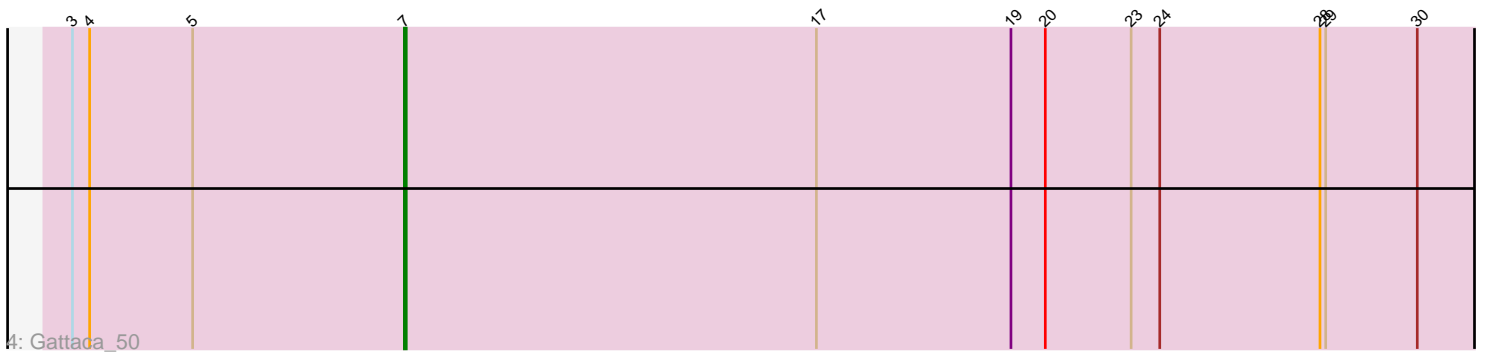
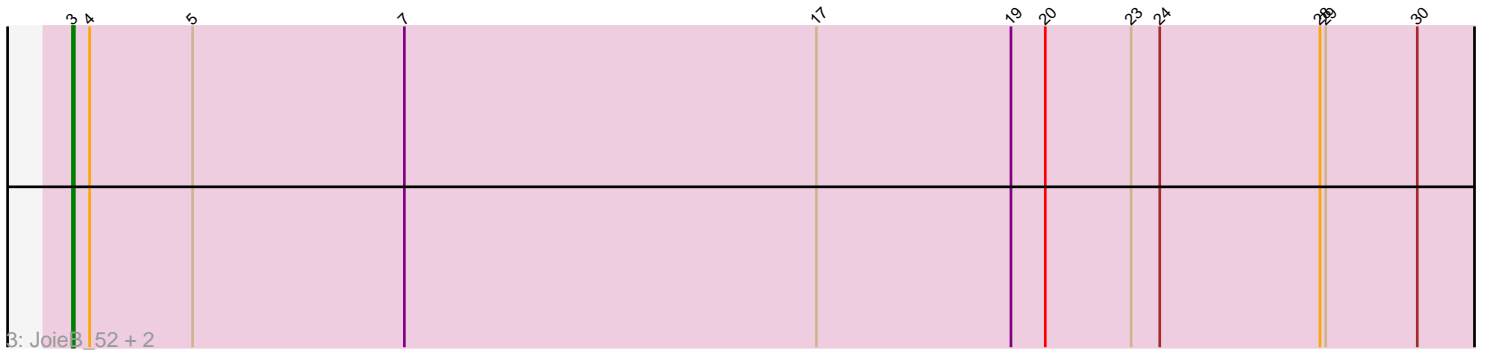
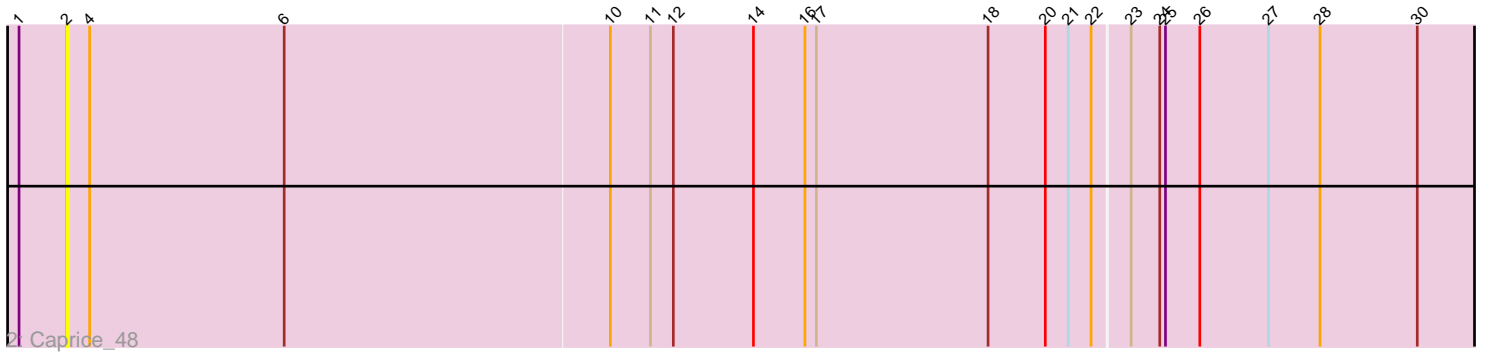
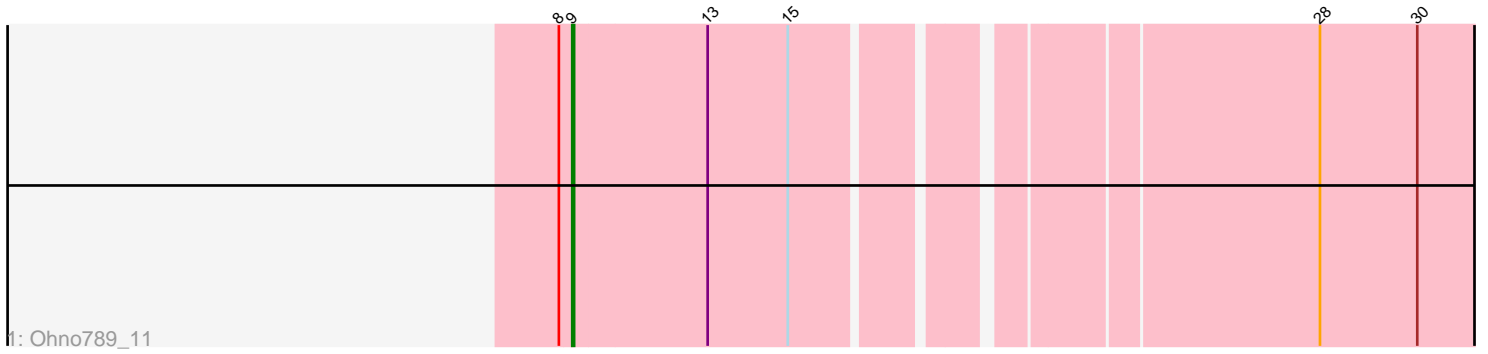


