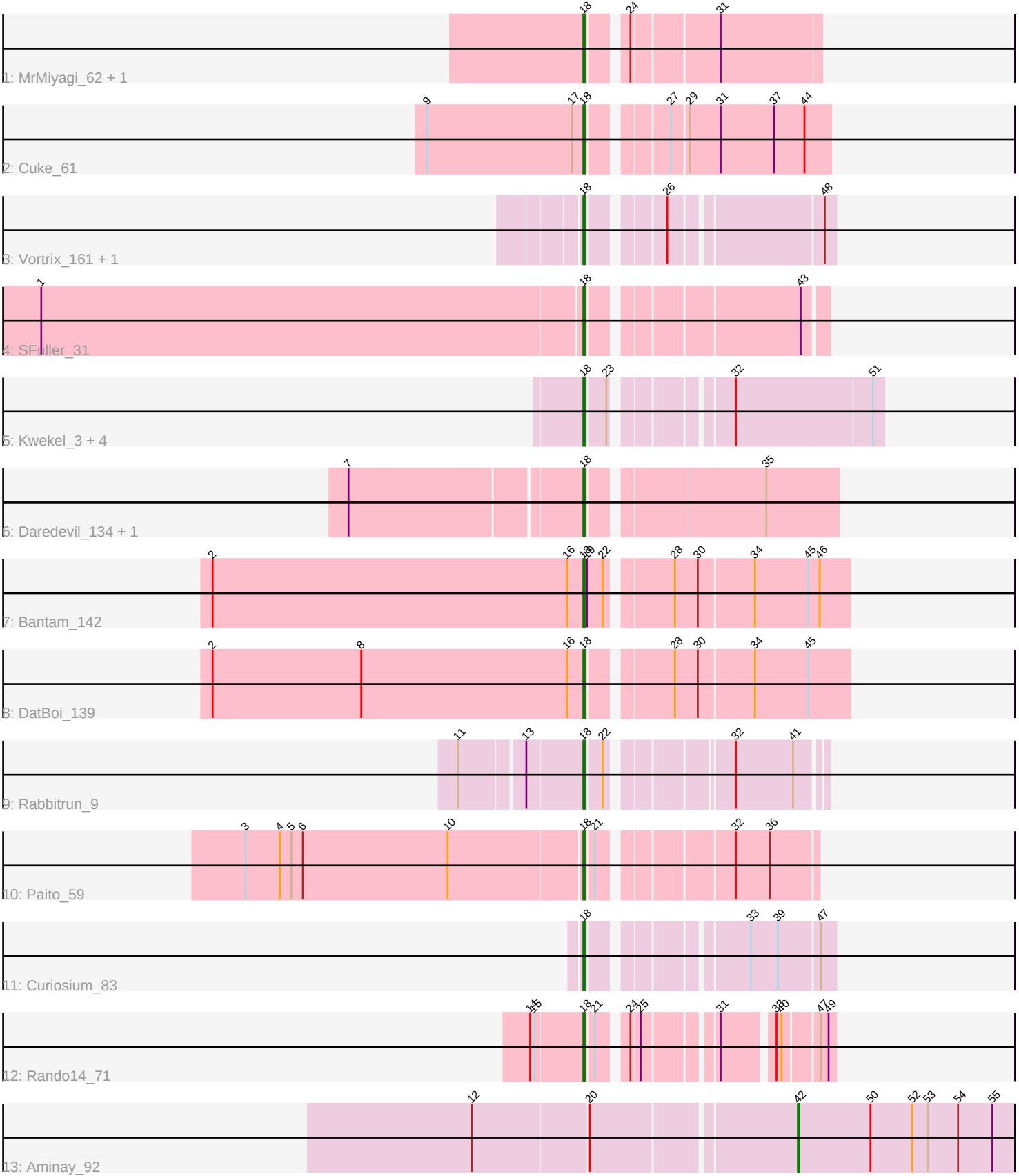


Pham 331266



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 331266 Report

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

Pham number 331266 has 20 members, 1 are drafts.

