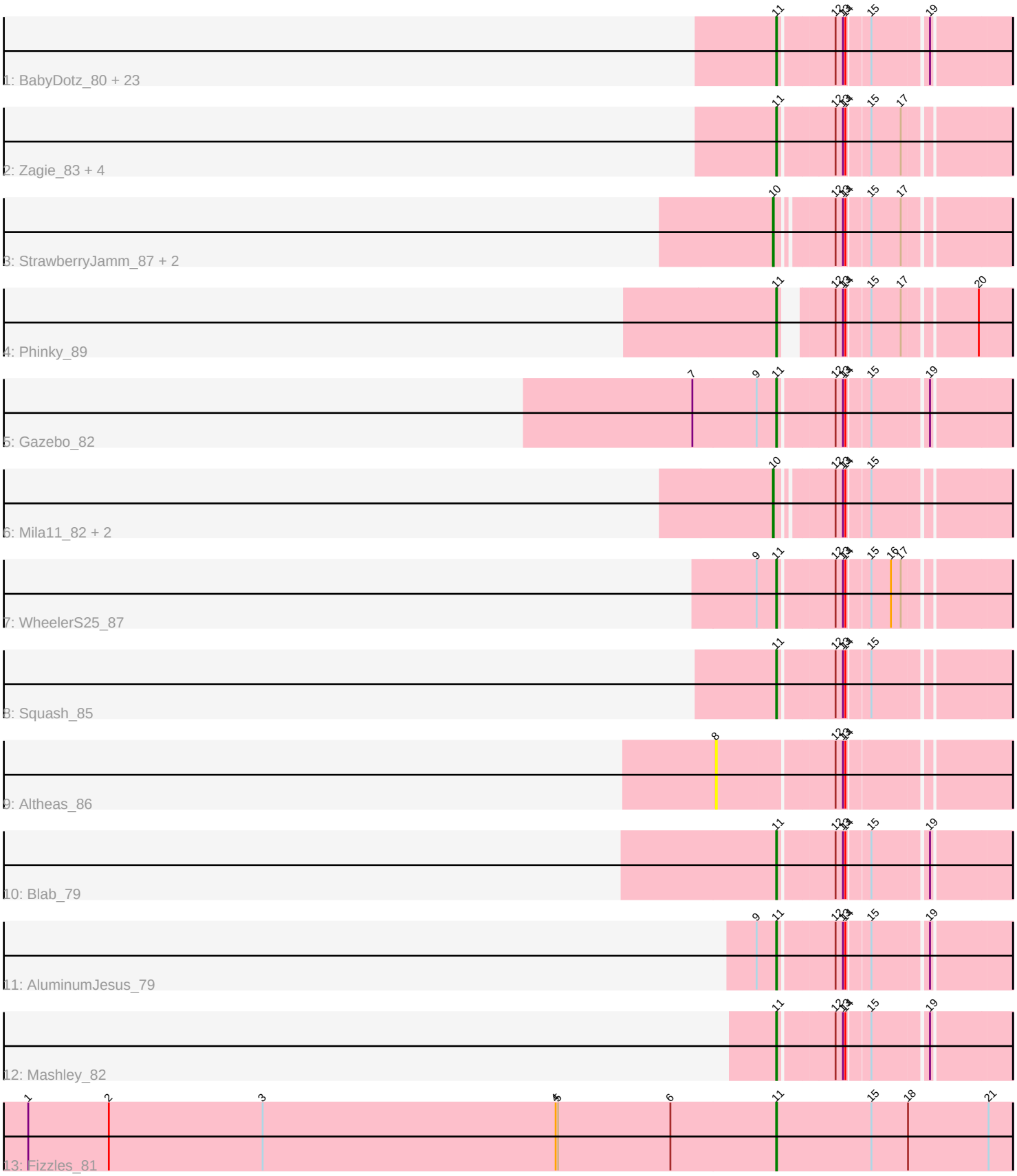
Pham 336883


1: BabyDotz_80 + 23
2: Zagie_83 + 4
3: StrawberryJamm_87 + 2
4: Phinky_89
5: Gazebo_82
6: Mila11_82 + 2
7: WheelerS25_87
8: Squash_85
9: Altheas_86
10: Blab_79
11: AluminumJesus_79
12: Mashley_82
13: Fizzles_81

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 336883 Report

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

Pham number 336883 has 44 members, 3 are drafts.

