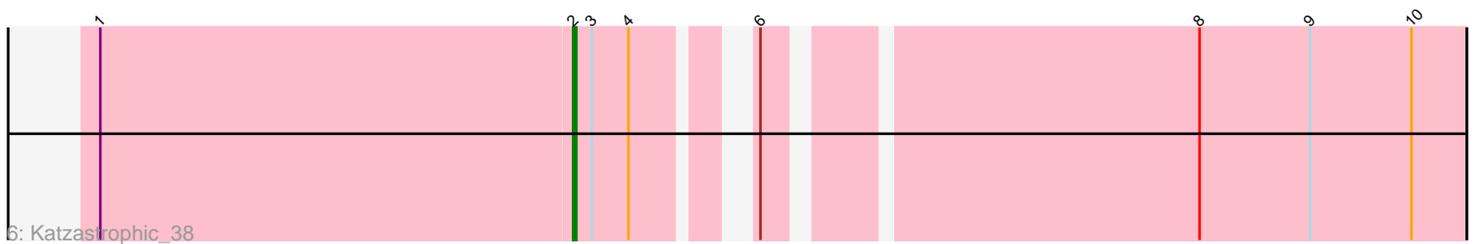
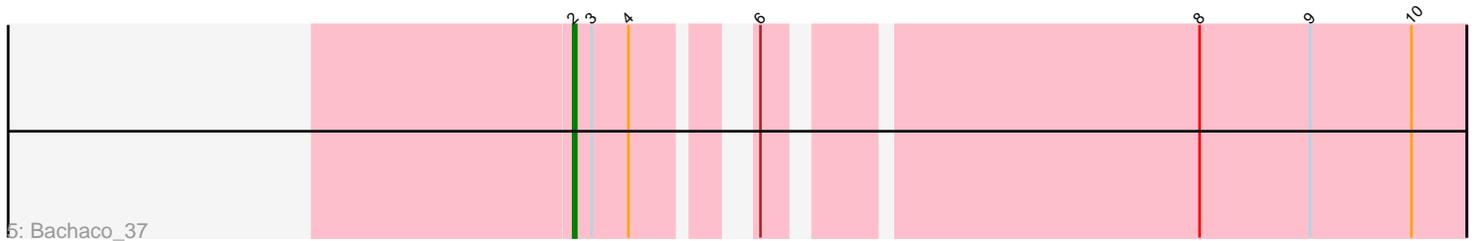
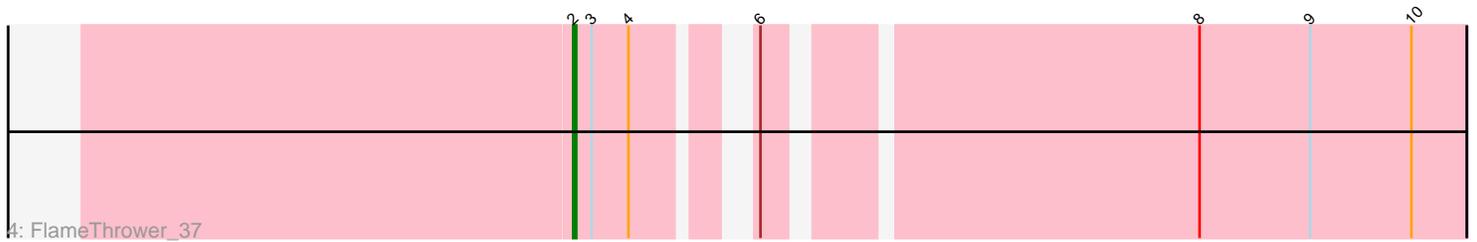
