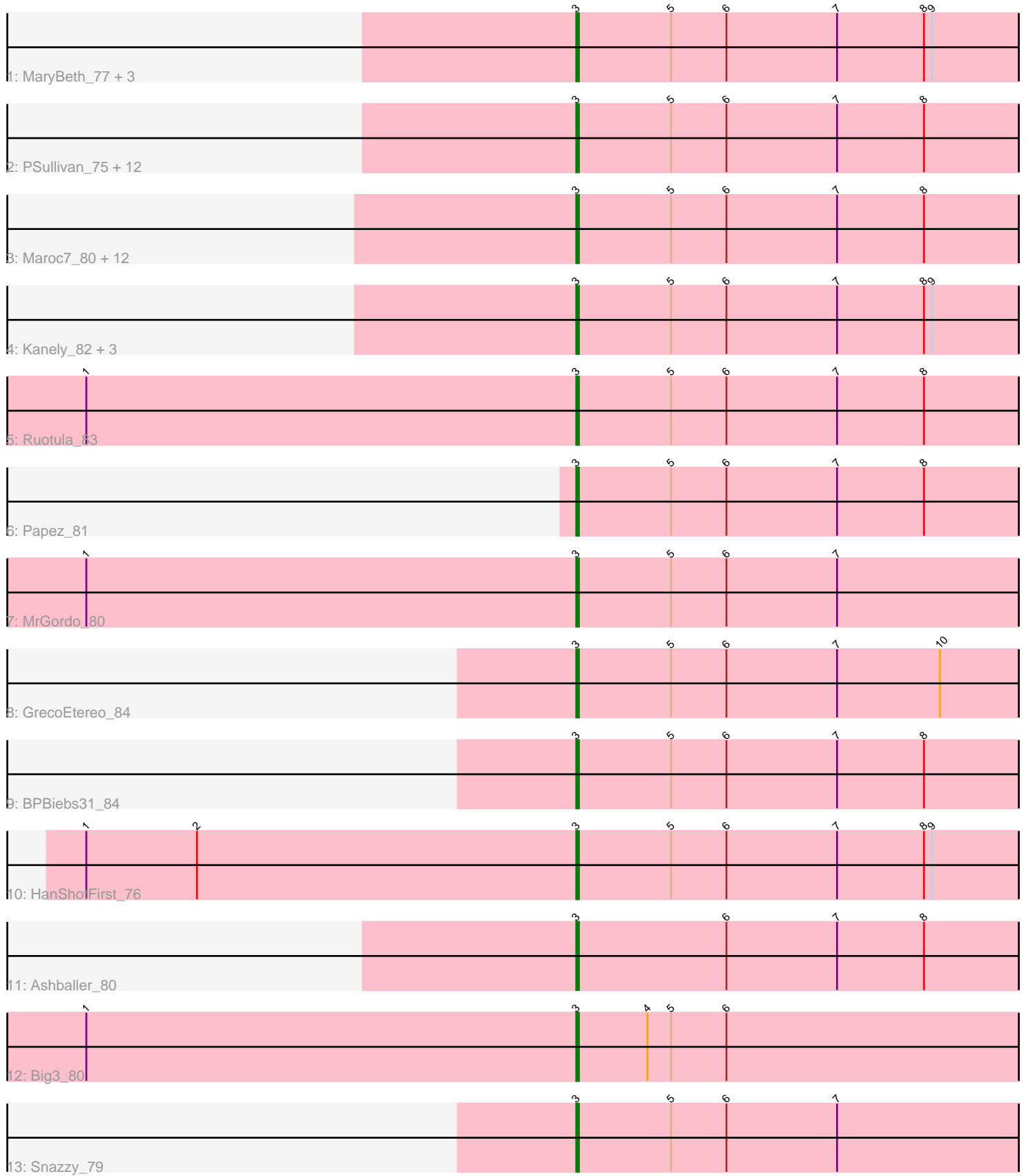


Pham 2049



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 2049 Report

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

Pham number 2049 has 43 members, 2 are drafts.

