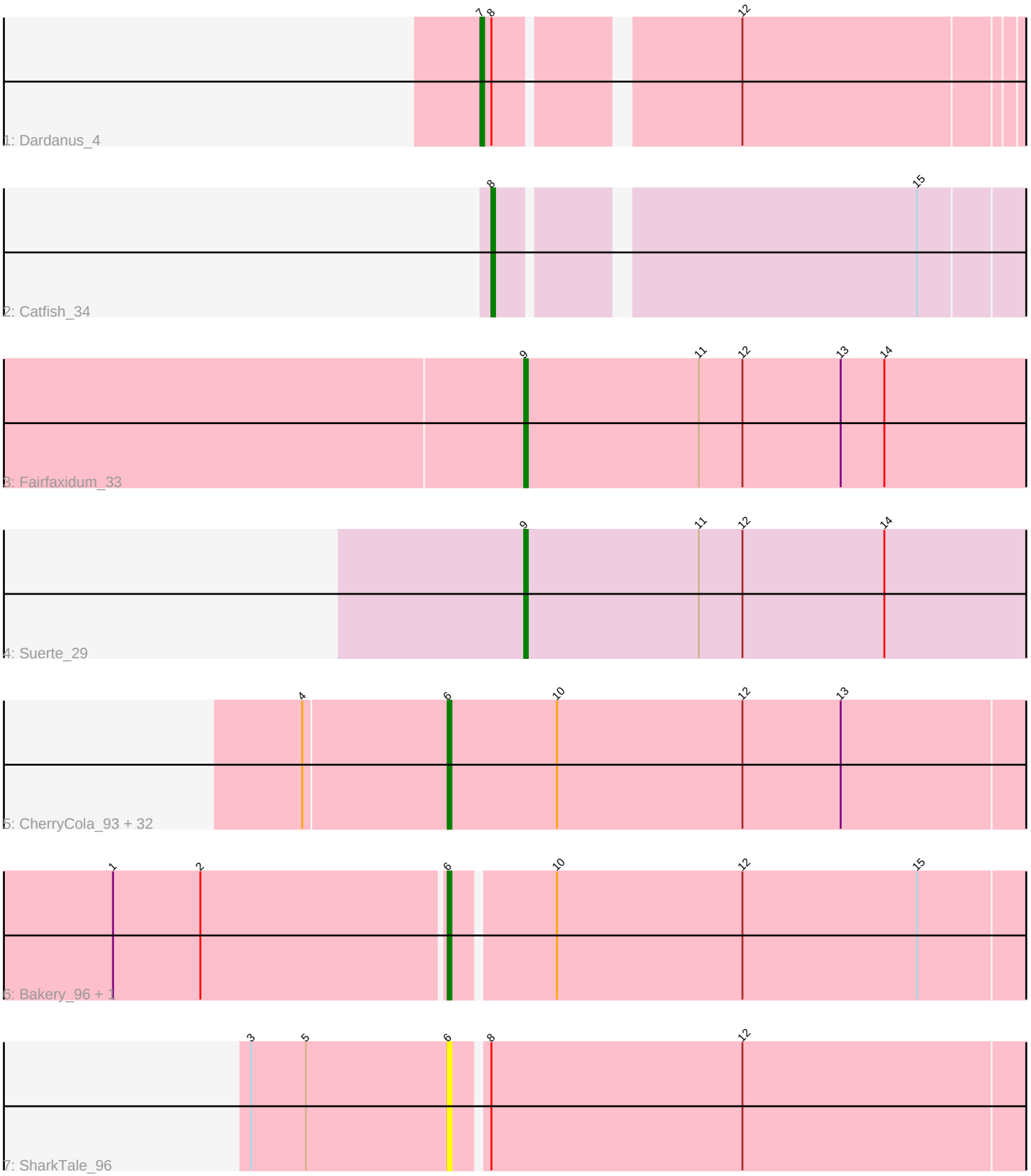
Pham 336927


7
8
12
1: Dardanus_4
8
15
2: Catfish_34
9
11
12
13
14
3: Fairfaxidum_33
9
11
12
14
4: Suerte_29
4
6
10
12
13
5: CherryCola_93 + 32
1
2
6
10
12
15
6: Bakery_96 + 1
3
5
6
8
12
7: SharkTale_96

