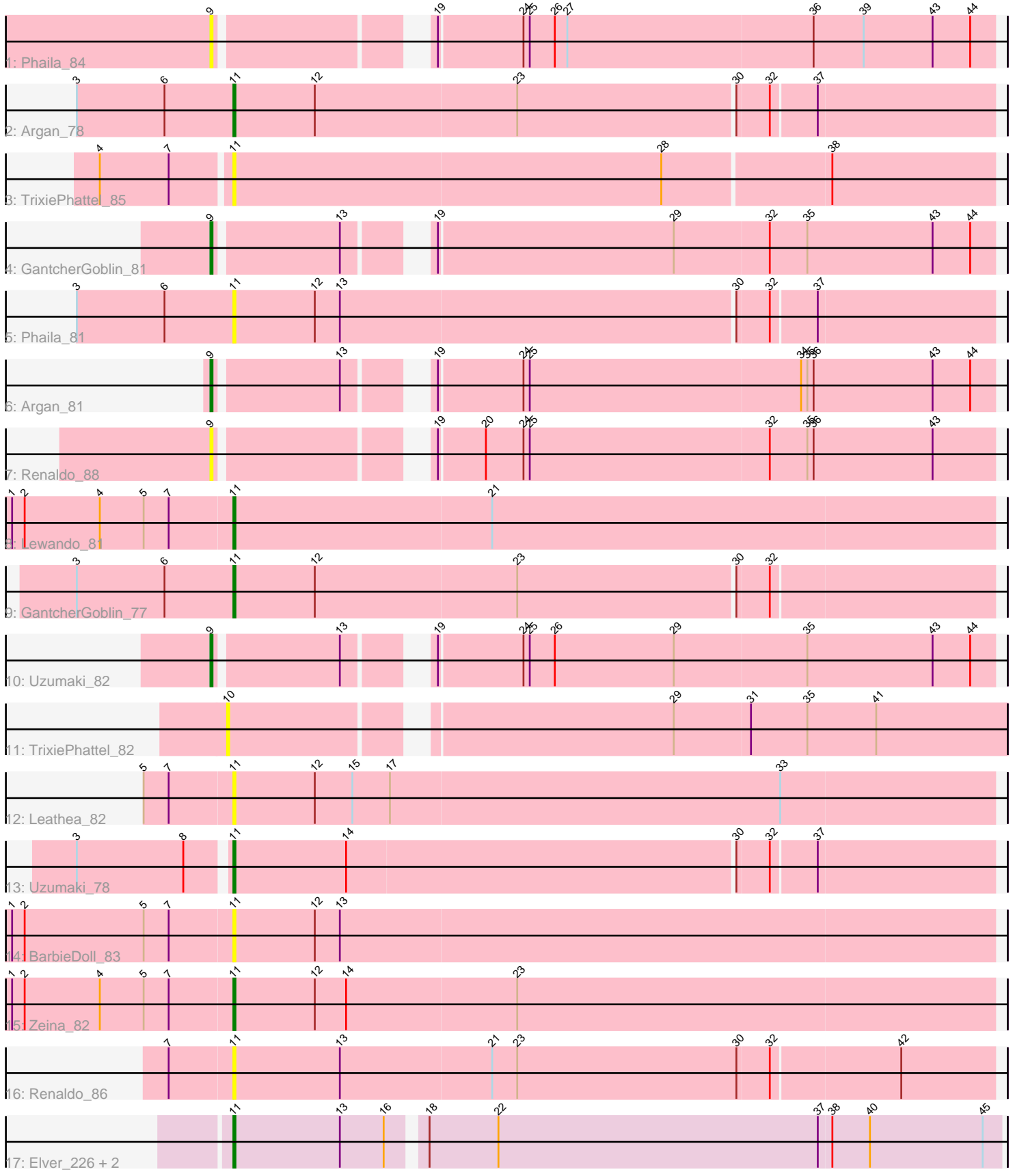


Pham 194359



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 194359 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194359 has 19 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Phaila_84
- Track 2 : Argan_78
- Track 3 : TrixiePhattel_85
- Track 4 : GantcherGoblin_81
- Track 5 : Phaila_81
- Track 6 : Argan_81
- Track 7 : Renaldo_88
- Track 8 : Lewando_81
- Track 9 : GantcherGoblin_77
- Track 10 : Uzumaki_82
- Track 11 : TrixiePhattel_82
- Track 12 : Leathea_82
- Track 13 : Uzumaki_78
- Track 14 : BarbieDoll_83
- Track 15 : Zeina_82
- Track 16 : Renaldo_86
- Track 17 : Elver_226, Paella_231, Qui_230

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

The start number called the most often in the published annotations is 11, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_78, BarbieDoll_83, Elver_226, GantcherGoblin_77, Leathea_82, Lewando_81, Paella_231, Phaila_81, Qui_230, Renaldo_86, TrixiePhattel_85, 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:

- Argan_81, GantcherGoblin_81, Phaila_84, Renaldo_88, TrixiePhattel_82, Uzumaki_82,

Summary by start number:

Start 9:

- Found in 5 of 19 (26.3%) of genes in pham
- Manual Annotations of this start: 3 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argan_81 (AU6), GantcherGoblin_81 (AU6), Phaila_84 (AU6), Renaldo_88 (AU6), Uzumaki_82 (AU6),

Start 10:

- 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: TrixiePhattel_82 (AU6),

Start 11:

- Found in 13 of 19 (68.4%) of genes in pham
