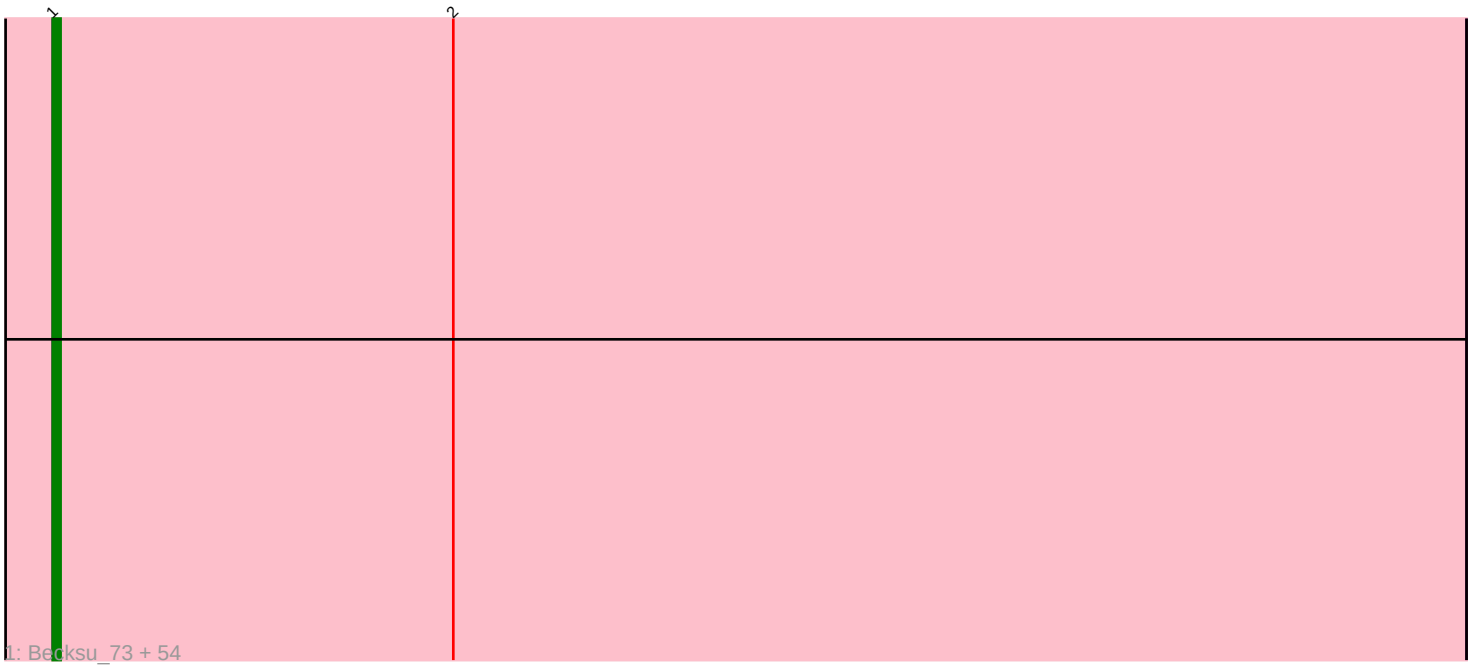
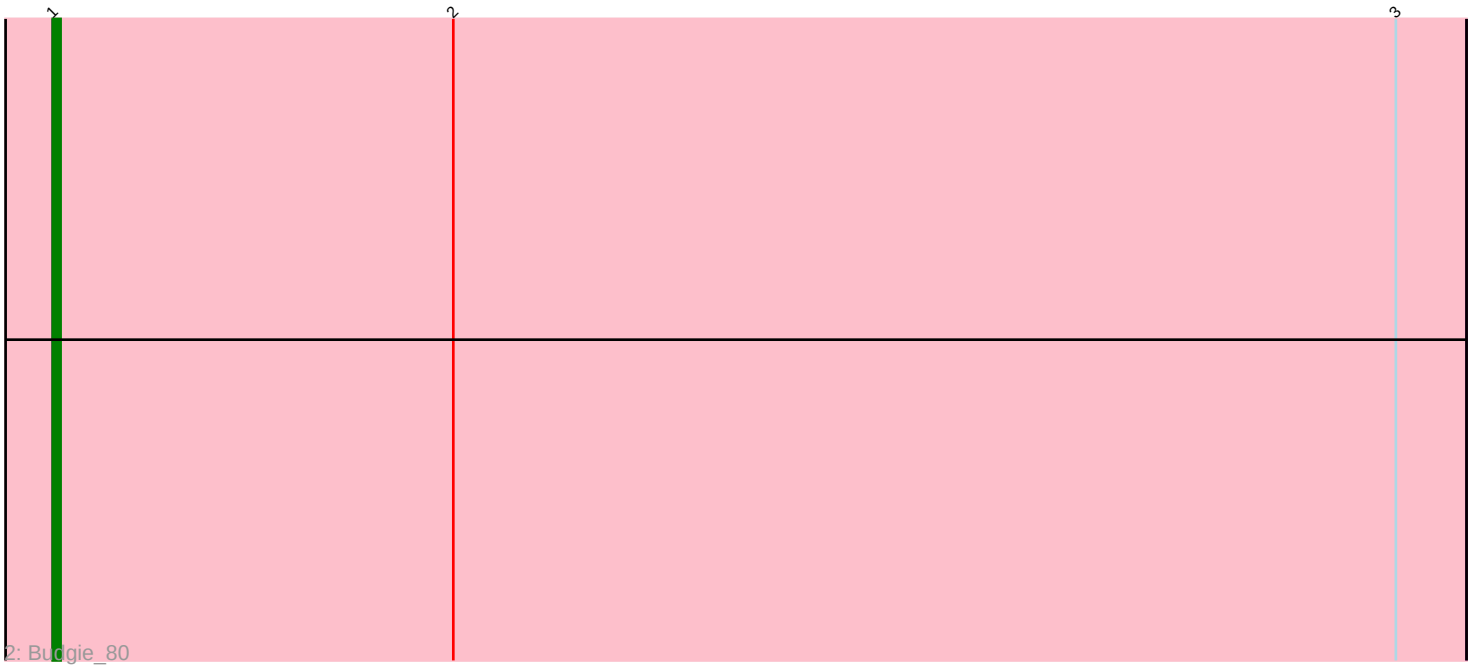
Pham 347673





