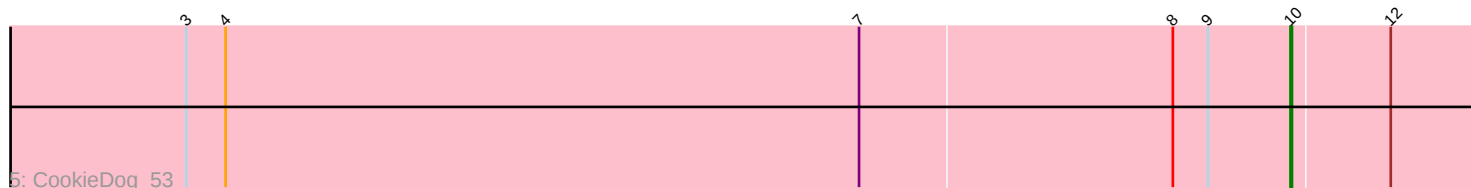
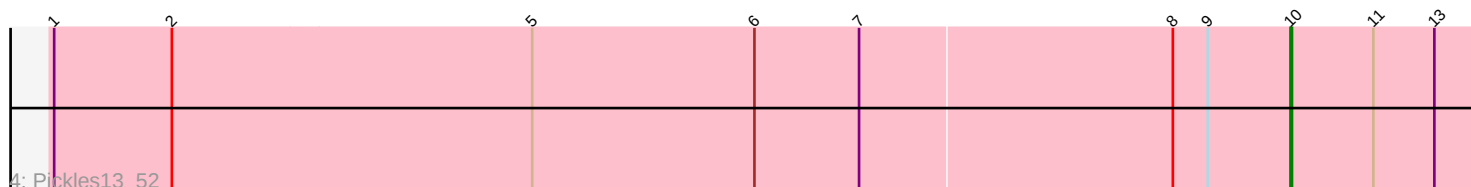
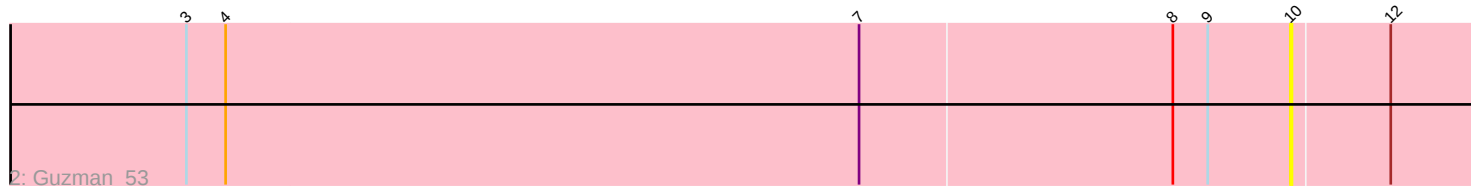
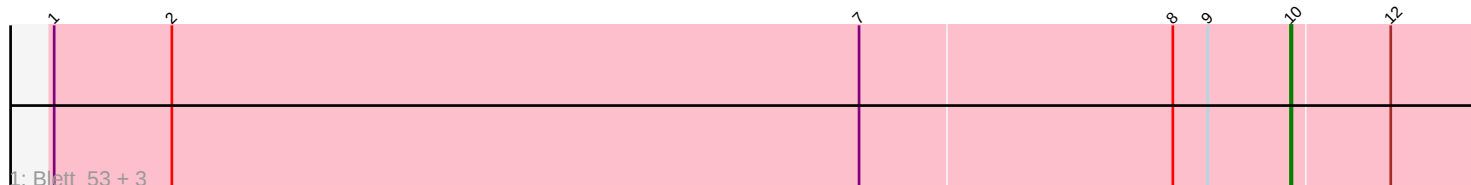


Pham 272141



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 272141 Report

This analysis was run 02/07/26 on database version 634.

Pham number 272141 has 19 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Blett_53, Phingu_56, Warren_53, NCRodriguez_55
- Track 2 : Guzman_53
- Track 3 : Losacky_55, Bush_54, Jakelyne_56, Violeta_55, Antuna_55, MenE_55, Carrillo_55
- Track 4 : Pickles13_52
- Track 5 : CookieDog_53
- Track 6 : Appa_53, PhillyJawn_54, Dropshot_53
- Track 7 : Mariel_56
- Track 8 : Winchester007_69

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

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

Genes that call this "Most Annotated" start:

- Antuna_55, Appa_53, Blett_53, Bush_54, Carrillo_55, CookieDog_53, Dropshot_53, Guzman_53, Jakelyne_56, Losacky_55, Mariel_56, MenE_55, NCRodriguez_55, PhillyJawn_54, Phingu_56, Pickles13_52, Violeta_55, Warren_53, Winchester007_69,

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

-

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

-

Summary by start number:

Start 10:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Antuna_55 (GA), Appa_53 (GA), Blett_53 (GA), Bush_54 (GA), Carrillo_55 (GA), CookieDog_53 (GA), Dropshot_53 (GA), Guzman_53 (GA), Jakelyne_56 (GA), Losacky_55 (GA), Mariel_56 (GA), MenE_55 (GA), NCRodriguez_55 (GA), PhillyJawn_54 (GA), Phingu_56 (GA), Pickles13_52 (GA), Violeta_55 (GA), Warren_53 (GA), Winchester007_69 (GA),

Summary by clusters:

There is one cluster represented in this pham: GA

Info for manual annotations of cluster GA:

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

Gene Information:

