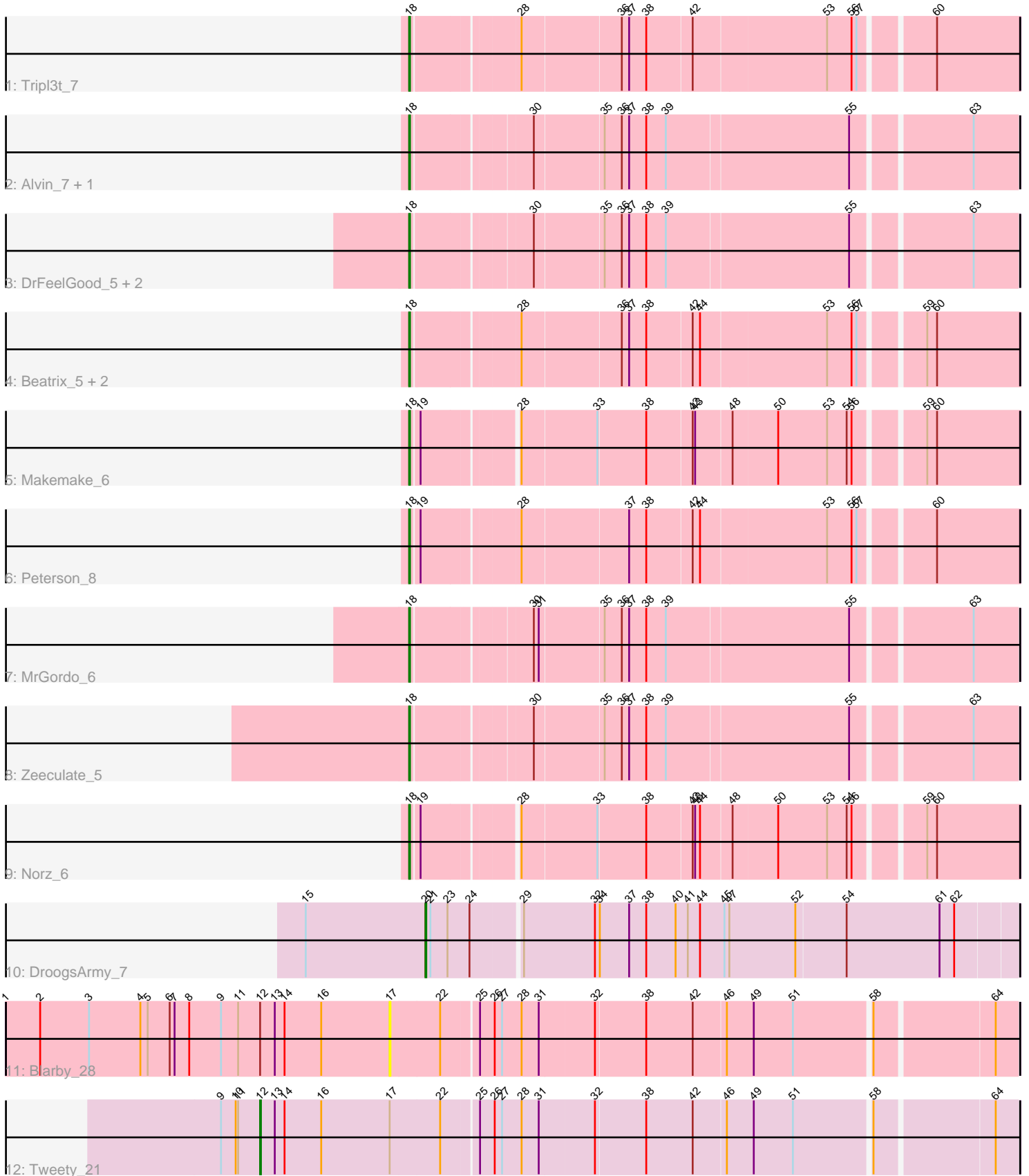


Pham 171830



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 171830 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171830 has 17 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Tripl3t_7
- Track 2 : Alvin_7, Crispicous1_5
- Track 3 : DrFeelGood_5, Big3_6, Michley_6
- Track 4 : Beatrix_5, StrongArm_5, Bexan_5
- Track 5 : Makemake_6
- Track 6 : Peterson_8
- Track 7 : MrGordo_6
- Track 8 : Zeeculate_5
- Track 9 : Norz_6
- Track 10 : DroogsArmy_7
- Track 11 : Blarby_28
- Track 12 : Tweety_21

