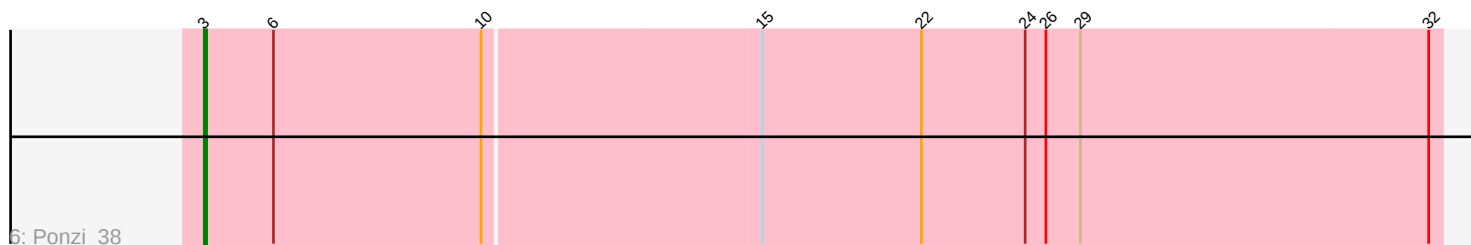
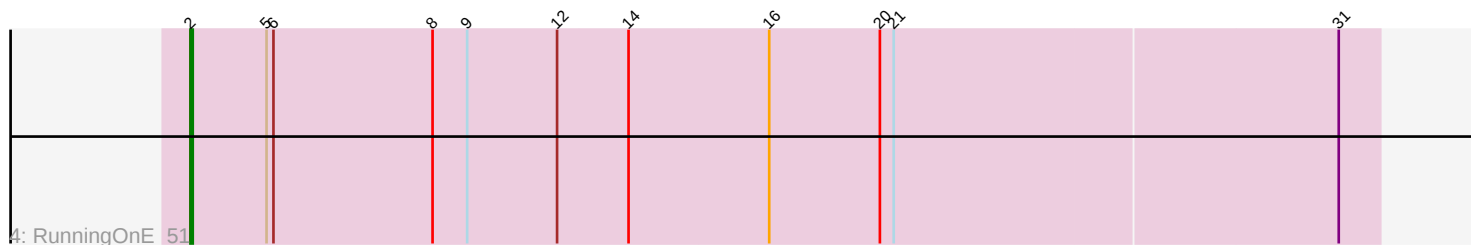
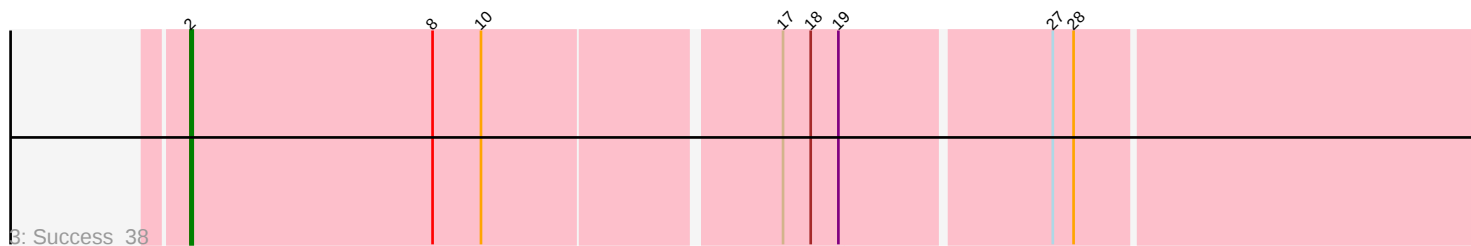
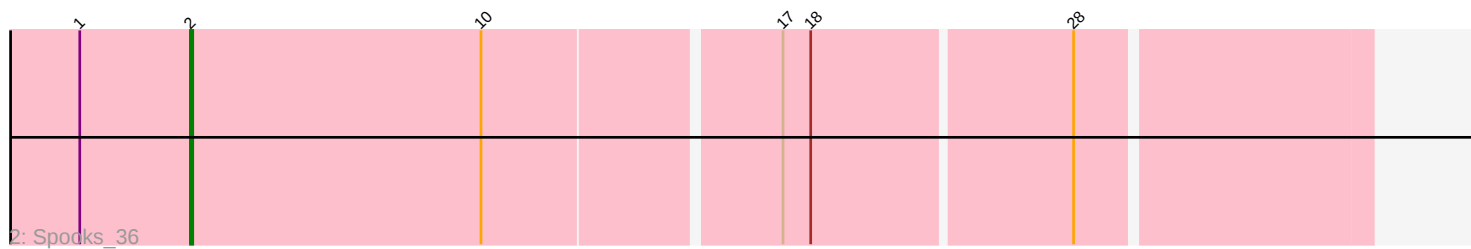
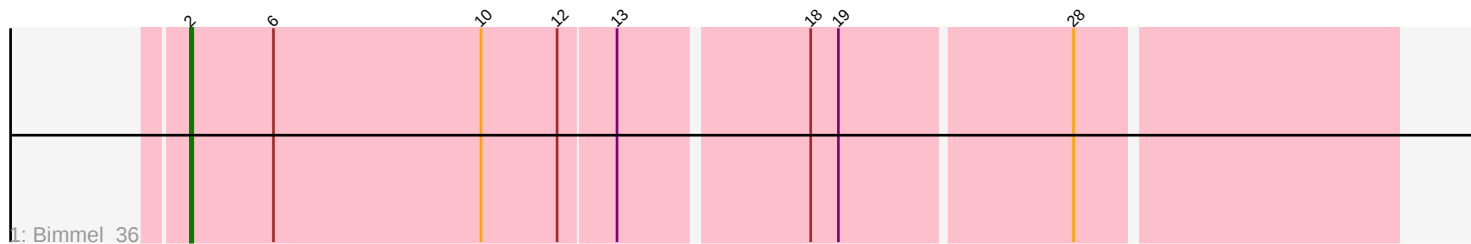


