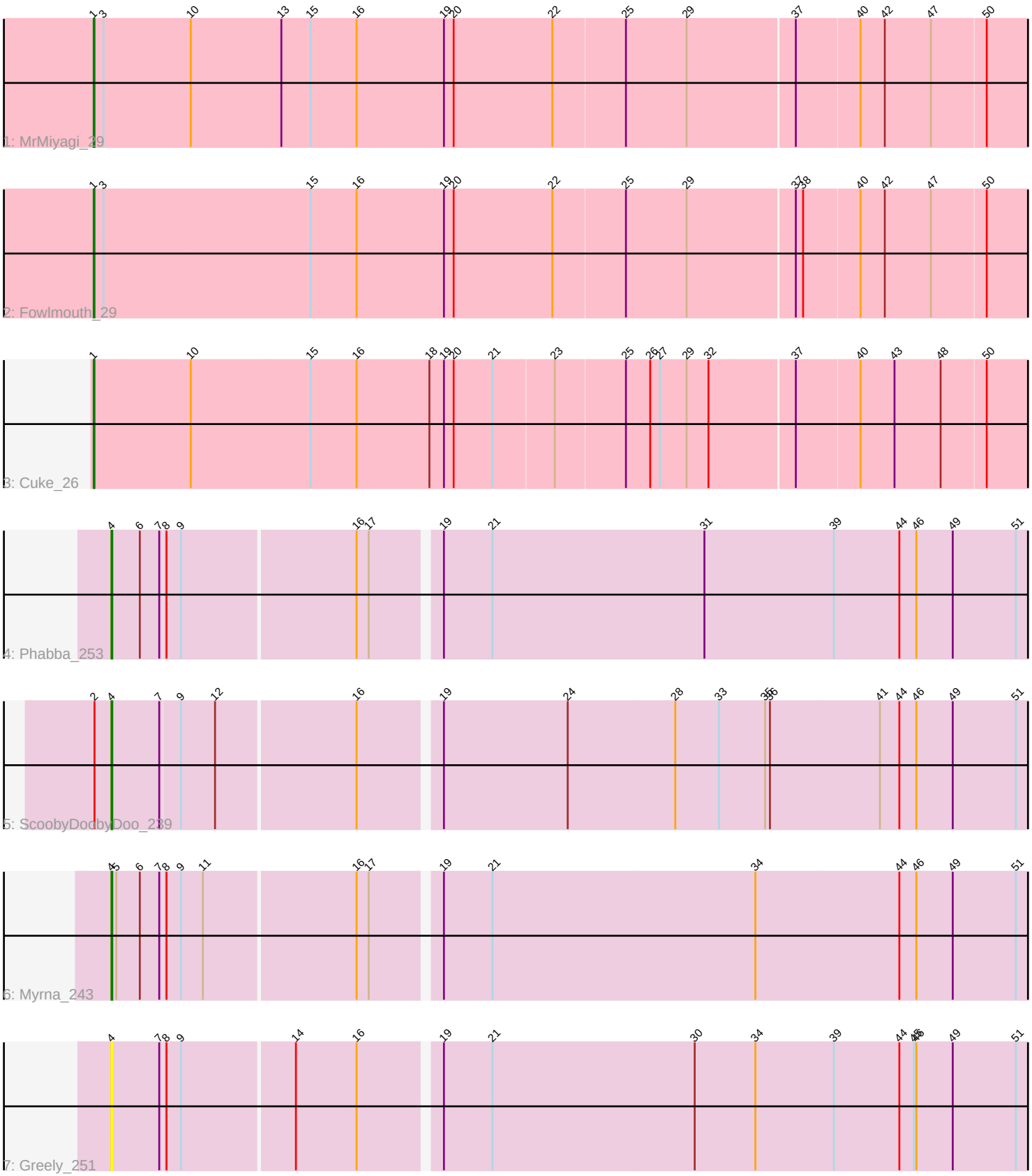
Zoomed Pham 325932



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 325932 Report

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

Pham number 325932 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : MrMiyagi_29
• Track 2 : Fowlmouth_29
• Track 3 : Cuke_26
• Track 4 : Phabba_253
• Track 5 : ScoobyDoobyDoo_239
• Track 6 : Myrna_243
• Track 7 : Greely_251

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

The start number called the most often in the published annotations is 4, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Greely_251, Myrna_243, Phabba_253, ScoobyDoobyDoo_239,

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

Genes that do not have the "Most Annotated" start:
• Cuke_26, Fowlmouth_29, MrMiyagi_29,

Summary by start number:

Start 1:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cuke_26 (AC), Fowlmouth_29 (AC), MrMiyagi_29 (AC),

Start 4:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 3 of 6

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Greely_251 (C2), Myrna_243 (C2), Phabba_253 (C2), ScoobyDoobyDoo_239 (C2),

Summary by clusters:

There are 2 clusters represented in this pham: C2, AC,

Info for manual annotations of cluster AC:
•Start number 1 was manually annotated 3 times for cluster AC.

