Pham 170481

1: Djungelskog_45 + 4

2: Sporto_46

3: DoctorPepper_47 + 1

4: Paella_97 + 2
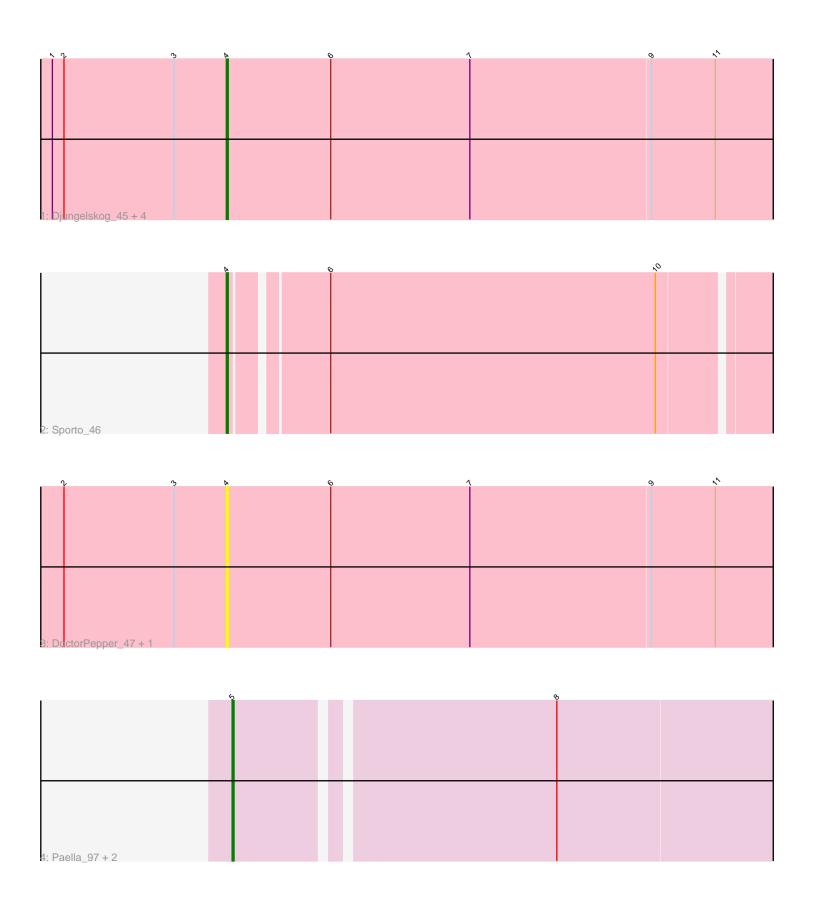
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 170481 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170481 has 11 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Djungelskog_45, BronxBay_45, Linda_45, MrAaronian_45, Raunak_48
• Track 2 : Sporto_46
• Track 3 : DoctorPepper_47, ProfFrink_49
• Track 4 : Paella_97, Elver_95, Qui_97

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BronxBay_45, Djungelskog_45, DoctorPepper_47, Linda_45, MrAaronian_45, ProfFrink_49, Raunak_48, Sporto_46,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Elver_95, Paella_97, Qui_97,

Summary by start number:

Start 4:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BronxBay_45 (AW), Djungelskog_45 (AW), DoctorPepper_47 (AW), Linda_45 (AW), MrAaronian_45 (AW), ProfFrink_49 (AW), Raunak_48 (AW), Sporto_46 (AW),

Start 5:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Elver_95 (FK), Paella_97 (FK), Qui_97 (FK),

Summary by clusters:

There are 2 clusters represented in this pham: FK, AW,

Info for manual annotations of cluster AW:
•Start number 4 was manually annotated 5 times for cluster AW.

Info for manual annotations of cluster FK:
•Start number 5 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: BronxBay_45 Start: 31837, Stop: 32127, Start Num: 4
Candidate Starts for BronxBay_45:
(1, 31747), (2, 31753), (3, 31810), (Start: 4 @31837 has 5 MA's), (6, 31891), (7, 31963), (9, 32056), (11, 32089),

Gene: Djungelskog_45 Start: 31836, Stop: 32126, Start Num: 4
Candidate Starts for Djungelskog_45:
(1, 31746), (2, 31752), (3, 31809), (Start: 4 @31836 has 5 MA's), (6, 31890), (7, 31962), (9, 32055), (11, 32088),

Gene: DoctorPepper_47 Start: 31541, Stop: 31831, Start Num: 4
Candidate Starts for DoctorPepper_47:
(2, 31457), (3, 31514), (Start: 4 @31541 has 5 MA's), (6, 31595), (7, 31667), (9, 31760), (11, 31793),

Gene: Elver_95 Start: 54012, Stop: 54290, Start Num: 5
Candidate Starts for Elver_95:
(Start: 5 @54012 has 2 MA's), (8, 54168),

Gene: Linda_45 Start: 31834, Stop: 32124, Start Num: 4
Candidate Starts for Linda_45:
(1, 31744), (2, 31750), (3, 31807), (Start: 4 @31834 has 5 MA's), (6, 31888), (7, 31960), (9, 32053), (11, 32086),

Gene: MrAaronian_45 Start: 31836, Stop: 32126, Start Num: 4
Candidate Starts for MrAaronian_45:
(1, 31746), (2, 31752), (3, 31809), (Start: 4 @31836 has 5 MA's), (6, 31890), (7, 31962), (9, 32055), (11, 32088),

Gene: Paella_97 Start: 54602, Stop: 54880, Start Num: 5
Candidate Starts for Paella_97:
(Start: 5 @54602 has 2 MA's), (8, 54758),

Gene: ProfFrink_49 Start: 31837, Stop: 32127, Start Num: 4
Candidate Starts for ProfFrink_49:
(2, 31753), (3, 31810), (Start: 4 @31837 has 5 MA's), (6, 31891), (7, 31963), (9, 32056), (11, 32089),

Gene: Qui_97 Start: 54602, Stop: 54880, Start Num: 5
Candidate Starts for Qui_97:
(Start: 5 @54602 has 2 MA's), (8, 54758),

Gene: Raunak_48 Start: 31534, Stop: 31824, Start Num: 4
Candidate Starts for Raunak_48:
(1, 31444), (2, 31450), (3, 31507), (Start: 4 @31534 has 5 MA's), (6, 31588), (7, 31660), (9, 31753), (11, 31786),

Gene: Sporto_46 Start: 33334, Stop: 33609, Start Num: 4
Candidate Starts for Sporto_46:
(Start: 4 @33334 has 5 MA's), (6, 33379), (10, 33547),