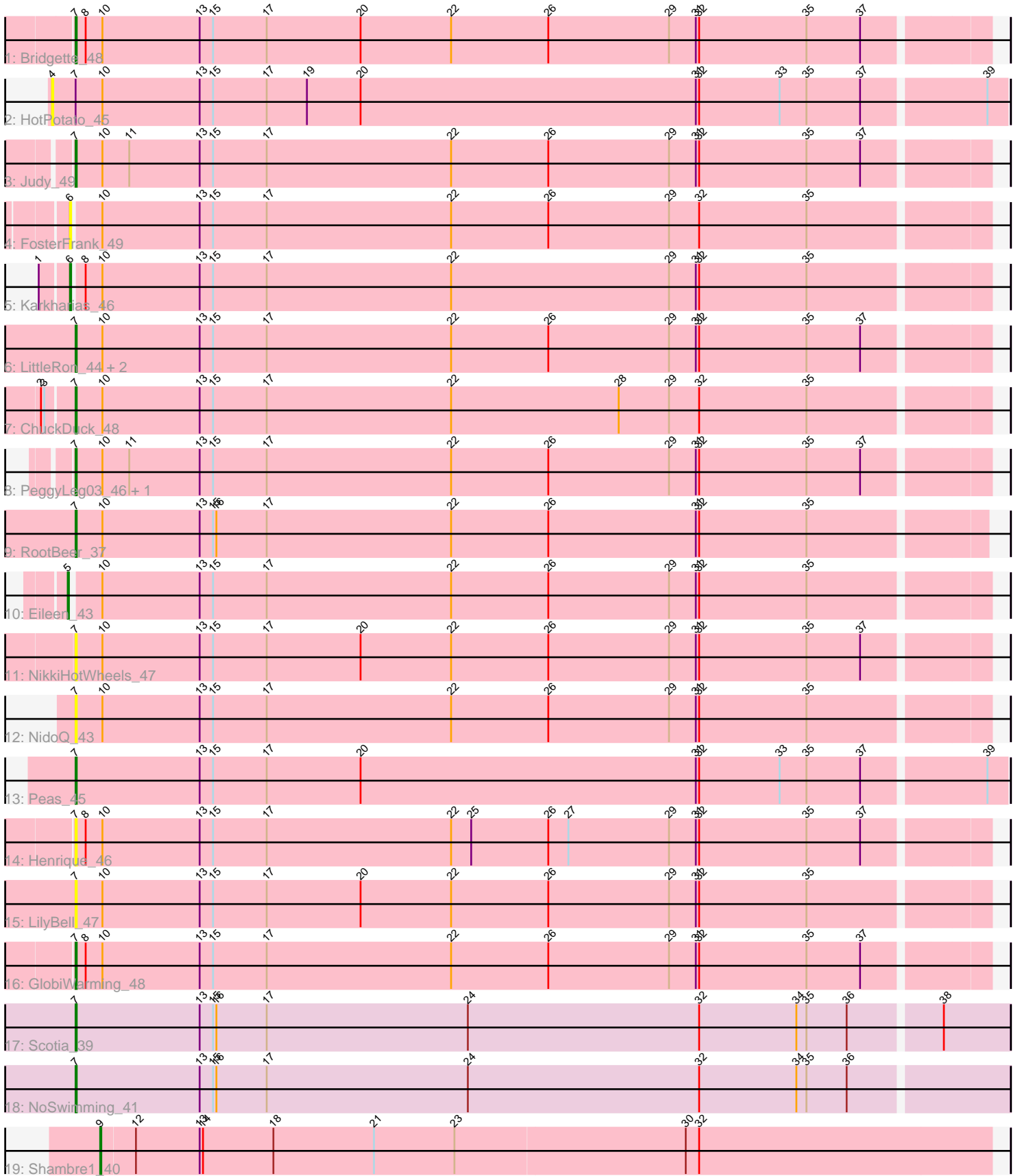


Pham 296934



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 296934 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296934 has 22 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Bridgette_48
- Track 2 : HotPotato_45
- Track 3 : Judy_49
- Track 4 : FosterFrank_49
- Track 5 : Karkharias_46
- Track 6 : LittleRon_44, Constance_46, KayMoney_46
- Track 7 : ChuckDuck_48
- Track 8 : PeggyLeg03_46, Pucara_43
- Track 9 : RootBeer_37
- Track 10 : Eileen_43
- Track 11 : NikkiHotWheels_47
- Track 12 : NidoQ_43
- Track 13 : Peas_45
- Track 14 : Henrique_46
- Track 15 : LilyBell_47
- Track 16 : GlobiWarming_48
- Track 17 : Scotia_39
- Track 18 : NoSwimming_41
- Track 19 : Shambre1_40

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

The start number called the most often in the published annotations is 7, it was called in 11 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bridgette_48, ChuckDuck_48, Constance_46, GlobiWarming_48, Henrique_46, Judy_49, KayMoney_46, LilyBell_47, LittleRon_44, NidoQ_43, NikkiHotWheels_47, NoSwimming_41, Peas_45, PeggyLeg03_46, Pucara_43, RootBeer_37, Scotia_39,

