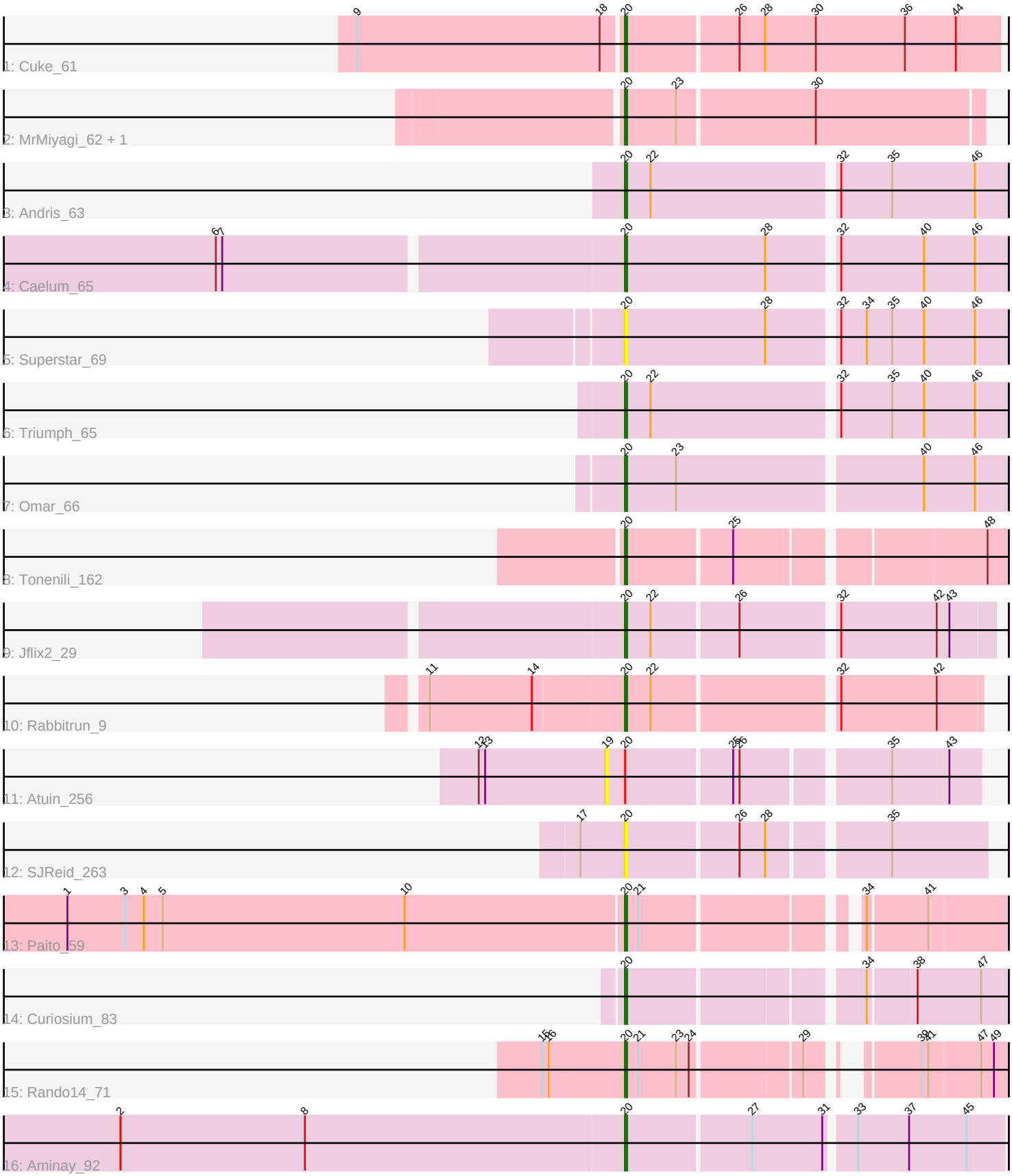
Pham 196912


1: Cuke_61
2: MrMiyagi_62 + 1
3: Andris_63
4: Caelum_65
5: Superstar_69
6: Triumph_65
7: Omar_66
8: Tonenili_162
9: Jflix2_29
10: Rabbitrun_9
11: Atuin_256
12: SJReid_263
13: Paito_59
14: Curiosium_83
15: Rando14_71
16: Aminay_92

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 196912 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196912 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Cuke_61
• Track 2 : MrMiyagi_62, Fowlmouth_63
• Track 3 : Andris_63
• Track 4 : Caelum_65
• Track 5 : Superstar_69
• Track 6 : Triumph_65
• Track 7 : Omar_66
• Track 8 : Tonenili_162
• Track 9 : Jflix2_29
• Track 10 : Rabbitrun_9
• Track 11 : Atuin_256
• Track 12 : SJReid_263
• Track 13 : Paito_59
• Track 14 : Curiosium_83
• Track 15 : Rando14_71
• Track 16 : 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 20, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aminay_92, Andris_63, Caelum_65, Cuke_61, Curiosium_83, Fowlmouth_63, Jflix2_29, MrMiyagi_62, Omar_66, Paito_59, Rabbitrun_9, Rando14_71, SJReid_263, Superstar_69, Tonenili_162, Triumph_65,

Genes that have the "Most Annotated" start but do not call it:
• Atuin_256,

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

Summary by start number:

Start 19:
• Found in 1 of 17 (5.9%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_256 (FC),

Start 20:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 94.1% of time when present
• Phage (with cluster) where this start called: Aminay_92 (K7), Andris_63 (BD2), Caelum_65 (BD2), Cuke_61 (AC), Curiosium_83 (K1), Fowlmouth_63 (AC), Jflix2_29 (CF), MrMiyagi_62 (AC), Omar_66 (BD2), Paito_59 (G1), Rabbitrun_9 (DU2), Rando14_71 (K5), SJReid_263 (FC), Superstar_69 (BD2), Tonenili_162 (C1), Triumph_65 (BD2),

Summary by clusters:

There are 10 clusters represented in this pham: AC, G1, CF, K1, FC, K7, K5, BD2, C1, DU2,

Info for manual annotations of cluster AC:
•Start number 20 was manually annotated 3 times for cluster AC.