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 347673 Report

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

Pham number 347673 has 56 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Becksu_73, Adnama_78, Barbarian_73, Sassay_69, Traaww1_70, Stark_75, PaddyBaddy_74, Phaja_72, PhatBacter_78, RiverMonster_74, Phrux_71, Mosby_70, Palpatine_76, BigBubba_74, Bruin_71, Wiggin_76, Lilac_76, Lilizi_75, BugsBunny_74, Thresher_76, Filch_75, Xandras_73, Misfit_75, TeamEdward_76, Hopey_74, Policronamos_77, HanKaySha_74, Youngblood_77, Elph10_74, MPhalcon_75, Moldemort_77, Rakim_75, DrDrey_74, MISSy_75, Greep_78, Miniwave_69, Terminus_77, Paperbeatsrock_73, YassJohnny_71, Tomaszewski_69, Maxxinista_76, Murphy_74, Contagion_70, Pumpkin_77, Tarkin_73, Thimble_75, Phaux_76, Bench_77, Livelaughbron_76, StellaBean_72, Gator_72, Asriel_73, Willez_69, Pharsalus_71, Czyszczon1_75
• Track 2 : Budgie_80

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 51 of the 51 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adnama_78, Asriel_73, Barbarian_73, Becksu_73, Bench_77, BigBubba_74, Bruin_71, Budgie_80, BugsBunny_74, Contagion_70, Czyszczon1_75, DrDrey_74, Elph10_74, Filch_75, Gator_72, Greep_78, HanKaySha_74, Hopey_74, Lilac_76, Lilizi_75, Livelaughbron_76, MISSy_75, MPhalcon_75, Maxxinista_76, Miniwave_69, Misfit_75, Moldemort_77, Mosby_70, Murphy_74, PaddyBaddy_74, Palpatine_76, Paperbeatsrock_73, Phaja_72, Pharsalus_71, PhatBacter_78, Phaux_76, Phrux_71, Policronamos_77, Pumpkin_77, Rakim_75, RiverMonster_74, Sassay_69, Stark_75, StellaBean_72, Tarkin_73, TeamEdward_76, Terminus_77, Thimble_75, Thresher_76, Tomaszewski_69, Traaww1_70, Wiggin_76, Willez_69, Xandras_73, YassJohnny_71, Youngblood_77,

