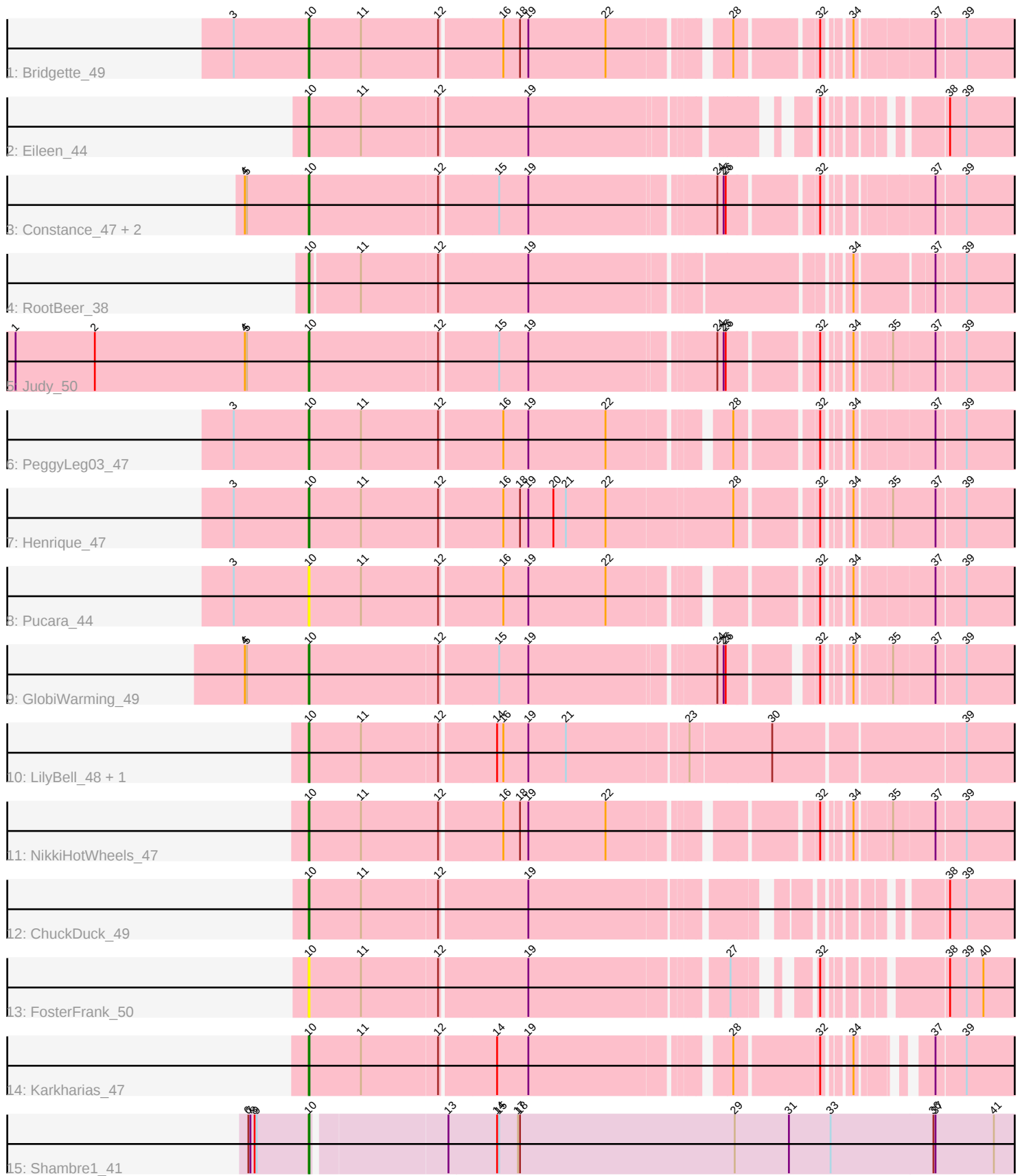


# Pham 329479



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 329479 Report

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

Pham number 329479 has 18 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Bridgette\_49
- Track 2 : Eileen\_44
- Track 3 : Constance\_47, KayMoney\_47, LittleRon\_45
- Track 4 : RootBeer\_38
- Track 5 : Judy\_50
- Track 6 : PeggyLeg03\_47
- Track 7 : Henrique\_47
- Track 8 : Pucara\_44
- Track 9 : GlobiWarming\_49
- Track 10 : LilyBell\_48, NidoQ\_44
- Track 11 : NikkiHotWheels\_47
- Track 12 : ChuckDuck\_49
- Track 13 : FosterFrank\_50
- Track 14 : Karkharias\_47
- Track 15 : Shambre1\_41