Info for manual annotations of cluster BD2:
•Start number 20 was manually annotated 4 times for cluster BD2.

Info for manual annotations of cluster C1:
•Start number 20 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster CF:
•Start number 20 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster DU2:
•Start number 20 was manually annotated 1 time for cluster DU2.

Info for manual annotations of cluster G1:
•Start number 20 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster K1:
•Start number 20 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K5:
•Start number 20 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K7:
•Start number 20 was manually annotated 1 time for cluster K7.

Gene Information:

Gene: Aminay_92 Start: 55581, Stop: 55751, Start Num: 20
Candidate Starts for Aminay_92:
(2, 55344), (8, 55431), (Start: 20 @55581 has 14 MA's), (27, 55638), (31, 55671), (33, 55683), (37, 55707), (45, 55734),

Gene: Andris_63 Start: 42730, Stop: 42557, Start Num: 20
Candidate Starts for Andris_63:
(Start: 20 @42730 has 14 MA's), (22, 42718), (32, 42634), (35, 42610), (46, 42571),

Gene: Atuin_256 Start: 159446, Stop: 159610, Start Num: 19
Candidate Starts for Atuin_256:
(12, 159386), (13, 159389), (19, 159446), (Start: 20 @159455 has 14 MA's), (25, 159503), (26, 159506), (35, 159569), (43, 159596),

Gene: Caelum_65 Start: 42370, Stop: 42197, Start Num: 20
Candidate Starts for Caelum_65:
(6, 42556), (7, 42553), (Start: 20 @42370 has 14 MA's), (28, 42304), (32, 42274), (40, 42235), (46, 42211),

Gene: Cuke_61 Start: 38970, Stop: 39143, Start Num: 20
Candidate Starts for Cuke_61:
(9, 38847), (18, 38961), (Start: 20 @38970 has 14 MA's), (26, 39021), (28, 39033), (30, 39057), (36, 39099), (44, 39123),

Gene: Curiosium_83 Start: 50804, Stop: 50968, Start Num: 20
Candidate Starts for Curiosium_83:
(Start: 20 @50804 has 14 MA's), (34, 50906), (38, 50927), (47, 50957),

Gene: Fowlmouth_63 Start: 41807, Stop: 41971, Start Num: 20
Candidate Starts for Fowlmouth_63:
(Start: 20 @41807 has 14 MA's), (23, 41831), (30, 41894),

Gene: Jflix2_29 Start: 27850, Stop: 27686, Start Num: 20
Candidate Starts for Jflix2_29:
(Start: 20 @27850 has 14 MA's), (22, 27838), (26, 27799), (32, 27757), (42, 27712), (43, 27706),

Gene: MrMiyagi_62 Start: 42191, Stop: 42355, Start Num: 20
Candidate Starts for MrMiyagi_62:
(Start: 20 @42191 has 14 MA's), (23, 42215), (30, 42278),

Gene: Omar_66 Start: 41357, Stop: 41184, Start Num: 20
Candidate Starts for Omar_66:
(Start: 20 @41357 has 14 MA's), (23, 41333), (40, 41222), (46, 41198),

Gene: Paito_59 Start: 39620, Stop: 39778, Start Num: 20
Candidate Starts for Paito_59:
(1, 39359), (3, 39386), (4, 39395), (5, 39404), (10, 39518), (Start: 20 @39620 has 14 MA's), (21, 39626), (34, 39716), (41, 39743),

Gene: Rabbitrun_9 Start: 2782, Stop: 2624, Start Num: 20
Candidate Starts for Rabbitrun_9:
(11, 2872), (14, 2824), (Start: 20 @2782 has 14 MA's), (22, 2770), (32, 2689), (42, 2644),

Gene: Rando14_71 Start: 48397, Stop: 48549, Start Num: 20
Candidate Starts for Rando14_71:
(15, 48358), (16, 48361), (Start: 20 @48397 has 14 MA's), (21, 48403), (23, 48421), (24, 48427), (29, 48475), (39, 48511), (41, 48514), (47, 48538), (49, 48544),

Gene: SJReid_263 Start: 154498, Stop: 154656, Start Num: 20
Candidate Starts for SJReid_263:
(17, 154483), (Start: 20 @154498 has 14 MA's), (26, 154549), (28, 154561), (35, 154612),

Gene: Superstar_69 Start: 43188, Stop: 43015, Start Num: 20
Candidate Starts for Superstar_69:
(Start: 20 @43188 has 14 MA's), (28, 43122), (32, 43092), (34, 43080), (35, 43068), (40, 43053), (46, 43029),

Gene: Tonenili_162 Start: 93057, Stop: 93221, Start Num: 20
Candidate Starts for Tonenili_162:
(Start: 20 @93057 has 14 MA's), (25, 93105), (48, 93213),

Gene: Triumph_65 Start: 43164, Stop: 42991, Start Num: 20
Candidate Starts for Triumph_65:
(Start: 20 @43164 has 14 MA's), (22, 43152), (32, 43068), (35, 43044), (40, 43029), (46, 43005),