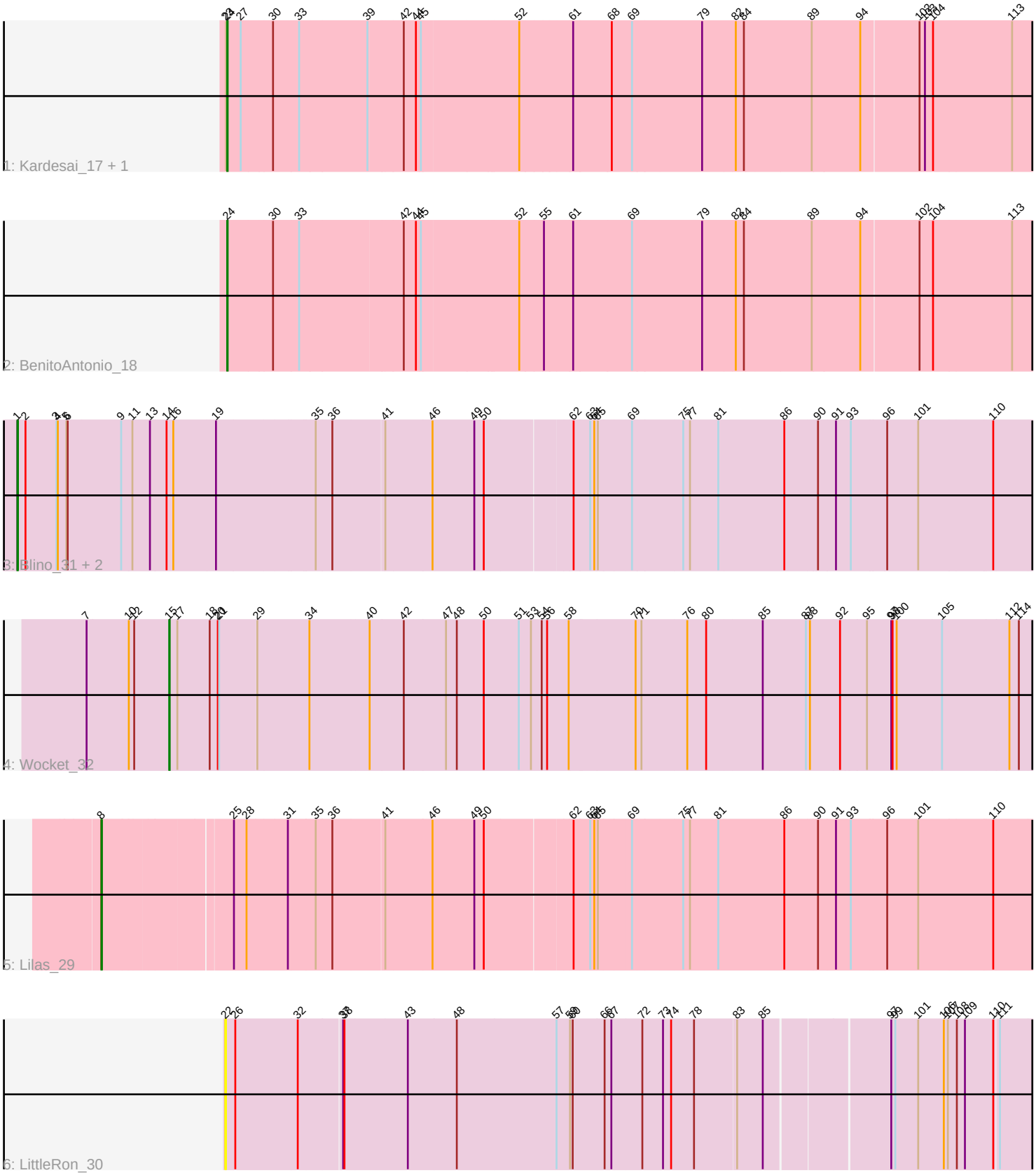
Pham 348294


1: Kardesai_17 + 1
2: BenitoAntonio_18
3: Blino_31 + 2
4: Wocket_32
5: Lilas_29
6: LittleRon_30

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 348294 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348294 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Kardesai_17, Mooshroom_18
• Track 2 : BenitoAntonio_18
• Track 3 : Blino_31, CarolAnn_31, Soilmate_32
• Track 4 : Wocket_32
• Track 5 : Lilas_29
• Track 6 : LittleRon_30

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

The start number called the most often in the published annotations is 24, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BenitoAntonio_18, Kardesai_17, Mooshroom_18,

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

Genes that do not have the "Most Annotated" start:
• Blino_31, CarolAnn_31, Lilas_29, LittleRon_30, Soilmate_32, Wocket_32,

Summary by start number:

Start 1:
• Found in 3 of 9 (33.3%) 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: Blino_31 (CV), CarolAnn_31 (CV), Soilmate_32 (CV),

Start 8:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Lilas_29 (CY1),

Start 15:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wocket_32 (CV),

Start 22:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleRon_30 (FA),

Start 24:
• Found in 3 of 9 (33.3%) 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: BenitoAntonio_18 (AM), Kardesai_17 (AM), Mooshroom_18 (AM),

Summary by clusters:

There are 4 clusters represented in this pham: FA, CY1, AM, CV,

Info for manual annotations of cluster AM:
•Start number 24 was manually annotated 3 times for cluster AM.

Info for manual annotations of cluster CV:
•Start number 1 was manually annotated 2 times for cluster CV.
•Start number 15 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CY1:
•Start number 8 was manually annotated 1 time for cluster CY1.

