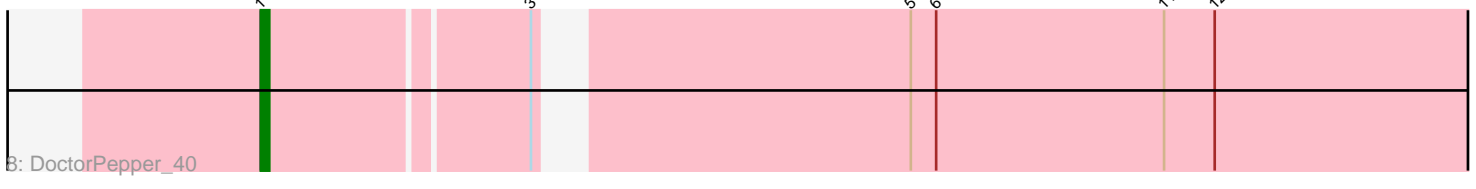
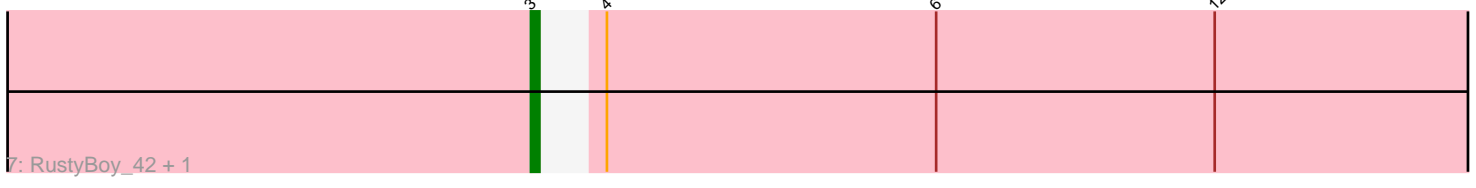
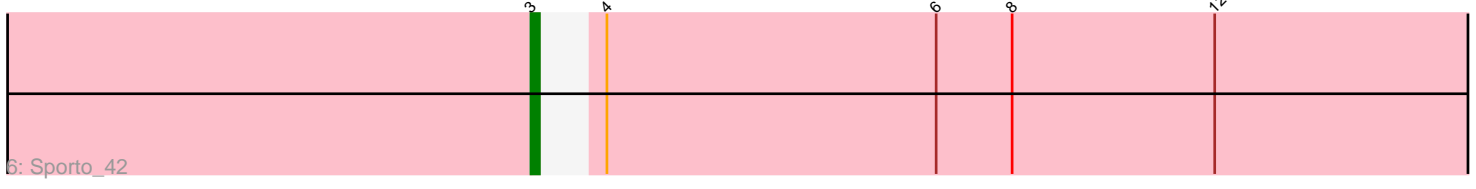
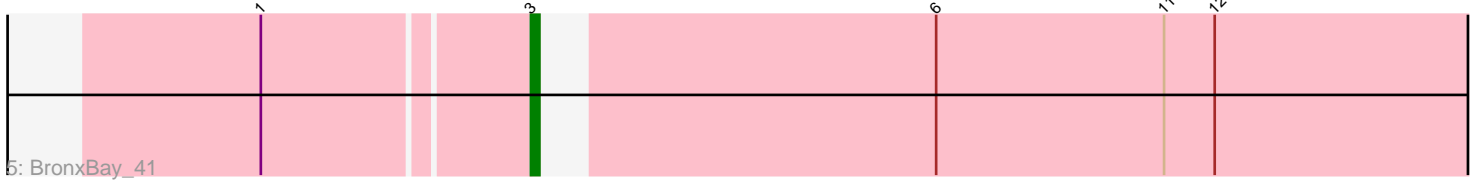
