

Pham 312025



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 312025 Report

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

Pham number 312025 has 21 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Phingu\_63
- Track 2 : Blett\_60
- Track 3 : Warren\_60
- Track 4 : CookieDog\_60, Losacky\_62, Violeta\_62, Dropshot\_60
- Track 5 : Carrillo\_62
- Track 6 : Guzman\_60, PhillyJawn\_61, Appa\_60
- Track 7 : Antuna\_62
- Track 8 : Mariel\_63
- Track 9 : NCRodriguez\_62
- Track 10 : MenE\_62, Bush\_61
- Track 11 : Pickles13\_61
- Track 12 : ScoobySnack\_57
- Track 13 : Winchester007\_7
- Track 14 : Phonegingi\_61
- Track 15 : Jakelyne\_63

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

The start number called the most often in the published annotations is 3, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antuna\_62, Appa\_60, Blett\_60, Bush\_61, Carrillo\_62, CookieDog\_60, Dropshot\_60, Guzman\_60, Jakelyne\_63, Losacky\_62, Mariel\_63, MenE\_62, NCRodriguez\_62, PhillyJawn\_61, Phingu\_63, Phonegingi\_61, ScoobySnack\_57, Violeta\_62, Warren\_60, Winchester007\_7,

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

- 

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

- Pickles13\_61,

**Summary by start number:**

Start 1:

- Found in 1 of 21 ( 4.8% ) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pickles13\_61 (GA),

Start 3:

- Found in 20 of 21 ( 95.2% ) of genes in pham
- Manual Annotations of this start: 10 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antuna\_62 (GA), Appa\_60 (GA), Blett\_60 (GA), Bush\_61 (GA), Carrillo\_62 (GA), CookieDog\_60 (GA), Dropshot\_60 (GA), Guzman\_60 (GA), Jakelyne\_63 (GA), Losacky\_62 (GA), Mariel\_63 (GA), MenE\_62 (GA), NCRodriguez\_62 (GA), PhillyJawn\_61 (GA), Phingu\_63 (GA), Phoningi\_61 (GA), ScoobySnack\_57 (GA), Violeta\_62 (GA), Warren\_60 (GA), Winchester007\_7 (GA),

**Summary by clusters:**

There is one cluster represented in this pham: GA

Info for manual annotations of cluster GA:

- Start number 1 was manually annotated 1 time for cluster GA.
- Start number 3 was manually annotated 10 times for cluster GA.

**Gene Information:**

Gene: Antuna\_62 Start: 35603, Stop: 36412, Start Num: 3

Candidate Starts for Antuna\_62:

(Start: 3 @35603 has 10 MA's), (5, 35669), (9, 35897), (10, 35909), (12, 35939), (19, 36230), (23, 36269), (32, 36407),

Gene: Appa\_60 Start: 35359, Stop: 36168, Start Num: 3

Candidate Starts for Appa\_60:

(Start: 3 @35359 has 10 MA's), (5, 35425), (9, 35653), (10, 35665), (12, 35695), (19, 35986), (32, 36163),

Gene: Blett\_60 Start: 35553, Stop: 36365, Start Num: 3

Candidate Starts for Blett\_60:

(Start: 3 @35553 has 10 MA's), (5, 35619), (9, 35847), (10, 35859), (12, 35889), (14, 36024), (19, 36183), (32, 36360),

Gene: Bush\_61 Start: 35499, Stop: 36332, Start Num: 3

Candidate Starts for Bush\_61:

(Start: 3 @35499 has 10 MA's), (5, 35565), (9, 35793), (10, 35805), (12, 35835), (13, 35898), (20, 36159),

Gene: Carrillo\_62 Start: 35475, Stop: 36287, Start Num: 3

Candidate Starts for Carrillo\_62:

(Start: 3 @35475 has 10 MA's), (5, 35541), (9, 35769), (10, 35781), (11, 35805), (12, 35811), (19, 36105), (32, 36282),

Gene: CookieDog\_60 Start: 35482, Stop: 36294, Start Num: 3

Candidate Starts for CookieDog\_60:

(Start: 3 @35482 has 10 MA's), (5, 35548), (9, 35776), (10, 35788), (12, 35818), (19, 36112),

Gene: Dropshot\_60 Start: 35194, Stop: 36006, Start Num: 3

Candidate Starts for Dropshot\_60:

(Start: 3 @35194 has 10 MA's), (5, 35260), (9, 35488), (10, 35500), (12, 35530), (19, 35824),

