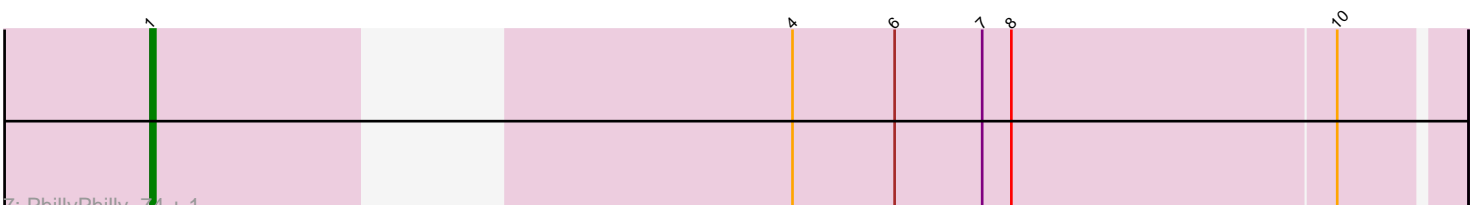
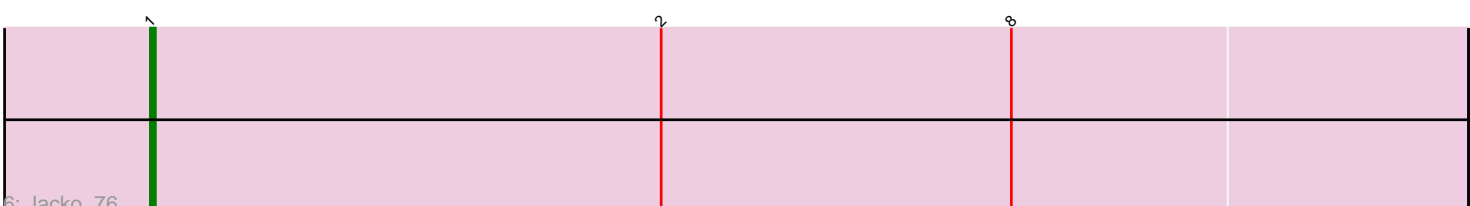
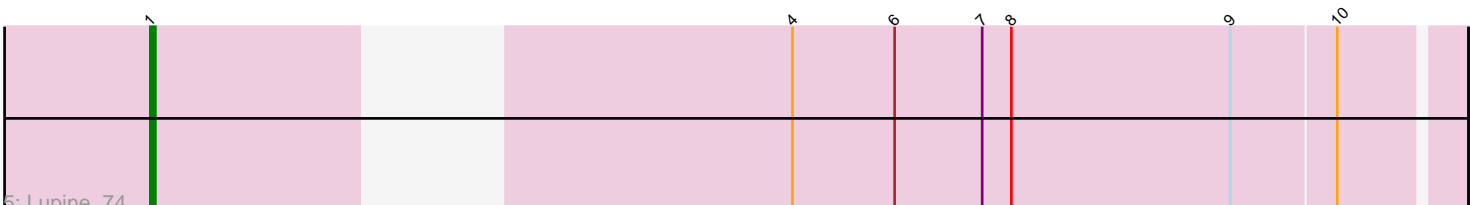
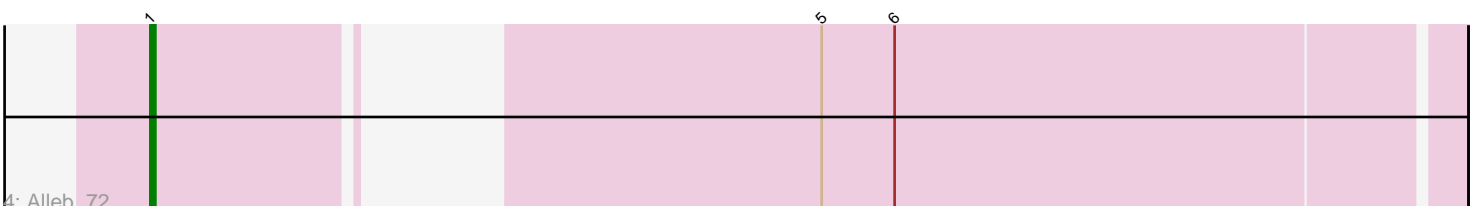
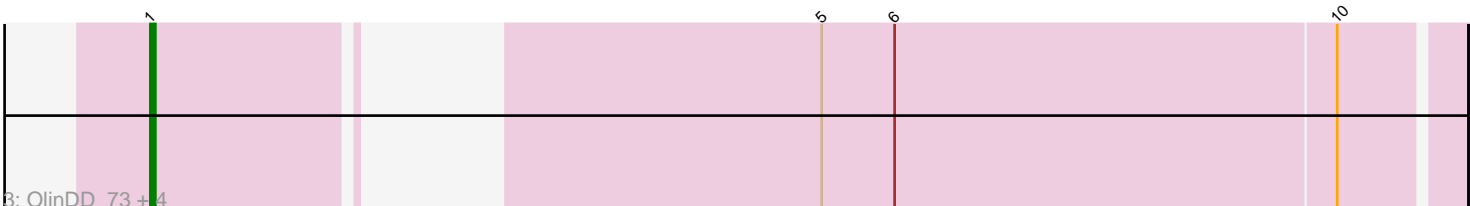
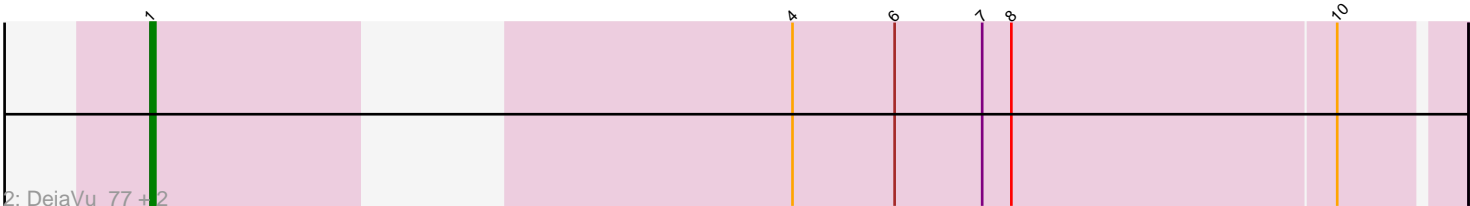