Phages represented in each track:

- Track 1 : MrMiyagi_62, Fowlmouth_63
- Track 2 : Cuke_61
- Track 3 : Vortrix_161, Tonenili_162
- Track 4 : SFuller_31
- Track 5 : Kwekel_3, EdmundFerry_3, Chickadee_3, Twonlo_3, RoadKill_3
- Track 6 : Daredevil_134, Towmatter_131
- Track 7 : Bantam_142
- Track 8 : DatBoi_139
- Track 9 : Rabbitrun_9
- Track 10 : Paito_59
- Track 11 : Curiosium_83
- Track 12 : Rando14_71
- Track 13 : Aminay_92

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 18 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bantam_142, Chickadee_3, Cuke_61, Curiosium_83, Daredevil_134, DatBoi_139, EdmundFerry_3, Fowlmouth_63, Kwekel_3, MrMiyagi_62, Paito_59, Rabbitrun_9, Rando14_71, RoadKill_3, SFuller_31, Tonenili_162, Towmatter_131, Twonlo_3, Vortrix_161,

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

-

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

- Aminay_92,

Summary by start number:

Start 18:

- Found in 19 of 20 (95.0%) of genes in pham
- Manual Annotations of this start: 18 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bantam_142 (DL), Chickadee_3 (DE3), Cuke_61 (AC), Curiosium_83 (K1), Daredevil_134 (DL), DatBoi_139 (DL), EdmundFerry_3 (DE3), Fowlmouth_63 (AC), Kwekel_3 (DE3), MrMiyagi_62 (AC), Paito_59 (G1), Rabbitrun_9 (DU2), Rando14_71 (K5), RoadKill_3 (DE3), SFuller_31 (CF), Tonenili_162 (C1), Towmatter_131 (DL), Twonlo_3 (DE3), Vortrix_161 (C1),

Start 42:

- Found in 1 of 20 (5.0%) of genes in pham
- Manual Annotations of this start: 1 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_92 (K7),

Summary by clusters:

There are 10 clusters represented in this pham: AC, G1, DE3, DL, CF, K1, K7, K5, C1, DU2,

Info for manual annotations of cluster AC:

- Start number 18 was manually annotated 3 times for cluster AC.

Info for manual annotations of cluster C1:

- Start number 18 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster CF:

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

Info for manual annotations of cluster DE3:

- Start number 18 was manually annotated 5 times for cluster DE3.

Info for manual annotations of cluster DL:

- Start number 18 was manually annotated 4 times for cluster DL.

Info for manual annotations of cluster DU2:

- Start number 18 was manually annotated 1 time for cluster DU2.

Info for manual annotations of cluster G1:

- Start number 18 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster K1:

- Start number 18 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K5:

- Start number 18 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K7:

- Start number 42 was manually annotated 1 time for cluster K7.

Gene Information:

Gene: Aminay_92 Start: 55581, Stop: 55751, Start Num: 42

Candidate Starts for Aminay_92:

(12, 55344), (20, 55431), (Start: 42 @55581 has 1 MA's), (50, 55638), (52, 55671), (53, 55683), (54, 55707), (55, 55734),

Gene: Bantam_142 Start: 81782, Stop: 81588, Start Num: 18

Candidate Starts for Bantam_142:

(2, 82073), (16, 81794), (Start: 18 @81782 has 18 MA's), (19, 81779), (22, 81767), (28, 81722), (30, 81704), (34, 81662), (45, 81620), (46, 81611),

Gene: Chickadee_3 Start: 2216, Stop: 2419, Start Num: 18

Candidate Starts for Chickadee_3:

(Start: 18 @2216 has 18 MA's), (23, 2231), (32, 2306), (51, 2411),

Gene: Cuke_61 Start: 38970, Stop: 39143, Start Num: 18

Candidate Starts for Cuke_61:

(9, 38847), (17, 38961), (Start: 18 @38970 has 18 MA's), (27, 39021), (29, 39033), (31, 39057), (37, 39099), (44, 39123),

