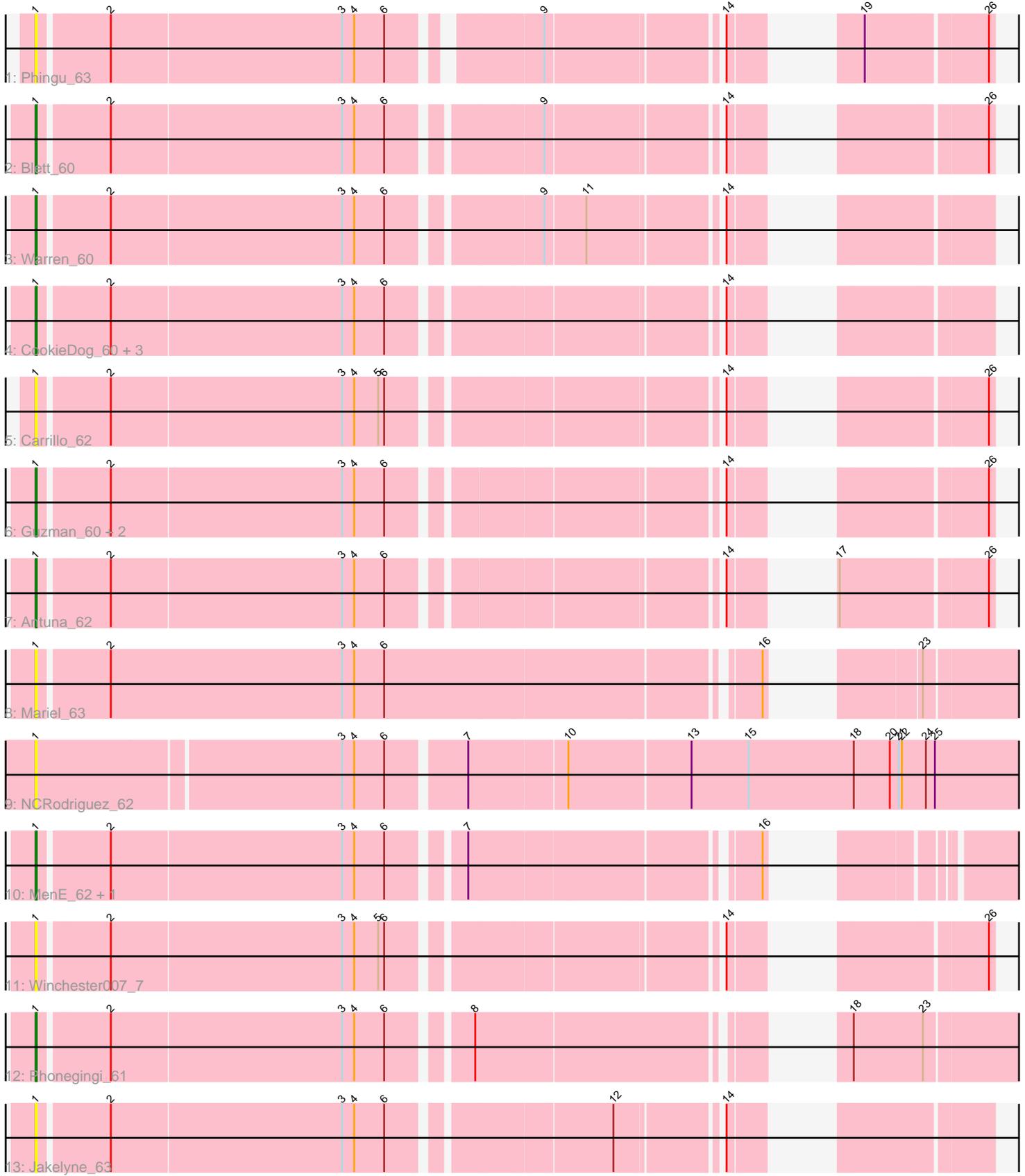


Pham 282503



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 282503 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282503 has 19 members, 9 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 : Winchester007_7
- Track 12 : Phonegingi_61
- Track 13 : 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 1, it was called in 10 of the 10 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, 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:

-

Summary by start number:

Start 1:

- 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_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), 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 10 times for cluster GA.