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 336927 Report

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

Pham number 336927 has 40 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Dardanus_4
• Track 2 : Catfish_34
• Track 3 : Fairfaxidum_33
• Track 4 : Suerte_29
• Track 5 : CherryCola_93, JohnPork_95, Arri_94, Portcullis_94, Sendy_96, Shinji_93, RogerDodger_97, CoveyB_96, Salvador_94, Evamon_94, Fireball_97, Jambalaya_91, Valary_95, Gezellig_90, PinkCoffee_96, Nubi_97, Mutzi_94, ClamChowder_97, Halo3_93, PullumCavea_92, Phlop_91, TillyBobJoe_93, Danyall_95, KimmyK_92, SmokingBunny_95, VanDeWege_96, Twister6_93, Barb_98, Togo_94, Savbucketdawg_89, YungMoney_94, Egi03_92, Wizard_89
• Track 6 : Bakery_96, Sixsevenium_93
• Track 7 : SharkTale_96

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

The start number called the most often in the published annotations is 6, it was called in 31 of the 35 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arri_94, Bakery_96, Barb_98, CherryCola_93, ClamChowder_97, CoveyB_96, Danyall_95, Egi03_92, Evamon_94, Fireball_97, Gezellig_90, Halo3_93, Jambalaya_91, JohnPork_95, KimmyK_92, Mutzi_94, Nubi_97, Phlop_91, PinkCoffee_96, Portcullis_94, PullumCavea_92, RogerDodger_97, Salvador_94, Savbucketdawg_89, Sendy_96, SharkTale_96, Shinji_93, Sixsevenium_93, SmokingBunny_95, TillyBobJoe_93, Togo_94, Twister6_93, Valary_95, VanDeWege_96, Wizard_89, YungMoney_94,

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

Genes that do not have the "Most Annotated" start:
• Catfish_34, Dardanus_4, Fairfaxidum_33, Suerte_29,

Summary by start number:

Start 6:
• Found in 36 of 40 (90.0%) of genes in pham
• Manual Annotations of this start: 31 of 35
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arri_94 (DC1), Bakery_96 (DC1), Barb_98 (DC1), CherryCola_93 (DC1), ClamChowder_97 (DC1), CoveyB_96 (DC1), Danyall_95 (DC1), Egi03_92 (DC1), Evamon_94 (DC1), Fireball_97 (DC1), Gezellig_90 (DC1), Halo3_93 (DC1), Jambalaya_91 (DC1), JohnPork_95 (DC1), KimmyK_92 (DC1), Mutzi_94 (DC1), Nubi_97 (DC1), Phlop_91 (DC1), PinkCoffee_96 (DC1), Portcullis_94 (DC1), PullumCavea_92 (DC1), RogerDodger_97 (DC1), Salvador_94 (DC1), Savbucketdawg_89 (DC1), Sendy_96 (DC1), SharkTale_96 (DC1), Shinji_93 (DC1), Sixsevenium_93 (DC1), SmokingBunny_95 (DC1), TillyBobJoe_93 (DC1), Togo_94 (DC1), Twister6_93 (DC1), Valary_95 (DC1), VanDeWege_96 (DC1), Wizard_89 (DC1), YungMoney_94 (DC1),

Start 7:
• Found in 1 of 40 (2.5%) of genes in pham
• Manual Annotations of this start: 1 of 35
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dardanus_4 (CU3),

Start 8:
• Found in 3 of 40 (7.5%) of genes in pham
• Manual Annotations of this start: 1 of 35
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Catfish_34 (CU5),

Start 9:
• Found in 2 of 40 (5.0%) of genes in pham
• Manual Annotations of this start: 2 of 35
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fairfaxidum_33 (CV), Suerte_29 (CZ4),

Summary by clusters:

There are 5 clusters represented in this pham: CU5, CU3, CV, CZ4, DC1,

Info for manual annotations of cluster CU3:
•Start number 7 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU5:
•Start number 8 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:
•Start number 9 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CZ4:
•Start number 9 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DC1:
•Start number 6 was manually annotated 31 times for cluster DC1.

Gene Information:

Gene: Arri_94 Start: 58525, Stop: 58352, Start Num: 6
Candidate Starts for Arri_94:
(4, 58564), (Start: 6 @58525 has 31 MA's), (10, 58495), (12, 58444), (13, 58417),

Gene: Bakery_96 Start: 60344, Stop: 60174, Start Num: 6
Candidate Starts for Bakery_96:
(1, 60434), (2, 60410), (Start: 6 @60344 has 31 MA's), (10, 60317), (12, 60266), (15, 60218),

Gene: Barb_98 Start: 59389, Stop: 59216, Start Num: 6
Candidate Starts for Barb_98:
(4, 59428), (Start: 6 @59389 has 31 MA's), (10, 59359), (12, 59308), (13, 59281),

