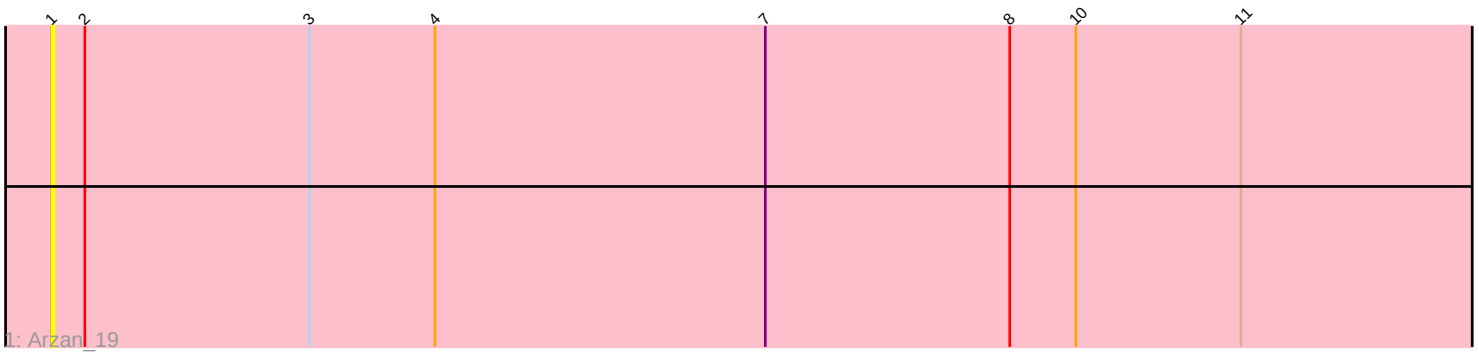
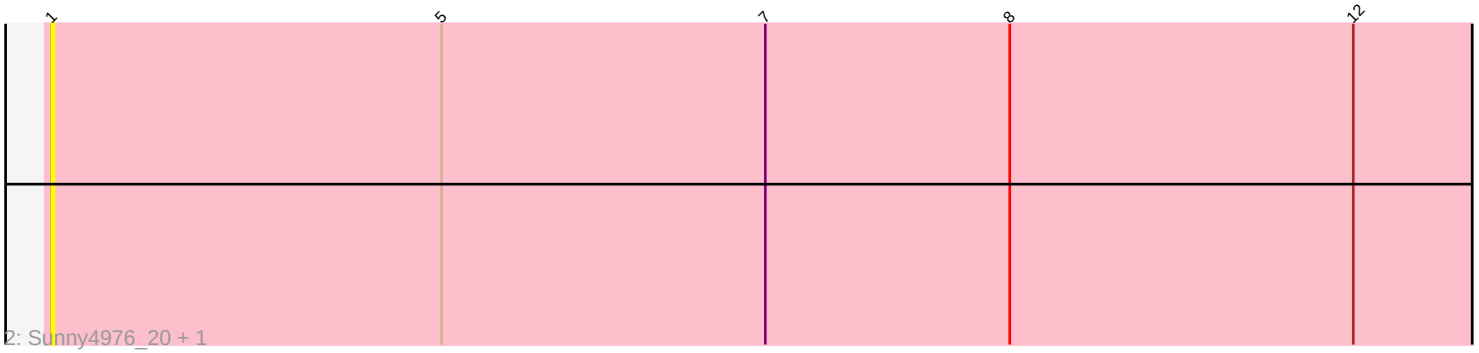
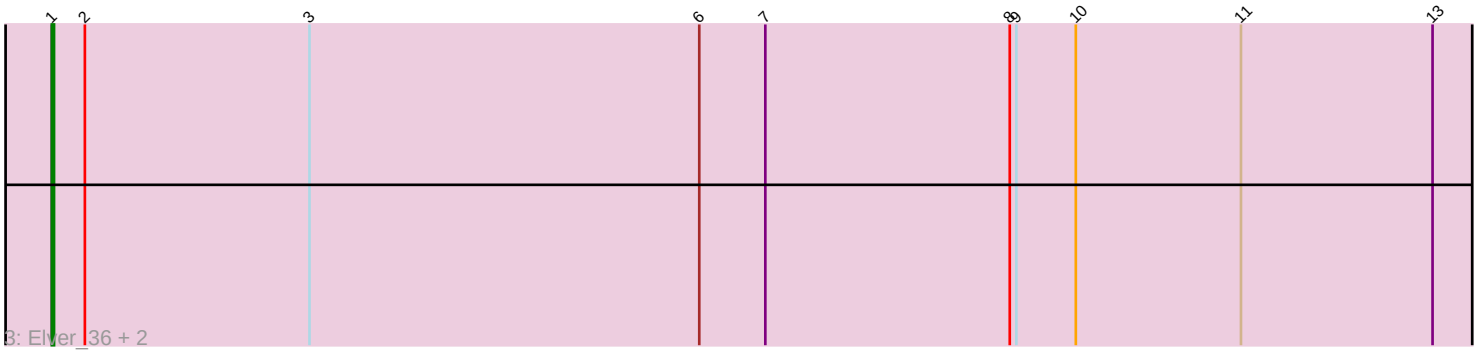
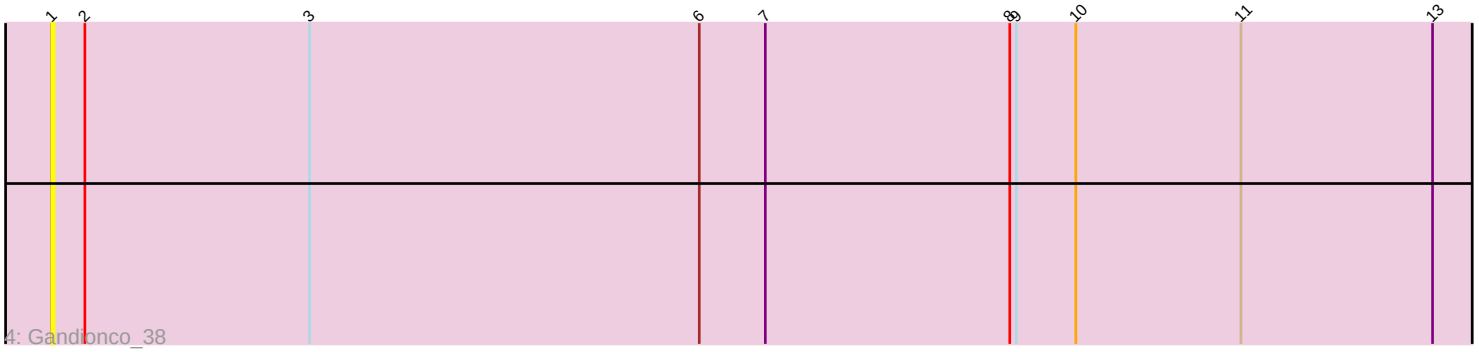
Zoomed Pham 225202









