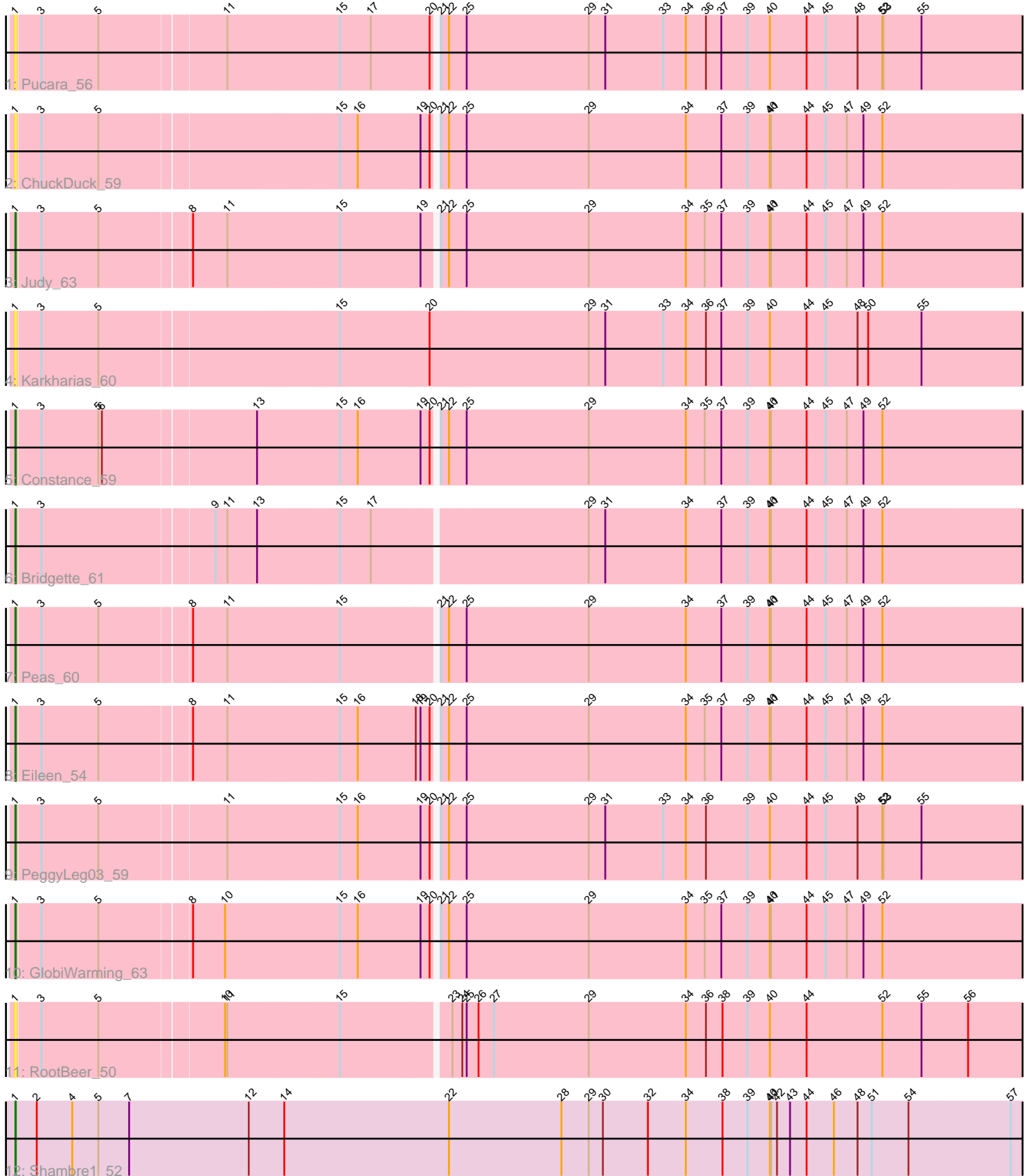


Pham 87755



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 87755 Report

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

Pham number 87755 has 12 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Pucara_56
- Track 2 : ChuckDuck_59
- Track 3 : Judy_63
- Track 4 : Karkharias_60
- Track 5 : Constance_59
- Track 6 : Bridgette_61
- Track 7 : Peas_60
- Track 8 : Eileen_54
- Track 9 : PeggyLeg03_59
- Track 10 : GlobiWarming_63
- Track 11 : RootBeer_50
- Track 12 : Shambre1_52