Gene: Curiosium_83 Start: 50804, Stop: 50968, Start Num: 18

Candidate Starts for Curiosium_83:

(Start: 18 @50804 has 18 MA's), (33, 50906), (39, 50927), (47, 50957),

Gene: Daredevil_134 Start: 78226, Stop: 78044, Start Num: 18

Candidate Starts for Daredevil_134:

(7, 78397), (Start: 18 @78226 has 18 MA's), (35, 78100),

Gene: DatBoi_139 Start: 80774, Stop: 80583, Start Num: 18

Candidate Starts for DatBoi_139:

(2, 81065), (8, 80948), (16, 80786), (Start: 18 @80774 has 18 MA's), (28, 80717), (30, 80699), (34, 80657), (45, 80615),

Gene: EdmundFerry_3 Start: 2216, Stop: 2419, Start Num: 18

Candidate Starts for EdmundFerry_3:

(Start: 18 @2216 has 18 MA's), (23, 2231), (32, 2306), (51, 2411),

Gene: Fowlmouth_63 Start: 41807, Stop: 41971, Start Num: 18

Candidate Starts for Fowlmouth_63:

(Start: 18 @41807 has 18 MA's), (24, 41831), (31, 41894),

Gene: Kwekel_3 Start: 2216, Stop: 2419, Start Num: 18

Candidate Starts for Kwekel_3:

(Start: 18 @2216 has 18 MA's), (23, 2231), (32, 2306), (51, 2411),

Gene: MrMiyagi_62 Start: 42191, Stop: 42355, Start Num: 18

Candidate Starts for MrMiyagi_62:

(Start: 18 @42191 has 18 MA's), (24, 42215), (31, 42278),

Gene: Paito_59 Start: 39620, Stop: 39778, Start Num: 18

Candidate Starts for Paito_59:

(3, 39359), (4, 39386), (5, 39395), (6, 39404), (10, 39518), (Start: 18 @39620 has 18 MA's), (21, 39626), (32, 39716), (36, 39743),

Gene: Rabbitrun_9 Start: 2782, Stop: 2624, Start Num: 18

Candidate Starts for Rabbitrun_9:

(11, 2872), (13, 2824), (Start: 18 @2782 has 18 MA's), (22, 2770), (32, 2689), (41, 2644),

Gene: Rando14_71 Start: 48397, Stop: 48549, Start Num: 18

Candidate Starts for Rando14_71:

(14, 48358), (15, 48361), (Start: 18 @48397 has 18 MA's), (21, 48403), (24, 48421), (25, 48427), (31, 48475), (38, 48511), (40, 48514), (47, 48538), (49, 48544),

Gene: RoadKill_3 Start: 2216, Stop: 2419, Start Num: 18

Candidate Starts for RoadKill_3:

(Start: 18 @2216 has 18 MA's), (23, 2231), (32, 2306), (51, 2411),

Gene: SFuller_31 Start: 28444, Stop: 28280, Start Num: 18

Candidate Starts for SFuller_31:

(1, 28864), (Start: 18 @28444 has 18 MA's), (43, 28297),

Gene: Tonenili_162 Start: 93057, Stop: 93221, Start Num: 18

Candidate Starts for Tonenili_162:

(Start: 18 @93057 has 18 MA's), (26, 93105), (48, 93213),

Gene: Towmatter_131 Start: 78307, Stop: 78125, Start Num: 18

Candidate Starts for Towmatter_131:

(7, 78478), (Start: 18 @78307 has 18 MA's), (35, 78181),

Gene: Twonlo_3 Start: 2216, Stop: 2419, Start Num: 18

Candidate Starts for Twonlo_3:

(Start: 18 @2216 has 18 MA's), (23, 2231), (32, 2306), (51, 2411),

Gene: Vortrix_161 Start: 92370, Stop: 92534, Start Num: 18

Candidate Starts for Vortrix_161:

(Start: 18 @92370 has 18 MA's), (26, 92418), (48, 92526),