

Pham 308746



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 308746 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308746 has 51 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_29
- Track 2 : DogYard_35, Pointis_35, RazzB_31, MellowYellow_32, Forrestell_32, Kubulix_36, NyleyClemson_30
- Track 3 : Ollypop_33
- Track 4 : RIPWilbur_33
- Track 5 : Pureglobe5_37
- Track 6 : BruhMoment_30
- Track 7 : AWGoat_28
- Track 8 : SilentRX_30
- Track 9 : Nike_35
- Track 10 : DonaldDuck_34, Phabia_35, Llemily_34, Judebell_37, Sillytadpoles_35, Jehoshaphat_37, Casend_36, Teehee_36, Zhafia_37
- Track 11 : Tempo_34, OneinaGillian_34, Kelcole_33, RobinRose_36, CandC_33, KillerQueen_35
- Track 12 : MorillMayhem_35
- Track 13 : Phinky_41
- Track 14 : Rowlf_31, Rudy_33, Blab_33, Quammi_33, AluminumJesus_33, StrawberryJamm_37, Mashley_33
- Track 15 : Tissue_35, Squash_37
- Track 16 : Namago_35, Kyva_37
- Track 17 : Hyperion_34
- Track 18 : SadLad_39
- Track 19 : Pepe25_33
- Track 20 : Statler_36
- Track 21 : Fizzles_35
- Track 22 : RomansRevenge_26
- Track 23 : Kithara_35
- Track 24 : Sunfish_43

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

The start number called the most often in the published annotations is 11, it was called in 26 of the 51 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AluminumJesus_33, Blab_33, Casend_36, DonaldDuck_34, Fizzles_35, Hyperion_34, Jehoshaphat_37, Judebell_37, Kyva_37, Llemily_34, Mashley_33, MorillMayhem_35, Namago_35, Nike_35, Phabia_35, Phinky_41, Quammi_33, Rowlf_31, Rudy_33, Sillytadpoles_35, Squash_37, Statler_36, StrawberryJamm_37, Teehee_36, Tissue_35, Zhafia_37,

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

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

- AWGoat_28, BruhMoment_30, CandC_33, DogYard_35, Forrestell_32, Kelcole_33, KillerQueen_35, Kithara_35, Kubulix_36, MellowYellow_32, NyleyClemson_30, Ollypop_33, OneinaGillian_34, Pepe25_33, Pointis_35, Pureglobe5_37, RIPWilbur_33, Ranunculus_29, RazzB_31, RobinRose_36, RomansRevenge_26, SadLad_39, SilentRX_30, Sunfish_43, Tempo_34,

Summary by start number:

Start 6:

- Found in 1 of 51 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 51
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sunfish_43 (singleton),

Start 9:

- Found in 1 of 51 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 51
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kithara_35 (singleton),

Start 11:

- Found in 26 of 51 (51.0%) of genes in pham
- Manual Annotations of this start: 26 of 51
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AluminumJesus_33 (EG), Blab_33 (EG), Casend_36 (EG), DonaldDuck_34 (EG), Fizzles_35 (EG), Hyperion_34 (EG), Jehoshaphat_37 (EG), Judebell_37 (EG), Kyva_37 (EG), Llemily_34 (EG), Mashley_33 (EG), MorillMayhem_35 (EG), Namago_35 (EG), Nike_35 (EG), Phabia_35 (EG), Phinky_41 (EG), Quammi_33 (EG), Rowlf_31 (EG), Rudy_33 (EG), Sillytadpoles_35 (EG), Squash_37 (EG), Statler_36 (EG), StrawberryJamm_37 (EG), Teehee_36 (EG), Tissue_35 (EG), Zhafia_37 (EG),

Start 12:

- Found in 1 of 51 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 51
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SadLad_39 (EG),

Start 13:

- Found in 7 of 51 (13.7%) of genes in pham
- Manual Annotations of this start: 7 of 51
- Called 100.0% of time when present

