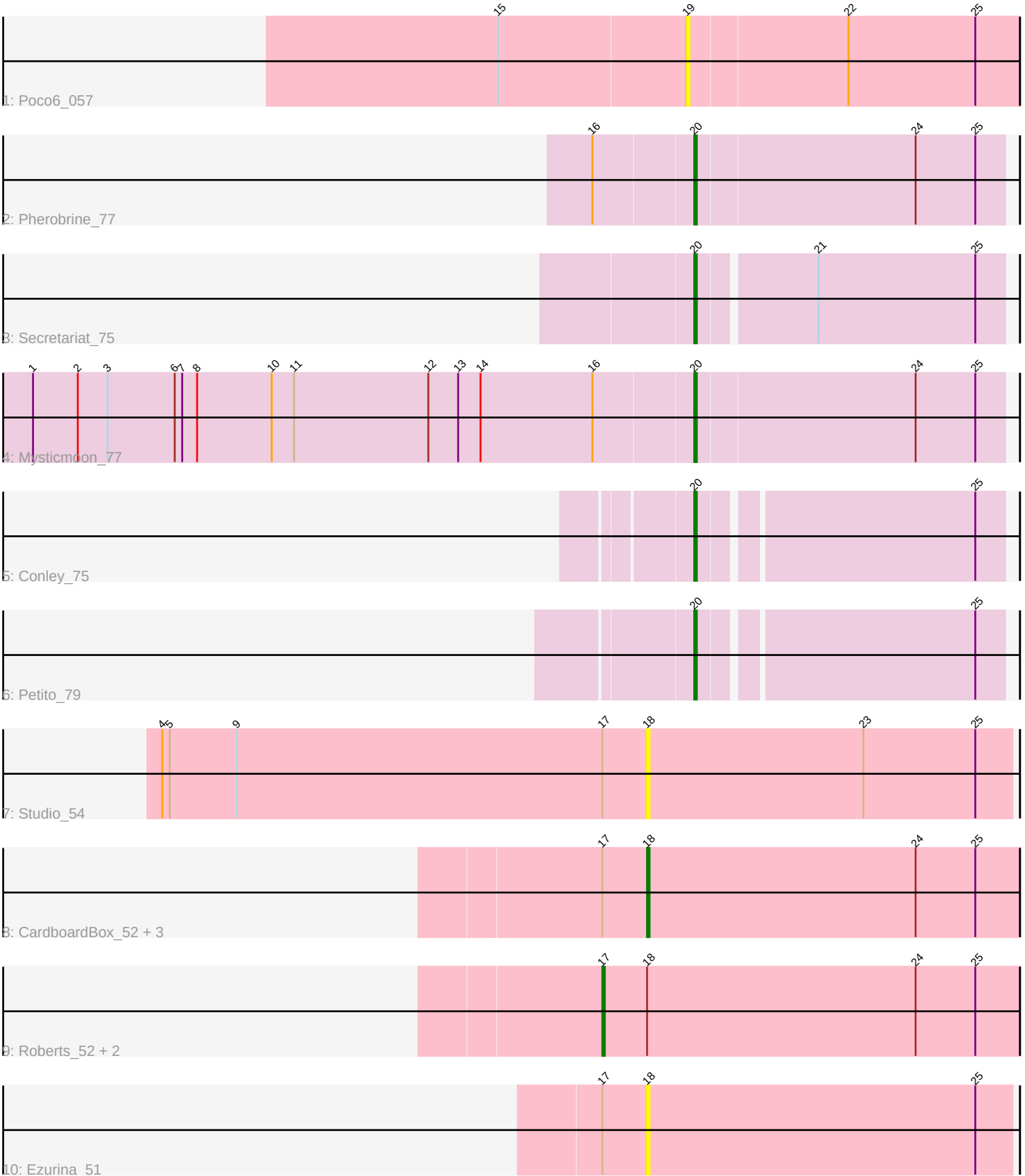


Pham 329535



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 329535 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329535 has 15 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Poco6_057
- Track 2 : Pherobrine_77
- Track 3 : Secretariat_75
- Track 4 : Mysticmoon_77
- Track 5 : Conley_75
- Track 6 : Petito_79
- Track 7 : Studio_54
- Track 8 : CardboardBox_52, Gerri43_51, Neuville_51, ChamoyPickle_53
- Track 9 : Roberts_52, AnnabelLee_53, ChipsNGuac_52
- Track 10 : Ezurina_51

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

The start number called the most often in the published annotations is 20, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Conley_75, Mysticmoon_77, Petito_79, Pherobrine_77, Secretariat_75,

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

-

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

- AnnabelLee_53, CardboardBox_52, ChamoyPickle_53, ChipsNGuac_52, Ezurina_51, Gerri43_51, Neuville_51, Poco6_057, Roberts_52, Studio_54,

Summary by start number:

Start 17:

- Found in 9 of 15 (60.0%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 33.3% of time when present
- Phage (with cluster) where this start called: AnnabelLee_53 (FR), ChipsNGuac_52 (FR), Roberts_52 (FR),

