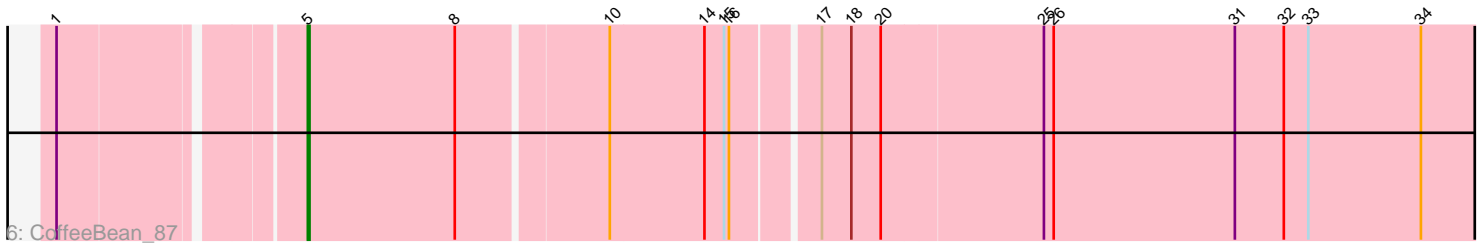
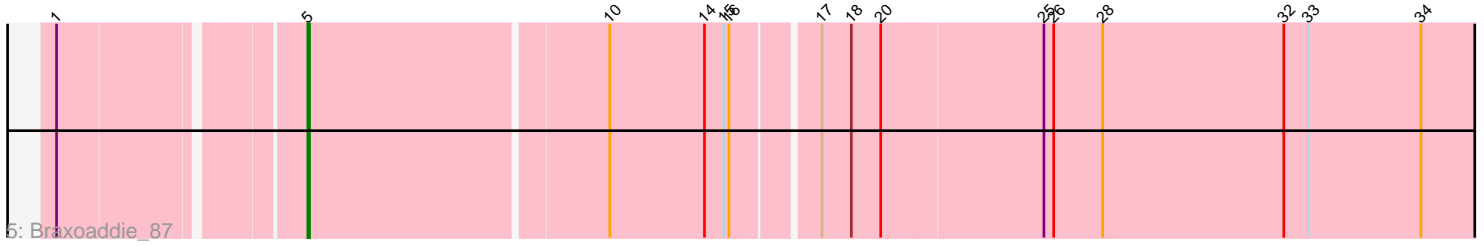
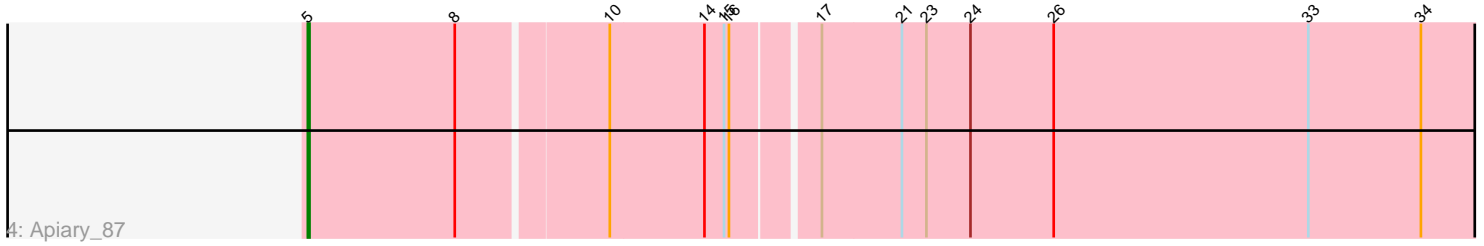
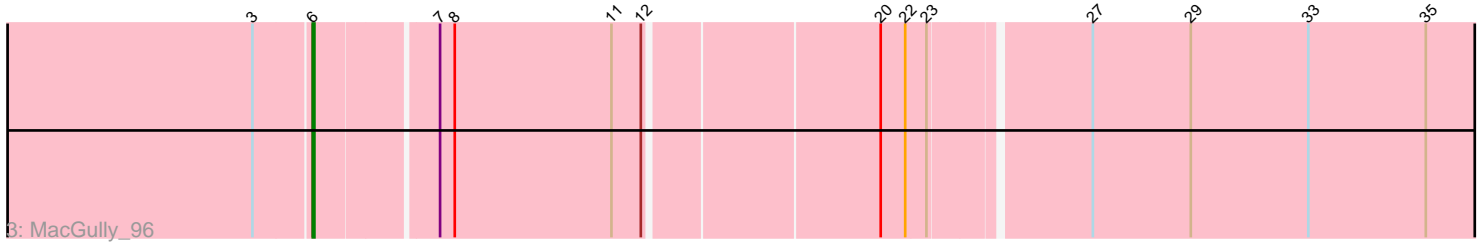
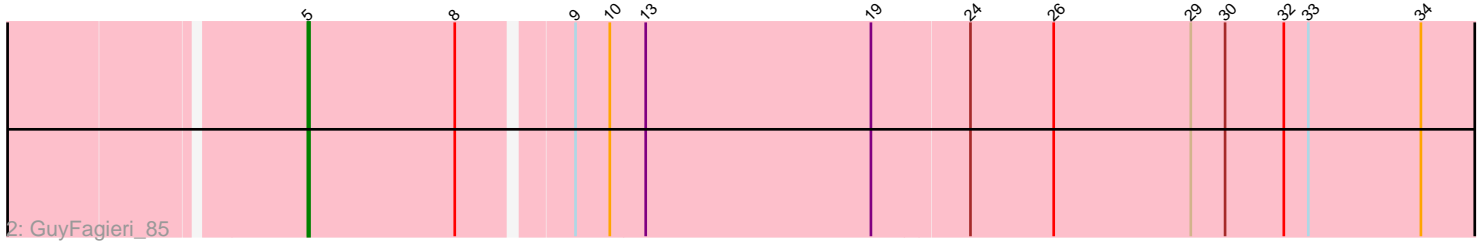
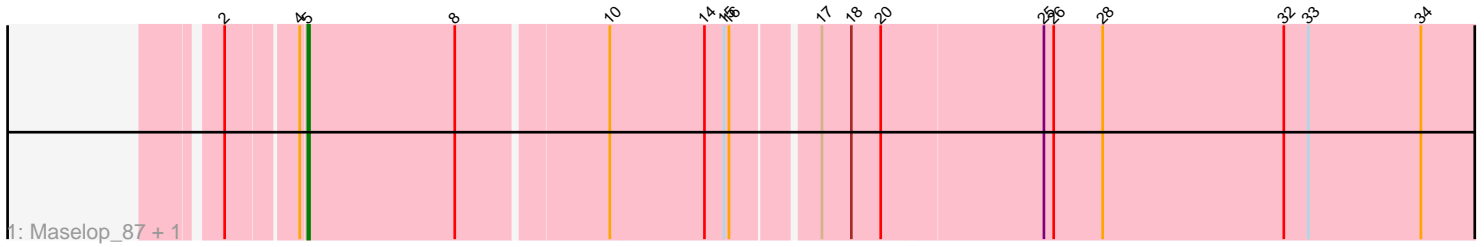


