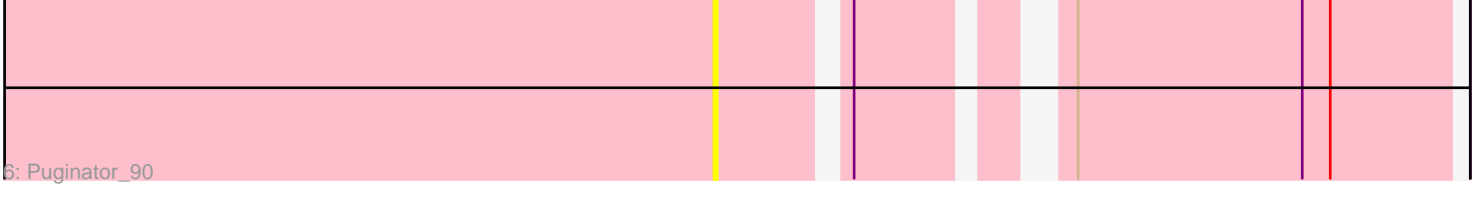
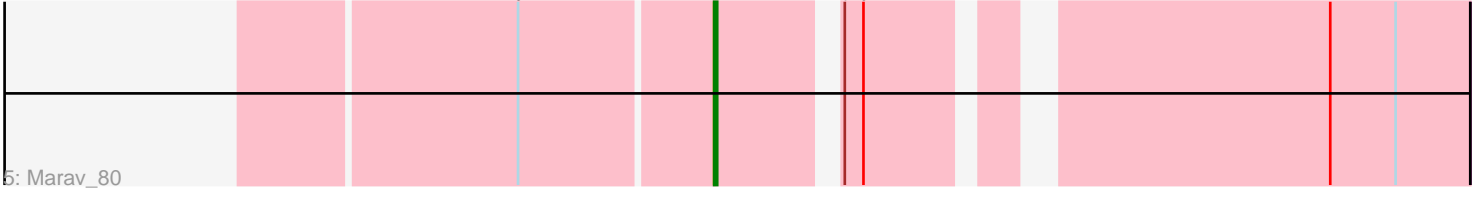
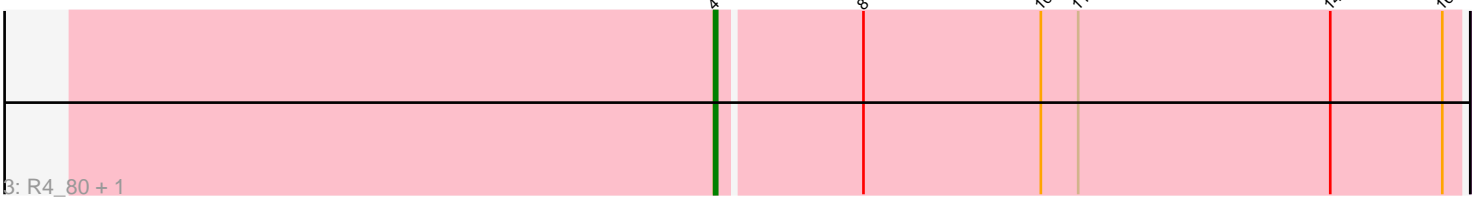
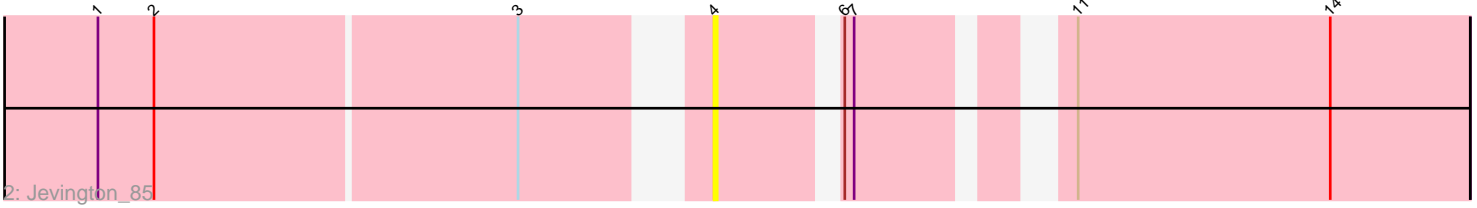
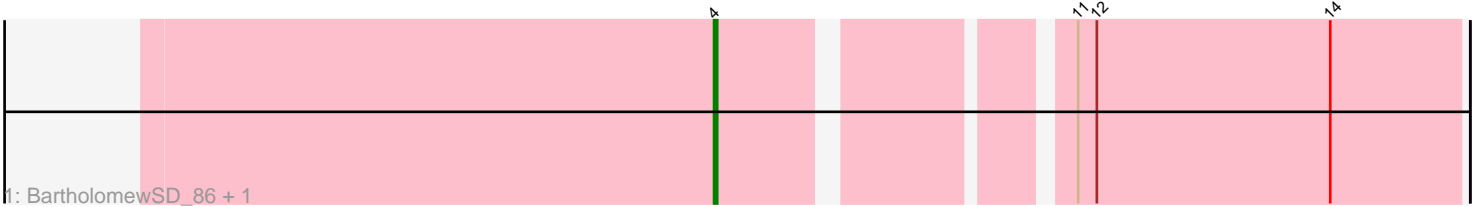


