

Pham 153349



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 153349 Report

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

Pham number 153349 has 36 members, 4 are drafts.

Phages represented in each track:

- Track 1 : DaddyRickover_66, Inventum_62, Dorothy_65, Sassafras_65, RedBird_65, Juniper1_70, Stap_64, Che9d_78
- Track 2 : Philus_72, Hegedechwinu_66, DRBy19_73, VRedHorse_66, EleanorGeorge_70, Chevrolet_74, Gandolph_69, Cornucopia_68, ArcusAngelus_68
- Track 3 : Mutaforma13_72
- Track 4 : UncleRicky_66, Lorde_67, Drago_64, Oksu_72, Llij_63, DirtMcgirt_66, Enby_68, Phatniss_65
- Track 5 : Doomphist_67, Poenanya_67
- Track 6 : Ogopogo_74
- Track 7 : Fruitloop_62
- Track 8 : BuzzLyseyear_74
- Track 9 : Pollywog_68
- Track 10 : Blexus_67, Maravista_70
- Track 11 : BodEinwohner17_72
- Track 12 : Tootsieroll_69

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

The start number called the most often in the published annotations is 9, it was called in 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArcusAngelus_68, Blexus_67, BodEinwohner17_72, BuzzLyseyear_74, Che9d_78, Chevrolet_74, Cornucopia_68, DRBy19_73, DaddyRickover_66, DirtMcgirt_66, Doomphist_67, Dorothy_65, Drago_64, EleanorGeorge_70, Enby_68, Fruitloop_62, Gandolph_69, Hegedechwinu_66, Inventum_62, Juniper1_70, Llij_63, Lorde_67, Maravista_70, Mutaforma13_72, Ogopogo_74, Oksu_72, Phatniss_65, Philus_72, Poenanya_67, Pollywog_68, RedBird_65, Sassafras_65, Stap_64, Tootsieroll_69, UncleRicky_66, VRedHorse_66,

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 9:

- Found in 36 of 36 (100.0%) of genes in pham
- Manual Annotations of this start: 32 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArcusAngelus_68 (F1), Blexus_67 (F1), BodEinwohner17_72 (F1), BuzzLyseyear_74 (F1), Che9d_78 (F2), Chevrolet_74 (F1), Cornucopia_68 (F1), DRBy19_73 (F1), DaddyRickover_66 (F1), DirtMcgirt_66 (F1), Doomphist_67 (F1), Dorothy_65 (F1), Drago_64 (F1), EleanorGeorge_70 (F1), Enby_68 (F1), Fruitloop_62 (F1), Gandolph_69 (F1), Hegedechwinu_66 (F1), Inventum_62 (F1), Juniper1_70 (F1), Llij_63 (F1), Lorde_67 (F1), Maravista_70 (F1), Mutaforma13_72 (F1), Ogopogo_74 (F1), Oksu_72 (F1), Phatniss_65 (F1), Philus_72 (F1), Poenanya_67 (F1), Pollywog_68 (F1), RedBird_65 (F1), Sassafras_65 (F1), Stap_64 (F1), Tootsieroll_69 (F1), UncleRicky_66 (F1), VRedHorse_66 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, F2,

Info for manual annotations of cluster F1:

- Start number 9 was manually annotated 31 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 9 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: ArcusAngelus_68 Start: 42991, Stop: 43260, Start Num: 9

Candidate Starts for ArcusAngelus_68:

(Start: 9 @42991 has 32 MA's), (10, 43003), (11, 43012), (12, 43030), (13, 43057), (16, 43096), (19, 43165), (21, 43201), (23, 43225), (24, 43231),

Gene: Blexus_67 Start: 45581, Stop: 45826, Start Num: 9

Candidate Starts for Blexus_67:

(3, 45398), (5, 45458), (7, 45488), (8, 45524), (Start: 9 @45581 has 32 MA's), (13, 45650), (16, 45689), (17, 45728), (20, 45758), (21, 45791), (23, 45815),

Gene: BodEinwohner17_72 Start: 46110, Stop: 46355, Start Num: 9

Candidate Starts for BodEinwohner17_72:

(2, 45924), (4, 45984), (7, 46017), (8, 46053), (Start: 9 @46110 has 32 MA's), (13, 46179), (16, 46218), (17, 46257), (20, 46287), (21, 46320), (23, 46344),

Gene: BuzzLyseyear_74 Start: 47580, Stop: 47825, Start Num: 9

Candidate Starts for BuzzLyseyear_74:

(2, 47394), (4, 47454), (6, 47478), (7, 47487), (8, 47523), (Start: 9 @47580 has 32 MA's), (13, 47649), (16, 47688), (17, 47727), (20, 47757), (21, 47790), (23, 47814),

Gene: Che9d_78 Start: 44614, Stop: 44859, Start Num: 9

Candidate Starts for Che9d_78:

(Start: 9 @44614 has 32 MA's), (13, 44683), (16, 44722), (17, 44761), (20, 44791), (21, 44824), (23, 44848),

