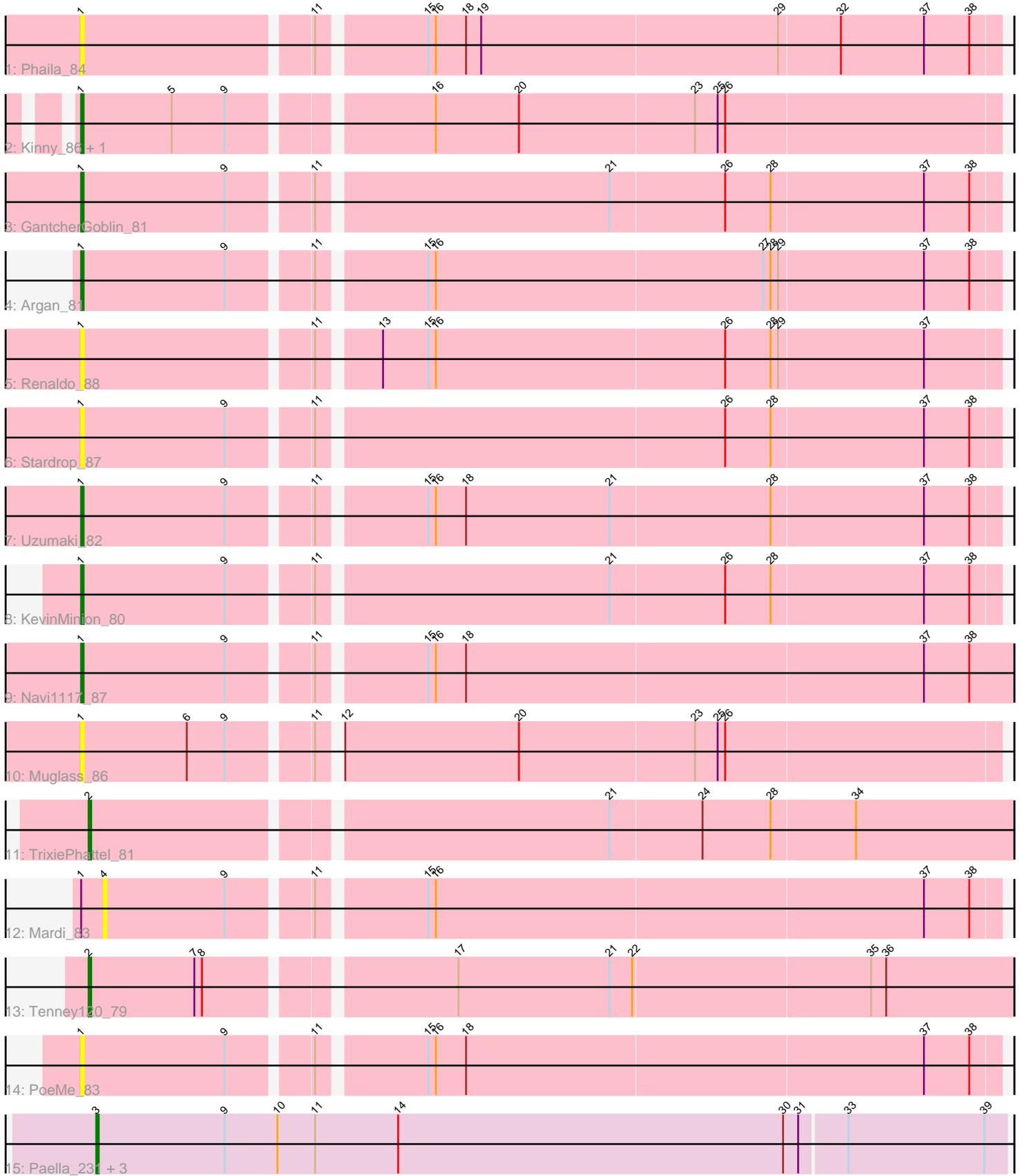


Pham 284224



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 284224 Report

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

Pham number 284224 has 19 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Phaila_84
- Track 2 : Kinny_86, Biscute_83
- Track 3 : GantcherGoblin_81
- Track 4 : Argan_81
- Track 5 : Renaldo_88
- Track 6 : Stardrop_87
- Track 7 : Uzumaki_82
- Track 8 : KevinMinion_80
- Track 9 : Navi1117_87
- Track 10 : Muglass_86
- Track 11 : TrixiePhattel_81
- Track 12 : Mardi_83
- Track 13 : Tenney120_79
- Track 14 : PoeMe_83
- Track 15 : Paella_231, Qui_230, Elver_229, Kureo_227

