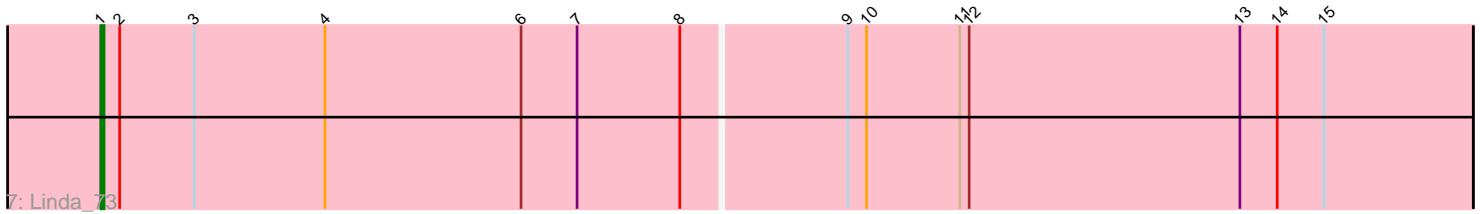
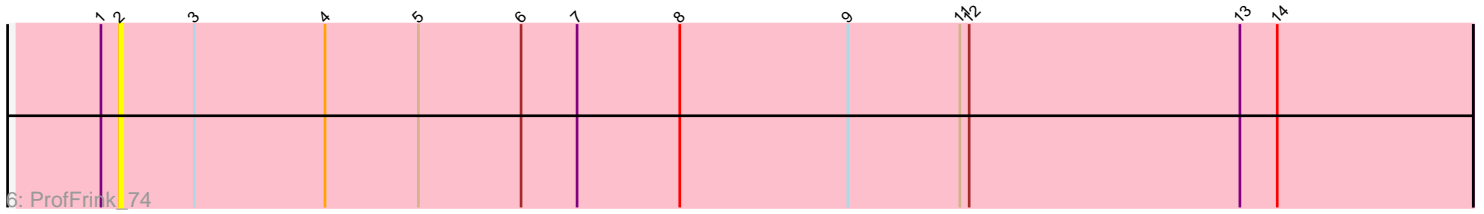
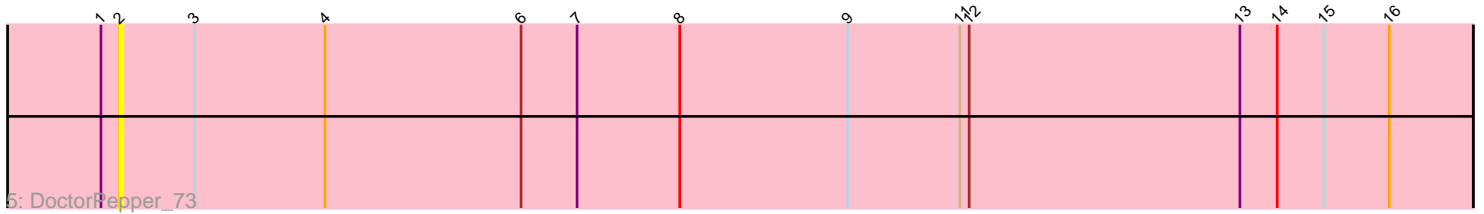
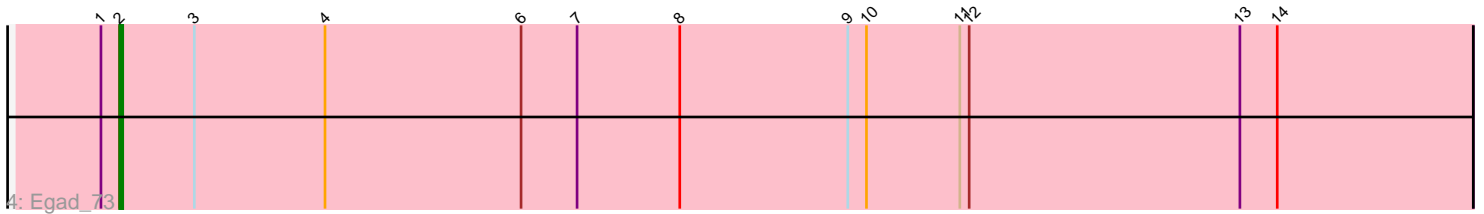
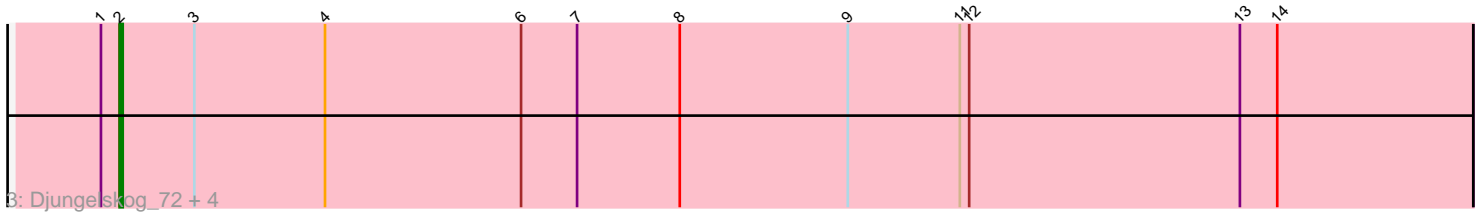
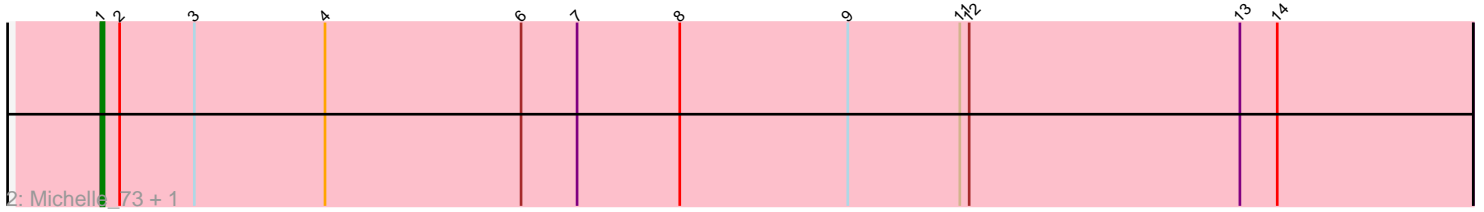
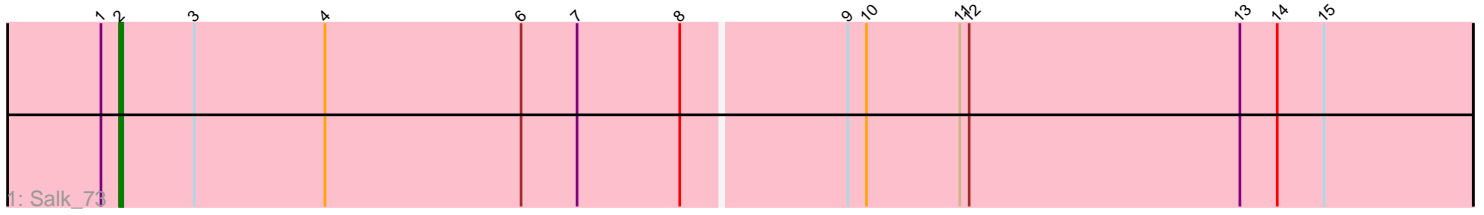


