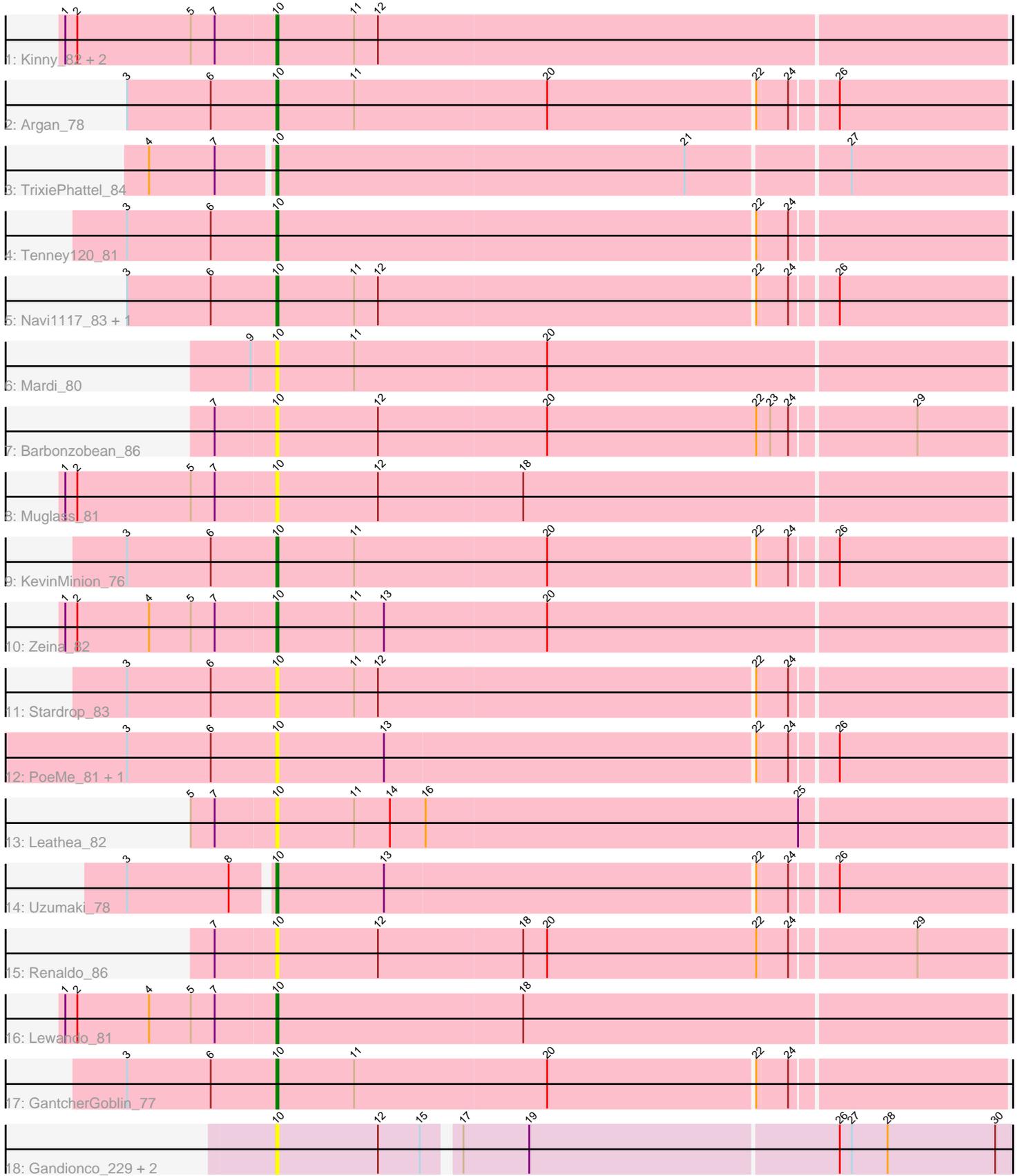# Pham 284149

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 284149 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284149 has 24 members, 13 are drafts.