Gene: Catfish_34 Start: 26703, Stop: 26843, Start Num: 8
Candidate Starts for Catfish_34:
(Start: 8 @26703 has 1 MA's), (15, 26811),

Gene: CherryCola_93 Start: 58938, Stop: 58765, Start Num: 6
Candidate Starts for CherryCola_93:
(4, 58977), (Start: 6 @58938 has 31 MA's), (10, 58908), (12, 58857), (13, 58830),

Gene: ClamChowder_97 Start: 59389, Stop: 59216, Start Num: 6
Candidate Starts for ClamChowder_97:
(4, 59428), (Start: 6 @59389 has 31 MA's), (10, 59359), (12, 59308), (13, 59281),

Gene: CoveyB_96 Start: 58876, Stop: 58703, Start Num: 6
Candidate Starts for CoveyB_96:
(4, 58915), (Start: 6 @58876 has 31 MA's), (10, 58846), (12, 58795), (13, 58768),

Gene: Danyall_95 Start: 58570, Stop: 58397, Start Num: 6
Candidate Starts for Danyall_95:
(4, 58609), (Start: 6 @58570 has 31 MA's), (10, 58540), (12, 58489), (13, 58462),

Gene: Dardanus_4 Start: 1794, Stop: 1654, Start Num: 7
Candidate Starts for Dardanus_4:
(Start: 7 @1794 has 1 MA's), (Start: 8 @1791 has 1 MA's), (12, 1731),

Gene: Egi03_92 Start: 57960, Stop: 57787, Start Num: 6
Candidate Starts for Egi03_92:
(4, 57999), (Start: 6 @57960 has 31 MA's), (10, 57930), (12, 57879), (13, 57852),

Gene: Evamon_94 Start: 58335, Stop: 58162, Start Num: 6
Candidate Starts for Evamon_94:
(4, 58374), (Start: 6 @58335 has 31 MA's), (10, 58305), (12, 58254), (13, 58227),

Gene: Fairfaxidum_33 Start: 28499, Stop: 28651, Start Num: 9
Candidate Starts for Fairfaxidum_33:
(Start: 9 @28499 has 2 MA's), (11, 28547), (12, 28559), (13, 28586), (14, 28598),

Gene: Fireball_97 Start: 58799, Stop: 58626, Start Num: 6

Candidate Starts for Fireball_97:
(4, 58838), (Start: 6 @58799 has 31 MA's), (10, 58769), (12, 58718), (13, 58691),

Gene: Gezellig_90 Start: 58183, Stop: 58010, Start Num: 6
Candidate Starts for Gezellig_90:
(4, 58222), (Start: 6 @58183 has 31 MA's), (10, 58153), (12, 58102), (13, 58075),

Gene: Halo3_93 Start: 59057, Stop: 58884, Start Num: 6
Candidate Starts for Halo3_93:
(4, 59096), (Start: 6 @59057 has 31 MA's), (10, 59027), (12, 58976), (13, 58949),

Gene: Jambalaya_91 Start: 57639, Stop: 57466, Start Num: 6
Candidate Starts for Jambalaya_91:
(4, 57678), (Start: 6 @57639 has 31 MA's), (10, 57609), (12, 57558), (13, 57531),

Gene: JohnPork_95 Start: 58239, Stop: 58066, Start Num: 6
Candidate Starts for JohnPork_95:
(4, 58278), (Start: 6 @58239 has 31 MA's), (10, 58209), (12, 58158), (13, 58131),

Gene: KimmyK_92 Start: 58630, Stop: 58457, Start Num: 6
Candidate Starts for KimmyK_92:
(4, 58669), (Start: 6 @58630 has 31 MA's), (10, 58600), (12, 58549), (13, 58522),

Gene: Mutzi_94 Start: 59530, Stop: 59357, Start Num: 6
Candidate Starts for Mutzi_94:
(4, 59569), (Start: 6 @59530 has 31 MA's), (10, 59500), (12, 59449), (13, 59422),

Gene: Nubi_97 Start: 58593, Stop: 58420, Start Num: 6
Candidate Starts for Nubi_97:
(4, 58632), (Start: 6 @58593 has 31 MA's), (10, 58563), (12, 58512), (13, 58485),

Gene: Phlop_91 Start: 58233, Stop: 58060, Start Num: 6
Candidate Starts for Phlop_91:
(4, 58272), (Start: 6 @58233 has 31 MA's), (10, 58203), (12, 58152), (13, 58125),

Gene: PinkCoffee_96 Start: 58434, Stop: 58261, Start Num: 6
Candidate Starts for PinkCoffee_96:
(4, 58473), (Start: 6 @58434 has 31 MA's), (10, 58404), (12, 58353), (13, 58326),

