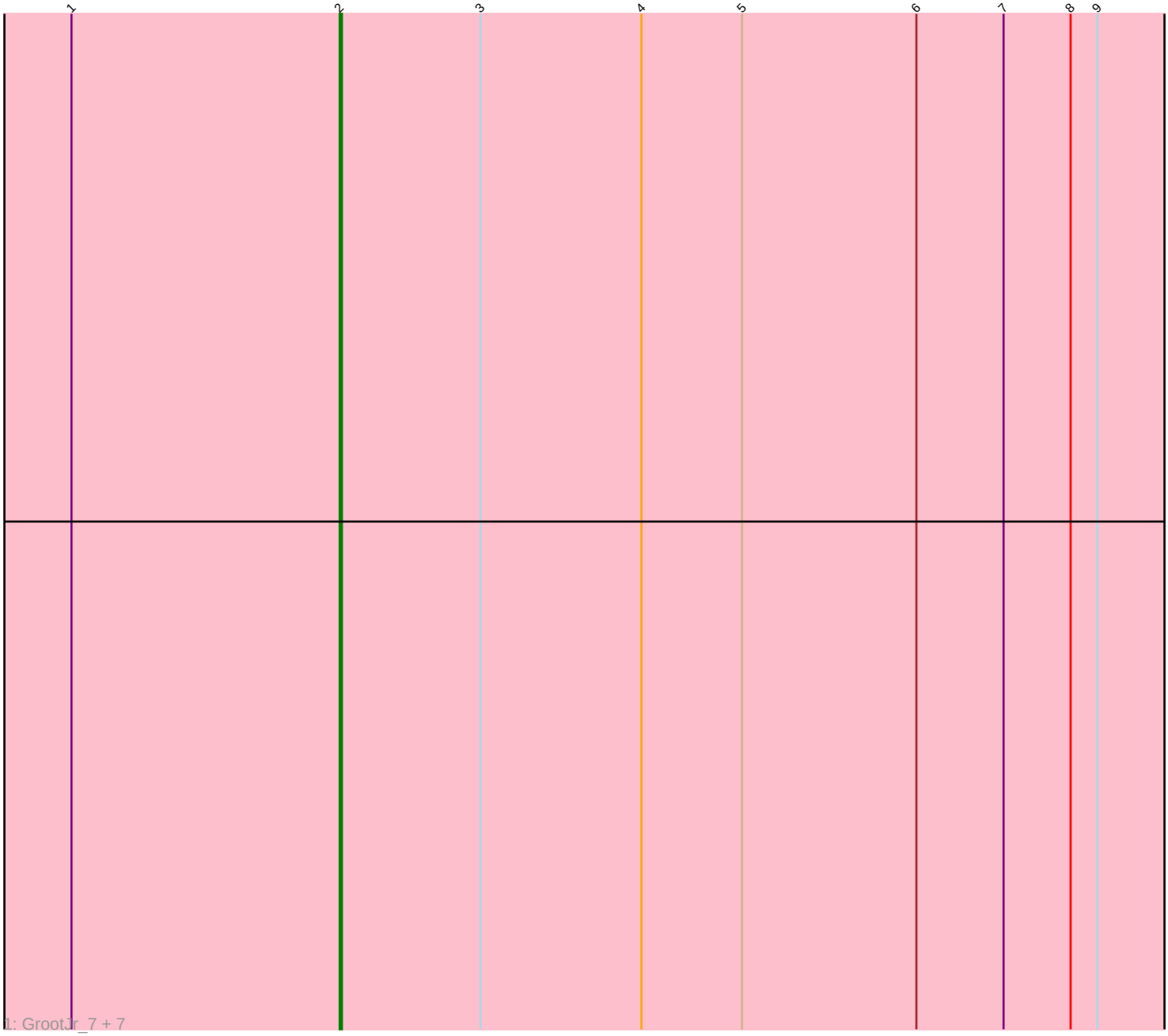
Pham 6186



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 6186 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6186 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : GrootJr_7, Tracker_5, NovumRegina_6, NatB6_6, Jifall16_5, Wheezy_5, KidneyBean_5, Arti_5

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arti_5, GrootJr_7, Jifall16_5, KidneyBean_5, NatB6_6, NovumRegina_6, Tracker_5, Wheezy_5,

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 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arti_5 (CR2), GrootJr_7 (CR2), Jifall16_5 (CR2), KidneyBean_5 (CR2), NatB6_6 (CR2), NovumRegina_6 (CR2), Tracker_5 (CR2), Wheezy_5 (CR2),

Summary by clusters:

There is one cluster represented in this pham: CR2

Info for manual annotations of cluster CR2:
•Start number 2 was manually annotated 8 times for cluster CR2.

Gene Information:

Gene: Arti_5 Start: 4413, Stop: 4790, Start Num: 2
Candidate Starts for Arti_5:
(1, 4293), (Start: 2 @4413 has 8 MA's), (3, 4476), (4, 4548), (5, 4593), (6, 4671), (7, 4710), (8, 4740), (9, 4752),

Gene: GrootJr_7 Start: 4808, Stop: 5185, Start Num: 2
Candidate Starts for GrootJr_7:
(1, 4688), (Start: 2 @4808 has 8 MA's), (3, 4871), (4, 4943), (5, 4988), (6, 5066), (7, 5105), (8, 5135), (9, 5147),

Gene: Jifall16_5 Start: 4206, Stop: 4583, Start Num: 2
Candidate Starts for Jifall16_5:
(1, 4086), (Start: 2 @4206 has 8 MA's), (3, 4269), (4, 4341), (5, 4386), (6, 4464), (7, 4503), (8, 4533), (9, 4545),

Gene: KidneyBean_5 Start: 4204, Stop: 4581, Start Num: 2
Candidate Starts for KidneyBean_5:
(1, 4084), (Start: 2 @4204 has 8 MA's), (3, 4267), (4, 4339), (5, 4384), (6, 4462), (7, 4501), (8, 4531), (9, 4543),

Gene: NatB6_6 Start: 4813, Stop: 5190, Start Num: 2
Candidate Starts for NatB6_6:
(1, 4693), (Start: 2 @4813 has 8 MA's), (3, 4876), (4, 4948), (5, 4993), (6, 5071), (7, 5110), (8, 5140), (9, 5152),

Gene: NovumRegina_6 Start: 4808, Stop: 5185, Start Num: 2
Candidate Starts for NovumRegina_6:
(1, 4688), (Start: 2 @4808 has 8 MA's), (3, 4871), (4, 4943), (5, 4988), (6, 5066), (7, 5105), (8, 5135), (9, 5147),

Gene: Tracker_5 Start: 4179, Stop: 4556, Start Num: 2
Candidate Starts for Tracker_5:
(1, 4059), (Start: 2 @4179 has 8 MA's), (3, 4242), (4, 4314), (5, 4359), (6, 4437), (7, 4476), (8, 4506), (9, 4518),

Gene: Wheezy_5 Start: 4425, Stop: 4802, Start Num: 2
Candidate Starts for Wheezy_5:
(1, 4305), (Start: 2 @4425 has 8 MA's), (3, 4488), (4, 4560), (5, 4605), (6, 4683), (7, 4722), (8, 4752), (9, 4764),