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 14 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alvin_7, Beatrix_5, Bexan_5, Big3_6, Crispicous1_5, DrFeelGood_5, Makemake_6, Michley_6, MrGordo_6, Norz_6, Peterson_8, StrongArm_5, Tripl3t_7, Zeeculate_5,

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

-

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

- Blarby_28, DroogsArmy_7, Tweety_21,

Summary by start number:

Start 12:

- Found in 2 of 17 (11.8%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 50.0% of time when present

- Phage (with cluster) where this start called: Tweety_21 (F1),

Start 17:

- Found in 2 of 17 (11.8%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Blarby_28 (F),

Start 18:

- Found in 14 of 17 (82.4%) of genes in pham
- Manual Annotations of this start: 14 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alvin_7 (A1), Beatrix_5 (A1), Bexan_5 (A1), Big3_6 (A1), Crispicous1_5 (A1), DrFeelGood_5 (A1), Makemake_6 (A1), Michley_6 (A1), MrGordo_6 (A1), Norz_6 (A1), Peterson_8 (A1), StrongArm_5 (A1), Tripl3t_7 (A1), Zeeculate_5 (A1),

Start 20:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DroogsArmy_7 (A7),

Summary by clusters:

There are 4 clusters represented in this pham: A1, F1, A7, F,

Info for manual annotations of cluster A1:

- Start number 18 was manually annotated 14 times for cluster A1.

Info for manual annotations of cluster A7:

- Start number 20 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster F1:

- Start number 12 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: Alvin_7 Start: 3646, Stop: 4338, Start Num: 18

Candidate Starts for Alvin_7:

(Start: 18 @3646 has 14 MA's), (30, 3775), (35, 3856), (36, 3877), (37, 3886), (38, 3907), (39, 3931), (55, 4150), (63, 4285),

Gene: Beatrix_5 Start: 3035, Stop: 3730, Start Num: 18

Candidate Starts for Beatrix_5:

(Start: 18 @3035 has 14 MA's), (28, 3152), (36, 3269), (37, 3278), (38, 3299), (42, 3353), (44, 3362), (53, 3512), (56, 3542), (57, 3548), (59, 3617), (60, 3629),

Gene: Bexan_5 Start: 3035, Stop: 3730, Start Num: 18

Candidate Starts for Bexan_5:

(Start: 18 @3035 has 14 MA's), (28, 3152), (36, 3269), (37, 3278), (38, 3299), (42, 3353), (44, 3362), (53, 3512), (56, 3542), (57, 3548), (59, 3617), (60, 3629),

Gene: Big3_6 Start: 2980, Stop: 3672, Start Num: 18

Candidate Starts for Big3_6:

(Start: 18 @2980 has 14 MA's), (30, 3109), (35, 3190), (36, 3211), (37, 3220), (38, 3241), (39, 3265), (55, 3484), (63, 3619),

Gene: Blarby_28 Start: 22525, Stop: 23256, Start Num: 17

Candidate Starts for Blarby_28:

(1, 22054), (2, 22096), (3, 22156), (4, 22219), (5, 22228), (6, 22255), (7, 22261), (8, 22279), (9, 22318), (11, 22339), (Start: 12 @22366 has 1 MA's), (13, 22384), (14, 22396), (16, 22441), (17, 22525), (22, 22585), (25, 22627), (26, 22645), (27, 22654), (28, 22678), (31, 22699), (32, 22765), (38, 22825), (42, 22882), (46, 22921), (49, 22954), (51, 23002), (58, 23092), (64, 23230),

Gene: Crispicious1_5 Start: 2816, Stop: 3508, Start Num: 18

Candidate Starts for Crispicious1_5:

(Start: 18 @2816 has 14 MA's), (30, 2945), (35, 3026), (36, 3047), (37, 3056), (38, 3077), (39, 3101), (55, 3320), (63, 3455),