- Manual Annotations of this start: 7 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argan_78 (AU6), BarbieDoll_83 (AU6), Elver_226 (FK), GantcherGoblin_77 (AU6), Leathea_82 (AU6), Lewando_81 (AU6), Paella_231 (FK), Phaila_81 (AU6), Qui_230 (FK), Renaldo_86 (AU6), TrixiePhattel_85 (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 9 was manually annotated 3 times for cluster AU6.
- Start number 11 was manually annotated 5 times for cluster AU6.

Info for manual annotations of cluster FK:

- Start number 11 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Argan_78 Start: 47443, Stop: 47799, Start Num: 11

Candidate Starts for Argan_78:

(3, 47368), (6, 47410), (Start: 11 @47443 has 7 MA's), (12, 47482), (23, 47578), (30, 47680), (32, 47695), (37, 47716),

Gene: Argan_81 Start: 48463, Stop: 48813, Start Num: 9

Candidate Starts for Argan_81:

(Start: 9 @48463 has 3 MA's), (13, 48520), (19, 48550), (24, 48589), (25, 48592), (34, 48721), (35, 48724), (36, 48727), (43, 48784), (44, 48802),

Gene: BarbieDoll_83 Start: 49031, Stop: 49393, Start Num: 11

Candidate Starts for BarbieDoll_83:

(1, 48926), (2, 48932), (5, 48989), (7, 49001), (Start: 11 @49031 has 7 MA's), (12, 49070), (13, 49082),

Gene: Elver_226 Start: 104016, Stop: 104375, Start Num: 11

Candidate Starts for Elver_226:

(Start: 11 @104016 has 7 MA's), (13, 104067), (16, 104088), (18, 104103), (22, 104136), (37, 104289), (38, 104295), (40, 104313), (45, 104367),

Gene: GantcherGoblin_81 Start: 48864, Stop: 49214, Start Num: 9

Candidate Starts for GantcherGoblin_81:

(Start: 9 @48864 has 3 MA's), (13, 48921), (19, 48951), (29, 49062), (32, 49107), (35, 49125), (43, 49185), (44, 49203),

Gene: GantcherGoblin_77 Start: 47604, Stop: 47960, Start Num: 11

Candidate Starts for GantcherGoblin_77:

(3, 47529), (6, 47571), (Start: 11 @47604 has 7 MA's), (12, 47643), (23, 47739), (30, 47841), (32, 47856),

