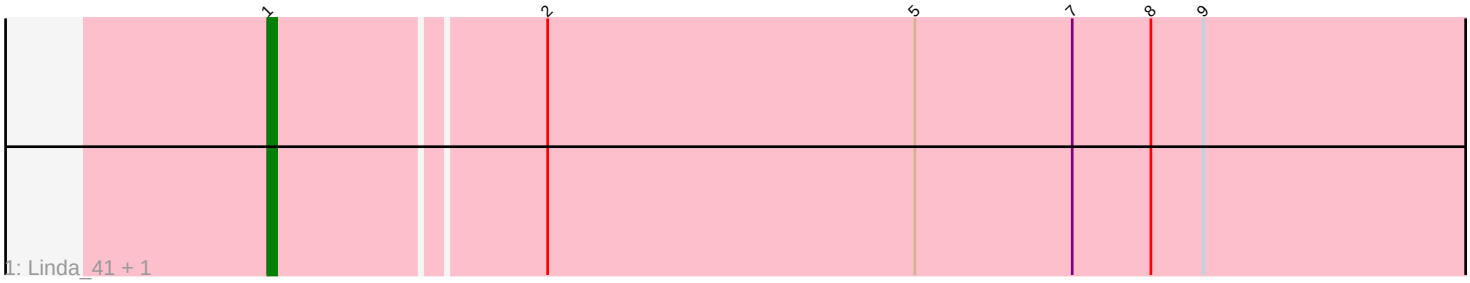
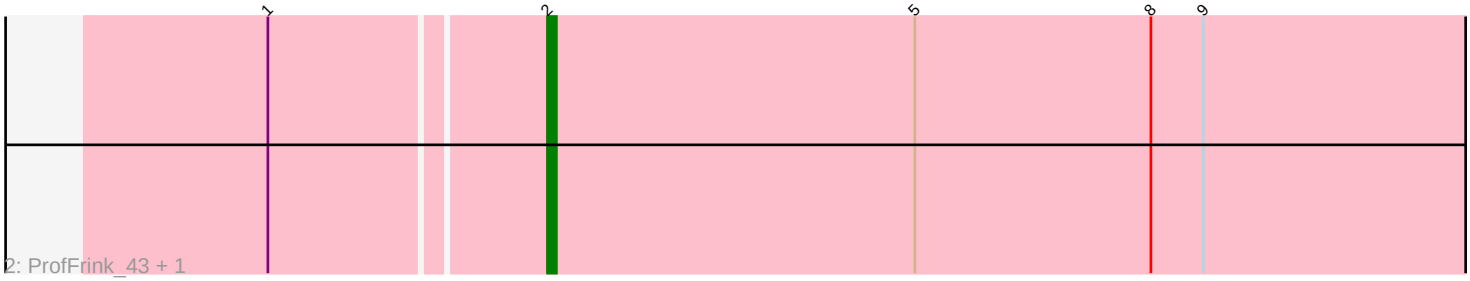
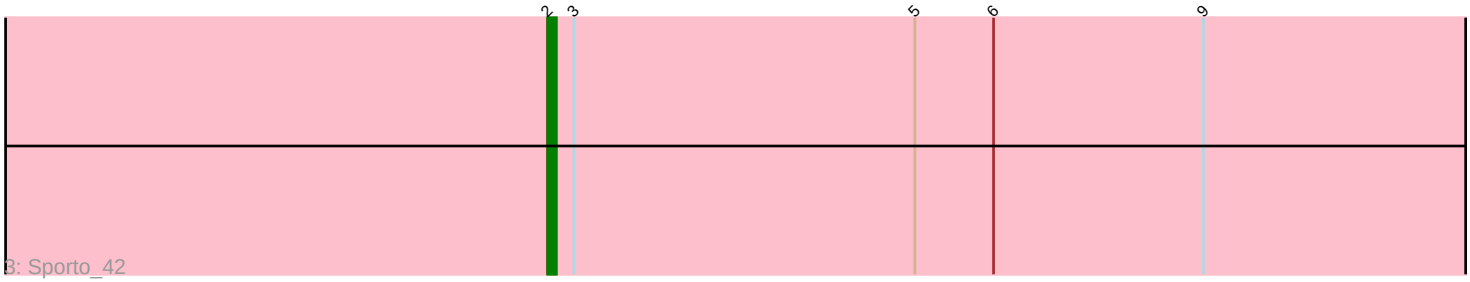
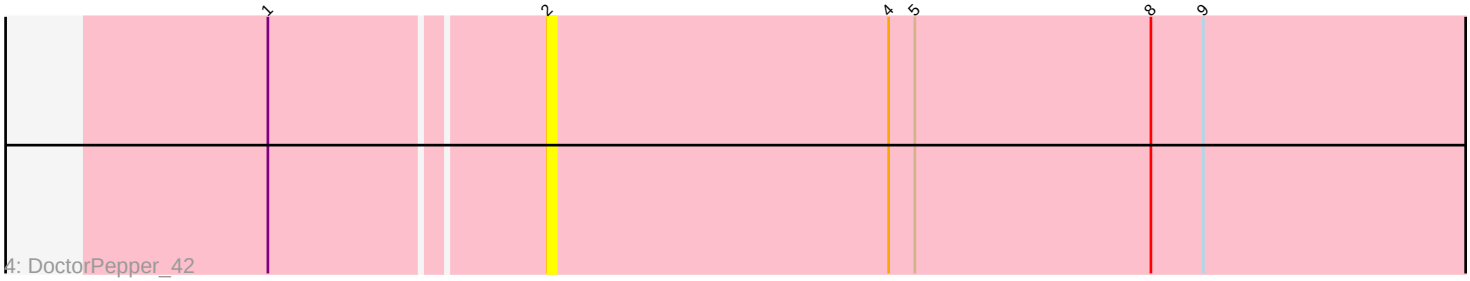
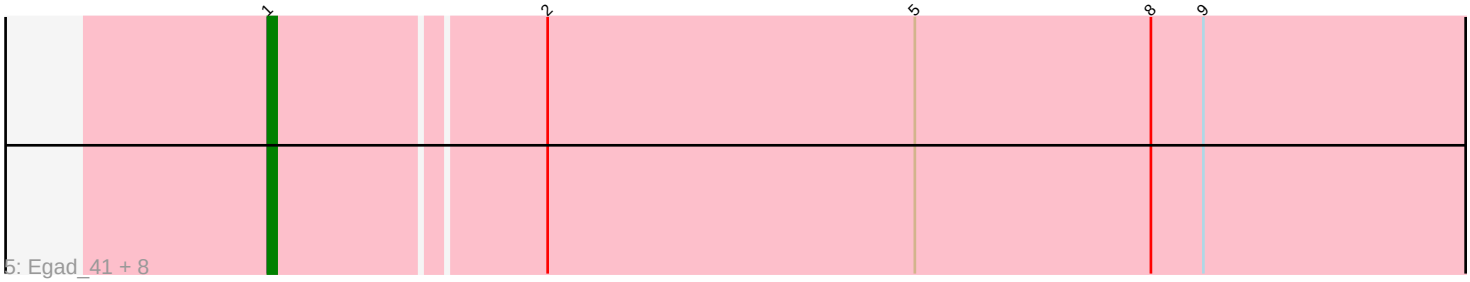
Pham 6033