Info for manual annotations of cluster C2:
•Start number 4 was manually annotated 3 times for cluster C2.

Gene Information:

Gene: Cuke_26 Start: 24159, Stop: 25718, Start Num: 1
Candidate Starts for Cuke_26:
(Start: 1 @24159 has 3 MA's), (10, 24276), (15, 24423), (16, 24480), (18, 24570), (19, 24588), (20, 24600), (21, 24648), (23, 24720), (25, 24804), (26, 24834), (27, 24846), (29, 24879), (32, 24906), (37, 25008), (40, 25083), (43, 25125), (48, 25182), (50, 25236), (54, 25344), (55, 25347), (58, 25386), (60, 25446), (63, 25515), (64, 25518), (70, 25608), (71, 25650),

Gene: Fowlmouth_29 Start: 27635, Stop: 29203, Start Num: 1
Candidate Starts for Fowlmouth_29:
(Start: 1 @27635 has 3 MA's), (3, 27647), (15, 27899), (16, 27956), (19, 28064), (20, 28076), (22, 28196), (25, 28283), (29, 28358), (37, 28487), (38, 28496), (40, 28562), (42, 28592), (47, 28649), (50, 28715), (52, 28793), (55, 28826), (56, 28829), (57, 28859), (58, 28865), (60, 28925), (63, 28994), (64, 28997), (65, 29030), (69, 29078), (70, 29087), (71, 29129),

Gene: Greely_251 Start: 145257, Stop: 146849, Start Num: 4
Candidate Starts for Greely_251:
(Start: 4 @145257 has 3 MA's), (7, 145314), (8, 145320), (9, 145338), (14, 145473), (16, 145548), (19, 145641), (21, 145701), (30, 145950), (34, 146025), (39, 146121), (44, 146202), (45, 146220), (46, 146223), (49, 146268), (51, 146346), (61, 146541), (62, 146589), (66, 146667), (72, 146766),

Gene: MrMiyagi_29 Start: 27646, Stop: 29214, Start Num: 1
Candidate Starts for MrMiyagi_29:
(Start: 1 @27646 has 3 MA's), (3, 27658), (10, 27763), (13, 27874), (15, 27910), (16, 27967), (19, 28075), (20, 28087), (22, 28207), (25, 28294), (29, 28369), (37, 28498), (40, 28573), (42, 28603), (47, 28660), (50, 28726), (52, 28804), (54, 28834), (55, 28837), (56, 28840), (57, 28870), (58, 28876), (60, 28936), (63, 29005), (64, 29008), (65, 29041), (69, 29089), (70, 29098), (71, 29140),

Gene: Myrna_243 Start: 145241, Stop: 146833, Start Num: 4
Candidate Starts for Myrna_243:
(Start: 4 @145241 has 3 MA's), (5, 145247), (6, 145274), (7, 145298), (8, 145304), (9, 145322), (11, 145349), (16, 145532), (17, 145547), (19, 145625), (21, 145685), (34, 146009), (44, 146186), (46, 146207), (49, 146252), (51, 146330), (59, 146483), (61, 146525), (62, 146573), (66, 146651), (72, 146750),

Gene: Phabba_253 Start: 144624, Stop: 146216, Start Num: 4

Candidate Starts for Phabba_253:
(Start: 4 @144624 has 3 MA's), (6, 144657), (7, 144681), (8, 144687), (9, 144705), (16, 144915), (17, 144930), (19, 145008), (21, 145068), (31, 145329), (39, 145488), (44, 145569), (46, 145590), (49, 145635), (51, 145713), (53, 145773), (61, 145908), (62, 145956), (66, 146034), (72, 146133),

Gene: ScoobyDoobyDoo_239 Start: 141640, Stop: 143223, Start Num: 4
Candidate Starts for ScoobyDoobyDoo_239:
(2, 141619), (Start: 4 @141640 has 3 MA's), (7, 141697), (9, 141721), (12, 141763), (16, 141931), (19, 142024), (24, 142177), (28, 142309), (33, 142363), (35, 142420), (36, 142426), (41, 142561), (44, 142585), (46, 142606), (49, 142651), (51, 142729), (53, 142789), (61, 142921), (66, 143047), (67, 143053), (68, 143065), (72, 143146),