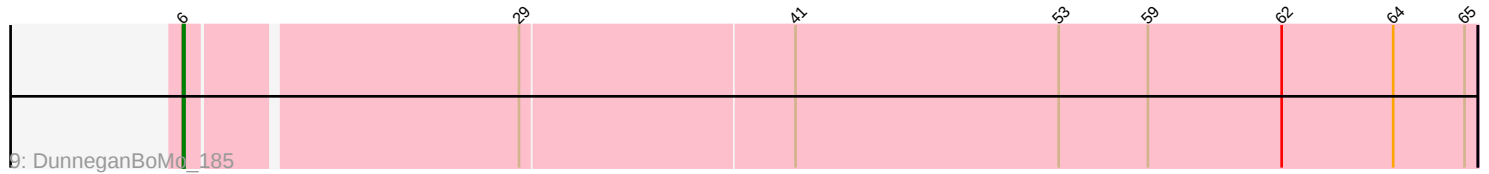
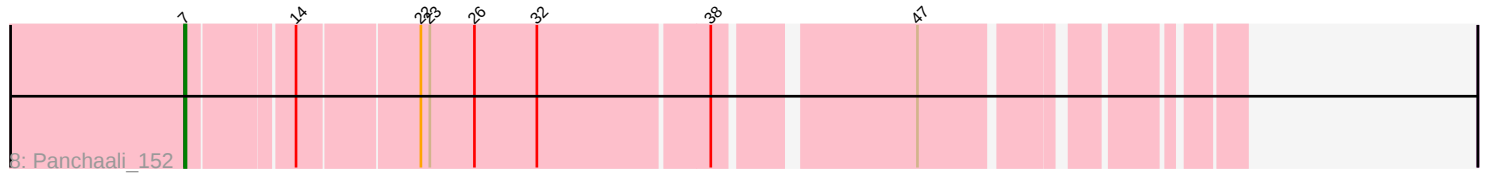
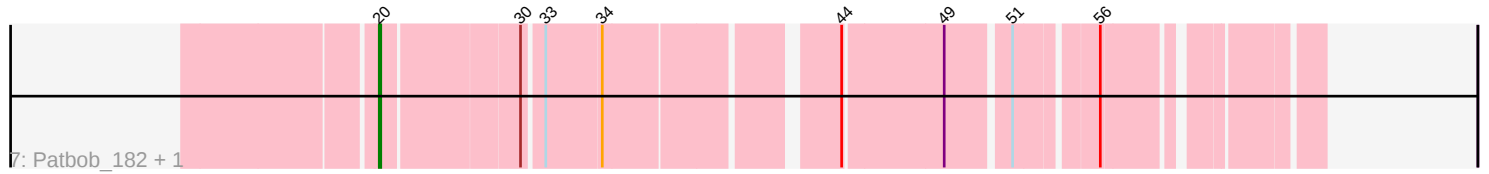
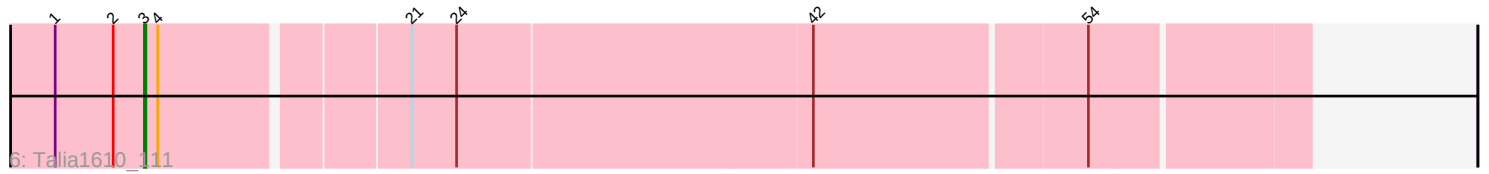
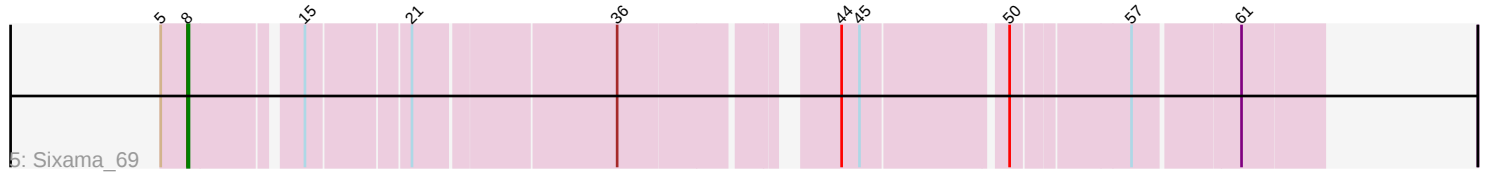