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bridgette_61, ChuckDuck_59, Constance_59, Eileen_54, GlobiWarming_63, Judy_63, Karkharias_60, Peas_60, PeggyLeg03_59, Pucara_56, RootBeer_50, Shambre1_52,

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 1:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bridgette_61 (FA), ChuckDuck_59 (FA), Constance_59 (FA), Eileen_54 (FA), GlobiWarming_63 (FA), Judy_63 (FA), Karkharias_60 (FA), Peas_60 (FA), PeggyLeg03_59 (FA), Pucara_56 (FA), RootBeer_50 (FA), Shambre1_52 (singleton),

Summary by clusters:

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

Info for manual annotations of cluster FA:

- Start number 1 was manually annotated 7 times for cluster FA.

Gene Information:

Gene: Bridgette_61 Start: 36985, Stop: 39504, Start Num: 1

Candidate Starts for Bridgette_61:

(Start: 1 @36985 has 8 MA's), (3, 37045), (9, 37462), (11, 37492), (13, 37567), (15, 37768), (17, 37846), (29, 38365), (31, 38407), (34, 38611), (37, 38701), (39, 38767), (40, 38824), (41, 38827), (44, 38917), (45, 38965), (47, 39019), (49, 39061), (52, 39109),

Gene: ChuckDuck_59 Start: 36692, Stop: 39205, Start Num: 1

Candidate Starts for ChuckDuck_59:

(Start: 1 @36692 has 8 MA's), (3, 36752), (5, 36896), (15, 37475), (16, 37520), (19, 37676), (20, 37697), (21, 37706), (22, 37721), (25, 37757), (29, 38066), (34, 38312), (37, 38402), (39, 38468), (40, 38525), (41, 38528), (44, 38618), (45, 38666), (47, 38720), (49, 38762), (52, 38810),

Gene: Constance_59 Start: 37290, Stop: 39803, Start Num: 1

Candidate Starts for Constance_59:

(Start: 1 @37290 has 8 MA's), (3, 37350), (5, 37494), (6, 37503), (13, 37872), (15, 38073), (16, 38118), (19, 38274), (20, 38295), (21, 38304), (22, 38319), (25, 38355), (29, 38664), (34, 38910), (35, 38958), (37, 39000), (39, 39066), (40, 39123), (41, 39126), (44, 39216), (45, 39264), (47, 39318), (49, 39360), (52, 39408),

Gene: Eileen_54 Start: 34160, Stop: 36673, Start Num: 1

Candidate Starts for Eileen_54:

(Start: 1 @34160 has 8 MA's), (3, 34220), (5, 34364), (8, 34580), (11, 34667), (15, 34943), (16, 34988), (18, 35132), (19, 35144), (20, 35165), (21, 35174), (22, 35189), (25, 35225), (29, 35534), (34, 35780), (35, 35828), (37, 35870), (39, 35936), (40, 35993), (41, 35996), (44, 36086), (45, 36134), (47, 36188), (49, 36230), (52, 36278),

Gene: GlobiWarming_63 Start: 36491, Stop: 39004, Start Num: 1

Candidate Starts for GlobiWarming_63:

(Start: 1 @36491 has 8 MA's), (3, 36551), (5, 36695), (8, 36911), (10, 36992), (15, 37274), (16, 37319), (19, 37475), (20, 37496), (21, 37505), (22, 37520), (25, 37556), (29, 37865), (34, 38111), (35, 38159), (37, 38201), (39, 38267), (40, 38324), (41, 38327), (44, 38417), (45, 38465), (47, 38519), (49, 38561), (52, 38609),