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 56 of 56 (100.0%) of genes in pham
• Manual Annotations of this start: 51 of 51
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adnama_78 (E), Asriel_73 (E), Barbarian_73 (E), Becksu_73 (E), Bench_77 (E), BigBubba_74 (E), Bruin_71 (E), Budgie_80 (E), BugsBunny_74 (E), Contagion_70 (E), Czyszczon1_75 (E), DrDrey_74 (E), Elph10_74 (E), Filch_75 (E), Gator_72 (E), Greep_78 (E), HanKaySha_74 (E), Hopey_74 (E), Lilac_76 (E), Lilizi_75 (E), Livelaughbron_76 (E), MISSy_75 (E), MPhalcon_75 (E), Maxxinista_76 (E), Miniwave_69 (E), Misfit_75 (E), Moldemort_77 (E), Mosby_70 (E), Murphy_74 (E), PaddyBaddy_74 (E), Palpatine_76 (E), Paperbeatsrock_73 (E), Phaja_72 (E), Pharsalus_71 (E), PhatBacter_78 (E), Phaux_76 (E), Phrux_71 (E), Policronamos_77 (E), Pumpkin_77 (E), Rakim_75 (E), RiverMonster_74 (E), Sassay_69 (E), Stark_75 (E), StellaBean_72 (E), Tarkin_73 (E), TeamEdward_76 (E), Terminus_77 (E), Thimble_75 (E), Thresher_76 (E), Tomaszewski_69 (E), Traaww1_70 (E), Wiggin_76 (E), Willez_69 (E), Xandras_73 (E), YassJohnny_71 (E), Youngblood_77 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 1 was manually annotated 51 times for cluster E.

Gene Information:

Gene: Adnama_78 Start: 48172, Stop: 48345, Start Num: 1
Candidate Starts for Adnama_78:
(Start: 1 @48172 has 51 MA's), (2, 48223),

Gene: Asriel_73 Start: 46509, Stop: 46682, Start Num: 1
Candidate Starts for Asriel_73:
(Start: 1 @46509 has 51 MA's), (2, 46560),

Gene: Barbarian_73 Start: 46509, Stop: 46682, Start Num: 1
Candidate Starts for Barbarian_73:
(Start: 1 @46509 has 51 MA's), (2, 46560),

Gene: Becksu_73 Start: 48345, Stop: 48524, Start Num: 1
Candidate Starts for Becksu_73:
(Start: 1 @48345 has 51 MA's), (2, 48396),

Gene: Bench_77 Start: 47813, Stop: 47992, Start Num: 1
Candidate Starts for Bench_77:
(Start: 1 @47813 has 51 MA's), (2, 47864),

Gene: BigBubba_74 Start: 47525, Stop: 47704, Start Num: 1

Candidate Starts for BigBubba_74:
(Start: 1 @47525 has 51 MA's), (2, 47576),

Gene: Bruin_71 Start: 46689, Stop: 46868, Start Num: 1
Candidate Starts for Bruin_71:
(Start: 1 @46689 has 51 MA's), (2, 46740),

Gene: Budgie_80 Start: 48184, Stop: 48363, Start Num: 1
Candidate Starts for Budgie_80:
(Start: 1 @48184 has 51 MA's), (2, 48235), (3, 48355),

Gene: BugsBunny_74 Start: 48221, Stop: 48400, Start Num: 1
Candidate Starts for BugsBunny_74:
(Start: 1 @48221 has 51 MA's), (2, 48272),

Gene: Contagion_70 Start: 46970, Stop: 47149, Start Num: 1
Candidate Starts for Contagion_70:
(Start: 1 @46970 has 51 MA's), (2, 47021),

Gene: Czyszczon1_75 Start: 47676, Stop: 47855, Start Num: 1
Candidate Starts for Czyszczon1_75:
(Start: 1 @47676 has 51 MA's), (2, 47727),

Gene: DrDrey_74 Start: 48595, Stop: 48774, Start Num: 1
Candidate Starts for DrDrey_74:
(Start: 1 @48595 has 51 MA's), (2, 48646),

Gene: Elph10_74 Start: 47174, Stop: 47353, Start Num: 1
Candidate Starts for Elph10_74:
(Start: 1 @47174 has 51 MA's), (2, 47225),