Gene Information:

Gene: Antuna_62 Start: 35603, Stop: 36412, Start Num: 1

Candidate Starts for Antuna_62:

(Start: 1 @35603 has 10 MA's), (2, 35669), (3, 35897), (4, 35909), (6, 35939), (14, 36230), (17, 36269), (26, 36407),

Gene: Appa_60 Start: 35359, Stop: 36168, Start Num: 1

Candidate Starts for Appa_60:

(Start: 1 @35359 has 10 MA's), (2, 35425), (3, 35653), (4, 35665), (6, 35695), (14, 35986), (26, 36163),

Gene: Blett_60 Start: 35553, Stop: 36365, Start Num: 1

Candidate Starts for Blett_60:

(Start: 1 @35553 has 10 MA's), (2, 35619), (3, 35847), (4, 35859), (6, 35889), (9, 36024), (14, 36183), (26, 36360),

Gene: Bush_61 Start: 35499, Stop: 36332, Start Num: 1

Candidate Starts for Bush_61:

(Start: 1 @35499 has 10 MA's), (2, 35565), (3, 35793), (4, 35805), (6, 35835), (7, 35898), (16, 36159),

Gene: Carrillo_62 Start: 35475, Stop: 36287, Start Num: 1

Candidate Starts for Carrillo_62:

(Start: 1 @35475 has 10 MA's), (2, 35541), (3, 35769), (4, 35781), (5, 35805), (6, 35811), (14, 36105), (26, 36282),

Gene: CookieDog_60 Start: 35482, Stop: 36294, Start Num: 1

Candidate Starts for CookieDog_60:

(Start: 1 @35482 has 10 MA's), (2, 35548), (3, 35776), (4, 35788), (6, 35818), (14, 36112),

Gene: Dropshot_60 Start: 35194, Stop: 36006, Start Num: 1

Candidate Starts for Dropshot_60:

(Start: 1 @35194 has 10 MA's), (2, 35260), (3, 35488), (4, 35500), (6, 35530), (14, 35824),

Gene: Guzman_60 Start: 35426, Stop: 36235, Start Num: 1

Candidate Starts for Guzman_60:

(Start: 1 @35426 has 10 MA's), (2, 35492), (3, 35720), (4, 35732), (6, 35762), (14, 36053), (26, 36230),

Gene: Jakelyne_63 Start: 35569, Stop: 36381, Start Num: 1

Candidate Starts for Jakelyne_63:

(Start: 1 @35569 has 10 MA's), (2, 35635), (3, 35863), (4, 35875), (6, 35905), (12, 36106), (14, 36199),

Gene: Losacky_62 Start: 35734, Stop: 36546, Start Num: 1

Candidate Starts for Losacky_62:

(Start: 1 @35734 has 10 MA's), (2, 35800), (3, 36028), (4, 36040), (6, 36070), (14, 36364),

Gene: Mariel_63 Start: 35931, Stop: 36803, Start Num: 1

Candidate Starts for Mariel_63:

(Start: 1 @35931 has 10 MA's), (2, 35997), (3, 36228), (4, 36240), (6, 36270), (16, 36615), (23, 36699),

Gene: MenE_62 Start: 35625, Stop: 36455, Start Num: 1

Candidate Starts for MenE_62:

(Start: 1 @35625 has 10 MA's), (2, 35691), (3, 35919), (4, 35931), (6, 35961), (7, 36024), (16, 36282),

Gene: NCRodriguez_62 Start: 35677, Stop: 36636, Start Num: 1

Candidate Starts for NCRodriguez_62:

(Start: 1 @35677 has 10 MA's), (3, 35971), (4, 35983), (6, 36013), (7, 36085), (10, 36178), (13, 36295), (15, 36352), (18, 36457), (20, 36493), (21, 36502), (22, 36505), (24, 36529), (25, 36538),

Gene: PhillyJawn_61 Start: 35356, Stop: 36165, Start Num: 1

Candidate Starts for PhillyJawn_61:

(Start: 1 @35356 has 10 MA's), (2, 35422), (3, 35650), (4, 35662), (6, 35692), (14, 35983), (26, 36160),

Gene: Phingu_63 Start: 35588, Stop: 36391, Start Num: 1

Candidate Starts for Phingu_63:

(Start: 1 @35588 has 10 MA's), (2, 35654), (3, 35882), (4, 35894), (6, 35924), (9, 36050), (14, 36209), (19, 36272), (26, 36386),

Gene: Phonegingi_61 Start: 35670, Stop: 36533, Start Num: 1

Candidate Starts for Phonegingi_61:

(Start: 1 @35670 has 10 MA's), (2, 35736), (3, 35964), (4, 35976), (6, 36006), (8, 36075), (18, 36360), (23, 36429),

Gene: Violeta_62 Start: 35467, Stop: 36279, Start Num: 1

Candidate Starts for Violeta_62:

(Start: 1 @35467 has 10 MA's), (2, 35533), (3, 35761), (4, 35773), (6, 35803), (14, 36097),

Gene: Warren_60 Start: 35419, Stop: 36231, Start Num: 1

Candidate Starts for Warren_60:

(Start: 1 @35419 has 10 MA's), (2, 35485), (3, 35713), (4, 35725), (6, 35755), (9, 35890), (11, 35929), (14, 36049),

Gene: Winchester007_7 Start: 2630, Stop: 3442, Start Num: 1

Candidate Starts for Winchester007_7:

(Start: 1 @2630 has 10 MA's), (2, 2696), (3, 2924), (4, 2936), (5, 2960), (6, 2966), (14, 3260), (26, 3437),