Phages represented in each track:

- Track 1 : MaryBeth_77, ConceptII_85, MetalQZJ_76, Corvo_81
- Track 2 : PSullivan_75, Lopton_78, Moose_81, Burton_80, Rohr_81, MPlant7149_79, Tote_75, Swole_77, Pita2_80, JuliaChild_80, Forsytheast_81, Sibs6_79, Anglerfish_81
- Track 3 : Maroc7_80, Topgun_74, Wilkins_75, Bigfoot_73, Lockley_76, CactusRose_81, Ciao_75, Greg_82, Violet_73, Acme_83, Fajezeel_82, Fascinus_74, Pippin_79
- Track 4 : Kanely_82, Atkinbua_87, DreamCatcher_82, Altman_83
- Track 5 : Ruotula_83
- Track 6 : Papez_81
- Track 7 : MrGordo_80
- Track 8 : GrecoEtereo_84
- Track 9 : BPBiebs31_84
- Track 10 : HanShotFirst_76
- Track 11 : Ashballer_80
- Track 12 : Big3_80
- Track 13 : Snazzy_79

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

The start number called the most often in the published annotations is 3, it was called in 41 of the 41 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acme_83, Altman_83, Anglerfish_81, Ashballer_80, Atkinbua_87, BPBiebs31_84, Big3_80, Bigfoot_73, Burton_80, CactusRose_81, Ciao_75, ConceptII_85, Corvo_81, DreamCatcher_82, Fajezeel_82, Fascinus_74, Forsytheast_81, GrecoEtereo_84, Greg_82, HanShotFirst_76, JuliaChild_80, Kanely_82, Lockley_76, Lopton_78, MPlant7149_79, Maroc7_80, MaryBeth_77, MetalQZJ_76, Moose_81, MrGordo_80, PSullivan_75, Papez_81, Pippin_79, Pita2_80, Rohr_81, Ruotula_83, Sibs6_79, Snazzy_79, Swole_77, Topgun_74, Tote_75, Violet_73, Wilkins_75,

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 3:

- Found in 43 of 43 (100.0%) of genes in pham
- Manual Annotations of this start: 41 of 41
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acme_83 (A1), Altman_83 (A1), Anglerfish_81 (A1), Ashballer_80 (A1), Atkinbua_87 (A1), BPBiebs31_84 (A1), Big3_80 (A1), Bigfoot_73 (A1), Burton_80 (A1), CactusRose_81 (A1), Ciao_75 (A1), ConceptII_85 (A1), Corvo_81 (A1), DreamCatcher_82 (A1), Fajezeel_82 (A1), Fascinus_74 (A1), Forsytheast_81 (A1), GrecoEtereo_84 (A1), Greg_82 (A1), HanShotFirst_76 (A1), JuliaChild_80 (A1), Kanely_82 (A1), Lockley_76 (A1), Lopton_78 (A1), MPlant7149_79 (A1), Maroc7_80 (A1), MaryBeth_77 (A1), MetalQZJ_76 (A1), Moose_81 (A1), MrGordo_80 (A1), PSullivan_75 (A1), Papez_81 (A1), Pippin_79 (A1), Pita2_80 (A1), Rohr_81 (A1), Ruotula_83 (A1), Sibs6_79 (A1), Snazzy_79 (A1), Swole_77 (A1), Topgun_74 (A1), Tote_75 (A1), Violet_73 (A1), Wilkins_75 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 3 was manually annotated 41 times for cluster A1.

Gene Information:

Gene: Acme_83 Start: 49639, Stop: 49457, Start Num: 3

Candidate Starts for Acme_83:

(Start: 3 @49639 has 41 MA's), (5, 49603), (6, 49582), (7, 49540), (8, 49507),

Gene: Altman_83 Start: 48771, Stop: 48589, Start Num: 3

Candidate Starts for Altman_83:

(Start: 3 @48771 has 41 MA's), (5, 48735), (6, 48714), (7, 48672), (8, 48639), (9, 48636),

Gene: Anglerfish_81 Start: 48776, Stop: 48594, Start Num: 3

Candidate Starts for Anglerfish_81:

(Start: 3 @48776 has 41 MA's), (5, 48740), (6, 48719), (7, 48677), (8, 48644),

Gene: Ashballer_80 Start: 48214, Stop: 48032, Start Num: 3

Candidate Starts for Ashballer_80:

(Start: 3 @48214 has 41 MA's), (6, 48157), (7, 48115), (8, 48082),

Gene: Atkinbua_87 Start: 49579, Stop: 49397, Start Num: 3

Candidate Starts for Atkinbua_87:

(Start: 3 @49579 has 41 MA's), (5, 49543), (6, 49522), (7, 49480), (8, 49447), (9, 49444),

Gene: BPBiebs31_84 Start: 49291, Stop: 49109, Start Num: 3
Candidate Starts for BPBiebs31_84:
(Start: 3 @49291 has 41 MA's), (5, 49255), (6, 49234), (7, 49192), (8, 49159),

Gene: Big3_80 Start: 49281, Stop: 49099, Start Num: 3
Candidate Starts for Big3_80:
(1, 49467), (Start: 3 @49281 has 41 MA's), (4, 49254), (5, 49245), (6, 49224),

