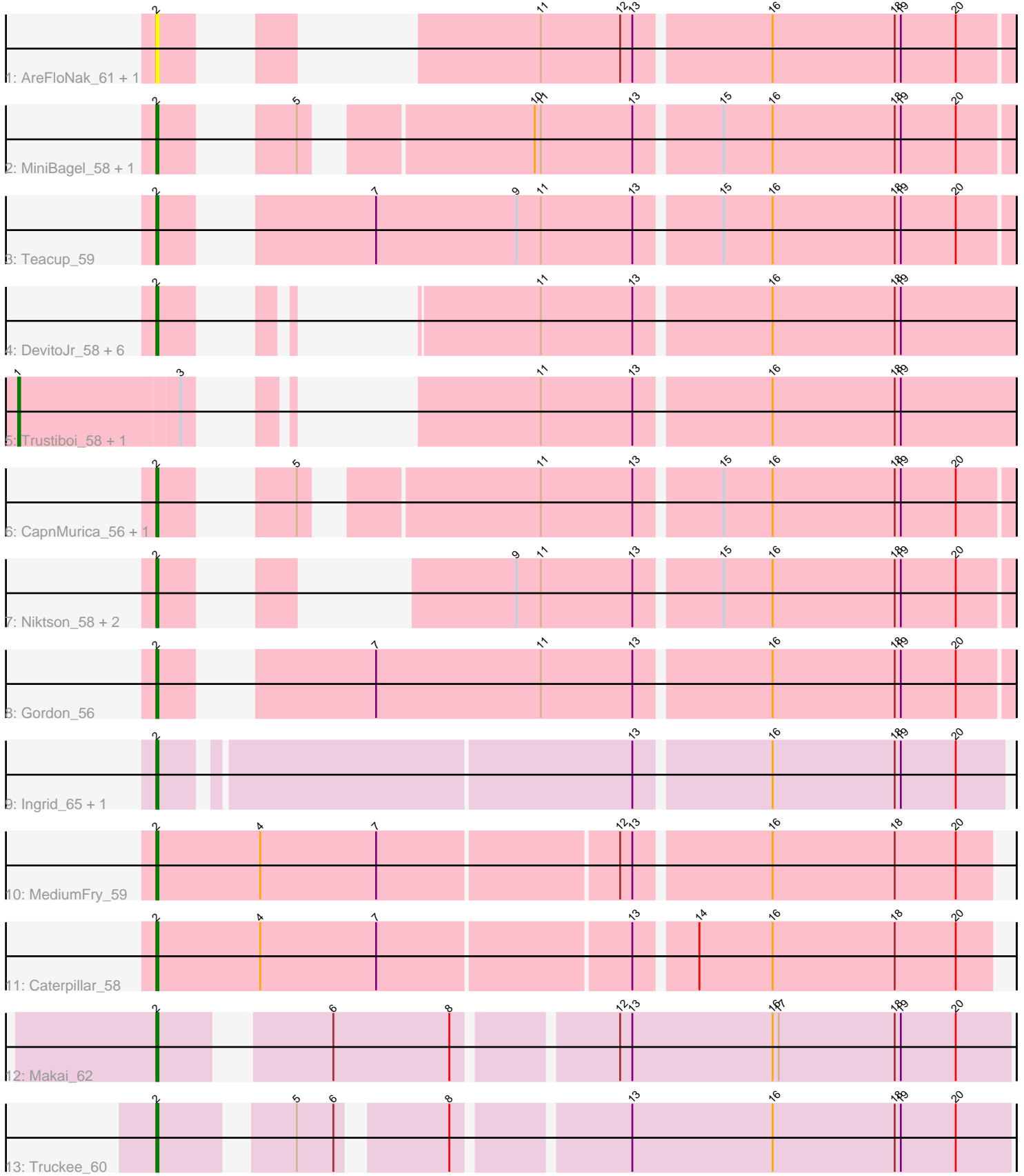


Pham 171714



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 171714 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171714 has 26 members, 3 are drafts.

Phages represented in each track:

- Track 1 : AreFloNak_61, Nivinsha_60
- Track 2 : MiniBagel_58, Issa_59
- Track 3 : Teacup_59
- Track 4 : DevitoJr_58, Breylor17_58, CastorTray_62, Tatanka_55, Nightmare_60, Synepsis_57, Darby_57
- Track 5 : Trustiboi_58, ScienceWizSam_59
- Track 6 : CapnMurica_56, Tenno_59
- Track 7 : Niktson_58, ElephantMan_58, Brunswick_59
- Track 8 : Gordon_56
- Track 9 : Ingrid_65, Loretta_62
- Track 10 : MediumFry_59
- Track 11 : Caterpillar_58
- Track 12 : Makai_62
- Track 13 : Truckee_60

