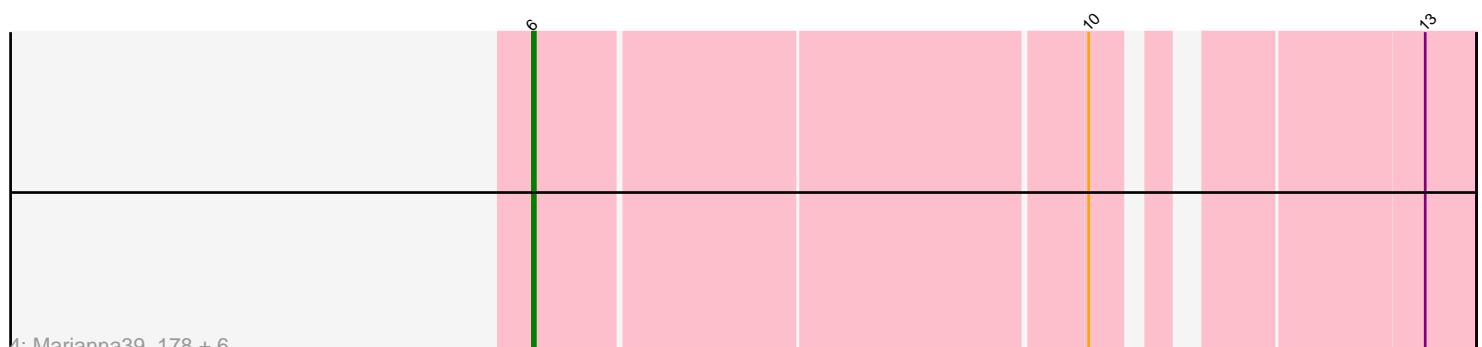
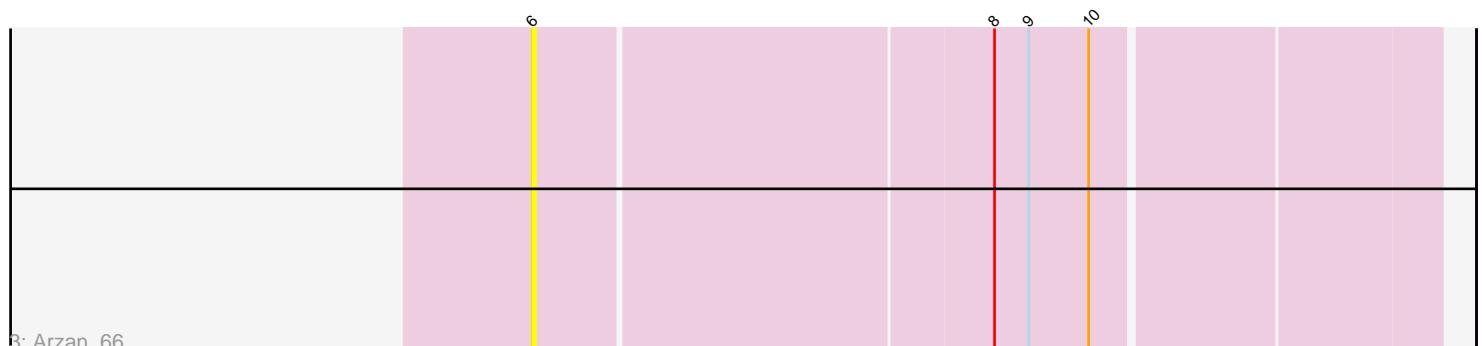
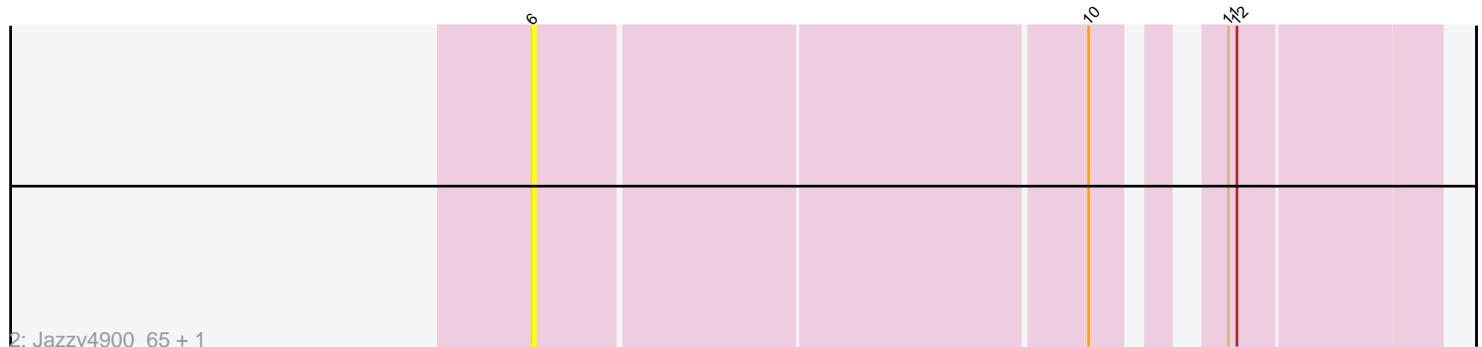
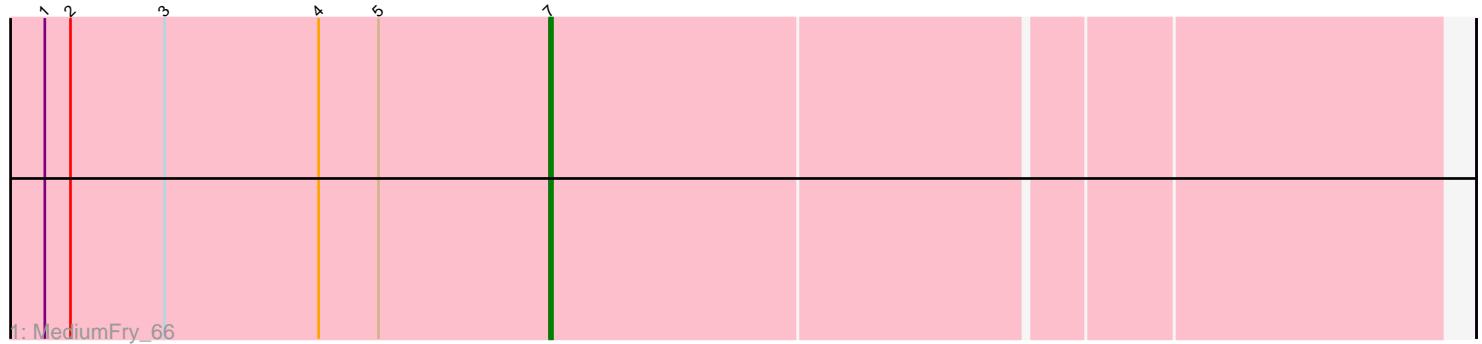