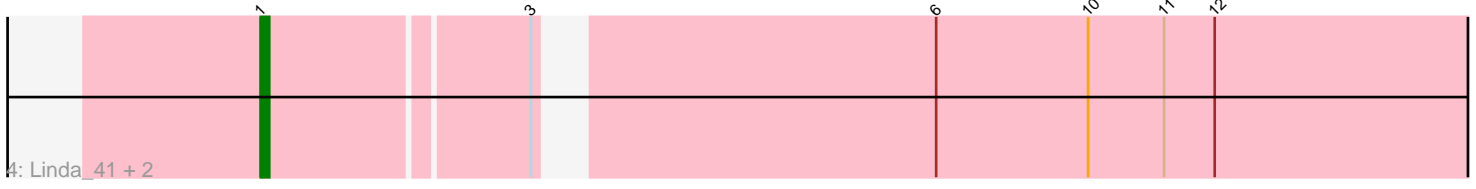
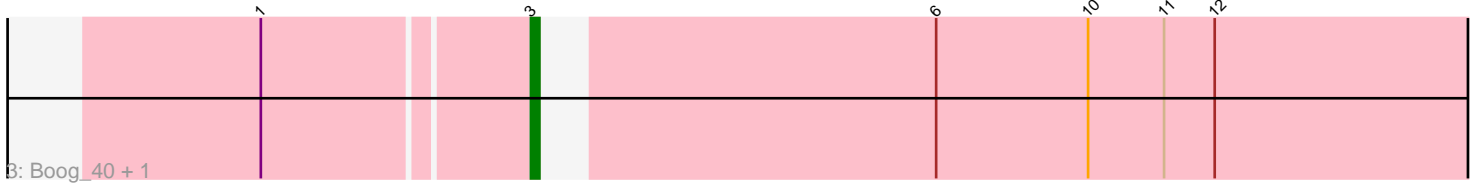
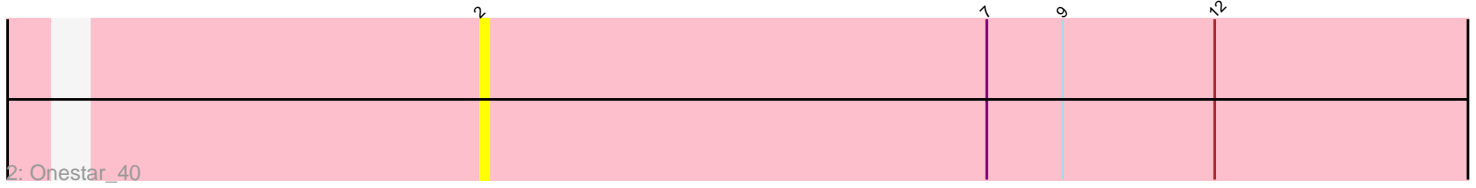
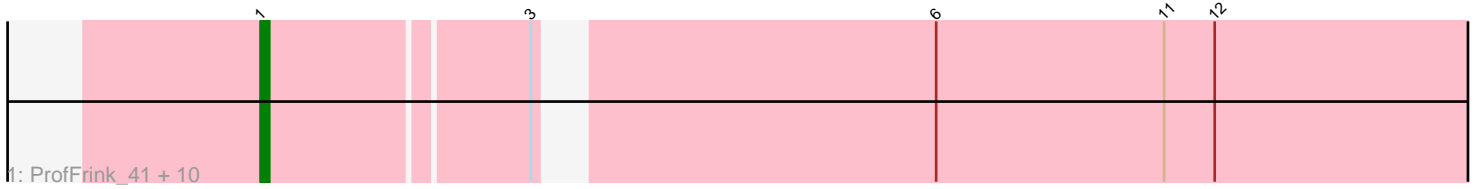