Phages represented in each track:
• Track 1 : BabyDotz_80, SallyK_84, Casend_82, Wayne3_83, Sillytadpoles_82, Rowlf_78, DonaldDuck_81, Zhafia_84, Nike_81, Phabia_81, LilCahh_78, Lonelysoil_79, Quammi_80, Rudy_79, Jehoshaphat_83, EverythinBagel_79, FrankDeliGuy_79, ZestyBestie_81, Viceroy_80, Judebell_81, Wheelie_81, Tissue_84, Teehee_82, Llemily_81
• Track 2 : Zagie_83, SlySloth_82, Namago_84, Statler_84, Mentos_83
• Track 3 : StrawberryJamm_87, Kyva_86, Grassboy_86
• Track 4 : Phinky_89
• Track 5 : Gazebo_82
• Track 6 : Mila11_82, MorillMayhem_81, BaconCheese_83
• Track 7 : WheelerS25_87
• Track 8 : Squash_85
• Track 9 : Altheas_86
• Track 10 : Blab_79
• Track 11 : AluminumJesus_79
• Track 12 : Mashley_82
• Track 13 : Fizzles_81

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 35 of the 41 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AluminumJesus_79, BabyDotz_80, Blab_79, Casend_82, DonaldDuck_81, EverythinBagel_79, Fizzles_81, FrankDeliGuy_79, Gazebo_82, Jehoshaphat_83, Judebell_81, LilCahh_78, Llemily_81, Lonelysoil_79, Mashley_82, Mentos_83, Namago_84, Nike_81, Phabia_81, Phinky_89, Quammi_80, Rowlf_78, Rudy_79, SallyK_84, Sillytadpoles_82, SlySloth_82, Squash_85, Statler_84, Teehee_82, Tissue_84, Viceroy_80, Wayne3_83, WheelerS25_87, Wheelie_81, Zagie_83, ZestyBestie_81, Zhafia_84,

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

Genes that do not have the "Most Annotated" start:
• Altheas_86, BaconCheese_83, Grassboy_86, Kyva_86, Mila11_82, MorillMayhem_81, StrawberryJamm_87,

Summary by start number:

Start 8:
• Found in 1 of 44 (2.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altheas_86 (EG),

Start 10:
• Found in 6 of 44 (13.6%) of genes in pham
• Manual Annotations of this start: 6 of 41
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaconCheese_83 (EG), Grassboy_86 (EG), Kyva_86 (EG), Mila11_82 (EG), MorillMayhem_81 (EG), StrawberryJamm_87 (EG),

Start 11:
• Found in 37 of 44 (84.1%) of genes in pham
• Manual Annotations of this start: 35 of 41
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AluminumJesus_79 (EG), BabyDotz_80 (EG), Blab_79 (EG), Casend_82 (EG), DonaldDuck_81 (EG), EverythinBagel_79 (EG), Fizzles_81 (EG), FrankDeliGuy_79 (EG), Gazebo_82 (EG), Jehoshaphat_83 (EG), Judebell_81 (EG), LilCahh_78 (EG), Llemily_81 (EG), Lonelysoil_79 (EG), Mashley_82 (EG), Mentos_83 (EG), Namago_84 (EG), Nike_81 (EG), Phabia_81 (EG), Phinky_89 (EG), Quammi_80 (EG), Rowlf_78 (EG), Rudy_79 (EG), SallyK_84 (EG), Sillytadpoles_82 (EG), SlySloth_82 (EG), Squash_85 (EG), Statler_84 (EG), Teehee_82 (EG), Tissue_84 (EG), Viceroy_80 (EG), Wayne3_83 (EG), WheelerS25_87 (EG), Wheelie_81 (EG), Zagie_83 (EG), ZestyBestie_81 (EG), Zhafia_84 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 10 was manually annotated 6 times for cluster EG.
•Start number 11 was manually annotated 35 times for cluster EG.