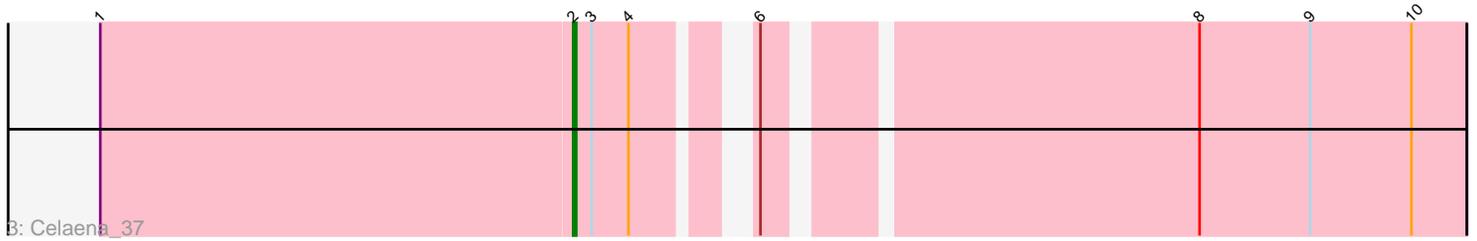
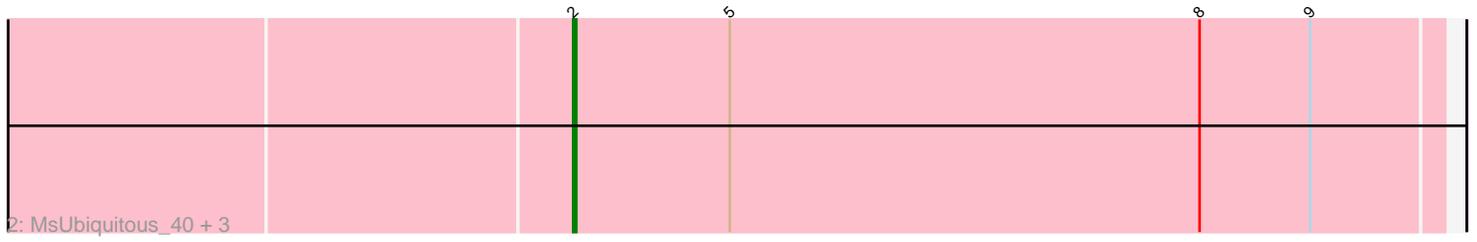
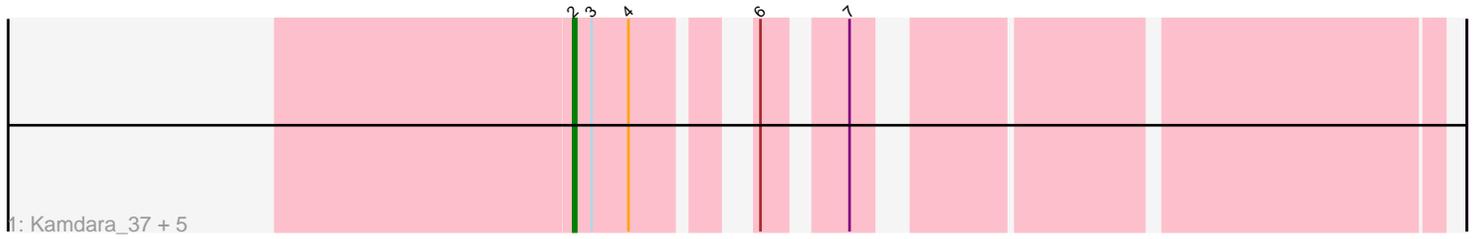