Pham 301753



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 301753 Report

This analysis was run 06/08/26 on database version 649.

Pham number 301753 has 22 members, 4 are drafts.

Phages represented in each track:

- Track 1 : ProfFrink_41, Egad_41, Stayer_41, Sloopyjoe_41, Raunak_42, StarLord_41, Shiba_40, Michelle_41, MrAaronian_41, Djungelskog_41, Spain_42
- Track 2 : Onestar_40
- Track 3 : Boog_40, HerbBucket_41
- Track 4 : Linda_41, Jeremy4pt0_40, Salk_41
- Track 5 : BronxBay_41
- Track 6 : Sporto_42
- Track 7 : RustyBoy_42, Natasha_42
- Track 8 : DoctorPepper_40

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 13 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Djungelskog_41, DoctorPepper_40, Egad_41, Jeremy4pt0_40, Linda_41, Michelle_41, MrAaronian_41, ProfFrink_41, Raunak_42, Salk_41, Shiba_40, Sloopyjoe_41, Spain_42, StarLord_41, Stayer_41,

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

- Boog_40, BronxBay_41, HerbBucket_41,

Genes that do not have the "Most Annotated" start:

- Natasha_42, Onestar_40, RustyBoy_42, Sporto_42,

Summary by start number:

Start 1:

- Found in 18 of 22 (81.8%) of genes in pham
- Manual Annotations of this start: 13 of 18
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Djungelskog_41 (AW), DoctorPepper_40 (AW), Egad_41 (AW), Jeremy4pt0_40 (AW), Linda_41 (AW), Michelle_41 (AW),

MrAaronian_41 (AW), ProfFrink_41 (AW), Raunak_42 (AW), Salk_41 (AW), Shiba_40 (AW), Sloopyjoe_41 (AW), Spain_42 (AW), StarLord_41 (AW), Stayer_41 (AW),

Start 2:

- Found in 1 of 22 (4.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Onestar_40 (AW),

Start 3:

- Found in 21 of 22 (95.5%) of genes in pham
- Manual Annotations of this start: 5 of 18
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Boog_40 (AW), BronxBay_41 (AW), HerbBucket_41 (AW), Natasha_42 (AW), RustyBoy_42 (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 13 times for cluster AW.
- Start number 3 was manually annotated 5 times for cluster AW.

Gene Information:

Gene: Boog_40 Start: 29984, Stop: 30106, Start Num: 3

Candidate Starts for Boog_40:

(Start: 1 @29954 has 13 MA's), (Start: 3 @29984 has 5 MA's), (6, 30026), (10, 30044), (11, 30053), (12, 30059),

Gene: BronxBay_41 Start: 30282, Stop: 30404, Start Num: 3

Candidate Starts for BronxBay_41:

(Start: 1 @30252 has 13 MA's), (Start: 3 @30282 has 5 MA's), (6, 30324), (11, 30351), (12, 30357),

Gene: Djungelskog_41 Start: 30251, Stop: 30403, Start Num: 1

Candidate Starts for Djungelskog_41:

(Start: 1 @30251 has 13 MA's), (Start: 3 @30281 has 5 MA's), (6, 30323), (11, 30350), (12, 30356),

Gene: DoctorPepper_40 Start: 29953, Stop: 30105, Start Num: 1

Candidate Starts for DoctorPepper_40:

(Start: 1 @29953 has 13 MA's), (Start: 3 @29983 has 5 MA's), (5, 30022), (6, 30025), (11, 30052), (12, 30058),

Gene: Egad_41 Start: 30253, Stop: 30405, Start Num: 1

Candidate Starts for Egad_41:

(Start: 1 @30253 has 13 MA's), (Start: 3 @30283 has 5 MA's), (6, 30325), (11, 30352), (12, 30358),

Gene: HerbBucket_41 Start: 29983, Stop: 30105, Start Num: 3

Candidate Starts for HerbBucket_41:

(Start: 1 @29953 has 13 MA's), (Start: 3 @29983 has 5 MA's), (6, 30025), (10, 30043), (11, 30052), (12, 30058),

Gene: Jeremy4pt0_40 Start: 29948, Stop: 30100, Start Num: 1

Candidate Starts for Jeremy4pt0_40:

(Start: 1 @29948 has 13 MA's), (Start: 3 @29978 has 5 MA's), (6, 30020), (10, 30038), (11, 30047), (12, 30053),

