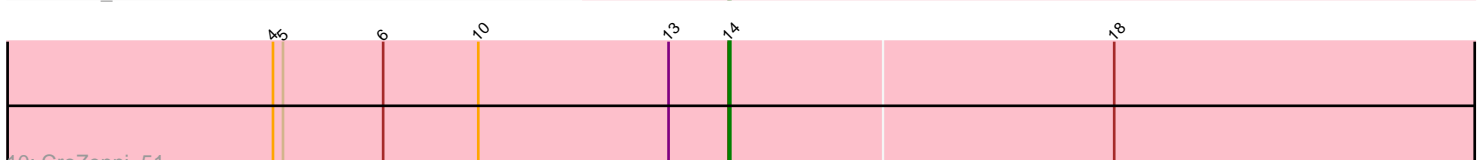
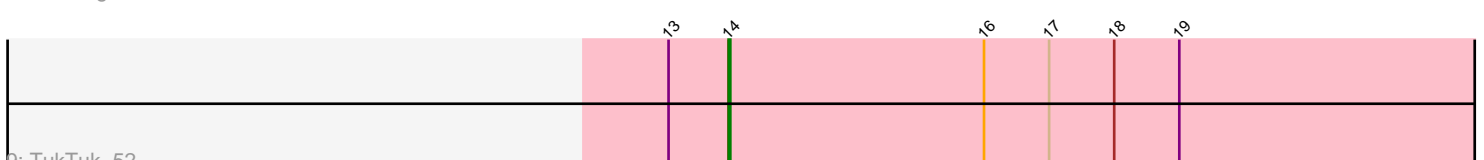
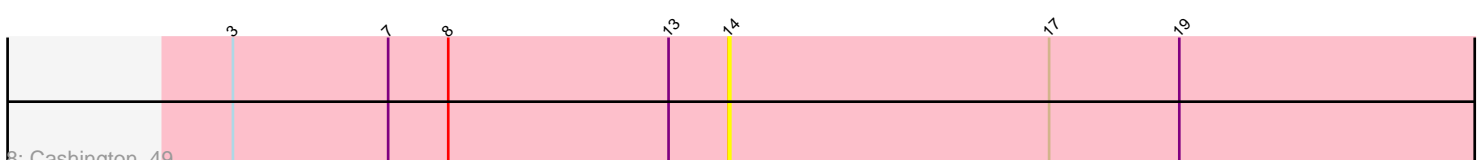
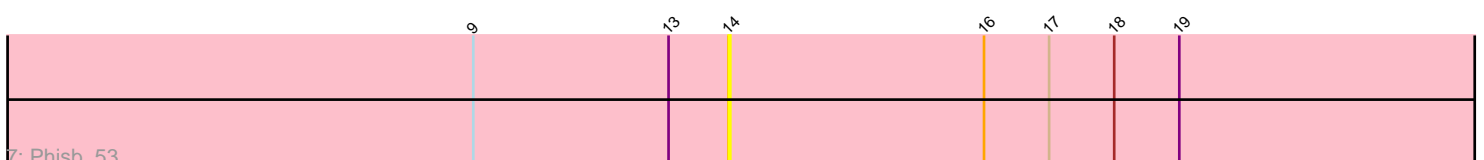
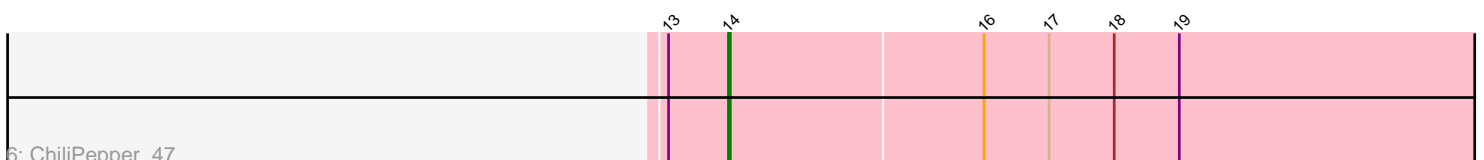
