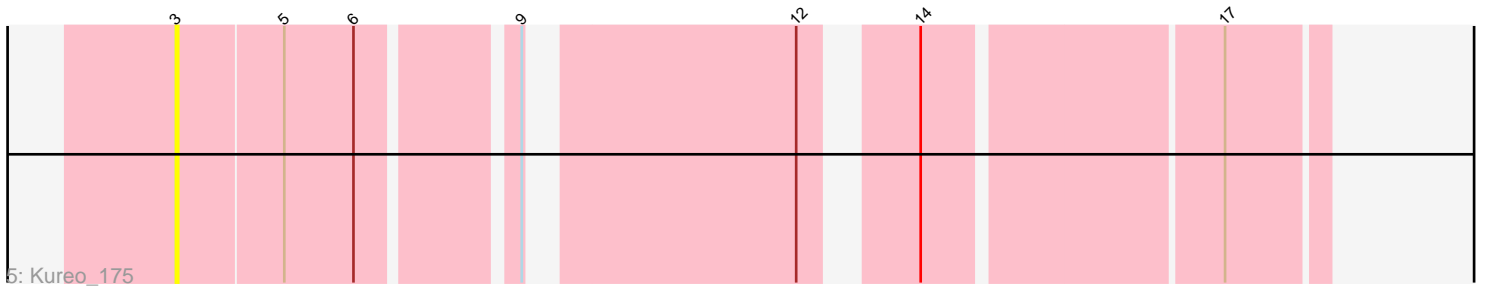
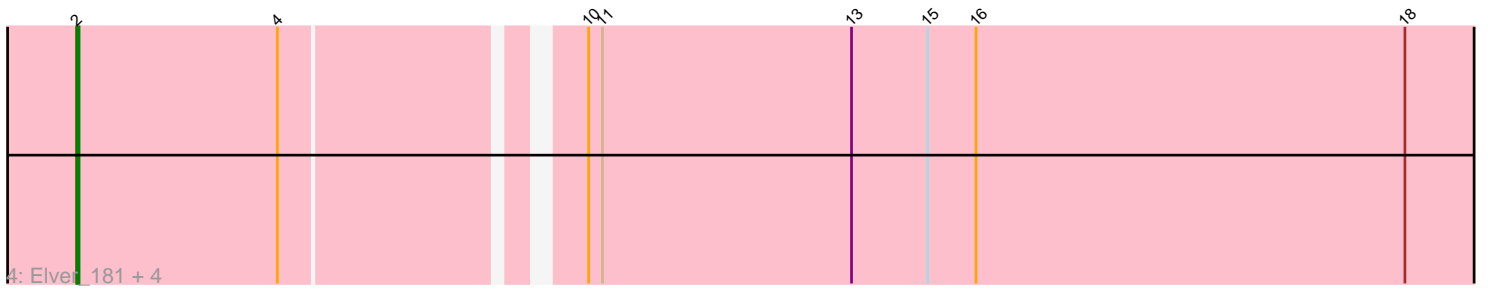
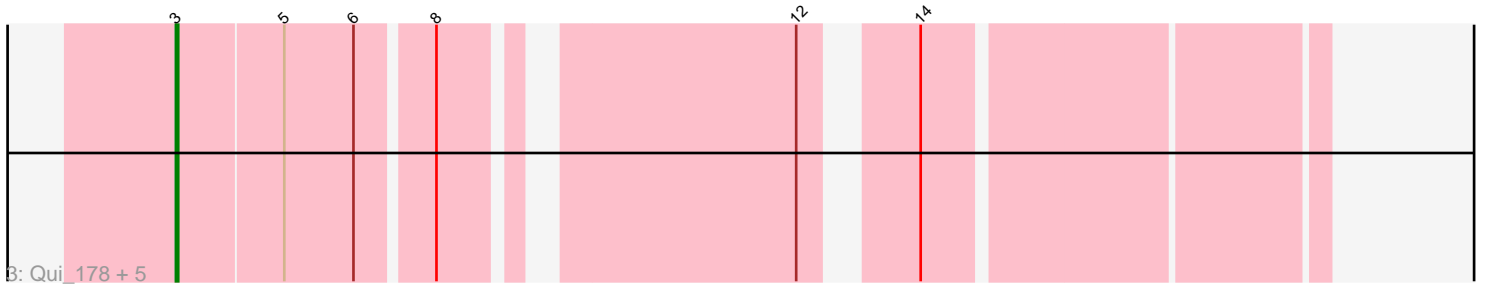
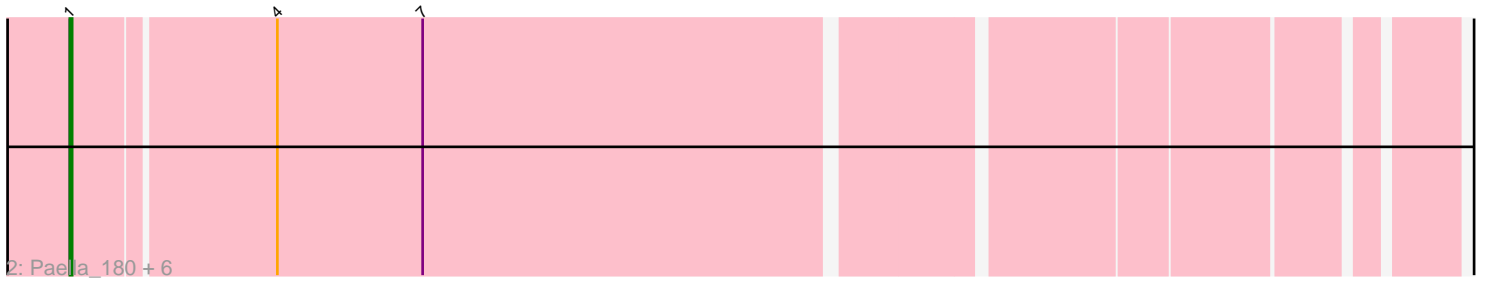
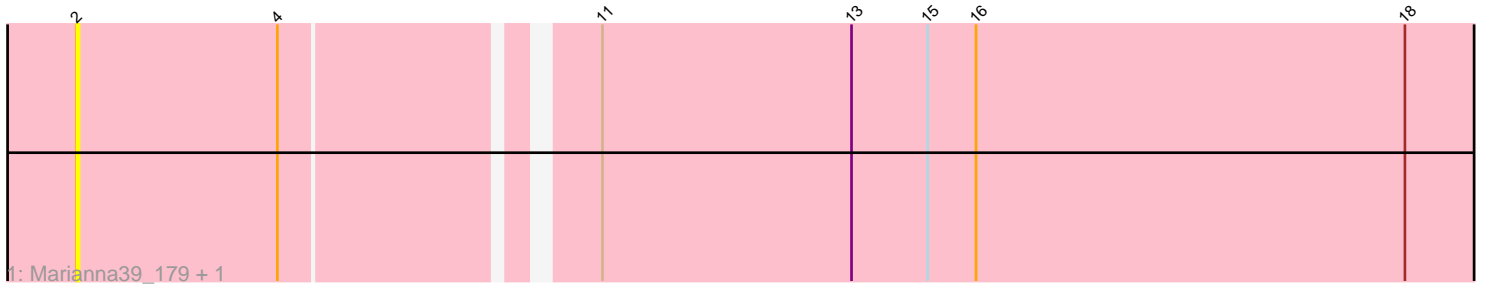