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

The start number called the most often in the published annotations is 10, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bridgette\_49, ChuckDuck\_49, Constance\_47, Eileen\_44, FosterFrank\_50, GlobiWarming\_49, Henrique\_47, Judy\_50, Karkharias\_47, KayMoney\_47, LilyBell\_48, LittleRon\_45, NidoQ\_44, NikkiHotWheels\_47, PeggyLeg03\_47, Pucara\_44, RootBeer\_38, Shambre1\_41,

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 10:

- Found in 18 of 18 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bridgette\_49 (FA), ChuckDuck\_49 (FA), Constance\_47 (FA), Eileen\_44 (FA), FosterFrank\_50 (FA), GlobiWarming\_49 (FA), Henrique\_47 (FA), Judy\_50 (FA), Karkharias\_47 (FA), KayMoney\_47 (FA), LilyBell\_48 (FA), LittleRon\_45 (FA), NidoQ\_44 (FA), NikkiHotWheels\_47 (FA), PeggyLeg03\_47 (FA), Pucara\_44 (FA), RootBeer\_38 (FA), Shambre1\_41 (singleton),

### Summary by clusters:

There are 2 clusters represented in this pham: FA, singleton,

Info for manual annotations of cluster FA:

- Start number 10 was manually annotated 13 times for cluster FA.

### Gene Information:

Gene: Bridgette\_49 Start: 31889, Stop: 32794, Start Num: 10

Candidate Starts for Bridgette\_49:

(3, 31781), (Start: 10 @31889 has 14 MA's), (11, 31964), (12, 32075), (16, 32159), (18, 32183), (19, 32195), (22, 32306), (28, 32450), (32, 32552), (34, 32579), (37, 32681), (39, 32720),

Gene: ChuckDuck\_49 Start: 31325, Stop: 32191, Start Num: 10

Candidate Starts for ChuckDuck\_49:

(Start: 10 @31325 has 14 MA's), (11, 31400), (12, 31508), (19, 31628), (38, 32093), (39, 32117),

Gene: Constance\_47 Start: 31516, Stop: 32430, Start Num: 10

Candidate Starts for Constance\_47:

(4, 31426), (5, 31429), (Start: 10 @31516 has 14 MA's), (12, 31699), (15, 31777), (19, 31819), (24, 32065), (25, 32074), (26, 32077), (32, 32188), (37, 32317), (39, 32356),

Gene: Eileen\_44 Start: 29832, Stop: 30680, Start Num: 10

Candidate Starts for Eileen\_44:

(Start: 10 @29832 has 14 MA's), (11, 29907), (12, 30015), (19, 30135), (32, 30462), (38, 30582), (39, 30606),

Gene: FosterFrank\_50 Start: 31513, Stop: 32376, Start Num: 10

Candidate Starts for FosterFrank\_50:

(Start: 10 @31513 has 14 MA's), (11, 31588), (12, 31696), (19, 31816), (27, 32074), (32, 32146), (38, 32278), (39, 32302), (40, 32326),

Gene: GlobiWarming\_49 Start: 31284, Stop: 32189, Start Num: 10

Candidate Starts for GlobiWarming\_49:

(4, 31194), (5, 31197), (Start: 10 @31284 has 14 MA's), (12, 31467), (15, 31545), (19, 31587), (24, 31833), (25, 31842), (26, 31845), (32, 31947), (34, 31974), (35, 32019), (37, 32076), (39, 32115),

Gene: Henrique\_47 Start: 30734, Stop: 31669, Start Num: 10

Candidate Starts for Henrique\_47:

(3, 30626), (Start: 10 @30734 has 14 MA's), (11, 30809), (12, 30920), (16, 31004), (18, 31028), (19, 31040), (20, 31076), (21, 31094), (22, 31151), (28, 31322), (32, 31424), (34, 31451), (35, 31496), (37, 31556), (39, 31595),