Gene: DrFeelGood_5 Start: 3134, Stop: 3826, Start Num: 18

Candidate Starts for DrFeelGood_5:

(Start: 18 @3134 has 14 MA's), (30, 3263), (35, 3344), (36, 3365), (37, 3374), (38, 3395), (39, 3419), (55, 3638), (63, 3773),

Gene: DroogsArmy_7 Start: 4452, Stop: 5159, Start Num: 20

Candidate Starts for DroogsArmy_7:

(15, 4305), (Start: 20 @4452 has 1 MA's), (21, 4458), (23, 4479), (24, 4506), (29, 4563), (32, 4650), (34, 4656), (37, 4692), (38, 4713), (40, 4749), (41, 4764), (44, 4779), (45, 4809), (47, 4815), (52, 4896), (54, 4956), (61, 5070), (62, 5088),

Gene: Makemake_6 Start: 3551, Stop: 4240, Start Num: 18

Candidate Starts for Makemake_6:

(Start: 18 @3551 has 14 MA's), (19, 3560), (28, 3662), (33, 3752), (38, 3809), (42, 3863), (43, 3866), (48, 3908), (50, 3962), (53, 4022), (54, 4046), (56, 4052), (59, 4127), (60, 4139),

Gene: Michley_6 Start: 3280, Stop: 3972, Start Num: 18

Candidate Starts for Michley_6:

(Start: 18 @3280 has 14 MA's), (30, 3409), (35, 3490), (36, 3511), (37, 3520), (38, 3541), (39, 3565), (55, 3784), (63, 3919),

Gene: MrGordo_6 Start: 3113, Stop: 3805, Start Num: 18

Candidate Starts for MrGordo_6:

(Start: 18 @3113 has 14 MA's), (30, 3242), (31, 3248), (35, 3323), (36, 3344), (37, 3353), (38, 3374), (39, 3398), (55, 3617), (63, 3752),

Gene: Norz_6 Start: 3312, Stop: 4001, Start Num: 18

Candidate Starts for Norz_6:

(Start: 18 @3312 has 14 MA's), (19, 3321), (28, 3423), (33, 3513), (38, 3570), (42, 3624), (43, 3627), (44, 3633), (48, 3669), (50, 3723), (53, 3783), (54, 3807), (56, 3813), (59, 3888), (60, 3900),

Gene: Peterson_8 Start: 4615, Stop: 5310, Start Num: 18

Candidate Starts for Peterson_8:

(Start: 18 @4615 has 14 MA's), (19, 4624), (28, 4732), (37, 4858), (38, 4879), (42, 4933), (44, 4942), (53, 5092), (56, 5122), (57, 5128), (60, 5209),

Gene: StrongArm_5 Start: 3035, Stop: 3730, Start Num: 18

Candidate Starts for StrongArm_5:

(Start: 18 @3035 has 14 MA's), (28, 3152), (36, 3269), (37, 3278), (38, 3299), (42, 3353), (44, 3362), (53, 3512), (56, 3542), (57, 3548), (59, 3617), (60, 3629),

Gene: Tripl3t_7 Start: 4022, Stop: 4717, Start Num: 18

Candidate Starts for Tripl3t_7:

(Start: 18 @4022 has 14 MA's), (28, 4139), (36, 4256), (37, 4265), (38, 4286), (42, 4340), (53, 4499), (56, 4529), (57, 4535), (60, 4616),

Gene: Tweety_21 Start: 22143, Stop: 23033, Start Num: 12

Candidate Starts for Tweety_21:

(9, 22095), (10, 22113), (11, 22116), (Start: 12 @22143 has 1 MA's), (13, 22161), (14, 22173), (16, 22218), (17, 22302), (22, 22362), (25, 22404), (26, 22422), (27, 22431), (28, 22455), (31, 22476), (32, 22542), (38, 22602), (42, 22659), (46, 22698), (49, 22731), (51, 22779), (58, 22869), (64, 23007),

Gene: Zeeculate_5 Start: 3085, Stop: 3777, Start Num: 18

Candidate Starts for Zeeculate_5:

(Start: 18 @3085 has 14 MA's), (30, 3214), (35, 3295), (36, 3316), (37, 3325), (38, 3346), (39, 3370), (55, 3589), (63, 3724),