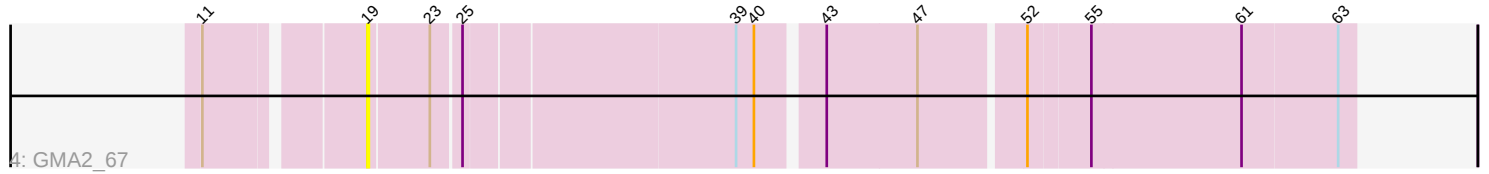
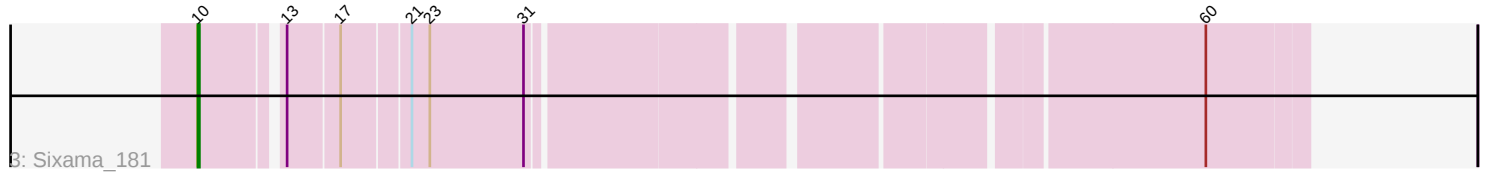
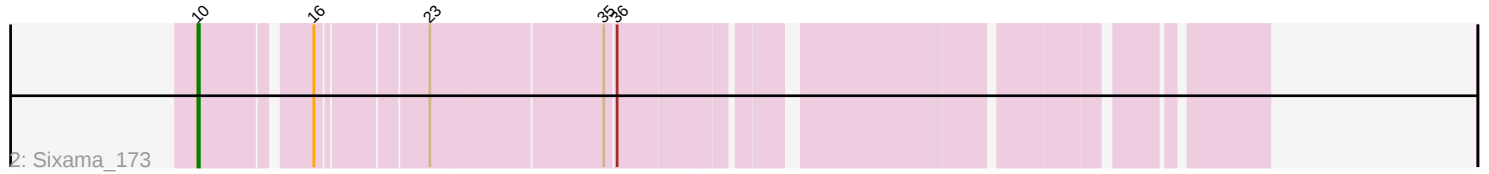
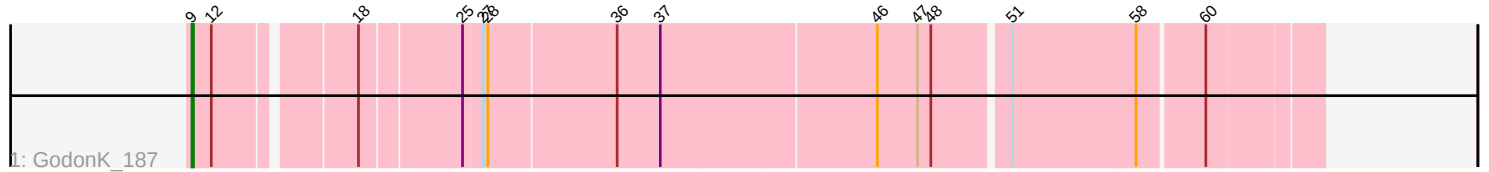