Phages represented in each track:
• Track 1 : Kinny_82, Biscute_79, BarbieDoll_83
• Track 2 : Argan_78
• Track 3 : TrixiePhattel_84
• Track 4 : Tenney120_81
• Track 5 : Navi1117_83, Phaila_81
• Track 6 : Mardi_80
• Track 7 : Barbonzobean_86
• Track 8 : Muglass_81
• Track 9 : KevinMinion_76
• Track 10 : Zeina_82
• Track 11 : Stardrop_83
• Track 12 : PoeMe_81, Altjira_82
• Track 13 : Leathea_82
• Track 14 : Uzumaki_78
• Track 15 : Renaldo_86
• Track 16 : Lewando_81
• Track 17 : GantcherGoblin_77
• Track 18 : Gandionco_229, Marianna39_229, JeNeSaisPas_223

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

The start number called the most often in the published annotations is 10, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Altjira_82, Argan_78, BarbieDoll_83, Barbonzobean_86, Biscute_79, Gandionco_229, GantcherGoblin_77, JeNeSaisPas_223, KevinMinion_76, Kinny_82, Leathea_82, Lewando_81, Mardi_80, Marianna39_229, Muglass_81, Navi1117_83, Phaila_81, PoeMe_81, Renaldo_86, Stardrop_83, Tenney120_81, TrixiePhattel_84, Uzumaki_78, Zeina_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 10:
• Found in 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altjira_82 (AU6), Argan_78 (AU6), BarbieDoll_83 (AU6), Barbonzobean_86 (AU6), Biscute_79 (AU6), Gandionco_229 (FK), GantcherGoblin_77 (AU6), JeNeSaisPas_223 (FK), KevinMinion_76 (AU6), Kinny_82 (AU6), Leathea_82 (AU6), Lewando_81 (AU6), Mardi_80 (AU6), Marianna39_229 (FK), Muglass_81 (AU6), Navi1117_83 (AU6), Phaila_81 (AU6), PoeMe_81 (AU6), Renaldo_86 (AU6), Stardrop_83 (AU6), Tenney120_81 (AU6), TrixiePhattel_84 (AU6), Uzumaki_78 (AU6), Zeina_82 (AU6),

Summary by clusters:

There are 2 clusters represented in this pham: FK, AU6,

Info for manual annotations of cluster AU6:
•Start number 10 was manually annotated 11 times for cluster AU6.

Gene Information:

Gene: Altjira_82 Start: 48879, Stop: 49235, Start Num: 10
Candidate Starts for Altjira_82:
(3, 48804), (6, 48846), (Start: 10 @48879 has 11 MA's), (13, 48933), (22, 49116), (24, 49131), (26, 49152),

Gene: Argan_78 Start: 47443, Stop: 47799, Start Num: 10
Candidate Starts for Argan_78:
(3, 47368), (6, 47410), (Start: 10 @47443 has 11 MA's), (11, 47482), (20, 47578), (22, 47680), (24, 47695), (26, 47716),

Gene: BarbieDoll_83 Start: 49031, Stop: 49393, Start Num: 10
Candidate Starts for BarbieDoll_83:
(1, 48926), (2, 48932), (5, 48989), (7, 49001), (Start: 10 @49031 has 11 MA's), (11, 49070), (12, 49082),

Gene: Barbonzobean_86 Start: 49539, Stop: 49898, Start Num: 10
Candidate Starts for Barbonzobean_86:
(7, 49509), (Start: 10 @49539 has 11 MA's), (12, 49590), (20, 49674), (22, 49779), (23, 49785), (24, 49794), (29, 49854),

Gene: Biscute_79 Start: 48683, Stop: 49045, Start Num: 10
Candidate Starts for Biscute_79:
(1, 48578), (2, 48584), (5, 48641), (7, 48653), (Start: 10 @48683 has 11 MA's), (11, 48722), (12, 48734),

Gene: Gandionco_229 Start: 103763, Stop: 104122, Start Num: 10
Candidate Starts for Gandionco_229:
(Start: 10 @103763 has 11 MA's), (12, 103814), (15, 103835), (17, 103850), (19, 103883), (26, 104036), (27, 104042), (28, 104060), (30, 104114),

Gene: GantcherGoblin_77 Start: 47604, Stop: 47960, Start Num: 10
Candidate Starts for GantcherGoblin_77:
(3, 47529), (6, 47571), (Start: 10 @47604 has 11 MA's), (11, 47643), (20, 47739), (22, 47841), (24, 47856),

Gene: JeNeSaisPas_223 Start: 104089, Stop: 104448, Start Num: 10
Candidate Starts for JeNeSaisPas_223:
(Start: 10 @104089 has 11 MA's), (12, 104140), (15, 104161), (17, 104176), (19, 104209), (26, 104362), (27, 104368), (28, 104386), (30, 104440),