Pham 87083



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 87083 Report

This analysis was run 04/28/24 on database version 559.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 87083 has 14 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Wolfstar_78
- Track 2 : DejaVu_77, Hubbs_75, Roman_78
- Track 3 : OlinDD_73, Tandem_73, Pioneer3_73, Platte_73, Hortus1_73
- Track 4 : Alleb_72
- Track 5 : Lupine_74
- Track 6 : Jacko_76
- Track 7 : PhillyPhilly_74, Pavlo_75

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 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alleb_72, DejaVu_77, Hortus1_73, Hubbs_75, Jacko_76, Lupine_74, OlinDD_73, Pavlo_75, PhillyPhilly_74, Pioneer3_73, Platte_73, Roman_78, Tandem_73, Wolfstar_78,

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

-

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

-

Summary by start number:

Start 1:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Alleb_72 (ED1), DejaVu_77 (ED1), Hortus1_73 (ED1), Hubbs_75 (ED1), Jacko_76 (ED1), Lupine_74 (ED1), OlinDD_73 (ED1), Pavlo_75 (ED1), PhillyPhilly_74 (ED1), Pioneer3_73 (ED1), Platte_73 (ED1), Roman_78 (ED1), Tandem_73 (ED1), Wolfstar_78 (ED),

Summary by clusters:

There are 2 clusters represented in this pham: ED, ED1,

Info for manual annotations of cluster ED1:

- Start number 1 was manually annotated 13 times for cluster ED1.

Gene Information:

Gene: Alleb_72 Start: 44877, Stop: 44644, Start Num: 1

Candidate Starts for Alleb_72:

(Start: 1 @44877 has 13 MA's), (5, 44772), (6, 44757),

Gene: DejaVu_77 Start: 45367, Stop: 45131, Start Num: 1

Candidate Starts for DejaVu_77:

(Start: 1 @45367 has 13 MA's), (4, 45265), (6, 45244), (7, 45226), (8, 45220), (10, 45154),

Gene: Hortus1_73 Start: 45421, Stop: 45188, Start Num: 1

Candidate Starts for Hortus1_73:

(Start: 1 @45421 has 13 MA's), (5, 45316), (6, 45301), (10, 45211),

Gene: Hubbs_75 Start: 45595, Stop: 45359, Start Num: 1

Candidate Starts for Hubbs_75:

(Start: 1 @45595 has 13 MA's), (4, 45493), (6, 45472), (7, 45454), (8, 45448), (10, 45382),

Gene: Jacko_76 Start: 44647, Stop: 44378, Start Num: 1

Candidate Starts for Jacko_76:

(Start: 1 @44647 has 13 MA's), (2, 44542), (8, 44470),

Gene: Lupine_74 Start: 44781, Stop: 44545, Start Num: 1

Candidate Starts for Lupine_74:

(Start: 1 @44781 has 13 MA's), (4, 44679), (6, 44658), (7, 44640), (8, 44634), (9, 44589), (10, 44568),

Gene: OlinDD_73 Start: 45420, Stop: 45187, Start Num: 1

Candidate Starts for OlinDD_73:

(Start: 1 @45420 has 13 MA's), (5, 45315), (6, 45300), (10, 45210),

Gene: Pavlo_75 Start: 45426, Stop: 45190, Start Num: 1

Candidate Starts for Pavlo_75:

(Start: 1 @45426 has 13 MA's), (4, 45324), (6, 45303), (7, 45285), (8, 45279), (10, 45213),

Gene: PhillyPhilly_74 Start: 44963, Stop: 44727, Start Num: 1

Candidate Starts for PhillyPhilly_74:

(Start: 1 @44963 has 13 MA's), (4, 44861), (6, 44840), (7, 44822), (8, 44816), (10, 44750),

Gene: Pioneer3_73 Start: 45242, Stop: 45009, Start Num: 1

Candidate Starts for Pioneer3_73:

(Start: 1 @45242 has 13 MA's), (5, 45137), (6, 45122), (10, 45032),

Gene: Platte_73 Start: 45195, Stop: 44962, Start Num: 1

Candidate Starts for Platte_73:

(Start: 1 @45195 has 13 MA's), (5, 45090), (6, 45075), (10, 44985),

Gene: Roman_78 Start: 46081, Stop: 45845, Start Num: 1

Candidate Starts for Roman_78:

(Start: 1 @46081 has 13 MA's), (4, 45979), (6, 45958), (7, 45940), (8, 45934), (10, 45868),

Gene: Tandem_73 Start: 45322, Stop: 45089, Start Num: 1

Candidate Starts for Tandem_73:

(Start: 1 @45322 has 13 MA's), (5, 45217), (6, 45202), (10, 45112),

Gene: Wolfstar_78 Start: 46740, Stop: 46504, Start Num: 1

Candidate Starts for Wolfstar_78:

(Start: 1 @46740 has 13 MA's), (3, 46662), (7, 46599),