Pham 8514

1: Vorvolakos_87 + 5

2: Dennebes_90

3: Rideau_91
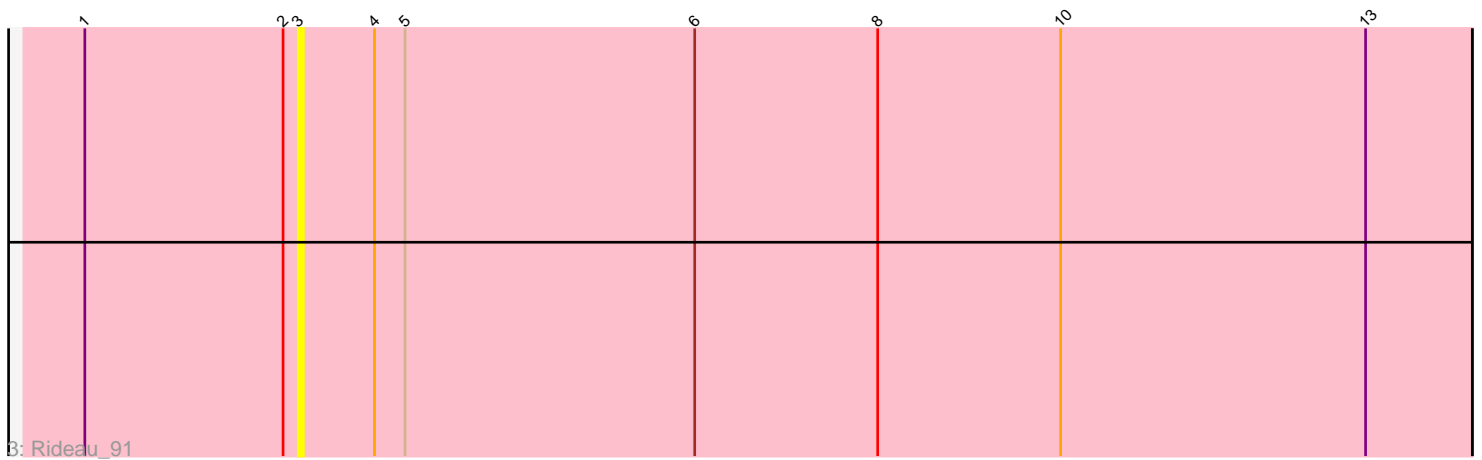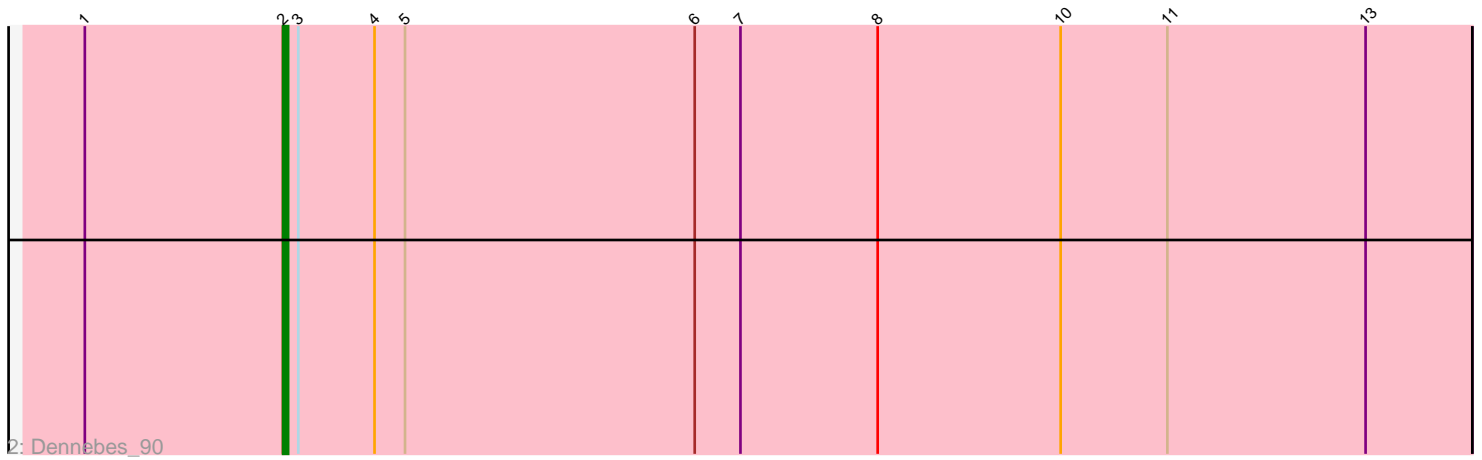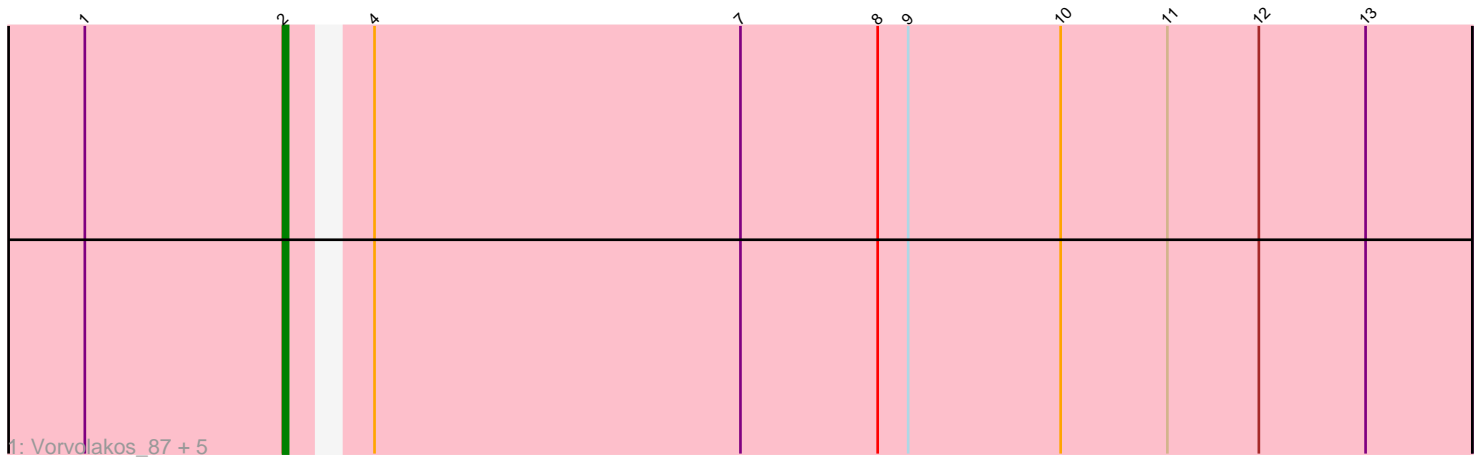
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 8514 Report

