Pham 201186


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1: Nonagon_13
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2: Commonplace_12
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3: Sunfish_58
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4: Kithara_49

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 201186 Report

This analysis was run 01/18/25 on database version 583.

Pham number 201186 has 4 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Nonagon_13
• Track 2 : Commonplace_12
• Track 3 : Sunfish_58
• Track 4 : Kithara_49

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:
• Commonplace_12, Nonagon_13, Sunfish_58,

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

Genes that do not have the "Most Annotated" start:
• Kithara_49,

Summary by start number:

Start 5:
• Found in 1 of 4 (25.0%) 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: Kithara_49 (singleton),

Start 6:
• Found in 3 of 4 (75.0%) 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: Commonplace_12 (JD), Nonagon_13 (JD), Sunfish_58 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: JD, singleton,

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

Gene Information:

Gene: Commonplace_12 Start: 4316, Stop: 4594, Start Num: 6
Candidate Starts for Commonplace_12:
(Start: 6 @4316 has 3 MA's), (8, 4328), (9, 4370), (10, 4379), (11, 4391), (15, 4439), (16, 4442), (17, 4472), (18, 4475), (22, 4484), (28, 4571),

Gene: Kithara_49 Start: 39392, Stop: 39093, Start Num: 5
Candidate Starts for Kithara_49:
(4, 39524), (Start: 5 @39392 has 1 MA's), (13, 39269), (14, 39263), (19, 39221), (23, 39197), (25, 39173), (27, 39149),

Gene: Nonagon_13 Start: 4591, Stop: 4869, Start Num: 6
Candidate Starts for Nonagon_13:
(1, 4222), (2, 4426), (3, 4429), (Start: 6 @4591 has 3 MA's), (8, 4603), (9, 4645), (10, 4654), (11, 4666), (15, 4714), (16, 4717), (17, 4747), (18, 4750), (22, 4759), (28, 4846),

Gene: Sunfish_58 Start: 39737, Stop: 39447, Start Num: 6
Candidate Starts for Sunfish_58:
(Start: 6 @39737 has 3 MA's), (7, 39731), (8, 39725), (9, 39683), (11, 39662), (12, 39632), (20, 39569), (21, 39566), (22, 39563), (24, 39539), (26, 39521), (27, 39503),