Start 18:

- Found in 9 of 15 (60.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 66.7% of time when present
- Phage (with cluster) where this start called: CardboardBox_52 (FR), ChamoyPickle_53 (FR), Ezurina_51 (FR), Gerri43_51 (FR), Neuville_51 (FR), Studio_54 (FR),

Start 19:

- Found in 1 of 15 (6.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Poco6_057 (CC),

Start 20:

- Found in 5 of 15 (33.3%) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Conley_75 (DJ), Mysticmoon_77 (DJ), Petit_79 (DJ), Pherobrine_77 (DJ), Secretariat_75 (DJ),

Summary by clusters:

There are 3 clusters represented in this pham: CC, FR, DJ,

Info for manual annotations of cluster DJ:

- Start number 20 was manually annotated 5 times for cluster DJ.

Info for manual annotations of cluster FR:

- Start number 17 was manually annotated 3 times for cluster FR.
- Start number 18 was manually annotated 1 time for cluster FR.

Gene Information:

Gene: AnnabelLee_53 Start: 32600, Stop: 32433, Start Num: 17

Candidate Starts for AnnabelLee_53:

(Start: 17 @32600 has 3 MA's), (Start: 18 @32582 has 1 MA's), (24, 32474), (25, 32450),

Gene: CardboardBox_52 Start: 32585, Stop: 32436, Start Num: 18

Candidate Starts for CardboardBox_52:

(Start: 17 @32603 has 3 MA's), (Start: 18 @32585 has 1 MA's), (24, 32477), (25, 32453),

Gene: ChamoyPickle_53 Start: 33125, Stop: 32976, Start Num: 18

Candidate Starts for ChamoyPickle_53:

(Start: 17 @33143 has 3 MA's), (Start: 18 @33125 has 1 MA's), (24, 33017), (25, 32993),

Gene: ChipsNGuac_52 Start: 32603, Stop: 32436, Start Num: 17

Candidate Starts for ChipsNGuac_52:

(Start: 17 @32603 has 3 MA's), (Start: 18 @32585 has 1 MA's), (24, 32477), (25, 32453),

Gene: Conley_75 Start: 51077, Stop: 51193, Start Num: 20

Candidate Starts for Conley_75:

(Start: 20 @51077 has 5 MA's), (25, 51182),

Gene: Ezurina_51 Start: 33562, Stop: 33416, Start Num: 18

Candidate Starts for Ezurina_51:

(Start: 17 @33580 has 3 MA's), (Start: 18 @33562 has 1 MA's), (25, 33430),

Gene: Gerri43_51 Start: 32585, Stop: 32436, Start Num: 18

Candidate Starts for Gerri43_51:

(Start: 17 @32603 has 3 MA's), (Start: 18 @32585 has 1 MA's), (24, 32477), (25, 32453),

Gene: Mysticmoon_77 Start: 52079, Stop: 52201, Start Num: 20

Candidate Starts for Mysticmoon_77:

(1, 51815), (2, 51833), (3, 51845), (6, 51872), (7, 51875), (8, 51881), (10, 51911), (11, 51920), (12, 51974), (13, 51986), (14, 51995), (16, 52040), (Start: 20 @52079 has 5 MA's), (24, 52166), (25, 52190),

Gene: Neuville_51 Start: 32585, Stop: 32436, Start Num: 18

Candidate Starts for Neuville_51:

(Start: 17 @32603 has 3 MA's), (Start: 18 @32585 has 1 MA's), (24, 32477), (25, 32453),

Gene: Petit_79 Start: 52029, Stop: 52145, Start Num: 20

Candidate Starts for Petit_79:

(Start: 20 @52029 has 5 MA's), (25, 52134),

Gene: Pherobrine_77 Start: 52134, Stop: 52256, Start Num: 20

Candidate Starts for Pherobrine_77:

(16, 52095), (Start: 20 @52134 has 5 MA's), (24, 52221), (25, 52245),

Gene: Poco6_057 Start: 66807, Stop: 66938, Start Num: 19

Candidate Starts for Poco6_057:

(15, 66732), (19, 66807), (22, 66870), (25, 66921),

Gene: Roberts_52 Start: 32603, Stop: 32436, Start Num: 17

Candidate Starts for Roberts_52:

(Start: 17 @32603 has 3 MA's), (Start: 18 @32585 has 1 MA's), (24, 32477), (25, 32453),

Gene: Secretariat_75 Start: 50334, Stop: 50453, Start Num: 20

Candidate Starts for Secretariat_75:

(Start: 20 @50334 has 5 MA's), (21, 50379), (25, 50442),

Gene: Studio_54 Start: 33799, Stop: 33653, Start Num: 18

Candidate Starts for Studio_54:

(4, 33994), (5, 33991), (9, 33964), (Start: 17 @33817 has 3 MA's), (Start: 18 @33799 has 1 MA's), (23, 33712), (25, 33667),