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 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_81, Biscute_83, GantcherGoblin_81, KevinMinion_80, Kinny_86, Muglass_86, Navi1117_87, Phaila_84, PoeMe_83, Renaldo_88, Stardrop_87, Uzumaki_82,

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

- Mardi_83,

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

- Elver_229, Kureo_227, Paella_231, Qui_230, Tenney120_79, TrixiePhattel_81,

Summary by start number:

Start 1:

- Found in 13 of 19 (68.4%) of genes in pham
- Manual Annotations of this start: 7 of 12
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Argan_81 (AU6), Biscute_83 (AU6), GantcherGoblin_81 (AU6), KevinMinion_80 (AU6), Kinny_86 (AU6), Muglass_86 (AU6), Navi1117_87 (AU6), Phaila_84 (AU6), PoeMe_83 (AU6), Renaldo_88 (AU6), Stardrop_87 (AU6), Uzumaki_82 (AU6),

Start 2:

- Found in 2 of 19 (10.5%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tenney120_79 (AU6), TrixiePhattel_81 (AU6),

Start 3:

- Found in 4 of 19 (21.1%) of genes in pham
- Manual Annotations of this start: 3 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elver_229 (FK), Kureo_227 (FK), Paella_231 (FK), Qui_230 (FK),

Start 4:

- Found in 1 of 19 (5.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mardi_83 (AU6),

Summary by clusters:

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

Info for manual annotations of cluster AU6:

- Start number 1 was manually annotated 7 times for cluster AU6.
- Start number 2 was manually annotated 2 times for cluster AU6.

Info for manual annotations of cluster FK:

- Start number 3 was manually annotated 3 times for cluster FK.

Gene Information:

Gene: Argan_81 Start: 48463, Stop: 48813, Start Num: 1

Candidate Starts for Argan_81:

(Start: 1 @48463 has 7 MA's), (9, 48520), (11, 48550), (15, 48589), (16, 48592), (27, 48721), (28, 48724), (29, 48727), (37, 48784), (38, 48802),

Gene: Biscute_83 Start: 49923, Stop: 50273, Start Num: 1

Candidate Starts for Biscute_83:

(Start: 1 @49923 has 7 MA's), (5, 49959), (9, 49980), (16, 50052), (20, 50085), (23, 50154), (25, 50163), (26, 50166),

Gene: Elver_229 Start: 104016, Stop: 104375, Start Num: 3
Candidate Starts for Elver_229:
(Start: 3 @104016 has 3 MA's), (9, 104067), (10, 104088), (11, 104103), (14, 104136), (30, 104289),
(31, 104295), (33, 104313), (39, 104367),

Gene: GantcherGoblin_81 Start: 48864, Stop: 49214, Start Num: 1
Candidate Starts for GantcherGoblin_81:
(Start: 1 @48864 has 7 MA's), (9, 48921), (11, 48951), (21, 49062), (26, 49107), (28, 49125), (37,
49185), (38, 49203),

Gene: KevinMinion_80 Start: 49681, Stop: 50031, Start Num: 1
Candidate Starts for KevinMinion_80:
(Start: 1 @49681 has 7 MA's), (9, 49738), (11, 49768), (21, 49879), (26, 49924), (28, 49942), (37,
50002), (38, 50020),

Gene: Kinny_86 Start: 50750, Stop: 51100, Start Num: 1
Candidate Starts for Kinny_86:
(Start: 1 @50750 has 7 MA's), (5, 50786), (9, 50807), (16, 50879), (20, 50912), (23, 50981), (25,
50990), (26, 50993),