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 225202 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225202 has 7 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Arzan_19
• Track 2 : Sunny4976_20, Jazzy4900_21
• Track 3 : Elver_36, Paella_37, Qui_37
• Track 4 : Gandionco_38

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

The start number called the most often in the published annotations is 1, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arzan_19, Elver_36, Gandionco_38, Jazzy4900_21, Paella_37, Qui_37, Sunny4976_20,

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

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

Summary by start number:

Start 1:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arzan_19 (FI), Elver_36 (FK), Gandionco_38 (FK), Jazzy4900_21 (FI), Paella_37 (FK), Qui_37 (FK), Sunny4976_20 (FI),

Summary by clusters:

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

Info for manual annotations of cluster FK:
•Start number 1 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Arzan_19 Start: 14397, Stop: 15788, Start Num: 1
Candidate Starts for Arzan_19:
(Start: 1 @14397 has 2 MA's), (2, 14412), (3, 14514), (4, 14571), (7, 14721), (8, 14832), (10, 14862), (11, 14937), (14, 15066), (15, 15225), (17, 15465), (19, 15558), (21, 15690),

Gene: Elver_36 Start: 25431, Stop: 26822, Start Num: 1
Candidate Starts for Elver_36:
(Start: 1 @25431 has 2 MA's), (2, 25446), (3, 25548), (6, 25725), (7, 25755), (8, 25866), (9, 25869), (10, 25896), (11, 25971), (13, 26058), (14, 26100), (15, 26259), (16, 26364), (18, 26529), (19, 26592), (20, 26679), (22, 26748),

Gene: Gandionco_38 Start: 25953, Stop: 27344, Start Num: 1
Candidate Starts for Gandionco_38:
(Start: 1 @25953 has 2 MA's), (2, 25968), (3, 26070), (6, 26247), (7, 26277), (8, 26388), (9, 26391), (10, 26418), (11, 26493), (13, 26580), (14, 26622), (15, 26781), (16, 26886), (18, 27051), (19, 27114), (20, 27201), (22, 27270), (23, 27309),

Gene: Jazzy4900_21 Start: 14415, Stop: 15650, Start Num: 1
Candidate Starts for Jazzy4900_21:
(Start: 1 @14415 has 2 MA's), (5, 14592), (7, 14739), (8, 14850), (12, 15006), (19, 15576),

Gene: Paella_37 Start: 25433, Stop: 26824, Start Num: 1
Candidate Starts for Paella_37:
(Start: 1 @25433 has 2 MA's), (2, 25448), (3, 25550), (6, 25727), (7, 25757), (8, 25868), (9, 25871), (10, 25898), (11, 25973), (13, 26060), (14, 26102), (15, 26261), (16, 26366), (18, 26531), (19, 26594), (20, 26681), (22, 26750),

Gene: Qui_37 Start: 25433, Stop: 26824, Start Num: 1
Candidate Starts for Qui_37:
(Start: 1 @25433 has 2 MA's), (2, 25448), (3, 25550), (6, 25727), (7, 25757), (8, 25868), (9, 25871), (10, 25898), (11, 25973), (13, 26060), (14, 26102), (15, 26261), (16, 26366), (18, 26531), (19, 26594), (20, 26681), (22, 26750),

Gene: Sunny4976_20 Start: 14415, Stop: 15650, Start Num: 1
Candidate Starts for Sunny4976_20:
(Start: 1 @14415 has 2 MA's), (5, 14592), (7, 14739), (8, 14850), (12, 15006), (19, 15576),