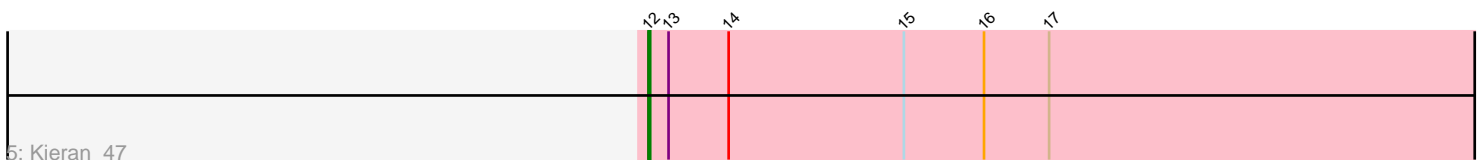
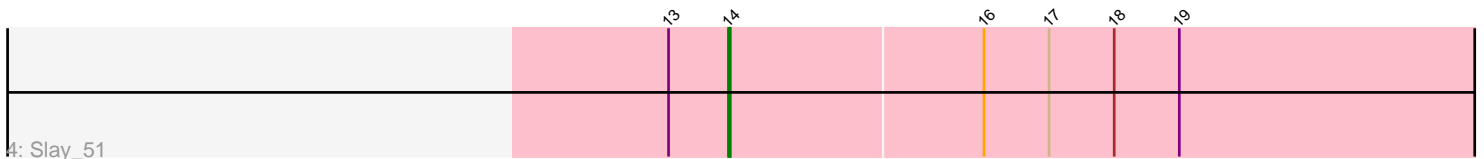
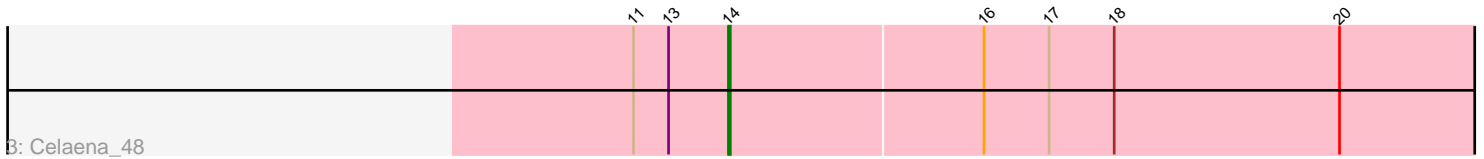
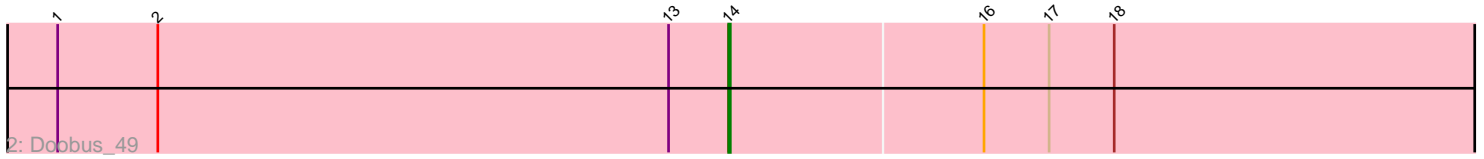
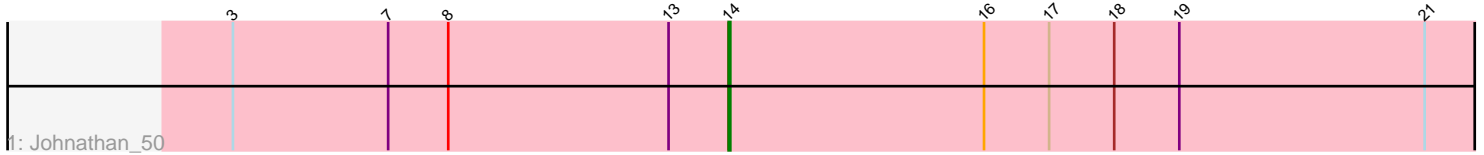