Gene: Guzman\_60 Start: 35426, Stop: 36235, Start Num: 3

Candidate Starts for Guzman\_60:

(Start: 3 @35426 has 10 MA's), (5, 35492), (9, 35720), (10, 35732), (12, 35762), (19, 36053), (32, 36230),

Gene: Jakelyne\_63 Start: 35569, Stop: 36381, Start Num: 3

Candidate Starts for Jakelyne\_63:

(Start: 3 @35569 has 10 MA's), (5, 35635), (9, 35863), (10, 35875), (12, 35905), (17, 36106), (19, 36199),

Gene: Losacky\_62 Start: 35734, Stop: 36546, Start Num: 3

Candidate Starts for Losacky\_62:

(Start: 3 @35734 has 10 MA's), (5, 35800), (9, 36028), (10, 36040), (12, 36070), (19, 36364),

Gene: Mariel\_63 Start: 35931, Stop: 36803, Start Num: 3

Candidate Starts for Mariel\_63:

(Start: 3 @35931 has 10 MA's), (5, 35997), (9, 36228), (10, 36240), (12, 36270), (20, 36615), (26, 36699),

Gene: MenE\_62 Start: 35625, Stop: 36455, Start Num: 3

Candidate Starts for MenE\_62:

(Start: 3 @35625 has 10 MA's), (5, 35691), (9, 35919), (10, 35931), (12, 35961), (13, 36024), (20, 36282),

Gene: NCRodriguez\_62 Start: 35677, Stop: 36636, Start Num: 3

Candidate Starts for NCRodriguez\_62:

(Start: 3 @35677 has 10 MA's), (9, 35971), (10, 35983), (12, 36013), (13, 36085), (15, 36178), (18, 36295), (21, 36352), (26, 36457), (27, 36493), (28, 36502), (29, 36505), (30, 36529), (31, 36538),

Gene: PhillyJawn\_61 Start: 35356, Stop: 36165, Start Num: 3

Candidate Starts for PhillyJawn\_61:

(Start: 3 @35356 has 10 MA's), (5, 35422), (9, 35650), (10, 35662), (12, 35692), (19, 35983), (32, 36160),

Gene: Phingu\_63 Start: 35588, Stop: 36391, Start Num: 3

Candidate Starts for Phingu\_63:

(Start: 3 @35588 has 10 MA's), (5, 35654), (9, 35882), (10, 35894), (12, 35924), (14, 36050), (19, 36209), (25, 36272), (32, 36386),

Gene: Phonegingi\_61 Start: 35670, Stop: 36533, Start Num: 3

Candidate Starts for Phonegingi\_61:

(Start: 3 @35670 has 10 MA's), (5, 35736), (9, 35964), (10, 35976), (12, 36006), (13, 36075), (22, 36360), (26, 36429),

Gene: Pickles13\_61 Start: 36268, Stop: 37161, Start Num: 1

Candidate Starts for Pickles13\_61:

(Start: 1 @36268 has 1 MA's), (2, 36280), (4, 36382), (6, 36403), (7, 36571), (8, 36601), (9, 36622), (10, 36634), (13, 36748), (15, 36841), (18, 36967), (24, 37084),

Gene: ScoobySnack\_57 Start: 35317, Stop: 36117, Start Num: 3

Candidate Starts for ScoobySnack\_57:

(Start: 3 @35317 has 10 MA's), (5, 35380), (9, 35599), (10, 35611), (11, 35635), (12, 35641), (14, 35776), (19, 35935), (32, 36112),

Gene: Violeta\_62 Start: 35467, Stop: 36279, Start Num: 3

Candidate Starts for Violeta\_62:

(Start: 3 @35467 has 10 MA's), (5, 35533), (9, 35761), (10, 35773), (12, 35803), (19, 36097),

Gene: Warren\_60 Start: 35419, Stop: 36231, Start Num: 3

Candidate Starts for Warren\_60:

(Start: 3 @35419 has 10 MA's), (5, 35485), (9, 35713), (10, 35725), (12, 35755), (14, 35890), (16, 35929), (19, 36049),

Gene: Winchester007\_7 Start: 2630, Stop: 3442, Start Num: 3

Candidate Starts for Winchester007\_7:

(Start: 3 @2630 has 10 MA's), (5, 2696), (9, 2924), (10, 2936), (11, 2960), (12, 2966), (19, 3260), (32, 3437),