Gene: Kureo_227 Start: 102670, Stop: 103029, Start Num: 3
Candidate Starts for Kureo_227:
(Start: 3 @102670 has 3 MA's), (9, 102721), (10, 102742), (11, 102757), (14, 102790), (30, 102943),
(31, 102949), (33, 102967), (39, 103021),

Gene: Mardi_83 Start: 49278, Stop: 49619, Start Num: 4
Candidate Starts for Mardi_83:
(Start: 1 @49269 has 7 MA's), (4, 49278), (9, 49326), (11, 49356), (15, 49395), (16, 49398), (37,
49590), (38, 49608),

Gene: Muglass_86 Start: 50162, Stop: 50512, Start Num: 1
Candidate Starts for Muglass_86:
(Start: 1 @50162 has 7 MA's), (6, 50204), (9, 50219), (11, 50249), (12, 50255), (20, 50324), (23,
50393), (25, 50402), (26, 50405),

Gene: Navi1117_87 Start: 50422, Stop: 50778, Start Num: 1
Candidate Starts for Navi1117_87:
(Start: 1 @50422 has 7 MA's), (9, 50479), (11, 50509), (15, 50548), (16, 50551), (18, 50563), (37,
50743), (38, 50761),

Gene: Paella_231 Start: 105153, Stop: 105512, Start Num: 3
Candidate Starts for Paella_231:
(Start: 3 @105153 has 3 MA's), (9, 105204), (10, 105225), (11, 105240), (14, 105273), (30, 105426),
(31, 105432), (33, 105450), (39, 105504),

Gene: Phaila_84 Start: 48661, Stop: 49011, Start Num: 1
Candidate Starts for Phaila_84:
(Start: 1 @48661 has 7 MA's), (11, 48748), (15, 48787), (16, 48790), (18, 48802), (19, 48808), (29,
48925), (32, 48949), (37, 48982), (38, 49000),

Gene: PoeMe_83 Start: 49261, Stop: 49611, Start Num: 1
Candidate Starts for PoeMe_83:

(Start: 1 @49261 has 7 MA's), (9, 49318), (11, 49348), (15, 49387), (16, 49390), (18, 49402), (37, 49582), (38, 49600),

Gene: Qui_230 Start: 105141, Stop: 105500, Start Num: 3

Candidate Starts for Qui_230:

(Start: 3 @105141 has 3 MA's), (9, 105192), (10, 105213), (11, 105228), (14, 105261), (30, 105414), (31, 105420), (33, 105438), (39, 105492),

Gene: Renaldo_88 Start: 49716, Stop: 50066, Start Num: 1

Candidate Starts for Renaldo_88:

(Start: 1 @49716 has 7 MA's), (11, 49803), (13, 49824), (15, 49842), (16, 49845), (26, 49959), (28, 49977), (29, 49980), (37, 50037),

Gene: Stardrop_87 Start: 49837, Stop: 50187, Start Num: 1

Candidate Starts for Stardrop_87:

(Start: 1 @49837 has 7 MA's), (9, 49894), (11, 49924), (26, 50080), (28, 50098), (37, 50158), (38, 50176),

Gene: Tenney120_79 Start: 48097, Stop: 48450, Start Num: 2

Candidate Starts for Tenney120_79:

(Start: 2 @48097 has 2 MA's), (7, 48139), (8, 48142), (17, 48232), (21, 48292), (22, 48301), (35, 48394), (36, 48400),

Gene: TrixiePhattel_81 Start: 47965, Stop: 48318, Start Num: 2

Candidate Starts for TrixiePhattel_81:

(Start: 2 @47965 has 2 MA's), (21, 48160), (24, 48196), (28, 48223), (34, 48256),

Gene: Uzumaki_82 Start: 48832, Stop: 49182, Start Num: 1

Candidate Starts for Uzumaki_82:

(Start: 1 @48832 has 7 MA's), (9, 48889), (11, 48919), (15, 48958), (16, 48961), (18, 48973), (21, 49030), (28, 49093), (37, 49153), (38, 49171),