Gene Information:

Gene: Altheas_86 Start: 53932, Stop: 53603, Start Num: 8
Candidate Starts for Altheas_86:
(8, 53932), (12, 53797), (13, 53788), (14, 53785),

Gene: AluminumJesus_79 Start: 52519, Stop: 52265, Start Num: 11

Candidate Starts for AluminumJesus_79:
(9, 52540), (Start: 11 @52519 has 35 MA's), (12, 52456), (13, 52447), (14, 52444), (15, 52420), (19, 52357),

Gene: BabyDotz_80 Start: 53900, Stop: 53646, Start Num: 11
Candidate Starts for BabyDotz_80:
(Start: 11 @53900 has 35 MA's), (12, 53837), (13, 53828), (14, 53825), (15, 53801), (19, 53738),

Gene: BaconCheese_83 Start: 54174, Stop: 53923, Start Num: 10
Candidate Starts for BaconCheese_83:
(Start: 10 @54174 has 6 MA's), (12, 54114), (13, 54105), (14, 54102), (15, 54078),

Gene: Blab_79 Start: 52813, Stop: 52559, Start Num: 11
Candidate Starts for Blab_79:
(Start: 11 @52813 has 35 MA's), (12, 52750), (13, 52741), (14, 52738), (15, 52714), (19, 52651),

Gene: Casend_82 Start: 53179, Stop: 52925, Start Num: 11
Candidate Starts for Casend_82:
(Start: 11 @53179 has 35 MA's), (12, 53116), (13, 53107), (14, 53104), (15, 53080), (19, 53017),

Gene: DonaldDuck_81 Start: 52531, Stop: 52277, Start Num: 11
Candidate Starts for DonaldDuck_81:
(Start: 11 @52531 has 35 MA's), (12, 52468), (13, 52459), (14, 52456), (15, 52432), (19, 52369),

Gene: EverythinBagel_79 Start: 52416, Stop: 52165, Start Num: 11
Candidate Starts for EverythinBagel_79:
(Start: 11 @52416 has 35 MA's), (12, 52356), (13, 52347), (14, 52344), (15, 52320), (19, 52257),

Gene: Fizzles_81 Start: 52917, Stop: 52627, Start Num: 11
Candidate Starts for Fizzles_81:
(1, 53835), (2, 53736), (3, 53547), (4, 53187), (5, 53184), (6, 53046), (Start: 11 @52917 has 35 MA's), (15, 52800), (18, 52755), (21, 52656),

Gene: FrankDeliGuy_79 Start: 52902, Stop: 52648, Start Num: 11
Candidate Starts for FrankDeliGuy_79:
(Start: 11 @52902 has 35 MA's), (12, 52839), (13, 52830), (14, 52827), (15, 52803), (19, 52740),

Gene: Gazebo_82 Start: 53465, Stop: 53211, Start Num: 11
Candidate Starts for Gazebo_82:
(7, 53564), (9, 53486), (Start: 11 @53465 has 35 MA's), (12, 53402), (13, 53393), (14, 53390), (15, 53366), (19, 53303),

Gene: Grassboy_86 Start: 53577, Stop: 53326, Start Num: 10
Candidate Starts for Grassboy_86:
(Start: 10 @53577 has 6 MA's), (12, 53517), (13, 53508), (14, 53505), (15, 53481), (17, 53445),

Gene: Jehoshaphat_83 Start: 53447, Stop: 53193, Start Num: 11
Candidate Starts for Jehoshaphat_83:
(Start: 11 @53447 has 35 MA's), (12, 53384), (13, 53375), (14, 53372), (15, 53348), (19, 53285),

Gene: Judebell_81 Start: 52674, Stop: 52420, Start Num: 11
Candidate Starts for Judebell_81:
(Start: 11 @52674 has 35 MA's), (12, 52611), (13, 52602), (14, 52599), (15, 52575), (19, 52512),

