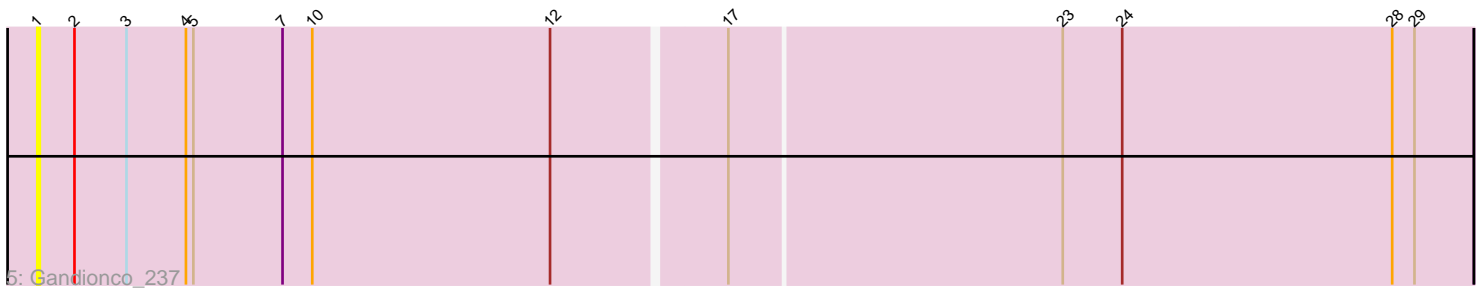
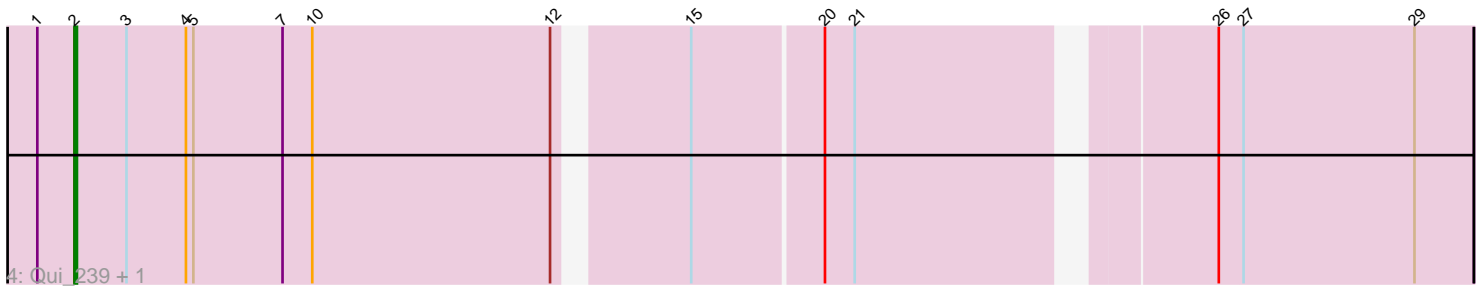
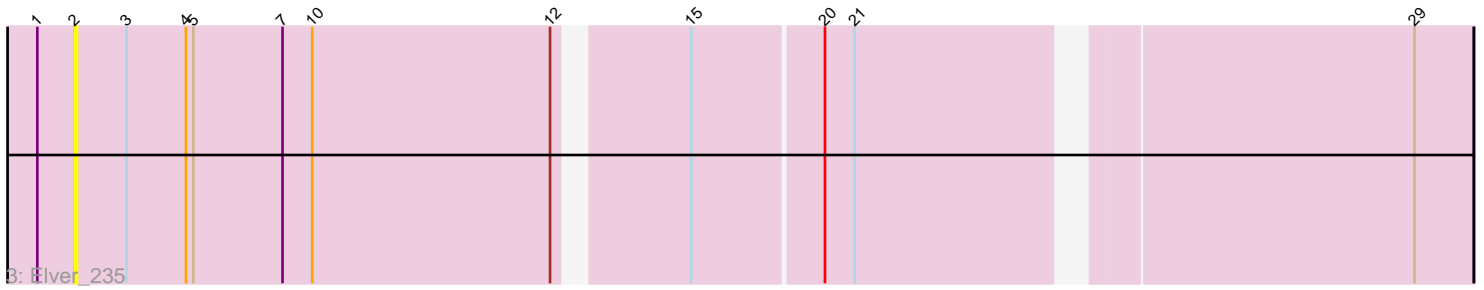
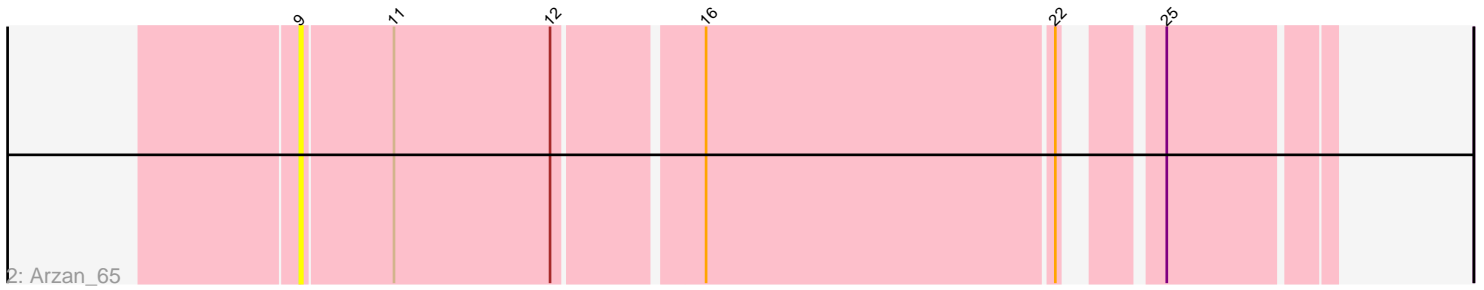
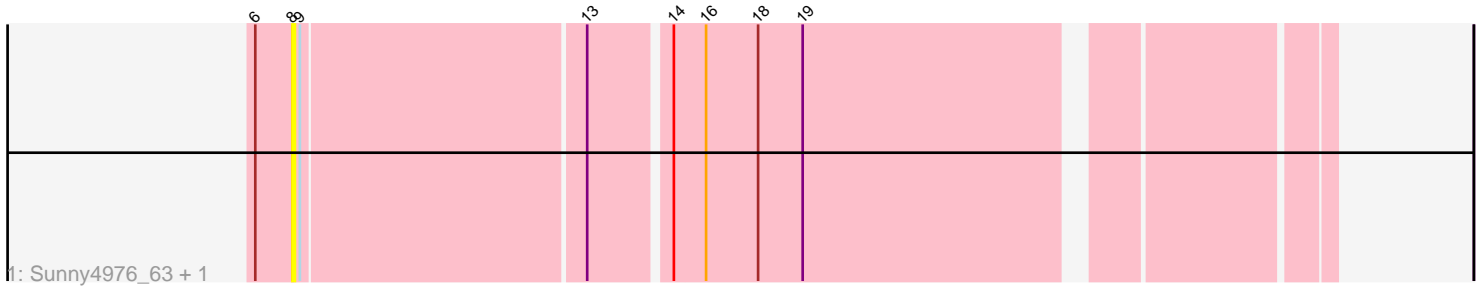


