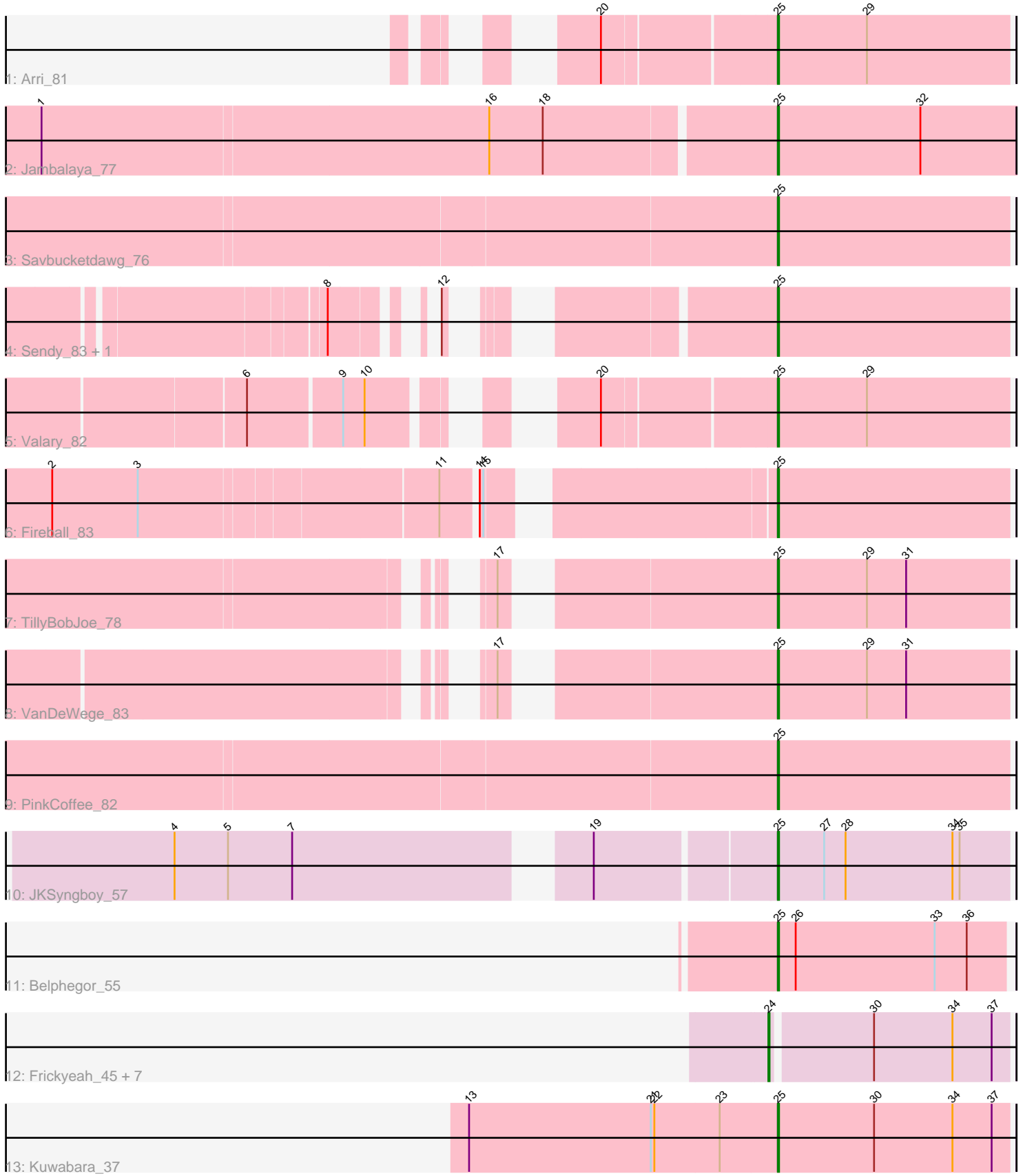


Pham 309281



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 309281 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309281 has 21 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Arri_81
- Track 2 : Jambalaya_77
- Track 3 : Savbucketdawg_76
- Track 4 : Sendy_83, Nubi_82
- Track 5 : Valary_82
- Track 6 : Fireball_83
- Track 7 : TillyBobJoe_78
- Track 8 : VanDeWege_83
- Track 9 : PinkCoffee_82
- Track 10 : JKSyngboy_57
- Track 11 : Belphegor_55
- Track 12 : Frickyeah_45, Lutum_45, Kenna_44, Holliday_44, ShawBrad_45, Phabuloso_42, Crater_42, Phistory_45
- Track 13 : Kuwabara_37

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

The start number called the most often in the published annotations is 25, it was called in 12 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_81, Belphegor_55, Fireball_83, JKSyngboy_57, Jambalaya_77, Kuwabara_37, Nubi_82, PinkCoffee_82, Savbucketdawg_76, Sendy_83, TillyBobJoe_78, Valary_82, VanDeWege_83,

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

-

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

- Crater_42, Frickyeah_45, Holliday_44, Kenna_44, Lutum_45, Phabuloso_42, Phistory_45, ShawBrad_45,

Summary by start number:

Start 24:

- Found in 8 of 21 (38.1%) of genes in pham
- Manual Annotations of this start: 6 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Crater_42 (DN3), Frickyeah_45 (DN1), Holliday_44 (DN1), Kenna_44 (DN1), Lutum_45 (DN1), Phabuloso_42 (DN1), Phistory_45 (DN1), ShawBrad_45 (DN1),

Start 25:

- Found in 13 of 21 (61.9%) of genes in pham