Gene: Kyva_86 Start: 53601, Stop: 53350, Start Num: 10
Candidate Starts for Kyva_86:
(Start: 10 @53601 has 6 MA's), (12, 53541), (13, 53532), (14, 53529), (15, 53505), (17, 53469),

Gene: LilCahh_78 Start: 52047, Stop: 51796, Start Num: 11
Candidate Starts for LilCahh_78:
(Start: 11 @52047 has 35 MA's), (12, 51987), (13, 51978), (14, 51975), (15, 51951), (19, 51888),

Gene: Llemily_81 Start: 52226, Stop: 51972, Start Num: 11
Candidate Starts for Llemily_81:
(Start: 11 @52226 has 35 MA's), (12, 52163), (13, 52154), (14, 52151), (15, 52127), (19, 52064),

Gene: Lonelysoil_79 Start: 51983, Stop: 51729, Start Num: 11
Candidate Starts for Lonelysoil_79:
(Start: 11 @51983 has 35 MA's), (12, 51920), (13, 51911), (14, 51908), (15, 51884), (19, 51821),

Gene: Mashley_82 Start: 53253, Stop: 52999, Start Num: 11
Candidate Starts for Mashley_82:
(Start: 11 @53253 has 35 MA's), (12, 53190), (13, 53181), (14, 53178), (15, 53154), (19, 53091),

Gene: Mentos_83 Start: 53905, Stop: 53651, Start Num: 11
Candidate Starts for Mentos_83:
(Start: 11 @53905 has 35 MA's), (12, 53842), (13, 53833), (14, 53830), (15, 53806), (17, 53770),

Gene: Mila11_82 Start: 54225, Stop: 53974, Start Num: 10
Candidate Starts for Mila11_82:
(Start: 10 @54225 has 6 MA's), (12, 54165), (13, 54156), (14, 54153), (15, 54129),

Gene: MorillMayhem_81 Start: 53064, Stop: 52813, Start Num: 10
Candidate Starts for MorillMayhem_81:
(Start: 10 @53064 has 6 MA's), (12, 53004), (13, 52995), (14, 52992), (15, 52968),

Gene: Namago_84 Start: 52954, Stop: 52700, Start Num: 11
Candidate Starts for Namago_84:
(Start: 11 @52954 has 35 MA's), (12, 52891), (13, 52882), (14, 52879), (15, 52855), (17, 52819),

Gene: Nike_81 Start: 53475, Stop: 53224, Start Num: 11
Candidate Starts for Nike_81:
(Start: 11 @53475 has 35 MA's), (12, 53415), (13, 53406), (14, 53403), (15, 53379), (19, 53316),

Gene: Phabia_81 Start: 52638, Stop: 52384, Start Num: 11
Candidate Starts for Phabia_81:
(Start: 11 @52638 has 35 MA's), (12, 52575), (13, 52566), (14, 52563), (15, 52539), (19, 52476),

Gene: Phinky_89 Start: 55334, Stop: 55098, Start Num: 11
Candidate Starts for Phinky_89:
(Start: 11 @55334 has 35 MA's), (12, 55289), (13, 55280), (14, 55277), (15, 55253), (17, 55217), (20, 55136),

Gene: Quammi_80 Start: 52338, Stop: 52084, Start Num: 11
Candidate Starts for Quammi_80:
(Start: 11 @52338 has 35 MA's), (12, 52275), (13, 52266), (14, 52263), (15, 52239), (19, 52176),

Gene: Rowlf_78 Start: 52433, Stop: 52179, Start Num: 11
Candidate Starts for Rowlf_78:
(Start: 11 @52433 has 35 MA's), (12, 52370), (13, 52361), (14, 52358), (15, 52334), (19, 52271),

Gene: Rudy_79 Start: 52374, Stop: 52120, Start Num: 11
Candidate Starts for Rudy_79:
(Start: 11 @52374 has 35 MA's), (12, 52311), (13, 52302), (14, 52299), (15, 52275), (19, 52212),