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

Pham number 8514 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Vorvolakos_87, Gremlin23_86, Fabian_85, FlowerPower_86, RetrieverFever_86, Geostin_81
• Track 2 : Dennebes_90
• Track 3 : Rideau_91

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dennebes_90, Fabian_85, FlowerPower_86, Geostin_81, Gremlin23_86, RetrieverFever_86, Vorvolakos_87,

Genes that have the "Most Annotated" start but do not call it:
• Rideau_91,

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: 6 of 6
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Dennebes_90 (BF), Fabian_85 (BF), FlowerPower_86 (BF), Geostin_81 (BF), Gremlin23_86 (BF), RetrieverFever_86 (BF), Vorvolakos_87 (BF),

Start 3:
• Found in 2 of 8 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present

• Phage (with cluster) where this start called: Rideau_91 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:
•Start number 2 was manually annotated 6 times for cluster BF.

Gene Information:
Gene: Dennebes_90 Start: 44480, Stop: 44247, Start Num: 2
Candidate Starts for Dennebes_90:
(1, 44519), (Start: 2 @44480 has 6 MA's), (3, 44477), (4, 44462), (5, 44456), (6, 44399), (7, 44390), (8, 44363), (10, 44327), (11, 44306), (13, 44267),

Gene: Fabian_85 Start: 44867, Stop: 44640, Start Num: 2
Candidate Starts for Fabian_85:
(1, 44906), (Start: 2 @44867 has 6 MA's), (4, 44855), (7, 44783), (8, 44756), (9, 44750), (10, 44720), (11, 44699), (12, 44681), (13, 44660),

Gene: FlowerPower_86 Start: 44495, Stop: 44268, Start Num: 2
Candidate Starts for FlowerPower_86:
(1, 44534), (Start: 2 @44495 has 6 MA's), (4, 44483), (7, 44411), (8, 44384), (9, 44378), (10, 44348), (11, 44327), (12, 44309), (13, 44288),

Gene: Geostin_81 Start: 44537, Stop: 44310, Start Num: 2
Candidate Starts for Geostin_81:
(1, 44576), (Start: 2 @44537 has 6 MA's), (4, 44525), (7, 44453), (8, 44426), (9, 44420), (10, 44390), (11, 44369), (12, 44351), (13, 44330),

Gene: Gremlin23_86 Start: 44537, Stop: 44310, Start Num: 2
Candidate Starts for Gremlin23_86:
(1, 44576), (Start: 2 @44537 has 6 MA's), (4, 44525), (7, 44453), (8, 44426), (9, 44420), (10, 44390), (11, 44369), (12, 44351), (13, 44330),

Gene: RetrieverFever_86 Start: 44537, Stop: 44310, Start Num: 2
Candidate Starts for RetrieverFever_86:
(1, 44576), (Start: 2 @44537 has 6 MA's), (4, 44525), (7, 44453), (8, 44426), (9, 44420), (10, 44390), (11, 44369), (12, 44351), (13, 44330),

Gene: Rideau_91 Start: 44368, Stop: 44138, Start Num: 3
Candidate Starts for Rideau_91:
(1, 44410), (Start: 2 @44371 has 6 MA's), (3, 44368), (4, 44353), (5, 44347), (6, 44290), (8, 44254), (10, 44218), (13, 44158),

Gene: Vorvolakos_87 Start: 44536, Stop: 44309, Start Num: 2
Candidate Starts for Vorvolakos_87:
(1, 44575), (Start: 2 @44536 has 6 MA's), (4, 44524), (7, 44452), (8, 44425), (9, 44419), (10, 44389), (11, 44368), (12, 44350), (13, 44329),