- Manual Annotations of this start: 12 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_81 (DC1), Belphegor_55 (DE2), Fireball_83 (DC1), JKSyngboy_57 (DE1), Jambalaya_77 (DC1), Kuwabara_37 (DN4), Nubi_82 (DC1), PinkCoffee_82 (DC1), Savbucketdawg_76 (DC1), Sendy_83 (DC1), TillyBobJoe_78 (DC1), Valary_82 (DC1), VanDeWege_83 (DC1),

Summary by clusters:

There are 6 clusters represented in this pham: DE1, DE2, DN4, DN1, DN3, DC1,

Info for manual annotations of cluster DC1:

- Start number 25 was manually annotated 9 times for cluster DC1.

Info for manual annotations of cluster DE1:

- Start number 25 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 25 was manually annotated 1 time for cluster DE2.

Info for manual annotations of cluster DN1:

- Start number 24 was manually annotated 5 times for cluster DN1.

Info for manual annotations of cluster DN3:

- Start number 24 was manually annotated 1 time for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 25 was manually annotated 1 time for cluster DN4.

Gene Information:

Gene: Arri_81 Start: 53364, Stop: 53558, Start Num: 25

Candidate Starts for Arri_81:

(20, 53229), (Start: 25 @53364 has 12 MA's), (29, 53439),

Gene: Belphegor_55 Start: 46913, Stop: 47104, Start Num: 25

Candidate Starts for Belphegor_55:

(Start: 25 @46913 has 12 MA's), (26, 46928), (33, 47045), (36, 47072),

Gene: Crater_42 Start: 30071, Stop: 30265, Start Num: 24

Candidate Starts for Crater_42:

(Start: 24 @30071 has 6 MA's), (30, 30152), (34, 30218), (37, 30251),

Gene: Fireball_83 Start: 53638, Stop: 53832, Start Num: 25

Candidate Starts for Fireball_83:

(2, 53092), (3, 53164), (11, 53404), (14, 53431), (15, 53434), (Start: 25 @53638 has 12 MA's),

Gene: Frickyeah_45 Start: 30023, Stop: 30217, Start Num: 24

Candidate Starts for Frickyeah_45:

(Start: 24 @30023 has 6 MA's), (30, 30104), (34, 30170), (37, 30203),

Gene: Holliday_44 Start: 30598, Stop: 30792, Start Num: 24

Candidate Starts for Holliday_44:

(Start: 24 @30598 has 6 MA's), (30, 30679), (34, 30745), (37, 30778),

Gene: JKSyngboy_57 Start: 47639, Stop: 47833, Start Num: 25

Candidate Starts for JKSyngboy_57:

(4, 47186), (5, 47231), (7, 47285), (19, 47501), (Start: 25 @47639 has 12 MA's), (27, 47678), (28, 47696), (34, 47786), (35, 47792),

Gene: Jambalaya_77 Start: 52179, Stop: 52379, Start Num: 25

Candidate Starts for Jambalaya_77:

(1, 51576), (16, 51948), (18, 51993), (Start: 25 @52179 has 12 MA's), (32, 52299),

Gene: Kenna_44 Start: 30934, Stop: 31128, Start Num: 24

Candidate Starts for Kenna_44:

(Start: 24 @30934 has 6 MA's), (30, 31015), (34, 31081), (37, 31114),

Gene: Kuwabara_37 Start: 29665, Stop: 29859, Start Num: 25

Candidate Starts for Kuwabara_37:

(13, 29407), (21, 29560), (22, 29563), (23, 29617), (Start: 25 @29665 has 12 MA's), (30, 29746), (34, 29812), (37, 29845),

Gene: Lutum_45 Start: 30934, Stop: 31128, Start Num: 24

Candidate Starts for Lutum_45:

(Start: 24 @30934 has 6 MA's), (30, 31015), (34, 31081), (37, 31114),

Gene: Nubi_82 Start: 53053, Stop: 53247, Start Num: 25

Candidate Starts for Nubi_82:

(8, 52801), (12, 52852), (Start: 25 @53053 has 12 MA's),

Gene: Phabuloso_42 Start: 30650, Stop: 30844, Start Num: 24

Candidate Starts for Phabuloso_42:

(Start: 24 @30650 has 6 MA's), (30, 30731), (34, 30797), (37, 30830),

Gene: Phistory_45 Start: 31285, Stop: 31479, Start Num: 24

Candidate Starts for Phistory_45:

(Start: 24 @31285 has 6 MA's), (30, 31366), (34, 31432), (37, 31465),

Gene: PinkCoffee_82 Start: 52936, Stop: 53130, Start Num: 25

Candidate Starts for PinkCoffee_82:

(Start: 25 @52936 has 12 MA's),

Gene: Savbucketdawg_76 Start: 52516, Stop: 52710, Start Num: 25

Candidate Starts for Savbucketdawg_76:
(Start: 25 @52516 has 12 MA's),

Gene: Sendy_83 Start: 53254, Stop: 53448, Start Num: 25
Candidate Starts for Sendy_83:
(8, 53002), (12, 53053), (Start: 25 @53254 has 12 MA's),

Gene: ShawBrad_45 Start: 30508, Stop: 30702, Start Num: 24
Candidate Starts for ShawBrad_45:
(Start: 24 @30508 has 6 MA's), (30, 30589), (34, 30655), (37, 30688),

Gene: TillyBobJoe_78 Start: 53056, Stop: 53250, Start Num: 25
Candidate Starts for TillyBobJoe_78:
(17, 52861), (Start: 25 @53056 has 12 MA's), (29, 53131), (31, 53164),

Gene: Valary_82 Start: 54162, Stop: 54356, Start Num: 25
Candidate Starts for Valary_82:
(6, 53817), (9, 53892), (10, 53910), (20, 54027), (Start: 25 @54162 has 12 MA's), (29, 54237),

Gene: VanDeWege_83 Start: 53687, Stop: 53881, Start Num: 25
Candidate Starts for VanDeWege_83:
(17, 53492), (Start: 25 @53687 has 12 MA's), (29, 53762), (31, 53795),