 MA's), (15, 45727), (18, 45646), (19, 45637),

Gene: Mkhuseli_75 Start: 45140, Stop: 44973, Start Num: 13
Candidate Starts for Mkhuseli_75:
(9, 45242), (Start: 13 @45140 has 15 MA's), (15, 45068), (18, 44987), (19, 44978),

Gene: NonchalantPear_43 Start: 34547, Stop: 34335, Start Num: 12
Candidate Starts for NonchalantPear_43:
(10, 34559), (Start: 12 @34547 has 1 MA's), (Start: 13 @34511 has 15 MA's), (15, 34439), (17, 34421), (18, 34358), (19, 34349),

Gene: Oogway_76 Start: 47549, Stop: 47382, Start Num: 13
Candidate Starts for Oogway_76:
(9, 47651), (Start: 13 @47549 has 15 MA's), (15, 47477), (18, 47396), (19, 47387),

Gene: Papez_79 Start: 48159, Stop: 47992, Start Num: 13
Candidate Starts for Papez_79:
(9, 48258), (Start: 13 @48159 has 15 MA's), (15, 48087), (18, 48006), (19, 47997),

Gene: Pepe_71 Start: 44846, Stop: 44679, Start Num: 13
Candidate Starts for Pepe_71:
(1, 45053), (4, 44993), (9, 44951), (11, 44891), (Start: 13 @44846 has 15 MA's), (15, 44774), (18, 44693),

Gene: Porky_41 Start: 34516, Stop: 34340, Start Num: 13
Candidate Starts for Porky_41:
(10, 34564), (Start: 12 @34552 has 1 MA's), (Start: 13 @34516 has 15 MA's), (15, 34444), (17, 34426), (18, 34363), (19, 34354),

Gene: ProMouse_80 Start: 46763, Stop: 46596, Start Num: 13
Candidate Starts for ProMouse_80:
(9, 46865), (Start: 13 @46763 has 15 MA's), (15, 46691), (18, 46610),

Gene: Sandaddy_76 Start: 47590, Stop: 47423, Start Num: 13
Candidate Starts for Sandaddy_76:
(9, 47692), (Start: 13 @47590 has 15 MA's), (15, 47518), (17, 47500), (18, 47437), (19, 47428),

Gene: Sanya_76 Start: 47723, Stop: 47556, Start Num: 13
Candidate Starts for Sanya_76:
(9, 47825), (Start: 13 @47723 has 15 MA's), (15, 47651), (18, 47570), (19, 47561),

Gene: Teaspoon_44 Start: 35222, Stop: 35046, Start Num: 13
Candidate Starts for Teaspoon_44:
(Start: 13 @35222 has 15 MA's), (15, 35150), (17, 35132), (18, 35069), (19, 35060),

Gene: Teodoridan_75 Start: 45299, Stop: 45132, Start Num: 13
Candidate Starts for Teodoridan_75:
(9, 45401), (Start: 13 @45299 has 15 MA's), (15, 45227), (18, 45146), (19, 45137),

Gene: Whitspit_70 Start: 44343, Stop: 44176, Start Num: 13
Candidate Starts for Whitspit_70:
(9, 44445), (Start: 13 @44343 has 15 MA's), (16, 44262), (18, 44190), (19, 44181),

Gene: Zeuska_81 Start: 49026, Stop: 48859, Start Num: 13
Candidate Starts for Zeuska_81:
(2, 49209), (3, 49182), (5, 49158), (6, 49146), (7, 49137), (8, 49131), (9, 49125), (Start: 13 @49026 has 15 MA's), (15, 48954), (18, 48873), (19, 48864),