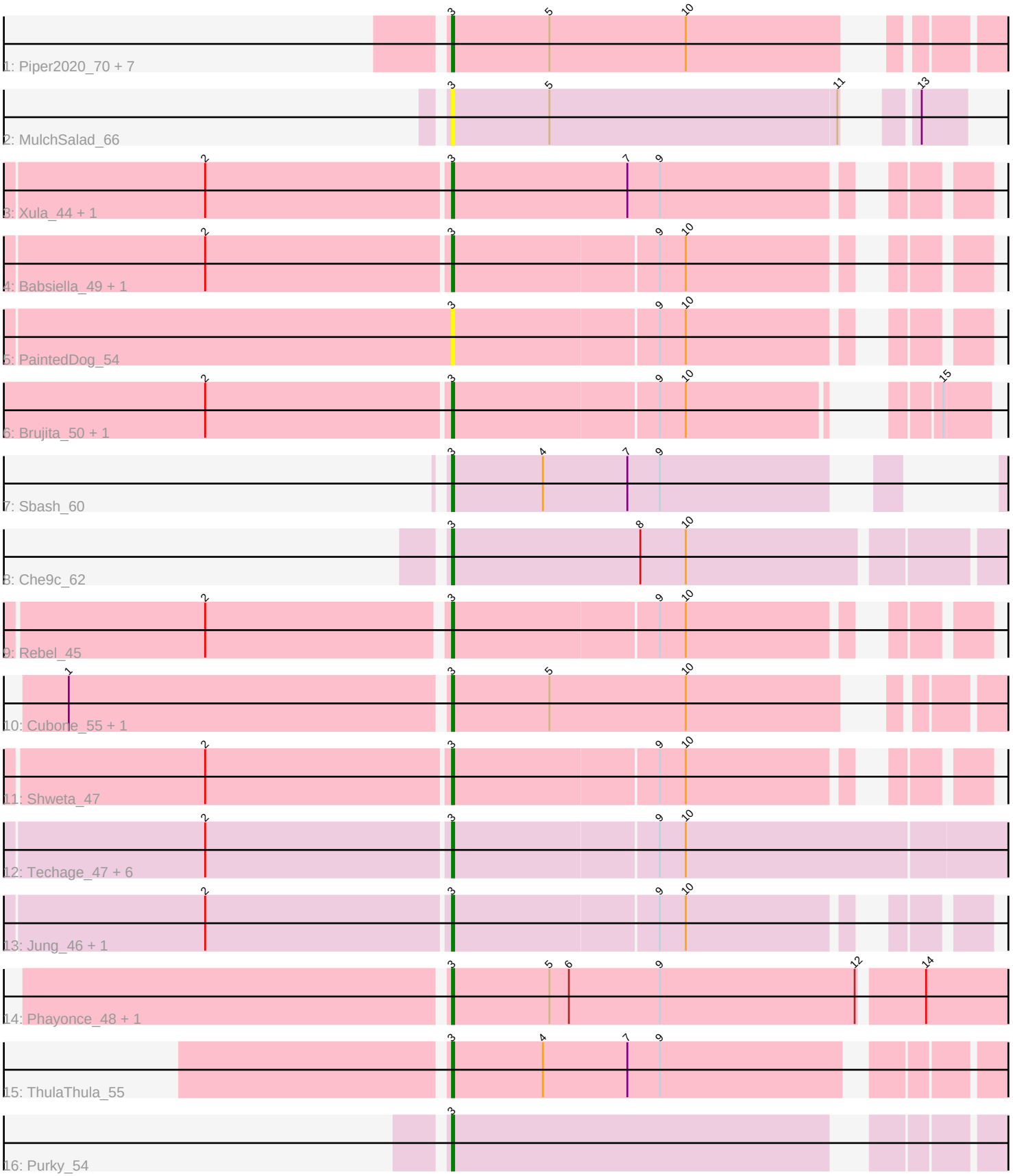
Pham 296768


1: Piper2020_70 + 7
2: MulchSalad_66
3: Xula_44 + 1
4: Babsiella_49 + 1
5: PaintedDog_54
6: Brujita_50 + 1
7: Sbash_60
8: Che9c_62
9: Rebel_45
10: Cubone_55 + 1
11: Shweta_47
12: Techage_47 + 6
13: Jung_46 + 1
14: Phayonce_48 + 1
15: ThulaThula_55
16: Purky_54