Gene: Filch_75 Start: 47101, Stop: 47280, Start Num: 1
Candidate Starts for Filch_75:
(Start: 1 @47101 has 51 MA's), (2, 47152),

Gene: Gator_72 Start: 48006, Stop: 48185, Start Num: 1
Candidate Starts for Gator_72:
(Start: 1 @48006 has 51 MA's), (2, 48057),

Gene: Greep_78 Start: 48952, Stop: 49131, Start Num: 1
Candidate Starts for Greep_78:
(Start: 1 @48952 has 51 MA's), (2, 49003),

Gene: HanKaySha_74 Start: 47254, Stop: 47433, Start Num: 1
Candidate Starts for HanKaySha_74:
(Start: 1 @47254 has 51 MA's), (2, 47305),

Gene: Hopey_74 Start: 47786, Stop: 47965, Start Num: 1
Candidate Starts for Hopey_74:
(Start: 1 @47786 has 51 MA's), (2, 47837),

Gene: Lilac_76 Start: 47571, Stop: 47750, Start Num: 1
Candidate Starts for Lilac_76:

(Start: 1 @47571 has 51 MA's), (2, 47622),

Gene: Lilizi_75 Start: 47284, Stop: 47463, Start Num: 1
Candidate Starts for Lilizi_75:
(Start: 1 @47284 has 51 MA's), (2, 47335),

Gene: Livelaughbron_76 Start: 48747, Stop: 48926, Start Num: 1
Candidate Starts for Livelaughbron_76:
(Start: 1 @48747 has 51 MA's), (2, 48798),

Gene: MISSy_75 Start: 47675, Stop: 47854, Start Num: 1
Candidate Starts for MISSy_75:
(Start: 1 @47675 has 51 MA's), (2, 47726),

Gene: MPhalcon_75 Start: 47668, Stop: 47847, Start Num: 1
Candidate Starts for MPhalcon_75:
(Start: 1 @47668 has 51 MA's), (2, 47719),

Gene: Maxxinista_76 Start: 47544, Stop: 47723, Start Num: 1
Candidate Starts for Maxxinista_76:
(Start: 1 @47544 has 51 MA's), (2, 47595),

Gene: Miniwave_69 Start: 47213, Stop: 47386, Start Num: 1
Candidate Starts for Miniwave_69:
(Start: 1 @47213 has 51 MA's), (2, 47264),

Gene: Misfit_75 Start: 48687, Stop: 48866, Start Num: 1
Candidate Starts for Misfit_75:
(Start: 1 @48687 has 51 MA's), (2, 48738),

Gene: Moldemort_77 Start: 47772, Stop: 47945, Start Num: 1
Candidate Starts for Moldemort_77:
(Start: 1 @47772 has 51 MA's), (2, 47823),

Gene: Mosby_70 Start: 46970, Stop: 47149, Start Num: 1
Candidate Starts for Mosby_70:
(Start: 1 @46970 has 51 MA's), (2, 47021),

Gene: Murphy_74 Start: 48056, Stop: 48235, Start Num: 1
Candidate Starts for Murphy_74:
(Start: 1 @48056 has 51 MA's), (2, 48107),

Gene: PaddyBaddy_74 Start: 47268, Stop: 47447, Start Num: 1
Candidate Starts for PaddyBaddy_74:
(Start: 1 @47268 has 51 MA's), (2, 47319),

Gene: Palpatine_76 Start: 48646, Stop: 48825, Start Num: 1
Candidate Starts for Palpatine_76:
(Start: 1 @48646 has 51 MA's), (2, 48697),

Gene: Paperbeatsrock_73 Start: 47891, Stop: 48064, Start Num: 1
Candidate Starts for Paperbeatsrock_73:
(Start: 1 @47891 has 51 MA's), (2, 47942),

Gene: Phaja_72 Start: 47717, Stop: 47890, Start Num: 1
Candidate Starts for Phaja_72:
(Start: 1 @47717 has 51 MA's), (2, 47768),

Gene: Pharsalus_71 Start: 47691, Stop: 47864, Start Num: 1
Candidate Starts for Pharsalus_71:
(Start: 1 @47691 has 51 MA's), (2, 47742),