Gene: Antuna_55 Start: 32915, Stop: 33058, Start Num: 10

Candidate Starts for Antuna_55:

(3, 32159), (4, 32186), (7, 32621), (8, 32834), (9, 32858), (Start: 10 @32915 has 10 MA's), (12, 32981),

Gene: Appa_53 Start: 32680, Stop: 32823, Start Num: 10

Candidate Starts for Appa_53:

(3, 31924), (4, 31951), (7, 32386), (8, 32599), (9, 32623), (Start: 10 @32680 has 10 MA's), (12, 32746),

Gene: Blett_53 Start: 32865, Stop: 33008, Start Num: 10

Candidate Starts for Blett_53:

(1, 32019), (2, 32100), (7, 32571), (8, 32784), (9, 32808), (Start: 10 @32865 has 10 MA's), (12, 32931),

Gene: Bush_54 Start: 32814, Stop: 32957, Start Num: 10

Candidate Starts for Bush_54:

(3, 32058), (4, 32085), (7, 32520), (8, 32733), (9, 32757), (Start: 10 @32814 has 10 MA's), (12, 32880),

Gene: Carrillo_55 Start: 32788, Stop: 32931, Start Num: 10

Candidate Starts for Carrillo_55:

(3, 32032), (4, 32059), (7, 32494), (8, 32707), (9, 32731), (Start: 10 @32788 has 10 MA's), (12, 32854),

Gene: CookieDog_53 Start: 32788, Stop: 32931, Start Num: 10

Candidate Starts for CookieDog_53:

(3, 32032), (4, 32059), (7, 32494), (8, 32707), (9, 32731), (Start: 10 @32788 has 10 MA's), (12, 32854),

Gene: Dropshot_53 Start: 32515, Stop: 32658, Start Num: 10

Candidate Starts for Dropshot_53:

(3, 31759), (4, 31786), (7, 32221), (8, 32434), (9, 32458), (Start: 10 @32515 has 10 MA's), (12, 32581),

Gene: Guzman_53 Start: 32771, Stop: 32914, Start Num: 10

Candidate Starts for Guzman_53:

(3, 32015), (4, 32042), (7, 32477), (8, 32690), (9, 32714), (Start: 10 @32771 has 10 MA's), (12, 32837),

Gene: Jakelyne_56 Start: 32881, Stop: 33024, Start Num: 10

Candidate Starts for Jakelyne_56:

(3, 32125), (4, 32152), (7, 32587), (8, 32800), (9, 32824), (Start: 10 @32881 has 10 MA's), (12, 32947),

Gene: Losacky_55 Start: 33046, Stop: 33189, Start Num: 10

Candidate Starts for Losacky_55:

(3, 32290), (4, 32317), (7, 32752), (8, 32965), (9, 32989), (Start: 10 @33046 has 10 MA's), (12, 33112),

Gene: Mariel_56 Start: 33255, Stop: 33401, Start Num: 10

Candidate Starts for Mariel_56:

(1, 32406), (2, 32487), (7, 32958), (8, 33174), (9, 33198), (Start: 10 @33255 has 10 MA's), (11, 33309), (13, 33351),

Gene: MenE_55 Start: 32937, Stop: 33080, Start Num: 10

Candidate Starts for MenE_55:

(3, 32181), (4, 32208), (7, 32643), (8, 32856), (9, 32880), (Start: 10 @32937 has 10 MA's), (12, 33003),

Gene: NCRodriguez_55 Start: 33006, Stop: 33149, Start Num: 10

Candidate Starts for NCRodriguez_55:

(1, 32160), (2, 32241), (7, 32712), (8, 32925), (9, 32949), (Start: 10 @33006 has 10 MA's), (12, 33072),

Gene: PhillyJawn_54 Start: 32677, Stop: 32820, Start Num: 10

Candidate Starts for PhillyJawn_54:

(3, 31921), (4, 31948), (7, 32383), (8, 32596), (9, 32620), (Start: 10 @32677 has 10 MA's), (12, 32743),

Gene: Phingu_56 Start: 32901, Stop: 33044, Start Num: 10

Candidate Starts for Phingu_56:

(1, 32055), (2, 32136), (7, 32607), (8, 32820), (9, 32844), (Start: 10 @32901 has 10 MA's), (12, 32967),

Gene: Pickles13_52 Start: 32995, Stop: 33144, Start Num: 10

Candidate Starts for Pickles13_52:

(1, 32149), (2, 32230), (5, 32476), (6, 32629), (7, 32701), (8, 32914), (9, 32938), (Start: 10 @32995 has 10 MA's), (11, 33052), (13, 33094),

Gene: Violeta_55 Start: 32779, Stop: 32922, Start Num: 10

Candidate Starts for Violeta_55:

(3, 32023), (4, 32050), (7, 32485), (8, 32698), (9, 32722), (Start: 10 @32779 has 10 MA's), (12, 32845),

Gene: Warren_53 Start: 32734, Stop: 32877, Start Num: 10

Candidate Starts for Warren_53:

(1, 31888), (2, 31969), (7, 32440), (8, 32653), (9, 32677), (Start: 10 @32734 has 10 MA's), (12, 32800),

Gene: Winchester007_69 Start: 38459, Stop: 94, Start Num: 10

Candidate Starts for Winchester007_69:

(3, 37703), (4, 37730), (7, 38165), (8, 38378), (9, 38402), (Start: 10 @38459 has 10 MA's), (12, 38525), (13, 38555),