Pham 190451



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 190451 Report

This analysis was run 11/02/24 on database version 579.

Pham number 190451 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Ohno789_11
- Track 2 : Caprice_48
- Track 3 : JoieB_52, Corazon_49, MosMoris_49
- Track 4 : Gattaca_50

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 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Corazon_49, JoieB_52, MosMoris_49,

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

- Gattaca_50,

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

- Caprice_48, Ohno789_11,

Summary by start number:

Start 2:

- Found in 1 of 6 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Caprice_48 (S),

Start 3:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Corazon_49 (S), JoieB_52 (S), MosMoris_49 (S),

Start 7:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Gattaca_50 (S),

Start 9:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ohno789_11 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, S,

Info for manual annotations of cluster A1:

- Start number 9 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster S:

- Start number 3 was manually annotated 3 times for cluster S.
- Start number 7 was manually annotated 1 time for cluster S.

Gene Information:

Gene: Caprice_48 Start: 28531, Stop: 29262, Start Num: 2

Candidate Starts for Caprice_48:

(1, 28507), (2, 28531), (4, 28543), (6, 28645), (10, 28813), (11, 28834), (12, 28846), (14, 28888), (16, 28915), (17, 28921), (18, 29011), (20, 29041), (21, 29053), (22, 29065), (23, 29083), (24, 29098), (25, 29101), (26, 29119), (27, 29155), (28, 29182), (30, 29233),

Gene: Corazon_49 Start: 29081, Stop: 29815, Start Num: 3

Candidate Starts for Corazon_49:

(Start: 3 @29081 has 3 MA's), (4, 29090), (5, 29144), (Start: 7 @29255 has 1 MA's), (17, 29471), (19, 29573), (20, 29591), (23, 29636), (24, 29651), (28, 29735), (29, 29738), (30, 29786),

Gene: Gattaca_50 Start: 28482, Stop: 29042, Start Num: 7

Candidate Starts for Gattaca_50:

(Start: 3 @28308 has 3 MA's), (4, 28317), (5, 28371), (Start: 7 @28482 has 1 MA's), (17, 28698), (19, 28800), (20, 28818), (23, 28863), (24, 28878), (28, 28962), (29, 28965), (30, 29013),

Gene: JoieB_52 Start: 29125, Stop: 29859, Start Num: 3

Candidate Starts for JoieB_52:

(Start: 3 @29125 has 3 MA's), (4, 29134), (5, 29188), (Start: 7 @29299 has 1 MA's), (17, 29515), (19, 29617), (20, 29635), (23, 29680), (24, 29695), (28, 29779), (29, 29782), (30, 29830),

Gene: MosMoris_49 Start: 28308, Stop: 29042, Start Num: 3

Candidate Starts for MosMoris_49:

(Start: 3 @28308 has 3 MA's), (4, 28317), (5, 28371), (Start: 7 @28482 has 1 MA's), (17, 28698), (19, 28800), (20, 28818), (23, 28863), (24, 28878), (28, 28962), (29, 28965), (30, 29013),

Gene: Ohno789_11 Start: 8090, Stop: 8548, Start Num: 9

Candidate Starts for Ohno789_11:

(8, 8084), (Start: 9 @8090 has 1 MA's), (13, 8159), (15, 8201), (28, 8447), (30, 8498),