Pham 164109



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 164109 Report

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

Pham number 164109 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Johnathan_50
- Track 2 : Doobus_49
- Track 3 : Celaena_48
- Track 4 : Slay_51
- Track 5 : Kieran_47
- Track 6 : ChiliPepper_47
- Track 7 : Phisb_53
- Track 8 : Cashington_49
- Track 9 : TukTuk_52
- Track 10 : CroZenni_51

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 14, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cashington_49, Celaena_48, ChiliPepper_47, CroZenni_51, Doobus_49, Johnathan_50, Phisb_53, Slay_51, TukTuk_52,

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

- Kieran_47,

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

-

Summary by start number:

Start 12:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kieran_47 (EB),

Start 14:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 90.0% of time when present
- Phage (with cluster) where this start called: Cashington_49 (EB), Celaena_48 (EB), ChiliPepper_47 (EB), CroZenni_51 (EB), Doobus_49 (EB), Johnathan_50 (EB), Phisb_53 (EB), Slay_51 (EB), TukTuk_52 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 12 was manually annotated 1 time for cluster EB.
- Start number 14 was manually annotated 7 times for cluster EB.

Gene Information:

Gene: Cashington_49 Start: 33456, Stop: 33944, Start Num: 14

Candidate Starts for Cashington_49:

(3, 33159), (7, 33252), (8, 33288), (13, 33420), (Start: 14 @33456 has 7 MA's), (17, 33648), (19, 33726),

Gene: Celaena_48 Start: 35134, Stop: 35619, Start Num: 14

Candidate Starts for Celaena_48:

(11, 35077), (13, 35098), (Start: 14 @35134 has 7 MA's), (16, 35284), (17, 35323), (18, 35362), (20, 35497),

Gene: ChiliPepper_47 Start: 34434, Stop: 34919, Start Num: 14

Candidate Starts for ChiliPepper_47:

(13, 34398), (Start: 14 @34434 has 7 MA's), (16, 34584), (17, 34623), (18, 34662), (19, 34701),

Gene: CroZenni_51 Start: 33989, Stop: 34474, Start Num: 14

Candidate Starts for CroZenni_51:

(4, 33716), (5, 33722), (6, 33782), (10, 33839), (13, 33953), (Start: 14 @33989 has 7 MA's), (18, 34217),

Gene: Doobus_49 Start: 33650, Stop: 34138, Start Num: 14

Candidate Starts for Doobus_49:

(1, 33248), (2, 33308), (13, 33614), (Start: 14 @33650 has 7 MA's), (16, 33800), (17, 33839), (18, 33878),

Gene: Johnathan_50 Start: 33482, Stop: 33970, Start Num: 14

Candidate Starts for Johnathan_50:

(3, 33185), (7, 33278), (8, 33314), (13, 33446), (Start: 14 @33482 has 7 MA's), (16, 33635), (17, 33674), (18, 33713), (19, 33752), (21, 33899),

Gene: Kieran_47 Start: 34346, Stop: 34882, Start Num: 12

Candidate Starts for Kieran_47:

(Start: 12 @34346 has 1 MA's), (13, 34358), (Start: 14 @34394 has 7 MA's), (15, 34499), (16, 34547), (17, 34586),

Gene: Phisb_53 Start: 34065, Stop: 34553, Start Num: 14

Candidate Starts for Phisb_53:

(9, 33912), (13, 34029), (Start: 14 @34065 has 7 MA's), (16, 34218), (17, 34257), (18, 34296), (19, 34335),

Gene: Slay_51 Start: 34383, Stop: 34871, Start Num: 14

Candidate Starts for Slay_51:

(13, 34347), (Start: 14 @34383 has 7 MA's), (16, 34533), (17, 34572), (18, 34611), (19, 34650),

Gene: TukTuk_52 Start: 34122, Stop: 34610, Start Num: 14

Candidate Starts for TukTuk_52:

(13, 34086), (Start: 14 @34122 has 7 MA's), (16, 34275), (17, 34314), (18, 34353), (19, 34392),