Pham 309282



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 309282 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309282 has 21 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Marianna39_179, Gandionco_180
- Track 2 : Paella_180, Gandionco_178, Elver_179, Kureo_177, Marianna39_177, JeNeSaisPas_174, Qui_180
- Track 3 : Qui_178, JeNeSaisPas_172, Marianna39_175, Gandionco_175, Paella_178, Elver_177
- Track 4 : Elver_181, Paella_182, JeNeSaisPas_176, Qui_182, Kureo_179
- Track 5 : Kureo_175

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

The start number called the most often in the published annotations is 3, it was called in 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Elver_177, Gandionco_175, JeNeSaisPas_172, Kureo_175, Marianna39_175, Paella_178, Qui_178,

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

-

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

- Elver_179, Elver_181, Gandionco_178, Gandionco_180, JeNeSaisPas_174, JeNeSaisPas_176, Kureo_177, Kureo_179, Marianna39_177, Marianna39_179, Paella_180, Paella_182, Qui_180, Qui_182,

Summary by start number:

Start 1:

- Found in 7 of 21 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elver_179 (FK), Gandionco_178 (FK), JeNeSaisPas_174 (FK), Kureo_177 (FK), Marianna39_177 (FK), Paella_180 (FK), Qui_180 (FK),

Start 2:

- Found in 7 of 21 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elver_181 (FK), Gandionco_180 (FK), JeNeSaisPas_176 (FK), Kureo_179 (FK), Marianna39_179 (FK), Paella_182 (FK), Qui_182 (FK),

Start 3:

- Found in 7 of 21 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elver_177 (FK), Gandionco_175 (FK), JeNeSaisPas_172 (FK), Kureo_175 (FK), Marianna39_175 (FK), Paella_178 (FK), Qui_178 (FK),

Summary by clusters:

There is one cluster represented in this pham: FK

Info for manual annotations of cluster FK:

- Start number 1 was manually annotated 3 times for cluster FK.
- Start number 2 was manually annotated 3 times for cluster FK.
- Start number 3 was manually annotated 3 times for cluster FK.