Pham 171922



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 171922 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171922 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Salk\_73
- Track 2 : Michelle\_73, Stayer\_73
- Track 3 : Djungelskog\_72, BronxBay\_73, StarLord\_73, MrAaronian\_73, Sloopyjoe\_73
- Track 4 : Egad\_73
- Track 5 : DoctorPepper\_73
- Track 6 : ProfFrink\_74
- Track 7 : Linda\_73

### ***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 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BronxBay\_73, Djungelskog\_72, DoctorPepper\_73, Egad\_73, MrAaronian\_73, ProfFrink\_74, Salk\_73, Sloopyjoe\_73, StarLord\_73,

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

- Linda\_73, Michelle\_73, Stayer\_73,

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

- 

### **Summary by start number:**

Start 1:

- Found in 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 3 of 10
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Linda\_73 (AW), Michelle\_73 (AW), Stayer\_73 (AW),

Start 2:

- Found in 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 7 of 10
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BronxBay\_73 (AW), Djungelskog\_72 (AW), DoctorPepper\_73 (AW), Egad\_73 (AW), MrAaronian\_73 (AW), ProfFrink\_74 (AW), Salk\_73 (AW), Sloopyjoe\_73 (AW), StarLord\_73 (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 3 times for cluster AW.
- Start number 2 was manually annotated 7 times for cluster AW.