Gene: PhatBacter_78 Start: 48663, Stop: 48842, Start Num: 1
Candidate Starts for PhatBacter_78:
(Start: 1 @48663 has 51 MA's), (2, 48714),

Gene: Phaux_76 Start: 48658, Stop: 48837, Start Num: 1
Candidate Starts for Phaux_76:
(Start: 1 @48658 has 51 MA's), (2, 48709),

Gene: Phrux_71 Start: 47254, Stop: 47433, Start Num: 1
Candidate Starts for Phrux_71:
(Start: 1 @47254 has 51 MA's), (2, 47305),

Gene: Policronamos_77 Start: 48658, Stop: 48837, Start Num: 1
Candidate Starts for Policronamos_77:
(Start: 1 @48658 has 51 MA's), (2, 48709),

Gene: Pumpkin_77 Start: 48312, Stop: 48491, Start Num: 1
Candidate Starts for Pumpkin_77:
(Start: 1 @48312 has 51 MA's), (2, 48363),

Gene: Rakim_75 Start: 47768, Stop: 47947, Start Num: 1
Candidate Starts for Rakim_75:
(Start: 1 @47768 has 51 MA's), (2, 47819),

Gene: RiverMonster_74 Start: 47832, Stop: 48011, Start Num: 1
Candidate Starts for RiverMonster_74:
(Start: 1 @47832 has 51 MA's), (2, 47883),

Gene: Sassay_69 Start: 45932, Stop: 46111, Start Num: 1
Candidate Starts for Sassay_69:
(Start: 1 @45932 has 51 MA's), (2, 45983),

Gene: Stark_75 Start: 47715, Stop: 47894, Start Num: 1
Candidate Starts for Stark_75:
(Start: 1 @47715 has 51 MA's), (2, 47766),

Gene: StellaBean_72 Start: 47478, Stop: 47651, Start Num: 1
Candidate Starts for StellaBean_72:
(Start: 1 @47478 has 51 MA's), (2, 47529),

Gene: Tarkin_73 Start: 47900, Stop: 48073, Start Num: 1
Candidate Starts for Tarkin_73:
(Start: 1 @47900 has 51 MA's), (2, 47951),

Gene: TeamEdward_76 Start: 48605, Stop: 48778, Start Num: 1
Candidate Starts for TeamEdward_76:
(Start: 1 @48605 has 51 MA's), (2, 48656),

Gene: Terminus_77 Start: 48687, Stop: 48866, Start Num: 1
Candidate Starts for Terminus_77:
(Start: 1 @48687 has 51 MA's), (2, 48738),

Gene: Thimble_75 Start: 47135, Stop: 47314, Start Num: 1
Candidate Starts for Thimble_75:
(Start: 1 @47135 has 51 MA's), (2, 47186),

Gene: Thresher_76 Start: 48774, Stop: 48953, Start Num: 1
Candidate Starts for Thresher_76:
(Start: 1 @48774 has 51 MA's), (2, 48825),

Gene: Tomaszewski_69 Start: 47063, Stop: 47236, Start Num: 1
Candidate Starts for Tomaszewski_69:
(Start: 1 @47063 has 51 MA's), (2, 47114),

Gene: Traaww1_70 Start: 47338, Stop: 47511, Start Num: 1
Candidate Starts for Traaww1_70:
(Start: 1 @47338 has 51 MA's), (2, 47389),

Gene: Wiggin_76 Start: 47739, Stop: 47912, Start Num: 1
Candidate Starts for Wiggin_76:
(Start: 1 @47739 has 51 MA's), (2, 47790),

Gene: Willez_69 Start: 45932, Stop: 46111, Start Num: 1
Candidate Starts for Willez_69:
(Start: 1 @45932 has 51 MA's), (2, 45983),

Gene: Xandras_73 Start: 47147, Stop: 47326, Start Num: 1
Candidate Starts for Xandras_73:
(Start: 1 @47147 has 51 MA's), (2, 47198),

Gene: YassJohnny_71 Start: 47102, Stop: 47275, Start Num: 1
Candidate Starts for YassJohnny_71:
(Start: 1 @47102 has 51 MA's), (2, 47153),

Gene: Youngblood_77 Start: 48614, Stop: 48793, Start Num: 1
Candidate Starts for Youngblood_77:
(Start: 1 @48614 has 51 MA's), (2, 48665),