Gene: Bigfoot_73 Start: 47349, Stop: 47167, Start Num: 3
Candidate Starts for Bigfoot_73:
(Start: 3 @47349 has 41 MA's), (5, 47313), (6, 47292), (7, 47250), (8, 47217),

Gene: Burton_80 Start: 49723, Stop: 49541, Start Num: 3
Candidate Starts for Burton_80:
(Start: 3 @49723 has 41 MA's), (5, 49687), (6, 49666), (7, 49624), (8, 49591),

Gene: CactusRose_81 Start: 48366, Stop: 48184, Start Num: 3
Candidate Starts for CactusRose_81:
(Start: 3 @48366 has 41 MA's), (5, 48330), (6, 48309), (7, 48267), (8, 48234),

Gene: Ciao_75 Start: 45961, Stop: 45779, Start Num: 3
Candidate Starts for Ciao_75:
(Start: 3 @45961 has 41 MA's), (5, 45925), (6, 45904), (7, 45862), (8, 45829),

Gene: ConceptII_85 Start: 49872, Stop: 49690, Start Num: 3
Candidate Starts for ConceptII_85:
(Start: 3 @49872 has 41 MA's), (5, 49836), (6, 49815), (7, 49773), (8, 49740), (9, 49737),

Gene: Corvo_81 Start: 49214, Stop: 49032, Start Num: 3
Candidate Starts for Corvo_81:
(Start: 3 @49214 has 41 MA's), (5, 49178), (6, 49157), (7, 49115), (8, 49082), (9, 49079),

Gene: DreamCatcher_82 Start: 48372, Stop: 48190, Start Num: 3
Candidate Starts for DreamCatcher_82:
(Start: 3 @48372 has 41 MA's), (5, 48336), (6, 48315), (7, 48273), (8, 48240), (9, 48237),

Gene: Fajezeel_82 Start: 48929, Stop: 48747, Start Num: 3
Candidate Starts for Fajezeel_82:
(Start: 3 @48929 has 41 MA's), (5, 48893), (6, 48872), (7, 48830), (8, 48797),

Gene: Fascinus_74 Start: 47862, Stop: 47680, Start Num: 3
Candidate Starts for Fascinus_74:
(Start: 3 @47862 has 41 MA's), (5, 47826), (6, 47805), (7, 47763), (8, 47730),

Gene: Forsytheast_81 Start: 48248, Stop: 48066, Start Num: 3
Candidate Starts for Forsytheast_81:
(Start: 3 @48248 has 41 MA's), (5, 48212), (6, 48191), (7, 48149), (8, 48116),

Gene: GrecoEtereo_84 Start: 49572, Stop: 49390, Start Num: 3
Candidate Starts for GrecoEtereo_84:
(Start: 3 @49572 has 41 MA's), (5, 49536), (6, 49515), (7, 49473), (10, 49434),

Gene: Greg_82 Start: 48929, Stop: 48747, Start Num: 3

Candidate Starts for Greg_82:

(Start: 3 @48929 has 41 MA's), (5, 48893), (6, 48872), (7, 48830), (8, 48797),

Gene: HanShotFirst_76 Start: 47852, Stop: 47670, Start Num: 3

Candidate Starts for HanShotFirst_76:

(1, 48038), (2, 47996), (Start: 3 @47852 has 41 MA's), (5, 47816), (6, 47795), (7, 47753), (8, 47720), (9, 47717),

Gene: JuliaChild_80 Start: 48153, Stop: 47971, Start Num: 3

Candidate Starts for JuliaChild_80:

(Start: 3 @48153 has 41 MA's), (5, 48117), (6, 48096), (7, 48054), (8, 48021),

Gene: Kanely_82 Start: 48548, Stop: 48366, Start Num: 3

Candidate Starts for Kanely_82:

(Start: 3 @48548 has 41 MA's), (5, 48512), (6, 48491), (7, 48449), (8, 48416), (9, 48413),

Gene: Lockley_76 Start: 46989, Stop: 46807, Start Num: 3

Candidate Starts for Lockley_76:

(Start: 3 @46989 has 41 MA's), (5, 46953), (6, 46932), (7, 46890), (8, 46857),

Gene: Lopton_78 Start: 48864, Stop: 48682, Start Num: 3

Candidate Starts for Lopton_78:

(Start: 3 @48864 has 41 MA's), (5, 48828), (6, 48807), (7, 48765), (8, 48732),

Gene: MPlant7149_79 Start: 47418, Stop: 47236, Start Num: 3

Candidate Starts for MPlant7149_79:

(Start: 3 @47418 has 41 MA's), (5, 47382), (6, 47361), (7, 47319), (8, 47286),

Gene: Maroc7_80 Start: 49290, Stop: 49108, Start Num: 3

Candidate Starts for Maroc7_80:

(Start: 3 @49290 has 41 MA's), (5, 49254), (6, 49233), (7, 49191), (8, 49158),

Gene: MaryBeth_77 Start: 47689, Stop: 47507, Start Num: 3

Candidate Starts for MaryBeth_77:

(Start: 3 @47689 has 41 MA's), (5, 47653), (6, 47632), (7, 47590), (8, 47557), (9, 47554),

Gene: MetalQZJ_76 Start: 47689, Stop: 47507, Start Num: 3

Candidate Starts for MetalQZJ_76:

(Start: 3 @47689 has 41 MA's), (5, 47653), (6, 47632), (7, 47590), (8, 47557), (9, 47554),

Gene: Moose_81 Start: 48248, Stop: 48066, Start Num: 3

Candidate Starts for Moose_81:

(Start: 3 @48248 has 41 MA's), (5, 48212), (6, 48191), (7, 48149), (8, 48116),

Gene: MrGordo_80 Start: 47027, Stop: 46845, Start Num: 3

Candidate Starts for MrGordo_80:

(1, 47213), (Start: 3 @47027 has 41 MA's), (5, 46991), (6, 46970), (7, 46928),

Gene: PSullivan_75 Start: 46221, Stop: 46039, Start Num: 3

Candidate Starts for PSullivan_75:

(Start: 3 @46221 has 41 MA's), (5, 46185), (6, 46164), (7, 46122), (8, 46089),

Gene: Papez_81 Start: 48601, Stop: 48419, Start Num: 3

Candidate Starts for Papez_81:

(Start: 3 @48601 has 41 MA's), (5, 48565), (6, 48544), (7, 48502), (8, 48469),

Gene: Pippin_79 Start: 47544, Stop: 47362, Start Num: 3

Candidate Starts for Pippin_79:

(Start: 3 @47544 has 41 MA's), (5, 47508), (6, 47487), (7, 47445), (8, 47412),

Gene: Pita2_80 Start: 47717, Stop: 47535, Start Num: 3

Candidate Starts for Pita2_80:

(Start: 3 @47717 has 41 MA's), (5, 47681), (6, 47660), (7, 47618), (8, 47585),

Gene: Rohr_81 Start: 49508, Stop: 49326, Start Num: 3

Candidate Starts for Rohr_81:

(Start: 3 @49508 has 41 MA's), (5, 49472), (6, 49451), (7, 49409), (8, 49376),

Gene: Ruotula_83 Start: 49380, Stop: 49198, Start Num: 3

Candidate Starts for Ruotula_83:

(1, 49566), (Start: 3 @49380 has 41 MA's), (5, 49344), (6, 49323), (7, 49281), (8, 49248),

Gene: Sibs6_79 Start: 45185, Stop: 45003, Start Num: 3

Candidate Starts for Sibs6_79:

(Start: 3 @45185 has 41 MA's), (5, 45149), (6, 45128), (7, 45086), (8, 45053),

Gene: Snazzy_79 Start: 48176, Stop: 47994, Start Num: 3

Candidate Starts for Snazzy_79:

(Start: 3 @48176 has 41 MA's), (5, 48140), (6, 48119), (7, 48077),

Gene: Swole_77 Start: 47627, Stop: 47445, Start Num: 3

Candidate Starts for Swole_77:

(Start: 3 @47627 has 41 MA's), (5, 47591), (6, 47570), (7, 47528), (8, 47495),

Gene: Topgun_74 Start: 45917, Stop: 45735, Start Num: 3

Candidate Starts for Topgun_74:

(Start: 3 @45917 has 41 MA's), (5, 45881), (6, 45860), (7, 45818), (8, 45785),

Gene: Tote_75 Start: 44895, Stop: 44713, Start Num: 3

Candidate Starts for Tote_75:

(Start: 3 @44895 has 41 MA's), (5, 44859), (6, 44838), (7, 44796), (8, 44763),

Gene: Violet_73 Start: 47892, Stop: 47710, Start Num: 3

Candidate Starts for Violet_73:

(Start: 3 @47892 has 41 MA's), (5, 47856), (6, 47835), (7, 47793), (8, 47760),

Gene: Wilkins_75 Start: 45847, Stop: 45665, Start Num: 3

Candidate Starts for Wilkins_75:

(Start: 3 @45847 has 41 MA's), (5, 45811), (6, 45790), (7, 45748), (8, 45715),