Gene Information:

Gene: BenitoAntonio_18 Start: 12924, Stop: 14645, Start Num: 24
Candidate Starts for BenitoAntonio_18:
(Start: 24 @12924 has 3 MA's), (30, 13020), (33, 13077), (42, 13299), (44, 13326), (45, 13335), (52, 13542), (55, 13593), (61, 13653), (69, 13782), (79, 13932), (82, 14001), (84, 14019), (89, 14157), (94, 14262), (102, 14388), (104, 14418), (113, 14589),

Gene: Blino_31 Start: 25319, Stop: 27487, Start Num: 1
Candidate Starts for Blino_31:
(Start: 1 @25319 has 2 MA's), (2, 25337), (3, 25406), (4, 25409), (5, 25427), (6, 25430), (9, 25547), (11, 25571), (13, 25607), (14, 25643), (16, 25658), (19, 25751), (35, 25961), (36, 25997), (41, 26105), (46, 26207), (49, 26300), (50, 26321), (62, 26504), (63, 26540), (64, 26549), (65, 26555), (69, 26624), (75, 26729), (77, 26744), (81, 26807), (86, 26951), (90, 27020), (91, 27059), (93, 27092), (96, 27170), (101, 27239), (110, 27398),

Gene: CarolAnn_31 Start: 25318, Stop: 27486, Start Num: 1
Candidate Starts for CarolAnn_31:
(Start: 1 @25318 has 2 MA's), (2, 25336), (3, 25405), (4, 25408), (5, 25426), (6, 25429), (9, 25546), (11, 25570), (13, 25606), (14, 25642), (16, 25657), (19, 25750), (35, 25960), (36, 25996), (41, 26104), (46, 26206), (49, 26299), (50, 26320), (62, 26503), (63, 26539), (64, 26548), (65, 26554), (69, 26623), (75, 26728), (77, 26743), (81, 26806), (86, 26950), (90, 27019), (91, 27058), (93, 27091), (96, 27169), (101, 27238), (110, 27397),

Gene: Kardesai_17 Start: 12926, Stop: 14647, Start Num: 24
Candidate Starts for Kardesai_17:
(23, 12923), (Start: 24 @12926 has 3 MA's), (27, 12956), (30, 13022), (33, 13079), (39, 13229), (42, 13301), (44, 13328), (45, 13337), (52, 13544), (61, 13655), (68, 13739), (69, 13784), (79, 13934), (82, 14003), (84, 14021), (89, 14159), (94, 14264), (102, 14390), (103, 14402), (104, 14420), (113, 14591),

Gene: Lilas_29 Start: 24724, Stop: 26682, Start Num: 8
Candidate Starts for Lilas_29:
(Start: 8 @24724 has 1 MA's), (25, 24985), (28, 25012), (31, 25096), (35, 25156), (36, 25192), (41, 25300), (46, 25402), (49, 25495), (50, 25516), (62, 25699), (63, 25735), (64, 25744), (65, 25750), (69, 25819), (75, 25924), (77, 25939), (81, 26002), (86, 26146), (90, 26215), (91, 26254), (93, 26287), (96, 26365), (101, 26434), (110, 26593),

Gene: LittleRon_30 Start: 21232, Stop: 22962, Start Num: 22
Candidate Starts for LittleRon_30:
(22, 21232), (26, 21253), (32, 21391), (37, 21484), (38, 21487), (43, 21622), (48, 21730), (57, 21946), (59, 21976), (60, 21982), (66, 22051), (67, 22066), (72, 22129), (73, 22174), (74, 22192), (78, 22243), (83, 22333), (85, 22387), (97, 22648), (99, 22657), (101, 22708), (106, 22765), (107, 22774), (108, 22792), (109, 22810), (110, 22873), (111, 22882),

Gene: Mooshroom_18 Start: 12926, Stop: 14647, Start Num: 24
Candidate Starts for Mooshroom_18:
(23, 12923), (Start: 24 @12926 has 3 MA's), (27, 12956), (30, 13022), (33, 13079), (39, 13229), (42, 13301), (44, 13328), (45, 13337), (52, 13544), (61, 13655), (68, 13739), (69, 13784), (79, 13934), (82, 14003), (84, 14021), (89, 14159), (94, 14264), (102, 14390), (103, 14402), (104, 14420), (113, 14591),

Gene: Soilmate_32 Start: 25318, Stop: 27486, Start Num: 1
Candidate Starts for Soilmate_32:
(Start: 1 @25318 has 2 MA's), (2, 25336), (3, 25405), (4, 25408), (5, 25426), (6, 25429), (9, 25546), (11, 25570), (13, 25606), (14, 25642), (16, 25657), (19, 25750), (35, 25960), (36, 25996), (41, 26104), (46, 26206), (49, 26299), (50, 26320), (62, 26503), (63, 26539), (64, 26548), (65, 26554), (69, 26623), (75, 26728), (77, 26743), (81, 26806), (86, 26950), (90, 27019), (91, 27058), (93, 27091), (96, 27169), (101, 27238), (110, 27397),

Gene: Wocket_32 Start: 25282, Stop: 27162, Start Num: 15
Candidate Starts for Wocket_32:
(7, 25099), (10, 25192), (12, 25204), (Start: 15 @25282 has 1 MA's), (17, 25300), (18, 25372), (20, 25390), (21, 25393), (29, 25474), (34, 25588), (40, 25714), (42, 25789), (47, 25879), (48, 25903), (50, 25963), (51, 26041), (53, 26068), (54, 26092), (56, 26104), (58, 26152), (70, 26296), (71, 26308), (76, 26407), (80, 26449), (85, 26569), (87, 26662), (88, 26671), (92, 26737), (95, 26794), (97, 26848), (98, 26851), (100, 26860), (105, 26959), (112, 27106), (114, 27127),