Gene: SallyK_84 Start: 54077, Stop: 53823, Start Num: 11
Candidate Starts for SallyK_84:
(Start: 11 @54077 has 35 MA's), (12, 54014), (13, 54005), (14, 54002), (15, 53978), (19, 53915),

Gene: Sillytadpoles_82 Start: 52214, Stop: 51960, Start Num: 11
Candidate Starts for Sillytadpoles_82:
(Start: 11 @52214 has 35 MA's), (12, 52151), (13, 52142), (14, 52139), (15, 52115), (19, 52052),

Gene: SlySloth_82 Start: 52861, Stop: 52607, Start Num: 11
Candidate Starts for SlySloth_82:
(Start: 11 @52861 has 35 MA's), (12, 52798), (13, 52789), (14, 52786), (15, 52762), (17, 52726),

Gene: Squash_85 Start: 53587, Stop: 53333, Start Num: 11
Candidate Starts for Squash_85:
(Start: 11 @53587 has 35 MA's), (12, 53524), (13, 53515), (14, 53512), (15, 53488),

Gene: Statler_84 Start: 52981, Stop: 52727, Start Num: 11
Candidate Starts for Statler_84:
(Start: 11 @52981 has 35 MA's), (12, 52918), (13, 52909), (14, 52906), (15, 52882), (17, 52846),

Gene: StrawberryJamm_87 Start: 52751, Stop: 52500, Start Num: 10
Candidate Starts for StrawberryJamm_87:
(Start: 10 @52751 has 6 MA's), (12, 52691), (13, 52682), (14, 52679), (15, 52655), (17, 52619),

Gene: Teehee_82 Start: 53444, Stop: 53190, Start Num: 11
Candidate Starts for Teehee_82:
(Start: 11 @53444 has 35 MA's), (12, 53381), (13, 53372), (14, 53369), (15, 53345), (19, 53282),

Gene: Tissue_84 Start: 53211, Stop: 52957, Start Num: 11
Candidate Starts for Tissue_84:
(Start: 11 @53211 has 35 MA's), (12, 53148), (13, 53139), (14, 53136), (15, 53112), (19, 53049),

Gene: Viceroy_80 Start: 52347, Stop: 52093, Start Num: 11
Candidate Starts for Viceroy_80:
(Start: 11 @52347 has 35 MA's), (12, 52284), (13, 52275), (14, 52272), (15, 52248), (19, 52185),

Gene: Wayne3_83 Start: 53207, Stop: 52953, Start Num: 11
Candidate Starts for Wayne3_83:
(Start: 11 @53207 has 35 MA's), (12, 53144), (13, 53135), (14, 53132), (15, 53108), (19, 53045),

Gene: WheelerS25_87 Start: 53877, Stop: 53623, Start Num: 11
Candidate Starts for WheelerS25_87:
(9, 53898), (Start: 11 @53877 has 35 MA's), (12, 53814), (13, 53805), (14, 53802), (15, 53778), (16, 53754), (17, 53742),

Gene: Wheelie_81 Start: 52528, Stop: 52274, Start Num: 11
Candidate Starts for Wheelie_81:
(Start: 11 @52528 has 35 MA's), (12, 52465), (13, 52456), (14, 52453), (15, 52429), (19, 52366),

Gene: Zagie_83 Start: 53034, Stop: 52780, Start Num: 11
Candidate Starts for Zagie_83:
(Start: 11 @53034 has 35 MA's), (12, 52971), (13, 52962), (14, 52959), (15, 52935), (17, 52899),

Gene: ZestyBestie_81 Start: 52897, Stop: 52643, Start Num: 11
Candidate Starts for ZestyBestie_81:
(Start: 11 @52897 has 35 MA's), (12, 52834), (13, 52825), (14, 52822), (15, 52798), (19, 52735),

Gene: Zhafia_84 Start: 53008, Stop: 52754, Start Num: 11
Candidate Starts for Zhafia_84:
(Start: 11 @53008 has 35 MA's), (12, 52945), (13, 52936), (14, 52933), (15, 52909), (19, 52846),