Gene: Judy\_50 Start: 32343, Stop: 33257, Start Num: 10

Candidate Starts for Judy\_50:

(1, 31923), (2, 32037), (4, 32253), (5, 32256), (Start: 10 @32343 has 14 MA's), (12, 32526), (15, 32604), (19, 32646), (24, 32892), (25, 32901), (26, 32904), (32, 33015), (34, 33042), (35, 33087), (37, 33144), (39, 33183),

Gene: Karkharias\_47 Start: 31441, Stop: 32322, Start Num: 10

Candidate Starts for Karkharias\_47:

(Start: 10 @31441 has 14 MA's), (11, 31516), (12, 31624), (14, 31699), (19, 31744), (28, 31999), (32, 32110), (34, 32137), (37, 32209), (39, 32248),

Gene: KayMoney\_47 Start: 30859, Stop: 31773, Start Num: 10

Candidate Starts for KayMoney\_47:

(4, 30769), (5, 30772), (Start: 10 @30859 has 14 MA's), (12, 31042), (15, 31120), (19, 31162), (24, 31408), (25, 31417), (26, 31420), (32, 31531), (37, 31660), (39, 31699),

Gene: LilyBell\_48 Start: 31454, Stop: 32422, Start Num: 10

Candidate Starts for LilyBell\_48:

(Start: 10 @31454 has 14 MA's), (11, 31529), (12, 31637), (14, 31712), (16, 31721), (19, 31757), (21, 31811), (23, 31976), (30, 32084), (39, 32342),

Gene: LittleRon\_45 Start: 30456, Stop: 31370, Start Num: 10

Candidate Starts for LittleRon\_45:

(4, 30366), (5, 30369), (Start: 10 @30456 has 14 MA's), (12, 30639), (15, 30717), (19, 30759), (24, 31005), (25, 31014), (26, 31017), (32, 31128), (37, 31257), (39, 31296),

Gene: NidoQ\_44 Start: 30618, Stop: 31583, Start Num: 10

Candidate Starts for NidoQ\_44:

(Start: 10 @30618 has 14 MA's), (11, 30693), (12, 30801), (14, 30876), (16, 30885), (19, 30921), (21, 30975), (23, 31140), (30, 31248), (39, 31503),

Gene: NikkiHotWheels\_47 Start: 30840, Stop: 31745, Start Num: 10

Candidate Starts for NikkiHotWheels\_47:

(Start: 10 @30840 has 14 MA's), (11, 30915), (12, 31026), (16, 31110), (18, 31134), (19, 31146), (22, 31257), (32, 31503), (34, 31530), (35, 31575), (37, 31632), (39, 31671),

Gene: PeggyLeg03\_47 Start: 31530, Stop: 32435, Start Num: 10

Candidate Starts for PeggyLeg03\_47:

(3, 31422), (Start: 10 @31530 has 14 MA's), (11, 31605), (12, 31716), (16, 31800), (19, 31836), (22, 31947), (28, 32091), (32, 32193), (34, 32220), (37, 32322), (39, 32361),

Gene: Pucara\_44 Start: 31135, Stop: 32040, Start Num: 10

Candidate Starts for Pucara\_44:

(3, 31027), (Start: 10 @31135 has 14 MA's), (11, 31210), (12, 31321), (16, 31405), (19, 31441), (22, 31552), (32, 31798), (34, 31825), (37, 31927), (39, 31966),

Gene: RootBeer\_38 Start: 27630, Stop: 28544, Start Num: 10

Candidate Starts for RootBeer\_38:

(Start: 10 @27630 has 14 MA's), (11, 27699), (12, 27807), (19, 27927), (34, 28329), (37, 28431), (39, 28470),

Gene: Shambre1\_41 Start: 27134, Stop: 28132, Start Num: 10

Candidate Starts for Shambre1\_41:

(6, 27047), (7, 27050), (8, 27056), (9, 27059), (Start: 10 @27134 has 14 MA's), (13, 27317), (14, 27386), (15, 27389), (17, 27416), (18, 27419), (29, 27728), (31, 27806), (33, 27866), (36, 28013), (37, 28016), (41, 28100),