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

- HotPotato_45,

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

- Eileen_43, FosterFrank_49, Karkharias_46, Shambre1_40,

Summary by start number:

Start 4:

- Found in 1 of 22 (4.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: HotPotato_45 (FA),

Start 5:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Eileen_43 (FA),

Start 6:

- Found in 2 of 22 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FosterFrank_49 (FA), Karkharias_46 (FA),

Start 7:

- Found in 18 of 22 (81.8%) of genes in pham
- Manual Annotations of this start: 11 of 14
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Bridgette_48 (FA), ChuckDuck_48 (FA), Constance_46 (FA), GlobiWarming_48 (FA), Henrique_46 (FA), Judy_49 (FA), KayMoney_46 (FA), LilyBell_47 (FA), LittleRon_44 (FA), NidoQ_43 (FA), NikkiHotWheels_47 (FA), NoSwimming_41 (FO), Peas_45 (FA), PeggyLeg03_46 (FA), Pucara_43 (FA), RootBeer_37 (FA), Scotia_39 (FO),

Start 9:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shambre1_40 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: FA, singleton, FO,

Info for manual annotations of cluster FA:

- Start number 5 was manually annotated 1 time for cluster FA.
- Start number 6 was manually annotated 1 time for cluster FA.
- Start number 7 was manually annotated 9 times for cluster FA.

Info for manual annotations of cluster FO:

- Start number 7 was manually annotated 2 times for cluster FO.

Gene Information:

Gene: Bridgette_48 Start: 31057, Stop: 31863, Start Num: 7

Candidate Starts for Bridgette_48:

(Start: 7 @31057 has 11 MA's), (8, 31066), (10, 31081), (13, 31168), (15, 31180), (17, 31228), (20, 31312), (22, 31393), (26, 31480), (29, 31588), (31, 31612), (32, 31615), (35, 31711), (37, 31759),

Gene: ChuckDuck_48 Start: 30497, Stop: 31303, Start Num: 7

Candidate Starts for ChuckDuck_48:

(2, 30470), (3, 30473), (Start: 7 @30497 has 11 MA's), (10, 30521), (13, 30608), (15, 30620), (17, 30668), (22, 30833), (28, 30983), (29, 31028), (32, 31055), (35, 31151),

Gene: Constance_46 Start: 30686, Stop: 31492, Start Num: 7

Candidate Starts for Constance_46:

(Start: 7 @30686 has 11 MA's), (10, 30710), (13, 30797), (15, 30809), (17, 30857), (22, 31022), (26, 31109), (29, 31217), (31, 31241), (32, 31244), (35, 31340), (37, 31388),

Gene: Eileen_43 Start: 29004, Stop: 29810, Start Num: 5

Candidate Starts for Eileen_43:

(Start: 5 @29004 has 1 MA's), (10, 29028), (13, 29115), (15, 29127), (17, 29175), (22, 29340), (26, 29427), (29, 29535), (31, 29559), (32, 29562), (35, 29658),

Gene: FosterFrank_49 Start: 30685, Stop: 31491, Start Num: 6

Candidate Starts for FosterFrank_49:

(Start: 6 @30685 has 1 MA's), (10, 30709), (13, 30796), (15, 30808), (17, 30856), (22, 31021), (26, 31108), (29, 31216), (32, 31243), (35, 31339),

Gene: GlobiWarming_48 Start: 30454, Stop: 31260, Start Num: 7

Candidate Starts for GlobiWarming_48:

(Start: 7 @30454 has 11 MA's), (8, 30463), (10, 30478), (13, 30565), (15, 30577), (17, 30625), (22, 30790), (26, 30877), (29, 30985), (31, 31009), (32, 31012), (35, 31108), (37, 31156),

Gene: Henrique_46 Start: 29902, Stop: 30708, Start Num: 7

Candidate Starts for Henrique_46:

(Start: 7 @29902 has 11 MA's), (8, 29911), (10, 29926), (13, 30013), (15, 30025), (17, 30073), (22, 30238), (25, 30256), (26, 30325), (27, 30343), (29, 30433), (31, 30457), (32, 30460), (35, 30556), (37, 30604),

Gene: HotPotato_45 Start: 30670, Stop: 31515, Start Num: 4

Candidate Starts for HotPotato_45:

(4, 30670), (Start: 7 @30691 has 11 MA's), (10, 30715), (13, 30802), (15, 30814), (17, 30862), (19, 30898), (20, 30946), (31, 31246), (32, 31249), (33, 31321), (35, 31345), (37, 31393), (39, 31498),

Gene: Judy_49 Start: 31513, Stop: 32319, Start Num: 7

Candidate Starts for Judy_49:

(Start: 7 @31513 has 11 MA's), (10, 31537), (11, 31561), (13, 31624), (15, 31636), (17, 31684), (22, 31849), (26, 31936), (29, 32044), (31, 32068), (32, 32071), (35, 32167), (37, 32215),

Gene: Karkharias_46 Start: 30610, Stop: 31416, Start Num: 6

Candidate Starts for Karkharias_46:

(1, 30586), (Start: 6 @30610 has 1 MA's), (8, 30619), (10, 30634), (13, 30721), (15, 30733), (17, 30781), (22, 30946), (29, 31141), (31, 31165), (32, 31168), (35, 31264),

Gene: KayMoney_46 Start: 30029, Stop: 30835, Start Num: 7

Candidate Starts for KayMoney_46:

(Start: 7 @30029 has 11 MA's), (10, 30053), (13, 30140), (15, 30152), (17, 30200), (22, 30365), (26, 30452), (29, 30560), (31, 30584), (32, 30587), (35, 30683), (37, 30731),

Gene: LilyBell_47 Start: 30623, Stop: 31429, Start Num: 7

Candidate Starts for LilyBell_47:

(Start: 7 @30623 has 11 MA's), (10, 30647), (13, 30734), (15, 30746), (17, 30794), (20, 30878), (22, 30959), (26, 31046), (29, 31154), (31, 31178), (32, 31181), (35, 31277),

Gene: LittleRon_44 Start: 29626, Stop: 30432, Start Num: 7

Candidate Starts for LittleRon_44:

(Start: 7 @29626 has 11 MA's), (10, 29650), (13, 29737), (15, 29749), (17, 29797), (22, 29962), (26, 30049), (29, 30157), (31, 30181), (32, 30184), (35, 30280), (37, 30328),

Gene: NidoQ_43 Start: 29787, Stop: 30593, Start Num: 7

Candidate Starts for NidoQ_43:

(Start: 7 @29787 has 11 MA's), (10, 29811), (13, 29898), (15, 29910), (17, 29958), (22, 30123), (26, 30210), (29, 30318), (31, 30342), (32, 30345), (35, 30441),

Gene: NikkiHotWheels_47 Start: 30009, Stop: 30815, Start Num: 7

Candidate Starts for NikkiHotWheels_47:

(Start: 7 @30009 has 11 MA's), (10, 30033), (13, 30120), (15, 30132), (17, 30180), (20, 30264), (22, 30345), (26, 30432), (29, 30540), (31, 30564), (32, 30567), (35, 30663), (37, 30711),

Gene: NoSwimming_41 Start: 29687, Stop: 30514, Start Num: 7

Candidate Starts for NoSwimming_41:

(Start: 7 @29687 has 11 MA's), (13, 29798), (15, 29810), (16, 29813), (17, 29858), (24, 30038), (32, 30245), (34, 30332), (35, 30341), (36, 30377),

Gene: Peas_45 Start: 31548, Stop: 32372, Start Num: 7

Candidate Starts for Peas_45:

(Start: 7 @31548 has 11 MA's), (13, 31659), (15, 31671), (17, 31719), (20, 31803), (31, 32103), (32, 32106), (33, 32178), (35, 32202), (37, 32250), (39, 32355),

Gene: PeggyLeg03_46 Start: 30698, Stop: 31504, Start Num: 7

Candidate Starts for PeggyLeg03_46:

(Start: 7 @30698 has 11 MA's), (10, 30722), (11, 30746), (13, 30809), (15, 30821), (17, 30869), (22, 31034), (26, 31121), (29, 31229), (31, 31253), (32, 31256), (35, 31352), (37, 31400),

Gene: Pucara_43 Start: 30303, Stop: 31109, Start Num: 7

Candidate Starts for Pucara_43:

(Start: 7 @30303 has 11 MA's), (10, 30327), (11, 30351), (13, 30414), (15, 30426), (17, 30474), (22, 30639), (26, 30726), (29, 30834), (31, 30858), (32, 30861), (35, 30957), (37, 31005),

Gene: RootBeer_37 Start: 26799, Stop: 27602, Start Num: 7

Candidate Starts for RootBeer_37:

(Start: 7 @26799 has 11 MA's), (10, 26823), (13, 26910), (15, 26922), (16, 26925), (17, 26970), (22, 27135), (26, 27222), (31, 27354), (32, 27357), (35, 27453),

Gene: Scotia_39 Start: 28728, Stop: 29555, Start Num: 7

Candidate Starts for Scotia_39:

(Start: 7 @28728 has 11 MA's), (13, 28839), (15, 28851), (16, 28854), (17, 28899), (24, 29079), (32, 29286), (34, 29373), (35, 29382), (36, 29418), (38, 29496),

Gene: Shambre1_40 Start: 26325, Stop: 27116, Start Num: 9

Candidate Starts for Shambre1_40:

(Start: 9 @26325 has 1 MA's), (12, 26355), (13, 26412), (14, 26415), (18, 26478), (21, 26568), (23, 26640), (30, 26844), (32, 26856),