Pham 203657



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 203657 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203657 has 7 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Sunny4976_63, Jazzy4900_64
- Track 2 : Arzan_65
- Track 3 : Elver_235
- Track 4 : Qui_239, Paella_240
- Track 5 : Gandionco_237

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

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

Genes that call this "Most Annotated" start:

- Elver_235, Paella_240, Qui_239,

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

- Gandionco_237,

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

- Arzan_65, Jazzy4900_64, Sunny4976_63,

Summary by start number:

Start 1:

- Found in 4 of 7 (57.1%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Gandionco_237 (FK),

Start 2:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Elver_235 (FK), Paella_240 (FK), Qui_239 (FK),

Start 8:

- Found in 2 of 7 (28.6%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jazzy4900_64 (FI), Sunny4976_63 (FI),

Start 9:

- Found in 3 of 7 (42.9%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Arzan_65 (FI),

Summary by clusters:

There are 2 clusters represented in this pham: FI, FK,

Info for manual annotations of cluster FK:

- Start number 2 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Arzan_65 Start: 43421, Stop: 43801, Start Num: 9

Candidate Starts for Arzan_65:

(9, 43421), (11, 43457), (12, 43520), (16, 43574), (22, 43712), (25, 43739),

Gene: Elver_235 Start: 106600, Stop: 107130, Start Num: 2

Candidate Starts for Elver_235:

(1, 106585), (Start: 2 @106600 has 2 MA's), (3, 106621), (4, 106645), (5, 106648), (7, 106684), (10, 106696), (12, 106792), (15, 106837), (20, 106888), (21, 106900), (29, 107107),

Gene: Gandionco_237 Start: 105943, Stop: 106512, Start Num: 1

Candidate Starts for Gandionco_237:

(1, 105943), (Start: 2 @105958 has 2 MA's), (3, 105979), (4, 106003), (5, 106006), (7, 106042), (10, 106054), (12, 106150), (17, 106216), (23, 106348), (24, 106372), (28, 106480), (29, 106489),

Gene: Jazzy4900_64 Start: 44190, Stop: 44579, Start Num: 8

Candidate Starts for Jazzy4900_64:

(6, 44175), (8, 44190), (9, 44193), (13, 44304), (14, 44334), (16, 44346), (18, 44367), (19, 44385),

Gene: Paella_240 Start: 107737, Stop: 108267, Start Num: 2

Candidate Starts for Paella_240:

(1, 107722), (Start: 2 @107737 has 2 MA's), (3, 107758), (4, 107782), (5, 107785), (7, 107821), (10, 107833), (12, 107929), (15, 107974), (20, 108025), (21, 108037), (26, 108166), (27, 108175), (29, 108244),

Gene: Qui_239 Start: 107725, Stop: 108255, Start Num: 2

Candidate Starts for Qui_239:

(1, 107710), (Start: 2 @107725 has 2 MA's), (3, 107746), (4, 107770), (5, 107773), (7, 107809), (10, 107821), (12, 107917), (15, 107962), (20, 108013), (21, 108025), (26, 108154), (27, 108163), (29,

108232),

Gene: Sunny4976_63 Start: 44190, Stop: 44579, Start Num: 8

Candidate Starts for Sunny4976_63:

(6, 44175), (8, 44190), (9, 44193), (13, 44304), (14, 44334), (16, 44346), (18, 44367), (19, 44385),