### Gene Information:

Gene: BronxBay\_73 Start: 45711, Stop: 46145, Start Num: 2

Candidate Starts for BronxBay\_73:

(Start: 1 @45705 has 3 MA's), (Start: 2 @45711 has 7 MA's), (3, 45735), (4, 45777), (6, 45840), (7, 45858), (8, 45891), (9, 45945), (11, 45981), (12, 45984), (13, 46071), (14, 46083),

Gene: Djungelskog\_72 Start: 45713, Stop: 46147, Start Num: 2

Candidate Starts for Djungelskog\_72:

(Start: 1 @45707 has 3 MA's), (Start: 2 @45713 has 7 MA's), (3, 45737), (4, 45779), (6, 45842), (7, 45860), (8, 45893), (9, 45947), (11, 45983), (12, 45986), (13, 46073), (14, 46085),

Gene: DoctorPepper\_73 Start: 45415, Stop: 45849, Start Num: 2

Candidate Starts for DoctorPepper\_73:

(Start: 1 @45409 has 3 MA's), (Start: 2 @45415 has 7 MA's), (3, 45439), (4, 45481), (6, 45544), (7, 45562), (8, 45595), (9, 45649), (11, 45685), (12, 45688), (13, 45775), (14, 45787), (15, 45802), (16, 45823),

Gene: Egad\_73 Start: 45689, Stop: 46123, Start Num: 2

Candidate Starts for Egad\_73:

(Start: 1 @45683 has 3 MA's), (Start: 2 @45689 has 7 MA's), (3, 45713), (4, 45755), (6, 45818), (7, 45836), (8, 45869), (9, 45923), (10, 45929), (11, 45959), (12, 45962), (13, 46049), (14, 46061),

Gene: Linda\_73 Start: 45702, Stop: 46139, Start Num: 1

Candidate Starts for Linda\_73:

(Start: 1 @45702 has 3 MA's), (Start: 2 @45708 has 7 MA's), (3, 45732), (4, 45774), (6, 45837), (7, 45855), (8, 45888), (9, 45939), (10, 45945), (11, 45975), (12, 45978), (13, 46065), (14, 46077), (15, 46092),

Gene: Michelle\_73 Start: 45704, Stop: 46144, Start Num: 1

Candidate Starts for Michelle\_73:

(Start: 1 @45704 has 3 MA's), (Start: 2 @45710 has 7 MA's), (3, 45734), (4, 45776), (6, 45839), (7, 45857), (8, 45890), (9, 45944), (11, 45980), (12, 45983), (13, 46070), (14, 46082),

Gene: MrAaronian\_73 Start: 45710, Stop: 46144, Start Num: 2

Candidate Starts for MrAaronian\_73:

(Start: 1 @45704 has 3 MA's), (Start: 2 @45710 has 7 MA's), (3, 45734), (4, 45776), (6, 45839), (7, 45857), (8, 45890), (9, 45944), (11, 45980), (12, 45983), (13, 46070), (14, 46082),

Gene: ProfFrink\_74 Start: 45688, Stop: 46122, Start Num: 2

Candidate Starts for ProfFrink\_74:

(Start: 1 @45682 has 3 MA's), (Start: 2 @45688 has 7 MA's), (3, 45712), (4, 45754), (5, 45784), (6, 45817), (7, 45835), (8, 45868), (9, 45922), (11, 45958), (12, 45961), (13, 46048), (14, 46060),

Gene: Salk\_73 Start: 45708, Stop: 46139, Start Num: 2

Candidate Starts for Salk\_73:

(Start: 1 @45702 has 3 MA's), (Start: 2 @45708 has 7 MA's), (3, 45732), (4, 45774), (6, 45837), (7, 45855), (8, 45888), (9, 45939), (10, 45945), (11, 45975), (12, 45978), (13, 46065), (14, 46077), (15, 46092),

Gene: Sloopyjoe\_73 Start: 45712, Stop: 46146, Start Num: 2

Candidate Starts for Sloopyjoe\_73:

(Start: 1 @45706 has 3 MA's), (Start: 2 @45712 has 7 MA's), (3, 45736), (4, 45778), (6, 45841), (7, 45859), (8, 45892), (9, 45946), (11, 45982), (12, 45985), (13, 46072), (14, 46084),

Gene: StarLord\_73 Start: 45705, Stop: 46139, Start Num: 2

Candidate Starts for StarLord\_73:

(Start: 1 @45699 has 3 MA's), (Start: 2 @45705 has 7 MA's), (3, 45729), (4, 45771), (6, 45834), (7, 45852), (8, 45885), (9, 45939), (11, 45975), (12, 45978), (13, 46065), (14, 46077),

Gene: Stayer\_73 Start: 45702, Stop: 46142, Start Num: 1

Candidate Starts for Stayer\_73:

(Start: 1 @45702 has 3 MA's), (Start: 2 @45708 has 7 MA's), (3, 45732), (4, 45774), (6, 45837), (7, 45855), (8, 45888), (9, 45942), (11, 45978), (12, 45981), (13, 46068), (14, 46080),