1
2
5
7
8
9
1: Linda_41 + 1


1
2
5
8
9
2: ProfFrink_43 + 1


2
3
5
6
9
3: Sporto_42


1
2
4
5
8
9
4: DoctorPepper_42


1
2
5
8
9
5: Egad_41 + 8

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 6033 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6033 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Linda_41, Salk_41
• Track 2 : ProfFrink_43, BronxBay_41
• Track 3 : Sporto_42
• Track 4 : DoctorPepper_42
• Track 5 : Egad_41, MrAaronian_41, Stayer_41, StarLord_41, Sloopyjoe_41, Raunak_42, Djungelskog_41, Shiba_40, Michelle_41

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

The start number called the most often in the published annotations is 1, it was called in 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Djungelskog_41, Egad_41, Linda_41, Michelle_41, MrAaronian_41, Raunak_42, Salk_41, Shiba_40, Sloopyjoe_41, StarLord_41, Stayer_41,

Genes that have the "Most Annotated" start but do not call it:
• BronxBay_41, DoctorPepper_42, ProfFrink_43,

Genes that do not have the "Most Annotated" start:
• Sporto_42,

Summary by start number:

Start 1:
• Found in 14 of 15 (93.3%) of genes in pham
• Manual Annotations of this start: 10 of 12
• Called 78.6% of time when present
• Phage (with cluster) where this start called: Djungelskog_41 (AW), Egad_41 (AW), Linda_41 (AW), Michelle_41 (AW), MrAaronian_41 (AW), Raunak_42 (AW), Salk_41 (AW), Shiba_40 (AW), Sloopyjoe_41 (AW), StarLord_41 (AW), Stayer_41 (AW),

Start 2:
• Found in 15 of 15 (100.0%) of genes in pham

• Manual Annotations of this start: 2 of 12
• Called 26.7% of time when present
• Phage (with cluster) where this start called: BronxBay_41 (AW), DoctorPepper_42 (AW), ProfFrink_43 (AW), Sporto_42 (AW),

Summary by clusters:

There is one cluster represented in this pham: AW

Info for manual annotations of cluster AW:
•Start number 1 was manually annotated 10 times for cluster AW.
•Start number 2 was manually annotated 2 times for cluster AW.