Gene Information:

Gene: Elver_181 Start: 88700, Stop: 89362, Start Num: 2

Candidate Starts for Elver_181:

(Start: 2 @88700 has 3 MA's), (4, 88787), (10, 88901), (11, 88907), (13, 89015), (15, 89048), (16, 89069), (18, 89255),

Gene: Elver_179 Start: 87817, Stop: 88377, Start Num: 1

Candidate Starts for Elver_179:

(Start: 1 @87817 has 3 MA's), (4, 87901), (7, 87964),

Gene: Elver_177 Start: 87094, Stop: 87528, Start Num: 3

Candidate Starts for Elver_177:

(Start: 3 @87094 has 3 MA's), (5, 87139), (6, 87169), (8, 87199), (12, 87331), (14, 87367),

Gene: Gandionco_180 Start: 88094, Stop: 88756, Start Num: 2

Candidate Starts for Gandionco_180:

(Start: 2 @88094 has 3 MA's), (4, 88181), (11, 88301), (13, 88409), (15, 88442), (16, 88463), (18, 88649),

Gene: Gandionco_178 Start: 87211, Stop: 87771, Start Num: 1

Candidate Starts for Gandionco_178:

(Start: 1 @87211 has 3 MA's), (4, 87295), (7, 87358),

Gene: Gandionco_175 Start: 86487, Stop: 86921, Start Num: 3

Candidate Starts for Gandionco_175:
(Start: 3 @86487 has 3 MA's), (5, 86532), (6, 86562), (8, 86592), (12, 86724), (14, 86760),

Gene: JeNeSaisPas_172 Start: 87215, Stop: 87649, Start Num: 3
Candidate Starts for JeNeSaisPas_172:
(Start: 3 @87215 has 3 MA's), (5, 87260), (6, 87290), (8, 87320), (12, 87452), (14, 87488),

Gene: JeNeSaisPas_176 Start: 88821, Stop: 89483, Start Num: 2
Candidate Starts for JeNeSaisPas_176:
(Start: 2 @88821 has 3 MA's), (4, 88908), (10, 89022), (11, 89028), (13, 89136), (15, 89169), (16, 89190), (18, 89376),

Gene: JeNeSaisPas_174 Start: 87938, Stop: 88498, Start Num: 1
Candidate Starts for JeNeSaisPas_174:
(Start: 1 @87938 has 3 MA's), (4, 88022), (7, 88085),

Gene: Kureo_177 Start: 86648, Stop: 87208, Start Num: 1
Candidate Starts for Kureo_177:
(Start: 1 @86648 has 3 MA's), (4, 86732), (7, 86795),

Gene: Kureo_175 Start: 85925, Stop: 86359, Start Num: 3
Candidate Starts for Kureo_175:
(Start: 3 @85925 has 3 MA's), (5, 85970), (6, 86000), (9, 86060), (12, 86162), (14, 86198), (17, 86318),

Gene: Kureo_179 Start: 87531, Stop: 88193, Start Num: 2
Candidate Starts for Kureo_179:
(Start: 2 @87531 has 3 MA's), (4, 87618), (10, 87732), (11, 87738), (13, 87846), (15, 87879), (16, 87900), (18, 88086),

Gene: Marianna39_179 Start: 88697, Stop: 89359, Start Num: 2
Candidate Starts for Marianna39_179:
(Start: 2 @88697 has 3 MA's), (4, 88784), (11, 88904), (13, 89012), (15, 89045), (16, 89066), (18, 89252),

Gene: Marianna39_175 Start: 87092, Stop: 87526, Start Num: 3
Candidate Starts for Marianna39_175:
(Start: 3 @87092 has 3 MA's), (5, 87137), (6, 87167), (8, 87197), (12, 87329), (14, 87365),

Gene: Marianna39_177 Start: 87814, Stop: 88374, Start Num: 1
Candidate Starts for Marianna39_177:
(Start: 1 @87814 has 3 MA's), (4, 87898), (7, 87961),

Gene: Paella_180 Start: 88693, Stop: 89253, Start Num: 1
Candidate Starts for Paella_180:
(Start: 1 @88693 has 3 MA's), (4, 88777), (7, 88840),

Gene: Paella_182 Start: 89576, Stop: 90238, Start Num: 2
Candidate Starts for Paella_182:
(Start: 2 @89576 has 3 MA's), (4, 89663), (10, 89777), (11, 89783), (13, 89891), (15, 89924), (16, 89945), (18, 90131),

Gene: Paella_178 Start: 87968, Stop: 88402, Start Num: 3
Candidate Starts for Paella_178:

(Start: 3 @87968 has 3 MA's), (5, 88013), (6, 88043), (8, 88073), (12, 88205), (14, 88241),

Gene: Qui_178 Start: 87966, Stop: 88400, Start Num: 3

Candidate Starts for Qui_178:

(Start: 3 @87966 has 3 MA's), (5, 88011), (6, 88041), (8, 88071), (12, 88203), (14, 88239),

Gene: Qui_182 Start: 89573, Stop: 90235, Start Num: 2

Candidate Starts for Qui_182:

(Start: 2 @89573 has 3 MA's), (4, 89660), (10, 89774), (11, 89780), (13, 89888), (15, 89921), (16, 89942), (18, 90128),

Gene: Qui_180 Start: 88690, Stop: 89250, Start Num: 1

Candidate Starts for Qui_180:

(Start: 1 @88690 has 3 MA's), (4, 88774), (7, 88837),