Gene: Judy_63 Start: 37445, Stop: 39958, Start Num: 1

Candidate Starts for Judy_63:

(Start: 1 @37445 has 8 MA's), (3, 37505), (5, 37649), (8, 37865), (11, 37952), (15, 38228), (19, 38429), (21, 38459), (22, 38474), (25, 38510), (29, 38819), (34, 39065), (35, 39113), (37, 39155), (39, 39221), (40, 39278), (41, 39281), (44, 39371), (45, 39419), (47, 39473), (49, 39515), (52, 39563),

Gene: Karkharias_60 Start: 36311, Stop: 38845, Start Num: 1

Candidate Starts for Karkharias_60:

(Start: 1 @36311 has 8 MA's), (3, 36371), (5, 36515), (15, 37094), (20, 37316), (29, 37709), (31, 37751), (33, 37898), (34, 37952), (36, 38003), (37, 38042), (39, 38108), (40, 38165), (44, 38258), (45, 38306), (48, 38387), (50, 38414), (55, 38549),

Gene: Peas_60 Start: 38129, Stop: 40642, Start Num: 1

Candidate Starts for Peas_60:

(Start: 1 @38129 has 8 MA's), (3, 38189), (5, 38333), (8, 38549), (11, 38636), (15, 38912), (21, 39143), (22, 39158), (25, 39194), (29, 39503), (34, 39749), (37, 39839), (39, 39905), (40, 39962), (41, 39965), (44, 40055), (45, 40103), (47, 40157), (49, 40199), (52, 40247),

Gene: PeggyLeg03_59 Start: 36783, Stop: 39293, Start Num: 1

Candidate Starts for PeggyLeg03_59:

(Start: 1 @36783 has 8 MA's), (3, 36843), (5, 36987), (11, 37290), (15, 37566), (16, 37611), (19, 37767), (20, 37788), (21, 37797), (22, 37812), (25, 37848), (29, 38157), (31, 38199), (33, 38346), (34, 38400), (36, 38451), (39, 38556), (40, 38613), (44, 38706), (45, 38754), (48, 38835), (52, 38898), (53, 38901), (55, 38997),

Gene: Pucara_56 Start: 36388, Stop: 38898, Start Num: 1

Candidate Starts for Pucara_56:

(Start: 1 @36388 has 8 MA's), (3, 36448), (5, 36592), (11, 36895), (15, 37171), (17, 37249), (20, 37393), (21, 37402), (22, 37417), (25, 37453), (29, 37762), (31, 37804), (33, 37951), (34, 38005), (36, 38056), (37, 38095), (39, 38161), (40, 38218), (44, 38311), (45, 38359), (48, 38440), (52, 38503), (53, 38506), (55, 38602),

Gene: RootBeer_50 Start: 32978, Stop: 35494, Start Num: 1

Candidate Starts for RootBeer_50:

(Start: 1 @32978 has 8 MA's), (3, 33038), (5, 33182), (10, 33479), (11, 33485), (15, 33761), (23, 34016), (24, 34037), (25, 34046), (26, 34076), (27, 34115), (29, 34355), (34, 34601), (36, 34652), (38, 34694), (39, 34757), (40, 34814), (44, 34907), (52, 35099), (55, 35198), (56, 35312),

Gene: Shambre1_52 Start: 32523, Stop: 35135, Start Num: 1

Candidate Starts for Shambre1_52:

(Start: 1 @32523 has 8 MA's), (2, 32577), (4, 32667), (5, 32733), (7, 32811), (12, 33114), (14, 33204), (22, 33621), (28, 33906), (29, 33975), (30, 34011), (32, 34125), (34, 34221), (38, 34314), (39, 34377), (40, 34434), (41, 34437), (42, 34452), (43, 34485), (44, 34527), (46, 34596), (48, 34656), (51, 34692), (54, 34785), (57, 35043),