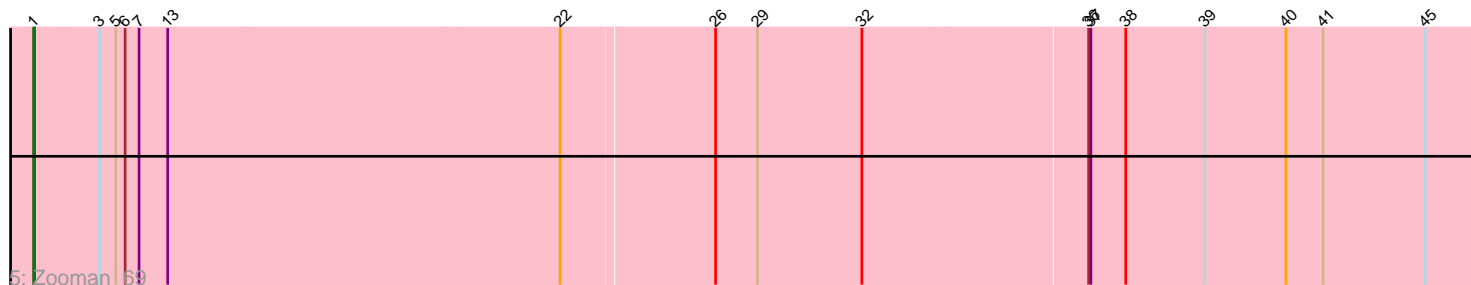
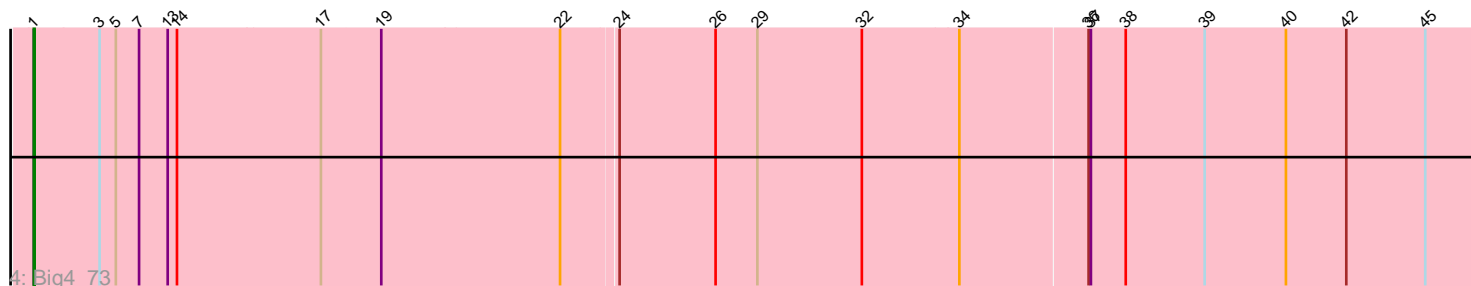
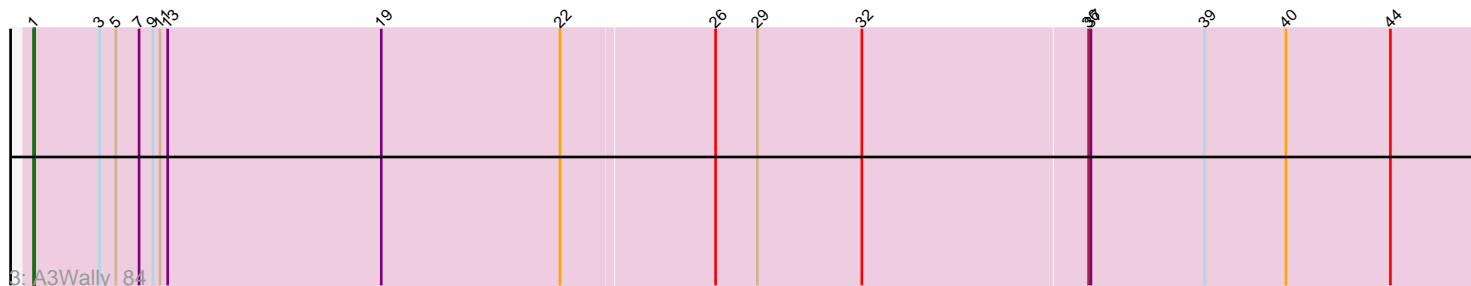
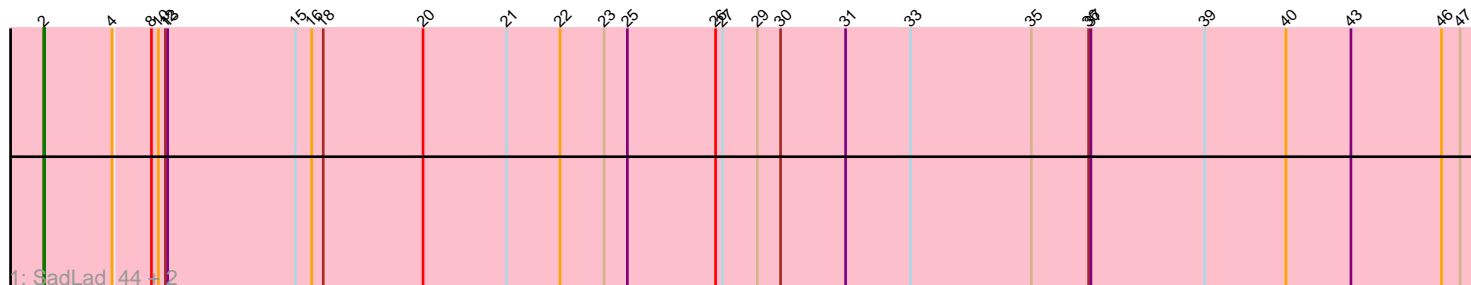