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

The start number called the most often in the published annotations is 2, it was called in 21 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AreFloNak_61, Breylor17_58, Brunswick_59, CapnMurica_56, CastorTray_62, Caterpillar_58, Darby_57, DevitoJr_58, ElephantMan_58, Gordon_56, Ingrid_65, Issa_59, Loretta_62, Makai_62, MediumFry_59, MiniBagel_58, Nightmare_60, Niktson_58, Nivinsha_60, Synepsis_57, Tatanka_55, Teacup_59, Tenno_59, Truckee_60,

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

-

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

- ScienceWizSam_59, Trustiboi_58,

Summary by start number:

Start 1:

- Found in 2 of 26 (7.7%) of genes in pham
- Manual Annotations of this start: 2 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ScienceWizSam_59 (AU1), Trustiboi_58 (AU1),

Start 2:

- Found in 24 of 26 (92.3%) of genes in pham
- Manual Annotations of this start: 21 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AreFloNak_61 (AU1), Breylor17_58 (AU1), Brunswick_59 (AU1), CapnMurica_56 (AU1), CastorTray_62 (AU1), Caterpillar_58 (AU4), Darby_57 (AU1), DevitoJr_58 (AU1), ElephantMan_58 (AU1), Gordon_56 (AU1), Ingrid_65 (AU3), Issa_59 (AU1), Loretta_62 (AU3), Makai_62 (AU5), MediumFry_59 (AU4), MiniBagel_58 (AU1), Nightmare_60 (AU1), Niktson_58 (AU1), Nivinsha_60 (AU1), Synopsis_57 (AU1), Tatanka_55 (AU1), Teacup_59 (AU1), Tenno_59 (AU1), Truckee_60 (AU5),

Summary by clusters:

There are 4 clusters represented in this pham: AU1, AU3, AU5, AU4,

Info for manual annotations of cluster AU1:

- Start number 1 was manually annotated 2 times for cluster AU1.
- Start number 2 was manually annotated 15 times for cluster AU1.

Info for manual annotations of cluster AU3:

- Start number 2 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:

- Start number 2 was manually annotated 2 times for cluster AU4.

Info for manual annotations of cluster AU5:

- Start number 2 was manually annotated 2 times for cluster AU5.

Gene Information:

Gene: AreFloNak_61 Start: 42859, Stop: 43182, Start Num: 2

Candidate Starts for AreFloNak_61:

(Start: 2 @42859 has 21 MA's), (11, 42958), (12, 42997), (13, 43003), (16, 43066), (18, 43126), (19, 43129), (20, 43156),

Gene: Breylor17_58 Start: 43432, Stop: 43758, Start Num: 2

Candidate Starts for Breylor17_58:

(Start: 2 @43432 has 21 MA's), (11, 43531), (13, 43576), (16, 43639), (18, 43699), (19, 43702),

Gene: Brunswick_59 Start: 42729, Stop: 43055, Start Num: 2

Candidate Starts for Brunswick_59:

(Start: 2 @42729 has 21 MA's), (9, 42819), (11, 42831), (13, 42876), (15, 42915), (16, 42939), (18, 42999), (19, 43002), (20, 43029),

Gene: CapnMurica_56 Start: 43585, Stop: 43947, Start Num: 2

Candidate Starts for CapnMurica_56:

(Start: 2 @43585 has 21 MA's), (5, 43624), (11, 43723), (13, 43768), (15, 43807), (16, 43831), (18, 43891), (19, 43894), (20, 43921),

Gene: CastorTray_62 Start: 43620, Stop: 43946, Start Num: 2

Candidate Starts for CastorTray_62:

(Start: 2 @43620 has 21 MA's), (11, 43719), (13, 43764), (16, 43827), (18, 43887), (19, 43890),

Gene: Caterpillar_58 Start: 42467, Stop: 42865, Start Num: 2

Candidate Starts for Caterpillar_58:

(Start: 2 @42467 has 21 MA's), (4, 42518), (7, 42575), (13, 42695), (14, 42722), (16, 42758), (18, 42818), (20, 42848),

Gene: Darby_57 Start: 42676, Stop: 42993, Start Num: 2

Candidate Starts for Darby_57:

(Start: 2 @42676 has 21 MA's), (11, 42766), (13, 42811), (16, 42874), (18, 42934), (19, 42937),

Gene: DevitoJr_58 Start: 43062, Stop: 43379, Start Num: 2

Candidate Starts for DevitoJr_58:

(Start: 2 @43062 has 21 MA's), (11, 43152), (13, 43197), (16, 43260), (18, 43320), (19, 43323),

Gene: ElephantMan_58 Start: 43359, Stop: 43685, Start Num: 2

Candidate Starts for ElephantMan_58:

(Start: 2 @43359 has 21 MA's), (9, 43449), (11, 43461), (13, 43506), (15, 43545), (16, 43569), (18, 43629), (19, 43632), (20, 43659),

Gene: Gordon_56 Start: 43483, Stop: 43866, Start Num: 2

Candidate Starts for Gordon_56:

(Start: 2 @43483 has 21 MA's), (7, 43561), (11, 43642), (13, 43687), (16, 43750), (18, 43810), (19, 43813), (20, 43840),

Gene: Ingrid_65 Start: 43339, Stop: 43734, Start Num: 2

Candidate Starts for Ingrid_65:

(Start: 2 @43339 has 21 MA's), (13, 43558), (16, 43621), (18, 43681), (19, 43684), (20, 43711),

Gene: Issa_59 Start: 42679, Stop: 43041, Start Num: 2

Candidate Starts for Issa_59:

(Start: 2 @42679 has 21 MA's), (5, 42718), (10, 42814), (11, 42817), (13, 42862), (15, 42901), (16, 42925), (18, 42985), (19, 42988), (20, 43015),

Gene: Loretta_62 Start: 43339, Stop: 43734, Start Num: 2

Candidate Starts for Loretta_62:

(Start: 2 @43339 has 21 MA's), (13, 43558), (16, 43621), (18, 43681), (19, 43684), (20, 43711),

Gene: Makai_62 Start: 43423, Stop: 43809, Start Num: 2

Candidate Starts for Makai_62:

(Start: 2 @43423 has 21 MA's), (6, 43489), (8, 43546), (12, 43618), (13, 43624), (16, 43693), (17, 43696), (18, 43753), (19, 43756), (20, 43783),

Gene: MediumFry_59 Start: 42756, Stop: 43154, Start Num: 2

Candidate Starts for MediumFry_59:

(Start: 2 @42756 has 21 MA's), (4, 42807), (7, 42864), (12, 42978), (13, 42984), (16, 43047), (18, 43107), (20, 43137),

Gene: MiniBagel_58 Start: 43567, Stop: 43929, Start Num: 2

Candidate Starts for MiniBagel_58:

(Start: 2 @43567 has 21 MA's), (5, 43606), (10, 43702), (11, 43705), (13, 43750), (15, 43789), (16, 43813), (18, 43873), (19, 43876), (20, 43903),

Gene: Nightmare_60 Start: 43904, Stop: 44227, Start Num: 2

Candidate Starts for Nightmare_60:

(Start: 2 @43904 has 21 MA's), (11, 44003), (13, 44048), (16, 44111), (18, 44171), (19, 44174),

Gene: Niktson_58 Start: 43359, Stop: 43685, Start Num: 2

Candidate Starts for Niktson_58:

(Start: 2 @43359 has 21 MA's), (9, 43449), (11, 43461), (13, 43506), (15, 43545), (16, 43569), (18, 43629), (19, 43632), (20, 43659),

Gene: Nivinsha_60 Start: 42859, Stop: 43182, Start Num: 2

Candidate Starts for Nivinsha_60:

(Start: 2 @42859 has 21 MA's), (11, 42958), (12, 42997), (13, 43003), (16, 43066), (18, 43126), (19, 43129), (20, 43156),

Gene: ScienceWizSam_59 Start: 42958, Stop: 43344, Start Num: 1

Candidate Starts for ScienceWizSam_59:

(Start: 1 @42958 has 2 MA's), (3, 43036), (11, 43117), (13, 43162), (16, 43225), (18, 43285), (19, 43288),

Gene: Synopsis_57 Start: 43026, Stop: 43349, Start Num: 2

Candidate Starts for Synopsis_57:

(Start: 2 @43026 has 21 MA's), (11, 43125), (13, 43170), (16, 43233), (18, 43293), (19, 43296),

Gene: Tatanka_55 Start: 43155, Stop: 43481, Start Num: 2

Candidate Starts for Tatanka_55:

(Start: 2 @43155 has 21 MA's), (11, 43254), (13, 43299), (16, 43362), (18, 43422), (19, 43425),

Gene: Teacup_59 Start: 43381, Stop: 43764, Start Num: 2

Candidate Starts for Teacup_59:

(Start: 2 @43381 has 21 MA's), (7, 43459), (9, 43528), (11, 43540), (13, 43585), (15, 43624), (16, 43648), (18, 43708), (19, 43711), (20, 43738),

Gene: Tenno_59 Start: 43640, Stop: 44002, Start Num: 2

Candidate Starts for Tenno_59:

(Start: 2 @43640 has 21 MA's), (5, 43679), (11, 43778), (13, 43823), (15, 43862), (16, 43886), (18, 43946), (19, 43949), (20, 43976),

Gene: Truckee_60 Start: 43213, Stop: 43593, Start Num: 2

Candidate Starts for Truckee_60:

(Start: 2 @43213 has 21 MA's), (5, 43267), (6, 43285), (8, 43330), (13, 43408), (16, 43477), (18, 43537), (19, 43540), (20, 43567),

Gene: Trustiboi_58 Start: 43218, Stop: 43604, Start Num: 1

Candidate Starts for Trustiboi_58:

(Start: 1 @43218 has 2 MA's), (3, 43296), (11, 43377), (13, 43422), (16, 43485), (18, 43545), (19, 43548),