Pham 172065



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 172065 Report

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

Pham number 172065 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Maselop_87, Polyuyuki_86
- Track 2 : GuyFagieri_85
- Track 3 : MacGully_96
- Track 4 : Apiary_87
- Track 5 : Braxoaddie_87
- Track 6 : CoffeeBean_87

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Apiary_87, Braxoaddie_87, CoffeeBean_87, GuyFagieri_85, Maselop_87, Polyuyuki_86,

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

-

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

- MacGully_96,

Summary by start number:

Start 5:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apiary_87 (CR), Braxoaddie_87 (CR), CoffeeBean_87 (CR), GuyFagieri_85 (CR), Maselop_87 (CR), Polyuyuki_86 (CR),

Start 6:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 7

- Called 100.0% of time when present
- Phage (with cluster) where this start called: MacGully_96 (CR),

Summary by clusters:

There is one cluster represented in this pham: CR

Info for manual annotations of cluster CR:

- Start number 5 was manually annotated 6 times for cluster CR.
- Start number 6 was manually annotated 1 time for cluster CR.

Gene Information:

Gene: Apiary_87 Start: 60837, Stop: 61550, Start Num: 5

Candidate Starts for Apiary_87:

(Start: 5 @60837 has 6 MA's), (8, 60927), (10, 61014), (14, 61071), (15, 61083), (16, 61086), (17, 61134), (21, 61182), (23, 61197), (24, 61224), (26, 61275), (33, 61431), (34, 61500),

Gene: Braxoaddie_87 Start: 60838, Stop: 61548, Start Num: 5

Candidate Starts for Braxoaddie_87:

(1, 60703), (Start: 5 @60838 has 6 MA's), (10, 61015), (14, 61072), (15, 61084), (16, 61087), (17, 61135), (18, 61153), (20, 61171), (25, 61267), (26, 61273), (28, 61303), (32, 61414), (33, 61429), (34, 61498),

Gene: CoffeeBean_87 Start: 60796, Stop: 61506, Start Num: 5

Candidate Starts for CoffeeBean_87:

(1, 60661), (Start: 5 @60796 has 6 MA's), (8, 60886), (10, 60973), (14, 61030), (15, 61042), (16, 61045), (17, 61093), (18, 61111), (20, 61129), (25, 61225), (26, 61231), (31, 61342), (32, 61372), (33, 61387), (34, 61456),

Gene: GuyFagieri_85 Start: 60413, Stop: 61129, Start Num: 5

Candidate Starts for GuyFagieri_85:

(Start: 5 @60413 has 6 MA's), (8, 60503), (9, 60566), (10, 60587), (13, 60608), (19, 60746), (24, 60803), (26, 60854), (29, 60938), (30, 60959), (32, 60995), (33, 61010), (34, 61079),

Gene: MacGully_96 Start: 63179, Stop: 63874, Start Num: 6

Candidate Starts for MacGully_96:

(3, 63146), (Start: 6 @63179 has 1 MA's), (7, 63248), (8, 63257), (11, 63353), (12, 63371), (20, 63506), (22, 63521), (23, 63533), (27, 63623), (29, 63683), (33, 63755), (35, 63827),

Gene: Maselop_87 Start: 60846, Stop: 61556, Start Num: 5

Candidate Starts for Maselop_87:

(2, 60804), (4, 60843), (Start: 5 @60846 has 6 MA's), (8, 60936), (10, 61023), (14, 61080), (15, 61092), (16, 61095), (17, 61143), (18, 61161), (20, 61179), (25, 61275), (26, 61281), (28, 61311), (32, 61422), (33, 61437), (34, 61506),

Gene: Polyuyuki_86 Start: 60856, Stop: 61566, Start Num: 5

Candidate Starts for Polyuyuki_86:

(2, 60814), (4, 60853), (Start: 5 @60856 has 6 MA's), (8, 60946), (10, 61033), (14, 61090), (15, 61102), (16, 61105), (17, 61153), (18, 61171), (20, 61189), (25, 61285), (26, 61291), (28, 61321), (32, 61432), (33, 61447), (34, 61516),