Pham 6745



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 6745 Report

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

Pham number 6745 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : SadLad_44, Fransoyer_42, RubyRalph_42
- Track 2 : PauloDiaboli_84
- Track 3 : A3Wally_84
- Track 4 : Big4_73
- Track 5 : Zooman_69

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A3Wally_84, Big4_73, PauloDiaboli_84, Zooman_69,

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

-

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

- Fransoyer_42, RubyRalph_42, SadLad_44,

Summary by start number:

Start 1:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_84 (GD1), Big4_73 (GD2), PauloDiaboli_84 (GD1), Zooman_69 (GD2),

Start 2:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Fransoyer_42 (EG), RubyRalph_42 (EG), SadLad_44 (EG),

Summary by clusters:

There are 3 clusters represented in this pham: GD1, EG, GD2,

Info for manual annotations of cluster EG:

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

Info for manual annotations of cluster GD1:

- Start number 1 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 1 was manually annotated 2 times for cluster GD2.

Gene Information:

Gene: A3Wally_84 Start: 31880, Stop: 33715, Start Num: 1

Candidate Starts for A3Wally_84:

(Start: 1 @31880 has 4 MA's), (3, 31964), (5, 31985), (7, 32015), (9, 32033), (11, 32042), (13, 32051), (19, 32321), (22, 32549), (26, 32738), (29, 32792), (32, 32927), (36, 33212), (37, 33215), (39, 33362), (40, 33467), (44, 33602),

Gene: Big4_73 Start: 31170, Stop: 33005, Start Num: 1

Candidate Starts for Big4_73:

(Start: 1 @31170 has 4 MA's), (3, 31254), (5, 31275), (7, 31305), (13, 31341), (14, 31353), (17, 31536), (19, 31611), (22, 31839), (24, 31905), (26, 32028), (29, 32082), (32, 32217), (34, 32340), (36, 32502), (37, 32505), (38, 32550), (39, 32652), (40, 32757), (42, 32835), (45, 32937),

Gene: Fransoyer_42 Start: 32242, Stop: 34083, Start Num: 2

Candidate Starts for Fransoyer_42:

(Start: 2 @32242 has 3 MA's), (4, 32329), (8, 32371), (10, 32380), (12, 32389), (13, 32392), (15, 32557), (16, 32578), (18, 32593), (20, 32722), (21, 32830), (22, 32899), (23, 32956), (25, 32986), (26, 33100), (27, 33109), (29, 33154), (30, 33184), (31, 33268), (33, 33352), (35, 33508), (36, 33580), (37, 33583), (39, 33730), (40, 33835), (43, 33919), (46, 34036), (47, 34060),

Gene: PauloDiaboli_84 Start: 31237, Stop: 33072, Start Num: 1

Candidate Starts for PauloDiaboli_84:

(Start: 1 @31237 has 4 MA's), (3, 31321), (5, 31342), (7, 31372), (9, 31390), (11, 31399), (13, 31408), (19, 31678), (22, 31906), (26, 32095), (28, 32137), (29, 32149), (32, 32284), (36, 32569), (37, 32572), (39, 32719), (40, 32824), (44, 32959),

Gene: RubyRalph_42 Start: 32170, Stop: 34011, Start Num: 2

Candidate Starts for RubyRalph_42:

(Start: 2 @32170 has 3 MA's), (4, 32257), (8, 32299), (10, 32308), (12, 32317), (13, 32320), (15, 32485), (16, 32506), (18, 32521), (20, 32650), (21, 32758), (22, 32827), (23, 32884), (25, 32914), (26, 33028), (27, 33037), (29, 33082), (30, 33112), (31, 33196), (33, 33280), (35, 33436), (36, 33508), (37, 33511), (39, 33658), (40, 33763), (43, 33847), (46, 33964), (47, 33988),

Gene: SadLad_44 Start: 33113, Stop: 34954, Start Num: 2

Candidate Starts for SadLad_44:

(Start: 2 @33113 has 3 MA's), (4, 33200), (8, 33242), (10, 33251), (12, 33260), (13, 33263), (15, 33428), (16, 33449), (18, 33464), (20, 33593), (21, 33701), (22, 33770), (23, 33827), (25, 33857), (26, 33971), (27, 33980), (29, 34025), (30, 34055), (31, 34139), (33, 34223), (35, 34379), (36, 34451), (37, 34454), (39, 34601), (40, 34706), (43, 34790), (46, 34907), (47, 34931),

Gene: Zooman_69 Start: 29838, Stop: 31673, Start Num: 1

Candidate Starts for Zooman_69:

(Start: 1 @29838 has 4 MA's), (3, 29922), (5, 29943), (6, 29955), (7, 29973), (13, 30009), (22, 30507), (26, 30696), (29, 30750), (32, 30885), (36, 31170), (37, 31173), (38, 31218), (39, 31320), (40, 31425), (41, 31473), (45, 31605),