Gene: Portcullis_94 Start: 58239, Stop: 58066, Start Num: 6
Candidate Starts for Portcullis_94:
(4, 58278), (Start: 6 @58239 has 31 MA's), (10, 58209), (12, 58158), (13, 58131),

Gene: PullumCavea_92 Start: 58410, Stop: 58237, Start Num: 6
Candidate Starts for PullumCavea_92:
(4, 58449), (Start: 6 @58410 has 31 MA's), (10, 58380), (12, 58329), (13, 58302),

Gene: RogerDodger_97 Start: 58997, Stop: 58824, Start Num: 6
Candidate Starts for RogerDodger_97:
(4, 59036), (Start: 6 @58997 has 31 MA's), (10, 58967), (12, 58916), (13, 58889),

Gene: Salvador_94 Start: 58333, Stop: 58160, Start Num: 6
Candidate Starts for Salvador_94:

(4, 58372), (Start: 6 @58333 has 31 MA's), (10, 58303), (12, 58252), (13, 58225),

Gene: Savbucketdawg_89 Start: 57676, Stop: 57503, Start Num: 6
Candidate Starts for Savbucketdawg_89:
(4, 57715), (Start: 6 @57676 has 31 MA's), (10, 57646), (12, 57595), (13, 57568),

Gene: Sendy_96 Start: 58415, Stop: 58242, Start Num: 6
Candidate Starts for Sendy_96:
(4, 58454), (Start: 6 @58415 has 31 MA's), (10, 58385), (12, 58334), (13, 58307),

Gene: SharkTale_96 Start: 59372, Stop: 59202, Start Num: 6
Candidate Starts for SharkTale_96:
(3, 59426), (5, 59411), (Start: 6 @59372 has 31 MA's), (Start: 8 @59363 has 1 MA's), (12, 59294),

Gene: Shinji_93 Start: 58416, Stop: 58243, Start Num: 6
Candidate Starts for Shinji_93:
(4, 58455), (Start: 6 @58416 has 31 MA's), (10, 58386), (12, 58335), (13, 58308),

Gene: Sixsevenium_93 Start: 59325, Stop: 59155, Start Num: 6
Candidate Starts for Sixsevenium_93:
(1, 59415), (2, 59391), (Start: 6 @59325 has 31 MA's), (10, 59298), (12, 59247), (15, 59199),

Gene: SmokingBunny_95 Start: 59329, Stop: 59156, Start Num: 6
Candidate Starts for SmokingBunny_95:
(4, 59368), (Start: 6 @59329 has 31 MA's), (10, 59299), (12, 59248), (13, 59221),

Gene: Suerte_29 Start: 25713, Stop: 25865, Start Num: 9
Candidate Starts for Suerte_29:
(Start: 9 @25713 has 2 MA's), (11, 25761), (12, 25773), (14, 25812),

Gene: TillyBobJoe_93 Start: 58552, Stop: 58379, Start Num: 6
Candidate Starts for TillyBobJoe_93:
(4, 58591), (Start: 6 @58552 has 31 MA's), (10, 58522), (12, 58471), (13, 58444),

Gene: Togo_94 Start: 59329, Stop: 59156, Start Num: 6
Candidate Starts for Togo_94:
(4, 59368), (Start: 6 @59329 has 31 MA's), (10, 59299), (12, 59248), (13, 59221),

Gene: Twister6_93 Start: 57679, Stop: 57506, Start Num: 6
Candidate Starts for Twister6_93:
(4, 57718), (Start: 6 @57679 has 31 MA's), (10, 57649), (12, 57598), (13, 57571),

Gene: Valary_95 Start: 59323, Stop: 59150, Start Num: 6
Candidate Starts for Valary_95:
(4, 59362), (Start: 6 @59323 has 31 MA's), (10, 59293), (12, 59242), (13, 59215),

Gene: VanDeWege_96 Start: 58847, Stop: 58674, Start Num: 6
Candidate Starts for VanDeWege_96:
(4, 58886), (Start: 6 @58847 has 31 MA's), (10, 58817), (12, 58766), (13, 58739),

Gene: Wizard_89 Start: 58183, Stop: 58010, Start Num: 6
Candidate Starts for Wizard_89:
(4, 58222), (Start: 6 @58183 has 31 MA's), (10, 58153), (12, 58102), (13, 58075),

Gene: YungMoney_94 Start: 60370, Stop: 60197, Start Num: 6
Candidate Starts for YungMoney_94:
(4, 60409), (Start: 6 @60370 has 31 MA's), (10, 60340), (12, 60289), (13, 60262),