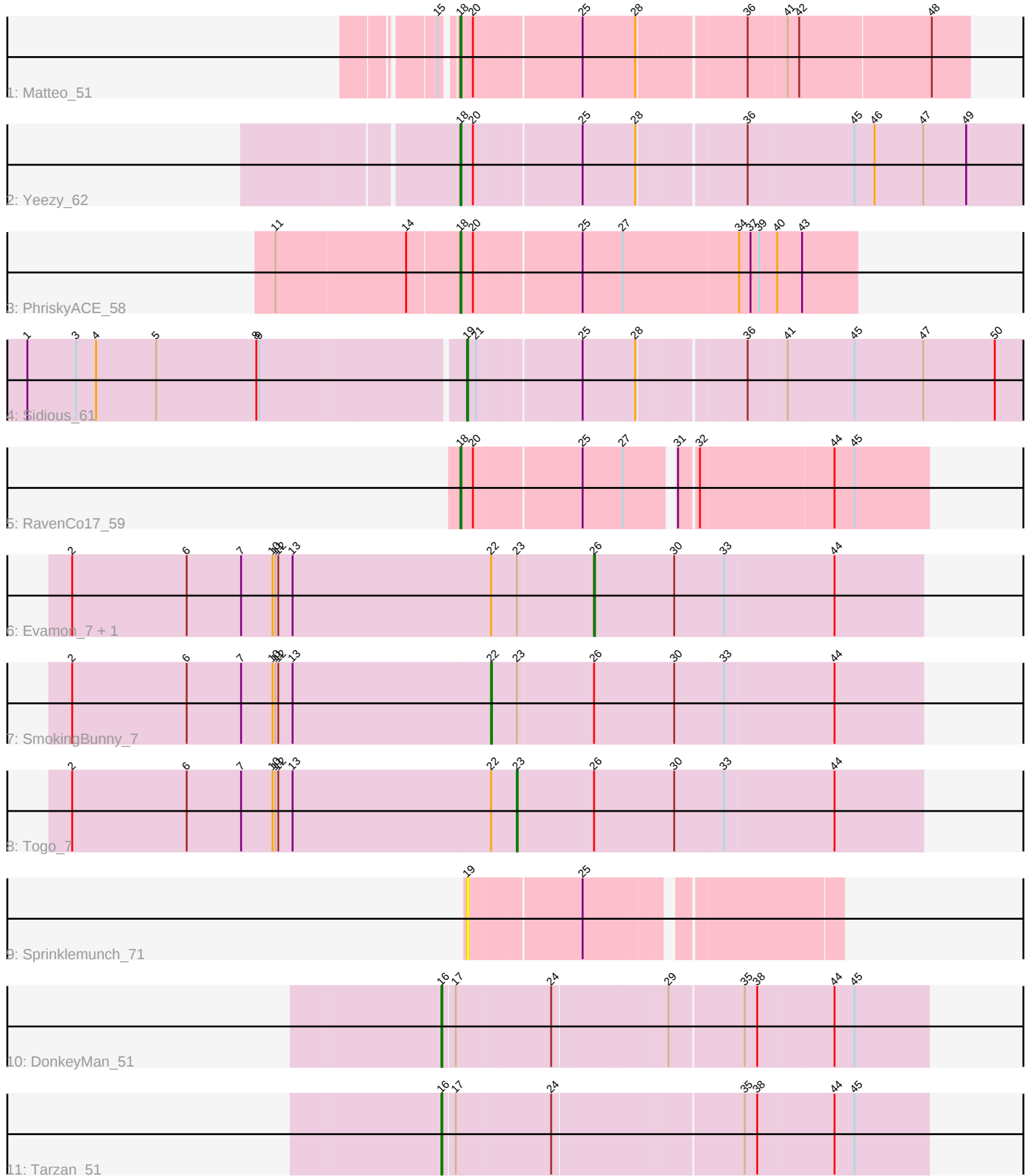


Pham 331435



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 331435 Report

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

Pham number 331435 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Matteo_51
- Track 2 : Yeezy_62
- Track 3 : PhriskyACE_58
- Track 4 : Sidious_61
- Track 5 : RavenCo17_59
- Track 6 : Evamon_7, Salvador_7
- Track 7 : SmokingBunny_7
- Track 8 : Togo_7
- Track 9 : Sprinklemunch_71
- Track 10 : DonkeyMan_51
- Track 11 : Tarzan_51

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

The start number called the most often in the published annotations is 18, it was called in 4 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Matteo_51, PhriskyACE_58, RavenCo17_59, Yeezy_62,

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

-

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

- DonkeyMan_51, Evamon_7, Salvador_7, Sidious_61, SmokingBunny_7, Sprinklemunch_71, Tarzan_51, Togo_7,

Summary by start number:

Start 16:

- Found in 2 of 12 (16.7%) of genes in pham
- Manual Annotations of this start: 2 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DonkeyMan_51 (DY), Tarzan_51 (DY),

Start 18:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 4 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Matteo_51 (CZ2), PhriskyACE_58 (CZ4), RavenCo17_59 (CZ8), Yeezy_62 (CZ3),

Start 19:

- Found in 2 of 12 (16.7%) 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: Sidious_61 (CZ7), Sprinklemunch_71 (DW),