Gene: Leathea_82 Start: 47629, Stop: 47991, Start Num: 11

Candidate Starts for Leathea_82:

(5, 47587), (7, 47599), (Start: 11 @47629 has 7 MA's), (12, 47668), (15, 47686), (17, 47704), (33, 47890),

Gene: Lewando_81 Start: 48819, Stop: 49181, Start Num: 11

Candidate Starts for Lewando_81:

(1, 48714), (2, 48720), (4, 48756), (5, 48777), (7, 48789), (Start: 11 @48819 has 7 MA's), (21, 48942),

Gene: Paella_231 Start: 105153, Stop: 105512, Start Num: 11

Candidate Starts for Paella_231:

(Start: 11 @105153 has 7 MA's), (13, 105204), (16, 105225), (18, 105240), (22, 105273), (37, 105426), (38, 105432), (40, 105450), (45, 105504),

Gene: Phaila_84 Start: 48661, Stop: 49011, Start Num: 9

Candidate Starts for Phaila_84:

(Start: 9 @48661 has 3 MA's), (19, 48748), (24, 48787), (25, 48790), (26, 48802), (27, 48808), (36, 48925), (39, 48949), (43, 48982), (44, 49000),

Gene: Phaila_81 Start: 47624, Stop: 47980, Start Num: 11

Candidate Starts for Phaila_81:

(3, 47549), (6, 47591), (Start: 11 @47624 has 7 MA's), (12, 47663), (13, 47675), (30, 47861), (32, 47876), (37, 47897),

Gene: Qui_230 Start: 105141, Stop: 105500, Start Num: 11

Candidate Starts for Qui_230:

(Start: 11 @105141 has 7 MA's), (13, 105192), (16, 105213), (18, 105228), (22, 105261), (37, 105414), (38, 105420), (40, 105438), (45, 105492),

Gene: Renaldo_88 Start: 49716, Stop: 50066, Start Num: 9

Candidate Starts for Renaldo_88:

(Start: 9 @49716 has 3 MA's), (19, 49803), (20, 49824), (24, 49842), (25, 49845), (32, 49959), (35, 49977), (36, 49980), (43, 50037),

Gene: Renaldo_86 Start: 49031, Stop: 49390, Start Num: 11

Candidate Starts for Renaldo_86:

(7, 49001), (Start: 11 @49031 has 7 MA's), (13, 49082), (21, 49154), (23, 49166), (30, 49271), (32, 49286), (42, 49346),

Gene: TrixiePhattel_85 Start: 48693, Stop: 49052, Start Num: 11

Candidate Starts for TrixiePhattel_85:

(4, 48633), (7, 48666), (Start: 11 @48693 has 7 MA's), (28, 48897), (38, 48975),

Gene: TrixiePhattel_82 Start: 47965, Stop: 48318, Start Num: 10

Candidate Starts for TrixiePhattel_82:

(10, 47965), (29, 48160), (31, 48196), (35, 48223), (41, 48256),

Gene: Uzumaki_82 Start: 48832, Stop: 49182, Start Num: 9

Candidate Starts for Uzumaki_82:

(Start: 9 @48832 has 3 MA's), (13, 48889), (19, 48919), (24, 48958), (25, 48961), (26, 48973), (29, 49030), (35, 49093), (43, 49153), (44, 49171),

Gene: Uzumaki_78 Start: 47572, Stop: 47928, Start Num: 11

Candidate Starts for Uzumaki_78:

(3, 47503), (8, 47554), (Start: 11 @47572 has 7 MA's), (14, 47626), (30, 47809), (32, 47824), (37, 47845),

Gene: Zeina_82 Start: 48280, Stop: 48642, Start Num: 11

Candidate Starts for Zeina_82:

(1, 48175), (2, 48181), (4, 48217), (5, 48238), (7, 48250), (Start: 11 @48280 has 7 MA's), (12, 48319), (14, 48334), (23, 48415),