Gene Information:

Gene: BronxBay_41 Start: 30282, Stop: 30404, Start Num: 2
Candidate Starts for BronxBay_41:
(Start: 1 @30252 has 10 MA's), (Start: 2 @30282 has 2 MA's), (5, 30324), (8, 30351), (9, 30357),

Gene: Djungelskog_41 Start: 30251, Stop: 30403, Start Num: 1
Candidate Starts for Djungelskog_41:
(Start: 1 @30251 has 10 MA's), (Start: 2 @30281 has 2 MA's), (5, 30323), (8, 30350), (9, 30356),

Gene: DoctorPepper_42 Start: 29983, Stop: 30105, Start Num: 2
Candidate Starts for DoctorPepper_42:
(Start: 1 @29953 has 10 MA's), (Start: 2 @29983 has 2 MA's), (4, 30022), (5, 30025), (8, 30052), (9, 30058),

Gene: Egad_41 Start: 30253, Stop: 30405, Start Num: 1
Candidate Starts for Egad_41:
(Start: 1 @30253 has 10 MA's), (Start: 2 @30283 has 2 MA's), (5, 30325), (8, 30352), (9, 30358),

Gene: Linda_41 Start: 30246, Stop: 30398, Start Num: 1
Candidate Starts for Linda_41:
(Start: 1 @30246 has 10 MA's), (Start: 2 @30276 has 2 MA's), (5, 30318), (7, 30336), (8, 30345), (9, 30351),

Gene: Michelle_41 Start: 30251, Stop: 30403, Start Num: 1
Candidate Starts for Michelle_41:
(Start: 1 @30251 has 10 MA's), (Start: 2 @30281 has 2 MA's), (5, 30323), (8, 30350), (9, 30356),

Gene: MrAaronian_41 Start: 30251, Stop: 30403, Start Num: 1
Candidate Starts for MrAaronian_41:
(Start: 1 @30251 has 10 MA's), (Start: 2 @30281 has 2 MA's), (5, 30323), (8, 30350), (9, 30356),

Gene: ProfFrink_43 Start: 30282, Stop: 30404, Start Num: 2
Candidate Starts for ProfFrink_43:
(Start: 1 @30252 has 10 MA's), (Start: 2 @30282 has 2 MA's), (5, 30324), (8, 30351), (9, 30357),

Gene: Raunak_42 Start: 29949, Stop: 30101, Start Num: 1
Candidate Starts for Raunak_42:

(Start: 1 @29949 has 10 MA's), (Start: 2 @29979 has 2 MA's), (5, 30021), (8, 30048), (9, 30054),

Gene: Salk_41 Start: 30246, Stop: 30398, Start Num: 1
Candidate Starts for Salk_41:
(Start: 1 @30246 has 10 MA's), (Start: 2 @30276 has 2 MA's), (5, 30318), (7, 30336), (8, 30345), (9, 30351),

Gene: Shiba_40 Start: 29949, Stop: 30101, Start Num: 1
Candidate Starts for Shiba_40:
(Start: 1 @29949 has 10 MA's), (Start: 2 @29979 has 2 MA's), (5, 30021), (8, 30048), (9, 30054),

Gene: Sloopyjoe_41 Start: 30253, Stop: 30405, Start Num: 1
Candidate Starts for Sloopyjoe_41:
(Start: 1 @30253 has 10 MA's), (Start: 2 @30283 has 2 MA's), (5, 30325), (8, 30352), (9, 30358),

Gene: Sporto_42 Start: 31515, Stop: 31637, Start Num: 2
Candidate Starts for Sporto_42:
(Start: 2 @31515 has 2 MA's), (3, 31518), (5, 31557), (6, 31566), (9, 31590),

Gene: StarLord_41 Start: 30252, Stop: 30404, Start Num: 1
Candidate Starts for StarLord_41:
(Start: 1 @30252 has 10 MA's), (Start: 2 @30282 has 2 MA's), (5, 30324), (8, 30351), (9, 30357),

Gene: Stayer_41 Start: 30246, Stop: 30398, Start Num: 1
Candidate Starts for Stayer_41:
(Start: 1 @30246 has 10 MA's), (Start: 2 @30276 has 2 MA's), (5, 30318), (8, 30345), (9, 30351),