Gene: Linda_41 Start: 30246, Stop: 30398, Start Num: 1

Candidate Starts for Linda_41:

(Start: 1 @30246 has 13 MA's), (Start: 3 @30276 has 5 MA's), (6, 30318), (10, 30336), (11, 30345), (12, 30351),

Gene: Michelle_41 Start: 30251, Stop: 30403, Start Num: 1

Candidate Starts for Michelle_41:

(Start: 1 @30251 has 13 MA's), (Start: 3 @30281 has 5 MA's), (6, 30323), (11, 30350), (12, 30356),

Gene: MrAaronian_41 Start: 30251, Stop: 30403, Start Num: 1

Candidate Starts for MrAaronian_41:

(Start: 1 @30251 has 13 MA's), (Start: 3 @30281 has 5 MA's), (6, 30323), (11, 30350), (12, 30356),

Gene: Natasha_42 Start: 29770, Stop: 29892, Start Num: 3

Candidate Starts for Natasha_42:

(Start: 3 @29770 has 5 MA's), (4, 29773), (6, 29812), (12, 29845),

Gene: Onestar_40 Start: 29741, Stop: 29875, Start Num: 2

Candidate Starts for Onestar_40:

(2, 29741), (7, 29801), (9, 29810), (12, 29828),

Gene: ProfFrink_41 Start: 30252, Stop: 30404, Start Num: 1

Candidate Starts for ProfFrink_41:

(Start: 1 @30252 has 13 MA's), (Start: 3 @30282 has 5 MA's), (6, 30324), (11, 30351), (12, 30357),

Gene: Raunak_42 Start: 29949, Stop: 30101, Start Num: 1

Candidate Starts for Raunak_42:

(Start: 1 @29949 has 13 MA's), (Start: 3 @29979 has 5 MA's), (6, 30021), (11, 30048), (12, 30054),

Gene: RustyBoy_42 Start: 29751, Stop: 29873, Start Num: 3

Candidate Starts for RustyBoy_42:

(Start: 3 @29751 has 5 MA's), (4, 29754), (6, 29793), (12, 29826),

Gene: Salk_41 Start: 30246, Stop: 30398, Start Num: 1

Candidate Starts for Salk_41:

(Start: 1 @30246 has 13 MA's), (Start: 3 @30276 has 5 MA's), (6, 30318), (10, 30336), (11, 30345), (12, 30351),

Gene: Shiba_40 Start: 29949, Stop: 30101, Start Num: 1

Candidate Starts for Shiba_40:

(Start: 1 @29949 has 13 MA's), (Start: 3 @29979 has 5 MA's), (6, 30021), (11, 30048), (12, 30054),

Gene: Sloopyjoe_41 Start: 30253, Stop: 30405, Start Num: 1

Candidate Starts for Sloopyjoe_41:

(Start: 1 @30253 has 13 MA's), (Start: 3 @30283 has 5 MA's), (6, 30325), (11, 30352), (12, 30358),

Gene: Spain_42 Start: 30251, Stop: 30403, Start Num: 1

Candidate Starts for Spain_42:

(Start: 1 @30251 has 13 MA's), (Start: 3 @30281 has 5 MA's), (6, 30323), (11, 30350), (12, 30356),

Gene: Sporto_42 Start: 31515, Stop: 31637, Start Num: 3

Candidate Starts for Sporto_42:

(Start: 3 @31515 has 5 MA's), (4, 31518), (6, 31557), (8, 31566), (12, 31590),

Gene: StarLord_41 Start: 30252, Stop: 30404, Start Num: 1

Candidate Starts for StarLord_41:

(Start: 1 @30252 has 13 MA's), (Start: 3 @30282 has 5 MA's), (6, 30324), (11, 30351), (12, 30357),

Gene: Stayer_41 Start: 30246, Stop: 30398, Start Num: 1

Candidate Starts for Stayer_41:

(Start: 1 @30246 has 13 MA's), (Start: 3 @30276 has 5 MA's), (6, 30318), (11, 30345), (12, 30351),