Gene: KevinMinion_76 Start: 48394, Stop: 48750, Start Num: 10
Candidate Starts for KevinMinion_76:
(3, 48319), (6, 48361), (Start: 10 @48394 has 11 MA's), (11, 48433), (20, 48529), (22, 48631), (24, 48646), (26, 48667),

Gene: Kinny_82 Start: 49510, Stop: 49872, Start Num: 10
Candidate Starts for Kinny_82:
(1, 49405), (2, 49411), (5, 49468), (7, 49480), (Start: 10 @49510 has 11 MA's), (11, 49549), (12, 49561),

Gene: Leathea_82 Start: 47629, Stop: 47991, Start Num: 10
Candidate Starts for Leathea_82:
(5, 47587), (7, 47599), (Start: 10 @47629 has 11 MA's), (11, 47668), (14, 47686), (16, 47704), (25, 47890),

Gene: Lewando_81 Start: 48819, Stop: 49181, Start Num: 10
Candidate Starts for Lewando_81:
(1, 48714), (2, 48720), (4, 48756), (5, 48777), (7, 48789), (Start: 10 @48819 has 11 MA's), (18, 48942),

Gene: Mardi_80 Start: 48240, Stop: 48602, Start Num: 10
Candidate Starts for Mardi_80:
(9, 48228), (Start: 10 @48240 has 11 MA's), (11, 48279), (20, 48375),

Gene: Marianna39_229 Start: 104366, Stop: 104725, Start Num: 10
Candidate Starts for Marianna39_229:
(Start: 10 @104366 has 11 MA's), (12, 104417), (15, 104438), (17, 104453), (19, 104486), (26, 104639), (27, 104645), (28, 104663), (30, 104717),

Gene: Muglass_81 Start: 48587, Stop: 48949, Start Num: 10
Candidate Starts for Muglass_81:
(1, 48482), (2, 48488), (5, 48545), (7, 48557), (Start: 10 @48587 has 11 MA's), (12, 48638), (18, 48710),

Gene: Navi1117_83 Start: 49150, Stop: 49506, Start Num: 10
Candidate Starts for Navi1117_83:
(3, 49075), (6, 49117), (Start: 10 @49150 has 11 MA's), (11, 49189), (12, 49201), (22, 49387), (24, 49402), (26, 49423),

Gene: Phaila_81 Start: 47624, Stop: 47980, Start Num: 10
Candidate Starts for Phaila_81:
(3, 47549), (6, 47591), (Start: 10 @47624 has 11 MA's), (11, 47663), (12, 47675), (22, 47861), (24, 47876), (26, 47897),

Gene: PoeMe_81 Start: 48579, Stop: 48935, Start Num: 10
Candidate Starts for PoeMe_81:
(3, 48504), (6, 48546), (Start: 10 @48579 has 11 MA's), (13, 48633), (22, 48816), (24, 48831), (26, 48852),

Gene: Renaldo_86 Start: 49031, Stop: 49390, Start Num: 10
Candidate Starts for Renaldo_86:
(7, 49001), (Start: 10 @49031 has 11 MA's), (12, 49082), (18, 49154), (20, 49166), (22, 49271), (24, 49286), (29, 49346),

Gene: Stardrop_83 Start: 48556, Stop: 48912, Start Num: 10
Candidate Starts for Stardrop_83:
(3, 48481), (6, 48523), (Start: 10 @48556 has 11 MA's), (11, 48595), (12, 48607), (22, 48793), (24, 48808),

Gene: Tenney120_81 Start: 48641, Stop: 48997, Start Num: 10
Candidate Starts for Tenney120_81:
(3, 48566), (6, 48608), (Start: 10 @48641 has 11 MA's), (22, 48878), (24, 48893),

Gene: TrixiePhattel_84 Start: 48693, Stop: 49052, Start Num: 10
Candidate Starts for TrixiePhattel_84:
(4, 48633), (7, 48666), (Start: 10 @48693 has 11 MA's), (21, 48897), (27, 48975),

Gene: Uzumaki_78 Start: 47572, Stop: 47928, Start Num: 10
Candidate Starts for Uzumaki_78:
(3, 47503), (8, 47554), (Start: 10 @47572 has 11 MA's), (13, 47626), (22, 47809), (24, 47824), (26, 47845),

Gene: Zeina_82 Start: 48280, Stop: 48642, Start Num: 10
Candidate Starts for Zeina_82:
(1, 48175), (2, 48181), (4, 48217), (5, 48238), (7, 48250), (Start: 10 @48280 has 11 MA's), (11, 48319), (13, 48334), (20, 48415),