- Phage (with cluster) where this start called: CandC_33 (EG), Kelcole_33 (EG), KillerQueen_35 (EG), OneinaGillian_34 (EG), Pepe25_33 (EG), RobinRose_36 (EG), Tempo_34 (EG),

Start 15:

- Found in 15 of 51 (29.4%) of genes in pham
- Manual Annotations of this start: 15 of 51
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_28 (AP4), BruhMoment_30 (AP3), DogYard_35 (AP2), Forrestell_32 (AP2), Kubulix_36 (AP2), MellowYellow_32 (AP2), NyleyClemson_30 (AP2), Ollypop_33 (AP2), Pointis_35 (AP2), Pureglobe5_37 (AP2), RIPWilbur_33 (AP2), Ranunculus_29 (AP), RazzB_31 (AP2), RomansRevenge_26 (FT), SilentRX_30 (AP4),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, FT, AP2, AP3, EG, AP4, AP,

Info for manual annotations of cluster AP:

- Start number 15 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:

- Start number 15 was manually annotated 10 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 15 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 15 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster EG:

- Start number 11 was manually annotated 26 times for cluster EG.
- Start number 12 was manually annotated 1 time for cluster EG.
- Start number 13 was manually annotated 7 times for cluster EG.

Info for manual annotations of cluster FT:

- Start number 15 was manually annotated 1 time for cluster FT.

Gene Information:

Gene: AWGoat_28 Start: 21466, Stop: 22049, Start Num: 15

Candidate Starts for AWGoat_28:

(Start: 15 @21466 has 15 MA's), (22, 21589), (23, 21592), (24, 21601), (26, 21616), (37, 21700), (62, 21973), (69, 22015),

Gene: AluminumJesus_33 Start: 22382, Stop: 23034, Start Num: 11

Candidate Starts for AluminumJesus_33:

(Start: 11 @22382 has 26 MA's), (14, 22391), (22, 22532), (25, 22547), (42, 22670), (57, 22898),

Gene: Blab_33 Start: 22307, Stop: 22959, Start Num: 11

Candidate Starts for Blab_33:

(Start: 11 @22307 has 26 MA's), (14, 22316), (22, 22457), (25, 22472), (42, 22595), (57, 22823),

Gene: BruhMoment_30 Start: 20457, Stop: 21070, Start Num: 15

Candidate Starts for BruhMoment_30:

(Start: 15 @20457 has 15 MA's), (22, 20598), (23, 20601), (24, 20610), (26, 20625), (39, 20712), (49, 20775), (50, 20778), (65, 21006),

Gene: CandC_33 Start: 20958, Stop: 21577, Start Num: 13

Candidate Starts for CandC_33:

(Start: 13 @20958 has 7 MA's), (23, 21090), (36, 21192), (41, 21222), (48, 21261), (63, 21480), (64, 21495), (68, 21516),

Gene: Casend_36 Start: 23045, Stop: 23697, Start Num: 11

Candidate Starts for Casend_36:

(10, 23036), (Start: 11 @23045 has 26 MA's), (14, 23054), (22, 23195), (36, 23300),

Gene: DogYard_35 Start: 20823, Stop: 21397, Start Num: 15

Candidate Starts for DogYard_35:

(Start: 15 @20823 has 15 MA's), (22, 20946), (23, 20949), (24, 20958), (26, 20973), (66, 21354), (70, 21369),

Gene: DonaldDuck_34 Start: 22391, Stop: 23043, Start Num: 11

Candidate Starts for DonaldDuck_34:

(10, 22382), (Start: 11 @22391 has 26 MA's), (14, 22400), (22, 22541), (36, 22646),

Gene: Fizzles_35 Start: 22106, Stop: 22761, Start Num: 11

Candidate Starts for Fizzles_35:

(1, 21728), (3, 22028), (Start: 11 @22106 has 26 MA's), (14, 22115), (16, 22145), (22, 22256), (28, 22304), (35, 22349), (58, 22628),

Gene: Forrestell_32 Start: 19616, Stop: 20190, Start Num: 15

Candidate Starts for Forrestell_32:

(Start: 15 @19616 has 15 MA's), (22, 19739), (23, 19742), (24, 19751), (26, 19766), (66, 20147), (70, 20162),

Gene: Hyperion_34 Start: 22801, Stop: 23453, Start Num: 11

Candidate Starts for Hyperion_34:

(2, 22660), (Start: 11 @22801 has 26 MA's), (14, 22810), (22, 22951), (25, 22966), (42, 23089), (57, 23317),

Gene: Jehoshaphat_37 Start: 23310, Stop: 23962, Start Num: 11

Candidate Starts for Jehoshaphat_37:

(10, 23301), (Start: 11 @23310 has 26 MA's), (14, 23319), (22, 23460), (36, 23565),

Gene: Judebell_37 Start: 22816, Stop: 23468, Start Num: 11

Candidate Starts for Judebell_37:

(10, 22807), (Start: 11 @22816 has 26 MA's), (14, 22825), (22, 22966), (36, 23071),

Gene: Kelcole_33 Start: 21410, Stop: 22029, Start Num: 13

Candidate Starts for Kelcole_33:

(Start: 13 @21410 has 7 MA's), (23, 21542), (36, 21644), (41, 21674), (48, 21713), (63, 21932), (64, 21947), (68, 21968),

Gene: KillerQueen_35 Start: 21205, Stop: 21824, Start Num: 13

Candidate Starts for KillerQueen_35:

(Start: 13 @21205 has 7 MA's), (23, 21337), (36, 21439), (41, 21469), (48, 21508), (63, 21727), (64, 21742), (68, 21763),

Gene: Kithara_35 Start: 24027, Stop: 24712, Start Num: 9

Candidate Starts for Kithara_35:

(4, 23988), (5, 23991), (Start: 9 @24027 has 1 MA's), (30, 24243), (32, 24258), (34, 24270), (40, 24318), (43, 24345), (44, 24351), (45, 24354), (46, 24357), (47, 24363), (67, 24651),

Gene: Kubulix_36 Start: 21119, Stop: 21693, Start Num: 15

Candidate Starts for Kubulix_36:

(Start: 15 @21119 has 15 MA's), (22, 21242), (23, 21245), (24, 21254), (26, 21269), (66, 21650), (70, 21665),

Gene: Kyva_37 Start: 23055, Stop: 23707, Start Num: 11

Candidate Starts for Kyva_37:

(10, 23046), (Start: 11 @23055 has 26 MA's), (14, 23064), (22, 23205), (36, 23310), (53, 23457), (55, 23550),

Gene: Llemily_34 Start: 22086, Stop: 22738, Start Num: 11

Candidate Starts for Llemily_34:

(10, 22077), (Start: 11 @22086 has 26 MA's), (14, 22095), (22, 22236), (36, 22341),

Gene: Mashley_33 Start: 22617, Stop: 23269, Start Num: 11

Candidate Starts for Mashley_33:

(Start: 11 @22617 has 26 MA's), (14, 22626), (22, 22767), (25, 22782), (42, 22905), (57, 23133),

Gene: MellowYellow_32 Start: 19670, Stop: 20244, Start Num: 15

Candidate Starts for MellowYellow_32:

(Start: 15 @19670 has 15 MA's), (22, 19793), (23, 19796), (24, 19805), (26, 19820), (66, 20201), (70, 20216),

Gene: MorillMayhem_35 Start: 22601, Stop: 23253, Start Num: 11

Candidate Starts for MorillMayhem_35:

(10, 22592), (Start: 11 @22601 has 26 MA's), (14, 22610), (16, 22640), (22, 22751), (28, 22799), (36, 22856),

Gene: Namago_35 Start: 22185, Stop: 22837, Start Num: 11

Candidate Starts for Namago_35:

(10, 22176), (Start: 11 @22185 has 26 MA's), (14, 22194), (22, 22335), (36, 22440), (53, 22587), (55, 22680),

Gene: Nike_35 Start: 23137, Stop: 23789, Start Num: 11

Candidate Starts for Nike_35:

(10, 23128), (Start: 11 @23137 has 26 MA's), (14, 23146), (22, 23287), (28, 23335), (36, 23392), (53, 23539), (55, 23632),

Gene: NyleyClemson_30 Start: 19597, Stop: 20171, Start Num: 15

Candidate Starts for NyleyClemson_30:

(Start: 15 @19597 has 15 MA's), (22, 19720), (23, 19723), (24, 19732), (26, 19747), (66, 20128), (70, 20143),

Gene: Ollypop_33 Start: 20020, Stop: 20600, Start Num: 15

Candidate Starts for Ollypop_33:

(Start: 15 @20020 has 15 MA's), (22, 20143), (23, 20146), (24, 20155), (26, 20170), (31, 20203), (52, 20380), (56, 20488),

Gene: OneinaGillian_34 Start: 21057, Stop: 21676, Start Num: 13

Candidate Starts for OneinaGillian_34:

(Start: 13 @21057 has 7 MA's), (23, 21189), (36, 21291), (41, 21321), (48, 21360), (63, 21579), (64, 21594), (68, 21615),

Gene: Pepe25_33 Start: 21275, Stop: 21894, Start Num: 13

Candidate Starts for Pepe25_33:

(Start: 13 @21275 has 7 MA's), (23, 21407), (28, 21452), (32, 21473), (33, 21476), (36, 21509), (48, 21578), (56, 21761), (63, 21797),

Gene: Phabia_35 Start: 22504, Stop: 23156, Start Num: 11

Candidate Starts for Phabia_35:

(10, 22495), (Start: 11 @22504 has 26 MA's), (14, 22513), (22, 22654), (36, 22759),

Gene: Phinky_41 Start: 23684, Stop: 24336, Start Num: 11

Candidate Starts for Phinky_41:

(Start: 11 @23684 has 26 MA's), (14, 23693), (22, 23834), (36, 23939), (42, 23972), (51, 24029),

Gene: Pointis_35 Start: 20952, Stop: 21526, Start Num: 15

Candidate Starts for Pointis_35:

(Start: 15 @20952 has 15 MA's), (22, 21075), (23, 21078), (24, 21087), (26, 21102), (66, 21483), (70, 21498),

Gene: Pureglobe5_37 Start: 21135, Stop: 21709, Start Num: 15

Candidate Starts for Pureglobe5_37:

(Start: 15 @21135 has 15 MA's), (22, 21258), (23, 21261), (24, 21270), (26, 21285), (61, 21630), (66, 21666), (70, 21681),

Gene: Quammi_33 Start: 22090, Stop: 22742, Start Num: 11

Candidate Starts for Quammi_33:

(Start: 11 @22090 has 26 MA's), (14, 22099), (22, 22240), (25, 22255), (42, 22378), (57, 22606),

Gene: RIPWilbur_33 Start: 20262, Stop: 20836, Start Num: 15

Candidate Starts for RIPWilbur_33:

(Start: 15 @20262 has 15 MA's), (22, 20385), (23, 20388), (24, 20397), (26, 20412), (53, 20631), (70, 20808),

Gene: Ranunculus_29 Start: 20032, Stop: 20609, Start Num: 15

Candidate Starts for Ranunculus_29:

(8, 19984), (Start: 15 @20032 has 15 MA's), (18, 20077), (21, 20122), (22, 20158), (23, 20161), (24, 20170), (26, 20185), (54, 20473), (56, 20503), (60, 20527),

Gene: RazzB_31 Start: 19416, Stop: 19990, Start Num: 15

Candidate Starts for RazzB_31:

(Start: 15 @19416 has 15 MA's), (22, 19539), (23, 19542), (24, 19551), (26, 19566), (66, 19947), (70, 19962),

Gene: RobinRose_36 Start: 21561, Stop: 22180, Start Num: 13

Candidate Starts for RobinRose_36:

(Start: 13 @21561 has 7 MA's), (23, 21693), (36, 21795), (41, 21825), (48, 21864), (63, 22083), (64, 22098), (68, 22119),

Gene: RomansRevenge_26 Start: 19370, Stop: 19980, Start Num: 15

Candidate Starts for RomansRevenge_26:

(Start: 15 @19370 has 15 MA's), (19, 19436), (23, 19493), (26, 19517), (29, 19544), (31, 19550), (39, 19604), (50, 19670), (71, 19934), (72, 19955), (73, 19958),

Gene: Rowlf_31 Start: 22265, Stop: 22917, Start Num: 11

Candidate Starts for Rowlf_31:

(Start: 11 @22265 has 26 MA's), (14, 22274), (22, 22415), (25, 22430), (42, 22553), (57, 22781),

Gene: Rudy_33 Start: 22123, Stop: 22775, Start Num: 11

Candidate Starts for Rudy_33:

(Start: 11 @22123 has 26 MA's), (14, 22132), (22, 22273), (25, 22288), (42, 22411), (57, 22639),

Gene: SadLad_39 Start: 23102, Stop: 23751, Start Num: 12

Candidate Starts for SadLad_39:

(Start: 12 @23102 has 1 MA's), (14, 23108), (27, 23276), (35, 23336), (36, 23348), (59, 23642),

Gene: SilentRX_30 Start: 21178, Stop: 21761, Start Num: 15

Candidate Starts for SilentRX_30:

(Start: 15 @21178 has 15 MA's), (22, 21301), (23, 21304), (24, 21313), (26, 21328), (37, 21412),

Gene: Sillytadpoles_35 Start: 22074, Stop: 22726, Start Num: 11

Candidate Starts for Sillytadpoles_35:

(10, 22065), (Start: 11 @22074 has 26 MA's), (14, 22083), (22, 22224), (36, 22329),

Gene: Squash_37 Start: 23148, Stop: 23800, Start Num: 11

Candidate Starts for Squash_37:

(10, 23139), (Start: 11 @23148 has 26 MA's), (14, 23157), (22, 23298), (36, 23403), (55, 23643), (62, 23706),

Gene: Statler_36 Start: 22993, Stop: 23645, Start Num: 11

Candidate Starts for Statler_36:

(10, 22984), (Start: 11 @22993 has 26 MA's), (14, 23002), (22, 23143), (28, 23191), (36, 23248), (48, 23317), (58, 23515),

Gene: StrawberryJamm_37 Start: 22327, Stop: 22979, Start Num: 11

Candidate Starts for StrawberryJamm_37:

(Start: 11 @22327 has 26 MA's), (14, 22336), (22, 22477), (25, 22492), (42, 22615), (57, 22843),

Gene: Sunfish_43 Start: 23513, Stop: 24219, Start Num: 6

Candidate Starts for Sunfish_43:

(Start: 6 @23513 has 1 MA's), (7, 23525), (17, 23606), (20, 23654), (23, 23717), (38, 23822),

Gene: Teehee_36 Start: 23310, Stop: 23962, Start Num: 11

Candidate Starts for Teehee_36:

(10, 23301), (Start: 11 @23310 has 26 MA's), (14, 23319), (22, 23460), (36, 23565),

Gene: Tempo_34 Start: 21437, Stop: 22056, Start Num: 13

Candidate Starts for Tempo_34:

(Start: 13 @21437 has 7 MA's), (23, 21569), (36, 21671), (41, 21701), (48, 21740), (63, 21959), (64, 21974), (68, 21995),

Gene: Tissue_35 Start: 22827, Stop: 23479, Start Num: 11

Candidate Starts for Tissue_35:

(10, 22818), (Start: 11 @22827 has 26 MA's), (14, 22836), (22, 22977), (36, 23082), (55, 23322), (62, 23385),

Gene: Zhafia_37 Start: 22869, Stop: 23521, Start Num: 11

Candidate Starts for Zhafia_37:

(10, 22860), (Start: 11 @22869 has 26 MA's), (14, 22878), (22, 23019), (36, 23124),