Pham 331657



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 331657 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331657 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Bimmel_36
- Track 2 : Spooks_36
- Track 3 : Success_38
- Track 4 : RunningOnE_51
- Track 5 : Ibantik_55
- Track 6 : Ponzi_38

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bimmel_36, Ibantik_55, RunningOnE_51, Spooks_36, Success_38,

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

-

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

- Ponzi_38,

Summary by start number:

Start 2:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bimmel_36 (BT), Ibantik_55 (JN), RunningOnE_51 (JN), Spooks_36 (BT), Success_38 (BT),

Start 3:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Ponzi_38 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: BT, JN, singleton,

Info for manual annotations of cluster BT:

- Start number 2 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster JN:

- Start number 2 was manually annotated 2 times for cluster JN.

Gene Information:

Gene: Bimmel_36 Start: 23030, Stop: 22527, Start Num: 2

Candidate Starts for Bimmel_36:

(Start: 2 @23030 has 5 MA's), (6, 22994), (10, 22904), (12, 22871), (13, 22847), (18, 22769), (19, 22757), (28, 22661),

Gene: Ibantik_55 Start: 24380, Stop: 23871, Start Num: 2

Candidate Starts for Ibantik_55:

(Start: 2 @24380 has 5 MA's), (4, 24362), (5, 24347), (7, 24338), (8, 24275), (10, 24254), (11, 24233), (12, 24221), (23, 24035), (25, 24014), (30, 23909),

Gene: Ponzi_38 Start: 21362, Stop: 20832, Start Num: 3

Candidate Starts for Ponzi_38:

(Start: 3 @21362 has 1 MA's), (6, 21332), (10, 21242), (15, 21125), (22, 21056), (24, 21011), (26, 21002), (29, 20987), (32, 20837),

Gene: RunningOnE_51 Start: 24505, Stop: 23996, Start Num: 2

Candidate Starts for RunningOnE_51:

(Start: 2 @24505 has 5 MA's), (5, 24472), (6, 24469), (8, 24400), (9, 24385), (12, 24346), (14, 24316), (16, 24256), (20, 24208), (21, 24202), (31, 24013),

Gene: Spooks_36 Start: 24036, Stop: 23545, Start Num: 2

Candidate Starts for Spooks_36:

(1, 24084), (Start: 2 @24036 has 5 MA's), (10, 23910), (17, 23787), (18, 23775), (28, 23667),

Gene: Success_38 Start: 23264, Stop: 22725, Start Num: 2

Candidate Starts for Success_38:

(Start: 2 @23264 has 5 MA's), (8, 23159), (10, 23138), (17, 23015), (18, 23003), (19, 22991), (27, 22904), (28, 22895),