Gene: Chevrolet_74 Start: 42992, Stop: 43261, Start Num: 9

Candidate Starts for Chevrolet_74:

(Start: 9 @42992 has 32 MA's), (10, 43004), (11, 43013), (12, 43031), (13, 43058), (16, 43097), (19, 43166), (21, 43202), (23, 43226), (24, 43232),

Gene: Cornucopia_68 Start: 42938, Stop: 43207, Start Num: 9

Candidate Starts for Cornucopia_68:

(Start: 9 @42938 has 32 MA's), (10, 42950), (11, 42959), (12, 42977), (13, 43004), (16, 43043), (19, 43112), (21, 43148), (23, 43172), (24, 43178),

Gene: DRBy19_73 Start: 47235, Stop: 47504, Start Num: 9

Candidate Starts for DRBy19_73:

(Start: 9 @47235 has 32 MA's), (10, 47247), (11, 47256), (12, 47274), (13, 47301), (16, 47340), (19, 47409), (21, 47445), (23, 47469), (24, 47475),

Gene: DaddyRickover_66 Start: 43446, Stop: 43691, Start Num: 9

Candidate Starts for DaddyRickover_66:

(Start: 9 @43446 has 32 MA's), (13, 43515), (16, 43554), (17, 43593), (20, 43623), (21, 43656), (23, 43680),

Gene: DirtMcgirt_66 Start: 41587, Stop: 41856, Start Num: 9

Candidate Starts for DirtMcgirt_66:

(Start: 9 @41587 has 32 MA's), (10, 41599), (11, 41608), (12, 41626), (13, 41653), (16, 41692), (19, 41761), (21, 41797), (23, 41821), (24, 41827),

Gene: Doomphist_67 Start: 43997, Stop: 44239, Start Num: 9

Candidate Starts for Doomphist_67:

(Start: 9 @43997 has 32 MA's), (10, 44009), (11, 44018), (12, 44036), (13, 44063), (16, 44102), (17, 44141), (20, 44171), (21, 44204), (23, 44228),

Gene: Dorothy_65 Start: 42620, Stop: 42865, Start Num: 9

Candidate Starts for Dorothy_65:

(Start: 9 @42620 has 32 MA's), (13, 42689), (16, 42728), (17, 42767), (20, 42797), (21, 42830), (23, 42854),

Gene: Drago_64 Start: 41590, Stop: 41859, Start Num: 9

Candidate Starts for Drago_64:

(Start: 9 @41590 has 32 MA's), (10, 41602), (11, 41611), (12, 41629), (13, 41656), (16, 41695), (19, 41764), (21, 41800), (23, 41824), (24, 41830),

Gene: EleanorGeorge_70 Start: 45365, Stop: 45634, Start Num: 9

Candidate Starts for EleanorGeorge_70:

(Start: 9 @45365 has 32 MA's), (10, 45377), (11, 45386), (12, 45404), (13, 45431), (16, 45470), (19, 45539), (21, 45575), (23, 45599), (24, 45605),

Gene: Enby_68 Start: 41866, Stop: 42135, Start Num: 9

Candidate Starts for Enby_68:

(Start: 9 @41866 has 32 MA's), (10, 41878), (11, 41887), (12, 41905), (13, 41932), (16, 41971), (19, 42040), (21, 42076), (23, 42100), (24, 42106),

Gene: Fruitloop_62 Start: 43224, Stop: 43451, Start Num: 9

Candidate Starts for Fruitloop_62:

(Start: 9 @43224 has 32 MA's), (10, 43236), (11, 43245), (12, 43263), (13, 43290), (15, 43317), (16, 43329),

Gene: Gandalph_69 Start: 43079, Stop: 43348, Start Num: 9

Candidate Starts for Gandalph_69:

(Start: 9 @43079 has 32 MA's), (10, 43091), (11, 43100), (12, 43118), (13, 43145), (16, 43184), (19, 43253), (21, 43289), (23, 43313), (24, 43319),

Gene: Hegedechwinu_66 Start: 41869, Stop: 42138, Start Num: 9

Candidate Starts for Hegedechwinu_66:

(Start: 9 @41869 has 32 MA's), (10, 41881), (11, 41890), (12, 41908), (13, 41935), (16, 41974), (19, 42043), (21, 42079), (23, 42103), (24, 42109),

Gene: Inventum_62 Start: 42818, Stop: 43063, Start Num: 9

Candidate Starts for Inventum_62:

(Start: 9 @42818 has 32 MA's), (13, 42887), (16, 42926), (17, 42965), (20, 42995), (21, 43028), (23, 43052),

Gene: Juniper1_70 Start: 44785, Stop: 45030, Start Num: 9

Candidate Starts for Juniper1_70:

(Start: 9 @44785 has 32 MA's), (13, 44854), (16, 44893), (17, 44932), (20, 44962), (21, 44995), (23, 45019),

Gene: Llij_63 Start: 41744, Stop: 42013, Start Num: 9

Candidate Starts for Llij_63:

(Start: 9 @41744 has 32 MA's), (10, 41756), (11, 41765), (12, 41783), (13, 41810), (16, 41849), (19, 41918), (21, 41954), (23, 41978), (24, 41984),

Gene: Lorde_67 Start: 41031, Stop: 41300, Start Num: 9

Candidate Starts for Lorde_67:

(Start: 9 @41031 has 32 MA's), (10, 41043), (11, 41052), (12, 41070), (13, 41097), (16, 41136), (19, 41205), (21, 41241), (23, 41265), (24, 41271),

Gene: Maravista_70 Start: 47085, Stop: 47330, Start Num: 9

Candidate Starts for Maravista_70:

(3, 46902), (5, 46962), (7, 46992), (8, 47028), (Start: 9 @47085 has 32 MA's), (13, 47154), (16, 47193), (17, 47232), (20, 47262), (21, 47295), (23, 47319),

Gene: Mutaforma13_72 Start: 46032, Stop: 46301, Start Num: 9

Candidate Starts for Mutaforma13_72:

(Start: 9 @46032 has 32 MA's), (10, 46044), (11, 46053), (12, 46071), (13, 46098), (14, 46119), (16, 46137), (19, 46206), (21, 46242), (23, 46266), (24, 46272),

Gene: Ogopogo_74 Start: 44524, Stop: 44751, Start Num: 9

Candidate Starts for Ogopogo_74:

(Start: 9 @44524 has 32 MA's), (10, 44536), (11, 44545), (13, 44590), (15, 44617), (16, 44629),

Gene: Oksu_72 Start: 46973, Stop: 47242, Start Num: 9

Candidate Starts for Oksu_72:

(Start: 9 @46973 has 32 MA's), (10, 46985), (11, 46994), (12, 47012), (13, 47039), (16, 47078), (19, 47147), (21, 47183), (23, 47207), (24, 47213),

Gene: Phatniss_65 Start: 42839, Stop: 43108, Start Num: 9

Candidate Starts for Phatniss_65:

(Start: 9 @42839 has 32 MA's), (10, 42851), (11, 42860), (12, 42878), (13, 42905), (16, 42944), (19, 43013), (21, 43049), (23, 43073), (24, 43079),

Gene: Philus_72 Start: 47211, Stop: 47480, Start Num: 9

Candidate Starts for Philus_72:

(Start: 9 @47211 has 32 MA's), (10, 47223), (11, 47232), (12, 47250), (13, 47277), (16, 47316), (19, 47385), (21, 47421), (23, 47445), (24, 47451),

Gene: Poenanya_67 Start: 43997, Stop: 44239, Start Num: 9

Candidate Starts for Poenanya_67:

(Start: 9 @43997 has 32 MA's), (10, 44009), (11, 44018), (12, 44036), (13, 44063), (16, 44102), (17, 44141), (20, 44171), (21, 44204), (23, 44228),

Gene: Pollywog_68 Start: 45277, Stop: 45507, Start Num: 9

Candidate Starts for Pollywog_68:

(Start: 9 @45277 has 32 MA's), (10, 45289), (11, 45298), (13, 45343), (14, 45364), (16, 45382), (18, 45442), (19, 45448), (22, 45496),

Gene: RedBird_65 Start: 42499, Stop: 42744, Start Num: 9

Candidate Starts for RedBird_65:

(Start: 9 @42499 has 32 MA's), (13, 42568), (16, 42607), (17, 42646), (20, 42676), (21, 42709), (23, 42733),

Gene: Sassafras_65 Start: 42817, Stop: 43062, Start Num: 9

Candidate Starts for Sassafras_65:

(Start: 9 @42817 has 32 MA's), (13, 42886), (16, 42925), (17, 42964), (20, 42994), (21, 43027), (23, 43051),

Gene: Stap_64 Start: 42706, Stop: 42951, Start Num: 9

Candidate Starts for Stap_64:

(Start: 9 @42706 has 32 MA's), (13, 42775), (16, 42814), (17, 42853), (20, 42883), (21, 42916), (23, 42940),

Gene: Tootsieroll_69 Start: 46518, Stop: 46763, Start Num: 9

Candidate Starts for Tootsieroll_69:

(1, 46302), (2, 46332), (7, 46425), (8, 46461), (Start: 9 @46518 has 32 MA's), (13, 46587), (16, 46626), (17, 46665), (20, 46695), (21, 46728), (23, 46752),

Gene: UncleRicky_66 Start: 43087, Stop: 43356, Start Num: 9

Candidate Starts for UncleRicky_66:

(Start: 9 @43087 has 32 MA's), (10, 43099), (11, 43108), (12, 43126), (13, 43153), (16, 43192), (19, 43261), (21, 43297), (23, 43321), (24, 43327),

Gene: VRedHorse_66 Start: 41756, Stop: 42025, Start Num: 9

Candidate Starts for VRedHorse_66:

(Start: 9 @41756 has 32 MA's), (10, 41768), (11, 41777), (12, 41795), (13, 41822), (16, 41861), (19, 41930), (21, 41966), (23, 41990), (24, 41996),