Start 22:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 25.0% of time when present
- Phage (with cluster) where this start called: SmokingBunny_7 (DC1),

Start 23:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Togo_7 (DC1),

Start 26:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 11
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Evamon_7 (DC1), Salvador_7 (DC1),

Summary by clusters:

There are 8 clusters represented in this pham: CZ8, CZ2, CZ3, CZ7, CZ4, DY, DW, DC1,

Info for manual annotations of cluster CZ2:

- Start number 18 was manually annotated 1 time for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 18 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 18 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster CZ7:

- Start number 19 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:

- Start number 18 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DC1:

- Start number 22 was manually annotated 1 time for cluster DC1.
- Start number 23 was manually annotated 1 time for cluster DC1.
- Start number 26 was manually annotated 2 times for cluster DC1.

Info for manual annotations of cluster DY:

- Start number 16 was manually annotated 2 times for cluster DY.

Gene Information:

Gene: DonkeyMan_51 Start: 34129, Stop: 34614, Start Num: 16

Candidate Starts for DonkeyMan_51:

(Start: 16 @34129 has 2 MA's), (17, 34141), (24, 34237), (29, 34351), (35, 34426), (38, 34438), (44, 34516), (45, 34537),

Gene: Evamon_7 Start: 3543, Stop: 3884, Start Num: 26

Candidate Starts for Evamon_7:

(2, 3000), (6, 3120), (7, 3177), (10, 3210), (11, 3213), (12, 3216), (13, 3231), (Start: 22 @3438 has 1 MA's), (Start: 23 @3465 has 1 MA's), (Start: 26 @3543 has 2 MA's), (30, 3627), (33, 3678), (44, 3792),

Gene: Matteo_51 Start: 35221, Stop: 35715, Start Num: 18

Candidate Starts for Matteo_51:

(15, 35209), (Start: 18 @35221 has 4 MA's), (20, 35233), (25, 35335), (28, 35389), (36, 35491), (41, 35530), (42, 35542), (48, 35677),

Gene: PhriskyACE_58 Start: 40589, Stop: 40981, Start Num: 18

Candidate Starts for PhriskyACE_58:

(11, 40403), (14, 40535), (Start: 18 @40589 has 4 MA's), (20, 40601), (25, 40703), (27, 40745), (34, 40862), (37, 40874), (39, 40883), (40, 40901), (43, 40925),

Gene: RavenCo17_59 Start: 42392, Stop: 42841, Start Num: 18

Candidate Starts for RavenCo17_59:

(Start: 18 @42392 has 4 MA's), (20, 42404), (25, 42506), (27, 42548), (31, 42590), (32, 42608), (44, 42743), (45, 42764),

Gene: Salvador_7 Start: 3541, Stop: 3882, Start Num: 26

Candidate Starts for Salvador_7:

(2, 2998), (6, 3118), (7, 3175), (10, 3208), (11, 3211), (12, 3214), (13, 3229), (Start: 22 @3436 has 1 MA's), (Start: 23 @3463 has 1 MA's), (Start: 26 @3541 has 2 MA's), (30, 3625), (33, 3676), (44, 3790),

Gene: Sidious_61 Start: 43186, Stop: 43737, Start Num: 19

Candidate Starts for Sidious_61:

(1, 42736), (3, 42787), (4, 42808), (5, 42871), (8, 42976), (9, 42979), (Start: 19 @43186 has 1 MA's), (21, 43195), (25, 43294), (28, 43348), (36, 43450), (41, 43489), (45, 43558), (47, 43630), (50, 43702),

Gene: SmokingBunny_7 Start: 3436, Stop: 3882, Start Num: 22

Candidate Starts for SmokingBunny_7:

(2, 2998), (6, 3118), (7, 3175), (10, 3208), (11, 3211), (12, 3214), (13, 3229), (Start: 22 @3436 has 1 MA's), (Start: 23 @3463 has 1 MA's), (Start: 26 @3541 has 2 MA's), (30, 3625), (33, 3676), (44, 3790),

Gene: Sprinklemunch_71 Start: 46572, Stop: 46919, Start Num: 19

Candidate Starts for Sprinklemunch_71:

(Start: 19 @46572 has 1 MA's), (25, 46680),

Gene: Tarzan_51 Start: 33384, Stop: 33869, Start Num: 16

Candidate Starts for Tarzan_51:

(Start: 16 @33384 has 2 MA's), (17, 33396), (24, 33492), (35, 33681), (38, 33693), (44, 33771), (45, 33792),

Gene: Togo_7 Start: 3463, Stop: 3882, Start Num: 23

Candidate Starts for Togo_7:

(2, 2998), (6, 3118), (7, 3175), (10, 3208), (11, 3211), (12, 3214), (13, 3229), (Start: 22 @3436 has 1 MA's), (Start: 23 @3463 has 1 MA's), (Start: 26 @3541 has 2 MA's), (30, 3625), (33, 3676), (44, 3790),

Gene: Yeezy_62 Start: 41341, Stop: 41898, Start Num: 18

Candidate Starts for Yeezy_62:

(Start: 18 @41341 has 4 MA's), (20, 41353), (25, 41455), (28, 41509), (36, 41611), (45, 41719), (46, 41740), (47, 41791), (49, 41833),