Pham 281078



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 281078 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281078 has 11 members, 7 are drafts.

Phages represented in each track:

- Track 1 : MediumFry_66
- Track 2 : Jazzy4900_65, Sunny4976_64
- Track 3 : Arzan_66
- Track 4 : Marianna39_178, Gandionco_179, Paella_181, Qui_181, JeNeSaisPas_175, Elver_180, Kureo_178

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

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

Genes that call this "Most Annotated" start:

- Arzan_66, Elver_180, Gandionco_179, Jazzy4900_65, JeNeSaisPas_175, Kureo_178, Marianna39_178, Paella_181, Qui_181, Sunny4976_64,

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

-

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

- MediumFry_66,

Summary by start number:

Start 6:

- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arzan_66 (FI), Elver_180 (FK), Gandionco_179 (FK), Jazzy4900_65 (FI), JeNeSaisPas_175 (FK), Kureo_178 (FK), Marianna39_178 (FK), Paella_181 (FK), Qui_181 (FK), Sunny4976_64 (FI),

Start 7:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 4

- Called 100.0% of time when present
- Phage (with cluster) where this start called: MediumFry_66 (AU4),

Summary by clusters:

There are 3 clusters represented in this pham: FI, FK, AU4,

Info for manual annotations of cluster AU4:

- Start number 7 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster FK:

- Start number 6 was manually annotated 3 times for cluster FK.

Gene Information:

Gene: Arzan_66 Start: 43794, Stop: 44099, Start Num: 6

Candidate Starts for Arzan_66:

(Start: 6 @43794 has 3 MA's), (8, 43950), (9, 43962), (10, 43983),

Gene: Elver_180 Start: 88404, Stop: 88703, Start Num: 6

Candidate Starts for Elver_180:

(Start: 6 @88404 has 3 MA's), (10, 88590), (13, 88686),

Gene: Gandionco_179 Start: 87798, Stop: 88097, Start Num: 6

Candidate Starts for Gandionco_179:

(Start: 6 @87798 has 3 MA's), (10, 87984), (13, 88080),

Gene: Jazzy4900_65 Start: 44572, Stop: 44859, Start Num: 6

Candidate Starts for Jazzy4900_65:

(Start: 6 @44572 has 3 MA's), (10, 44758), (11, 44788), (12, 44791),

Gene: JeNeSaisPas_175 Start: 88525, Stop: 88824, Start Num: 6

Candidate Starts for JeNeSaisPas_175:

(Start: 6 @88525 has 3 MA's), (10, 88711), (13, 88807),

Gene: Kureo_178 Start: 87235, Stop: 87534, Start Num: 6

Candidate Starts for Kureo_178:

(Start: 6 @87235 has 3 MA's), (10, 87421), (13, 87517),

Gene: Marianna39_178 Start: 88401, Stop: 88700, Start Num: 6

Candidate Starts for Marianna39_178:

(Start: 6 @88401 has 3 MA's), (10, 88587), (13, 88683),

Gene: MediumFry_66 Start: 45539, Stop: 45841, Start Num: 7

Candidate Starts for MediumFry_66:

(1, 45362), (2, 45371), (3, 45404), (4, 45458), (5, 45479), (Start: 7 @45539 has 1 MA's),

Gene: Paella_181 Start: 89280, Stop: 89579, Start Num: 6

Candidate Starts for Paella_181:

(Start: 6 @89280 has 3 MA's), (10, 89466), (13, 89562),

Gene: Qui_181 Start: 89277, Stop: 89576, Start Num: 6

Candidate Starts for Qui_181:

(Start: 6 @89277 has 3 MA's), (10, 89463), (13, 89559),

Gene: Sunny4976_64 Start: 44572, Stop: 44859, Start Num: 6

Candidate Starts for Sunny4976_64:

(Start: 6 @44572 has 3 MA's), (10, 44758), (11, 44788), (12, 44791),