Pham 291656



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 291656 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291656 has 14 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Kamdara_37, Sharkboy_38, Kieran_37, Dismas_37, ChiliPepper_36, Rona_37
- Track 2 : MsUbiquitous_40, CupcakePrincess_40, Jovita_40, Jabb_40
- Track 3 : Celaena_37
- Track 4 : FlameThrower_37
- Track 5 : Bachaco_37
- Track 6 : Katzastrophic_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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bachaco_37, Celaena_37, ChiliPepper_36, CupcakePrincess_40, Dismas_37, FlameThrower_37, Jabb_40, Jovita_40, Kamdara_37, Katzastrophic_38, Kieran_37, MsUbiquitous_40, Rona_37, Sharkboy_38,

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 2:

- 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: Bachaco_37 (EB), Celaena_37 (EB), ChiliPepper_36 (EB), CupcakePrincess_40 (EB), Dismas_37 (EB), FlameThrower_37 (EB), Jabb_40 (EB), Jovita_40 (EB), Kamdara_37 (EB), Katzastrophic_38 (EB), Kieran_37 (EB), MsUbiquitous_40 (EB), Rona_37 (EB), Sharkboy_38 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

•Start number 2 was manually annotated 13 times for cluster EB.

Gene Information:

Gene: Bachaco_37 Start: 27591, Stop: 27851, Start Num: 2

Candidate Starts for Bachaco_37:

(Start: 2 @27591 has 13 MA's), (3, 27597), (4, 27609), (6, 27636), (8, 27765), (9, 27801), (10, 27834),

Gene: Celaena_37 Start: 27333, Stop: 27593, Start Num: 2

Candidate Starts for Celaena_37:

(1, 27180), (Start: 2 @27333 has 13 MA's), (3, 27339), (4, 27351), (6, 27378), (8, 27507), (9, 27543), (10, 27576),

Gene: ChiliPepper_36 Start: 26781, Stop: 27017, Start Num: 2

Candidate Starts for ChiliPepper_36:

(Start: 2 @26781 has 13 MA's), (3, 26787), (4, 26799), (6, 26826), (7, 26847),

Gene: CupcakePrincess_40 Start: 26541, Stop: 26822, Start Num: 2

Candidate Starts for CupcakePrincess_40:

(Start: 2 @26541 has 13 MA's), (5, 26592), (8, 26745), (9, 26781),

Gene: Dismas_37 Start: 26952, Stop: 27188, Start Num: 2

Candidate Starts for Dismas_37:

(Start: 2 @26952 has 13 MA's), (3, 26958), (4, 26970), (6, 26997), (7, 27018),

Gene: FlameThrower_37 Start: 26783, Stop: 27043, Start Num: 2

Candidate Starts for FlameThrower_37:

(Start: 2 @26783 has 13 MA's), (3, 26789), (4, 26801), (6, 26828), (8, 26957), (9, 26993), (10, 27026),

Gene: Jabb_40 Start: 26541, Stop: 26822, Start Num: 2

Candidate Starts for Jabb_40:

(Start: 2 @26541 has 13 MA's), (5, 26592), (8, 26745), (9, 26781),

Gene: Jovita_40 Start: 26556, Stop: 26837, Start Num: 2

Candidate Starts for Jovita_40:

(Start: 2 @26556 has 13 MA's), (5, 26607), (8, 26760), (9, 26796),

Gene: Kamdara_37 Start: 26957, Stop: 27193, Start Num: 2

Candidate Starts for Kamdara_37:

(Start: 2 @26957 has 13 MA's), (3, 26963), (4, 26975), (6, 27002), (7, 27023),

Gene: Katzastrophic_38 Start: 26912, Stop: 27172, Start Num: 2

Candidate Starts for Katzastrophic_38:

(1, 26759), (Start: 2 @26912 has 13 MA's), (3, 26918), (4, 26930), (6, 26957), (8, 27086), (9, 27122), (10, 27155),

Gene: Kieran_37 Start: 26960, Stop: 27196, Start Num: 2

Candidate Starts for Kieran_37:

(Start: 2 @26960 has 13 MA's), (3, 26966), (4, 26978), (6, 27005), (7, 27026),

Gene: MsUbiquitous_40 Start: 26541, Stop: 26822, Start Num: 2

Candidate Starts for MsUbiquitous_40:

(Start: 2 @26541 has 13 MA's), (5, 26592), (8, 26745), (9, 26781),

Gene: Rona_37 Start: 26943, Stop: 27179, Start Num: 2

Candidate Starts for Rona_37:

(Start: 2 @26943 has 13 MA's), (3, 26949), (4, 26961), (6, 26988), (7, 27009),

Gene: Sharkboy_38 Start: 27042, Stop: 27278, Start Num: 2

Candidate Starts for Sharkboy_38:

(Start: 2 @27042 has 13 MA's), (3, 27048), (4, 27060), (6, 27087), (7, 27108),