

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 284485 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284485 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Rona_17, Kamdara_17, Dismas_17, Kieran_17, ChiliPepper_17
- Track 2 : Celaena_17
- Track 3 : Sharkboy_17
- Track 4 : Bachaco_17

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

The start number called the most often in the published annotations is 12, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ChiliPepper_17, Dismas_17, Kamdara_17, Kieran_17, Rona_17, Sharkboy_17,

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

-

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

- Bachaco_17, Celaena_17,

Summary by start number:

Start 1:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bachaco_17 (EB), Celaena_17 (EB),

Start 12:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ChiliPepper_17 (EB), Dismas_17 (EB), Kamdara_17 (EB), Kieran_17 (EB), Rona_17 (EB), Sharkboy_17 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 1 was manually annotated 2 times for cluster EB.
- Start number 12 was manually annotated 5 times for cluster EB.

Gene Information:

Gene: Bachaco_17 Start: 13521, Stop: 16133, Start Num: 1

Candidate Starts for Bachaco_17:

(Start: 1 @13521 has 2 MA's), (2, 13548), (3, 13587), (4, 13650), (5, 13773), (6, 13854), (7, 13926), (10, 14052), (13, 14190), (15, 14217), (16, 14223), (18, 14271), (23, 14388), (27, 14463), (28, 14484), (29, 14562), (30, 14604), (35, 14760), (36, 14802), (38, 14883), (40, 14916), (42, 15099), (45, 15147), (47, 15183), (48, 15210), (51, 15240), (52, 15276), (54, 15297), (57, 15357), (60, 15453), (64, 15483), (66, 15507), (67, 15531), (69, 15585), (75, 15678), (77, 15708), (78, 15771), (80, 15834), (82, 15879), (85, 15936), (87, 15957), (88, 16023),

Gene: Celaena_17 Start: 13457, Stop: 16075, Start Num: 1

Candidate Starts for Celaena_17:

(Start: 1 @13457 has 2 MA's), (2, 13484), (3, 13523), (4, 13586), (5, 13709), (6, 13790), (7, 13862), (8, 13955), (9, 13973), (11, 13997), (13, 14126), (15, 14153), (16, 14159), (18, 14207), (19, 14225), (23, 14324), (27, 14399), (28, 14420), (29, 14498), (30, 14540), (38, 14819), (40, 14852), (42, 15035), (45, 15083), (48, 15146), (51, 15176), (52, 15212), (54, 15233), (58, 15302), (59, 15329), (62, 15407), (65, 15422), (67, 15473), (69, 15527), (72, 15572), (73, 15593), (79, 15746), (81, 15779), (84, 15857), (85, 15869), (91, 16058),

Gene: ChiliPepper_17 Start: 13661, Stop: 15667, Start Num: 12

Candidate Starts for ChiliPepper_17:

(Start: 12 @13661 has 5 MA's), (17, 13778), (20, 13847), (21, 13865), (22, 13877), (23, 13907), (24, 13958), (25, 13961), (26, 13970), (28, 14003), (29, 14081), (30, 14123), (32, 14180), (33, 14204), (34, 14267), (36, 14321), (37, 14393), (39, 14432), (40, 14435), (41, 14594), (42, 14618), (43, 14660), (44, 14663), (46, 14693), (50, 14747), (51, 14759), (52, 14795), (53, 14804), (55, 14837), (56, 14849), (61, 14978), (68, 15065), (69, 15122), (70, 15125), (71, 15137), (74, 15185), (76, 15221), (83, 15437), (85, 15455), (86, 15461), (89, 15611), (90, 15620),

Gene: Dismas_17 Start: 13661, Stop: 15667, Start Num: 12

Candidate Starts for Dismas_17:

(Start: 12 @13661 has 5 MA's), (17, 13778), (20, 13847), (21, 13865), (22, 13877), (23, 13907), (24, 13958), (25, 13961), (26, 13970), (28, 14003), (29, 14081), (30, 14123), (32, 14180), (33, 14204), (34, 14267), (36, 14321), (37, 14393), (39, 14432), (40, 14435), (41, 14594), (42, 14618), (43, 14660), (44, 14663), (46, 14693), (50, 14747), (51, 14759), (52, 14795), (53, 14804), (55, 14837), (56, 14849), (61, 14978), (68, 15065), (69, 15122), (70, 15125), (71, 15137), (74, 15185), (76, 15221), (83, 15437), (85, 15455), (86, 15461), (89, 15611), (90, 15620),

Gene: Kamdara_17 Start: 13660, Stop: 15666, Start Num: 12

Candidate Starts for Kamdara_17:

(Start: 12 @13660 has 5 MA's), (17, 13777), (20, 13846), (21, 13864), (22, 13876), (23, 13906), (24, 13957), (25, 13960), (26, 13969), (28, 14002), (29, 14080), (30, 14122), (32, 14179), (33, 14203), (34, 14266), (36, 14320), (37, 14392), (39, 14431), (40, 14434), (41, 14593), (42, 14617), (43, 14659), (44,

14662), (46, 14692), (50, 14746), (51, 14758), (52, 14794), (53, 14803), (55, 14836), (56, 14848), (61, 14977), (68, 15064), (69, 15121), (70, 15124), (71, 15136), (74, 15184), (76, 15220), (83, 15436), (85, 15454), (86, 15460), (89, 15610), (90, 15619),

Gene: Kieran_17 Start: 13664, Stop: 15670, Start Num: 12

Candidate Starts for Kieran_17:

(Start: 12 @13664 has 5 MA's), (17, 13781), (20, 13850), (21, 13868), (22, 13880), (23, 13910), (24, 13961), (25, 13964), (26, 13973), (28, 14006), (29, 14084), (30, 14126), (32, 14183), (33, 14207), (34, 14270), (36, 14324), (37, 14396), (39, 14435), (40, 14438), (41, 14597), (42, 14621), (43, 14663), (44, 14666), (46, 14696), (50, 14750), (51, 14762), (52, 14798), (53, 14807), (55, 14840), (56, 14852), (61, 14981), (68, 15068), (69, 15125), (70, 15128), (71, 15140), (74, 15188), (76, 15224), (83, 15440), (85, 15458), (86, 15464), (89, 15614), (90, 15623),

Gene: Rona_17 Start: 13661, Stop: 15667, Start Num: 12

Candidate Starts for Rona_17:

(Start: 12 @13661 has 5 MA's), (17, 13778), (20, 13847), (21, 13865), (22, 13877), (23, 13907), (24, 13958), (25, 13961), (26, 13970), (28, 14003), (29, 14081), (30, 14123), (32, 14180), (33, 14204), (34, 14267), (36, 14321), (37, 14393), (39, 14432), (40, 14435), (41, 14594), (42, 14618), (43, 14660), (44, 14663), (46, 14693), (50, 14747), (51, 14759), (52, 14795), (53, 14804), (55, 14837), (56, 14849), (61, 14978), (68, 15065), (69, 15122), (70, 15125), (71, 15137), (74, 15185), (76, 15221), (83, 15437), (85, 15455), (86, 15461), (89, 15611), (90, 15620),

Gene: Sharkboy_17 Start: 13660, Stop: 15654, Start Num: 12

Candidate Starts for Sharkboy_17:

(Start: 12 @13660 has 5 MA's), (14, 13753), (21, 13864), (23, 13906), (26, 13969), (29, 14080), (31, 14149), (34, 14266), (36, 14320), (42, 14617), (43, 14659), (46, 14692), (49, 14740), (52, 14794), (60, 14971), (61, 14977), (63, 15001), (69, 15106), (75, 15199), (78, 15292), (80, 15355), (85, 15457), (87, 15478), (88, 15544),