Pham 309790



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 309790 Report

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

Pham number 309790 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : GodonK_187
- Track 2 : Sixama_173
- Track 3 : Sixama_181
- Track 4 : GMA2_67
- Track 5 : Sixama_69
- Track 6 : Talia1610_111
- Track 7 : Patbob_182, GoldenEssence_171
- Track 8 : Panchaali_152
- Track 9 : DunneganBoMo_185

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

The start number called the most often in the published annotations is 10, it was called in 2 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Sixama_173, Sixama_181,

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

-

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

- DunneganBoMo_185, GMA2_67, GodonK_187, GoldenEssence_171, Panchaali_152, Patbob_182, Sixama_69, Talia1610_111,

Summary by start number:

Start 3:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Talia1610_111 (FC),

Start 6:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DunneganBoMo_185 (FC),

Start 7:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Panchaali_152 (FC),

Start 8:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sixama_69 (DS),

Start 9:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GodonK_187 (DK),

Start 10:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sixama_173 (DS), Sixama_181 (DS),

Start 19:

- Found in 1 of 10 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA2_67 (DS),

Start 20:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GoldenEssence_171 (FC), Patbob_182 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: FC, DS, DK,

Info for manual annotations of cluster DK:

- Start number 9 was manually annotated 1 time for cluster DK.

Info for manual annotations of cluster DS:

- Start number 8 was manually annotated 1 time for cluster DS.
- Start number 10 was manually annotated 2 times for cluster DS.

Info for manual annotations of cluster FC:

- Start number 3 was manually annotated 1 time for cluster FC.
- Start number 6 was manually annotated 1 time for cluster FC.
- Start number 7 was manually annotated 1 time for cluster FC.
- Start number 20 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: DunneganBoMo_185 Start: 136806, Stop: 137657, Start Num: 6

Candidate Starts for DunneganBoMo_185:

(Start: 6 @136806 has 1 MA's), (29, 137019), (41, 137199), (53, 137376), (59, 137436), (62, 137526), (64, 137601), (65, 137649),

Gene: GMA2_67 Start: 70752, Stop: 70132, Start Num: 19

Candidate Starts for GMA2_67:

(11, 70848), (19, 70752), (23, 70713), (25, 70695), (39, 70521), (40, 70509), (43, 70470), (47, 70410), (52, 70344), (55, 70305), (61, 70206), (63, 70143),

Gene: GodonK_187 Start: 95906, Stop: 95202, Start Num: 9

Candidate Starts for GodonK_187:

(Start: 9 @95906 has 1 MA's), (12, 95894), (18, 95810), (25, 95747), (27, 95735), (28, 95732), (36, 95648), (37, 95621), (46, 95480), (47, 95453), (48, 95444), (51, 95396), (58, 95315), (60, 95273),

Gene: GoldenEssence_171 Start: 116065, Stop: 116607, Start Num: 20

Candidate Starts for GoldenEssence_171:

(Start: 20 @116065 has 2 MA's), (30, 116152), (33, 116164), (34, 116200), (44, 116338), (49, 116401), (51, 116440), (56, 116488),

Gene: Panchaali_152 Start: 104102, Stop: 104734, Start Num: 7

Candidate Starts for Panchaali_152:

(Start: 7 @104102 has 1 MA's), (14, 104168), (22, 104246), (23, 104252), (26, 104282), (32, 104324), (38, 104435), (47, 104555),

Gene: Patbob_182 Start: 122681, Stop: 123223, Start Num: 20

Candidate Starts for Patbob_182:

(Start: 20 @122681 has 2 MA's), (30, 122768), (33, 122780), (34, 122816), (44, 122954), (49, 123017), (51, 123056), (56, 123104),

Gene: Sixama_173 Start: 99735, Stop: 99109, Start Num: 10

Candidate Starts for Sixama_173:

(Start: 10 @99735 has 2 MA's), (16, 99669), (23, 99603), (35, 99492), (36, 99486),

Gene: Sixama_181 Start: 104842, Stop: 104171, Start Num: 10

Candidate Starts for Sixama_181:

(Start: 10 @104842 has 2 MA's), (13, 104794), (17, 104761), (21, 104719), (23, 104707), (31, 104644), (60, 104236),

Gene: Sixama_69 Start: 28870, Stop: 29544, Start Num: 8

Candidate Starts for Sixama_69:

(5, 28852), (Start: 8 @28870 has 1 MA's), (15, 28936), (21, 28999), (36, 29128), (44, 29251), (45, 29263), (50, 29353), (57, 29425), (61, 29491),

Gene: Talia1610_111 Start: 89241, Stop: 89987, Start Num: 3

Candidate Starts for Talia1610_111:

(1, 89181), (2, 89220), (Start: 3 @89241 has 1 MA's), (4, 89250), (21, 89406), (24, 89436), (42, 89670),
(54, 89847),