Pham 132667



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 132667 Report

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

Pham number 132667 has 9 members, 4 are drafts.

Phages represented in each track:

- Track 1 : BartholomewSD_86, Alvy_88
- Track 2 : Jevington_85
- Track 3 : R4_80, ELB20_78
- Track 4 : Zainub_88
- Track 5 : Marav_80
- Track 6 : Puginator_90
- Track 7 : Superstar_84

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 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alvy_88, BartholomewSD_86, ELB20_78, Jevington_85, Marav_80, Puginator_90, R4_80, Zainub_88,

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

- Superstar_84,

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

-

Summary by start number:

Start 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Alvy_88 (BD2), BartholomewSD_86 (BD2), ELB20_78 (BD2), Jevington_85 (BD2), Marav_80 (BD2), Puginator_90 (BD2), R4_80 (BD2), Zainub_88 (BD2),

Start 5:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Superstar_84 (BD2),

Summary by clusters:

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:

- Start number 4 was manually annotated 5 times for cluster BD2.

Gene Information:

Gene: Alvy_88 Start: 51204, Stop: 50986, Start Num: 4

Candidate Starts for Alvy_88:

(Start: 4 @51204 has 5 MA's), (11, 51108), (12, 51102), (14, 51027),

Gene: BartholomewSD_86 Start: 50323, Stop: 50105, Start Num: 4

Candidate Starts for BartholomewSD_86:

(Start: 4 @50323 has 5 MA's), (11, 50227), (12, 50221), (14, 50146),

Gene: ELB20_78 Start: 49284, Stop: 49057, Start Num: 4

Candidate Starts for ELB20_78:

(Start: 4 @49284 has 5 MA's), (8, 49248), (10, 49191), (11, 49179), (14, 49098), (16, 49062),

Gene: Jevington_85 Start: 48766, Stop: 48554, Start Num: 4

Candidate Starts for Jevington_85:

(1, 48943), (2, 48925), (3, 48811), (Start: 4 @48766 has 5 MA's), (6, 48733), (7, 48730), (11, 48679), (14, 48598),

Gene: Marav_80 Start: 48776, Stop: 48564, Start Num: 4

Candidate Starts for Marav_80:

(3, 48836), (Start: 4 @48776 has 5 MA's), (6, 48743), (8, 48737), (14, 48608), (15, 48587),

Gene: Puginator_90 Start: 49599, Stop: 49393, Start Num: 4

Candidate Starts for Puginator_90:

(Start: 4 @49599 has 5 MA's), (7, 49563), (11, 49512), (13, 49440), (14, 49431),

Gene: R4_80 Start: 49206, Stop: 48970, Start Num: 4

Candidate Starts for R4_80:

(Start: 4 @49206 has 5 MA's), (8, 49161), (10, 49104), (11, 49092), (14, 49011), (16, 48975),

Gene: Superstar_84 Start: 48692, Stop: 48501, Start Num: 5

Candidate Starts for Superstar_84:

(Start: 4 @48710 has 5 MA's), (5, 48692), (7, 48677), (9, 48626), (11, 48617), (12, 48611), (14, 48536),

Gene: Zainub_88 Start: 49709, Stop: 49503, Start Num: 4

Candidate Starts for Zainub_88:

(Start: 4 @49709 has 5 MA's), (11, 49622), (13, 49550), (14, 49541),