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 296768 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296768 has 35 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Piper2020_70, LilSpotty_66, Awesomesauce_69, Aloeri_70, DocMcStuffins_69, ChickenDinner_69, TootsiePop_67, Misha28_67
• Track 2 : MulchSalad_66
• Track 3 : Xula_44, QueenHazel_45
• Track 4 : Babsiella_49, HC_47
• Track 5 : PaintedDog_54
• Track 6 : Brujita_50, Island3_50
• Track 7 : Sbash_60
• Track 8 : Che9c_62
• Track 9 : Rebel_45
• Track 10 : Cubone_55, SkinnyPete_47
• Track 11 : Shweta_47
• Track 12 : Techage_47, Majeke_48, Phegasus_48, Jebeks_49, GaloreK_47, Polkaroo_48, Mangethe_48
• Track 13 : Jung_46, Arib1_48
• Track 14 : Phayonce_48, Mao1_66
• Track 15 : ThulaThula_55
• Track 16 : Purky_54

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 30 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloeri_70, Arib1_48, Awesomesauce_69, Babsiella_49, Brujita_50, Che9c_62, ChickenDinner_69, Cubone_55, DocMcStuffins_69, GaloreK_47, HC_47, Island3_50, Jebeks_49, Jung_46, LilSpotty_66, Majeke_48, Mangethe_48, Mao1_66, Misha28_67, MulchSalad_66, PaintedDog_54, Phayonce_48, Phegasus_48, Piper2020_70, Polkaroo_48, Purky_54, QueenHazel_45, Rebel_45, Sbash_60, Shweta_47, SkinnyPete_47, Techage_47, ThulaThula_55, TootsiePop_67, Xula_44,

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 35 of 35 (100.0%) of genes in pham
• Manual Annotations of this start: 30 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloeri_70 (F1), Arib1_48 (P1), Awesomesauce_69 (F1), Babsiella_49 (I1), Brujita_50 (I1), Che9c_62 (I2), ChickenDinner_69 (F1), Cubone_55 (N), DocMcStuffins_69 (F1), GaloreK_47 (P1), HC_47 (I1), Island3_50 (I1), Jebeks_49 (P1), Jung_46 (P1), LilSpotty_66 (singleton), Majeke_48 (P1), Mangethe_48 (P1), Mao1_66 (AD), Misha28_67 (F1), MulchSalad_66 (F7), PaintedDog_54 (I1), Phayonce_48 (P5), Phegasus_48 (P1), Piper2020_70 (F1), Polkaroo_48 (P1), Purky_54 (P6), QueenHazel_45 (I1), Rebel_45 (N), Sbash_60 (I2), Shweta_47 (N), SkinnyPete_47 (N), Techage_47 (P1), ThulaThula_55 (P5), TootsiePop_67 (F1), Xula_44 (I1),

Summary by clusters:

There are 10 clusters represented in this pham: F1, singleton, P1, P6, AD, F7, P5, I1, I2, N,

Info for manual annotations of cluster AD:
•Start number 3 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster F1:
•Start number 3 was manually annotated 7 times for cluster F1.

Info for manual annotations of cluster I1:
•Start number 3 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 3 was manually annotated 2 times for cluster I2.

Info for manual annotations of cluster N:
•Start number 3 was manually annotated 3 times for cluster N.

Info for manual annotations of cluster P1:
•Start number 3 was manually annotated 7 times for cluster P1.

Info for manual annotations of cluster P5:
•Start number 3 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:
•Start number 3 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: Aloeri_70 Start: 43386, Stop: 43640, Start Num: 3
Candidate Starts for Aloeri_70:
(Start: 3 @43386 has 30 MA's), (5, 43431), (10, 43494),

Gene: Arib1_48 Start: 33541, Stop: 33789, Start Num: 3
Candidate Starts for Arib1_48:
(2, 33430), (Start: 3 @33541 has 30 MA's), (9, 33634), (10, 33646),

Gene: Awesomesauce_69 Start: 42469, Stop: 42723, Start Num: 3
Candidate Starts for Awesomesauce_69:
(Start: 3 @42469 has 30 MA's), (5, 42514), (10, 42577),

Gene: Babsiella_49 Start: 34394, Stop: 34642, Start Num: 3
Candidate Starts for Babsiella_49:
(2, 34283), (Start: 3 @34394 has 30 MA's), (9, 34487), (10, 34499),

Gene: Brujita_50 Start: 35851, Stop: 36060, Start Num: 3
Candidate Starts for Brujita_50:
(2, 35740), (Start: 3 @35851 has 30 MA's), (9, 35944), (10, 35956), (15, 36040),

Gene: Che9c_62 Start: 44754, Stop: 45029, Start Num: 3
Candidate Starts for Che9c_62:
(Start: 3 @44754 has 30 MA's), (8, 44841), (10, 44862),

Gene: ChickenDinner_69 Start: 43386, Stop: 43640, Start Num: 3
Candidate Starts for ChickenDinner_69:
(Start: 3 @43386 has 30 MA's), (5, 43431), (10, 43494),

Gene: Cubone_55 Start: 33959, Stop: 34213, Start Num: 3
Candidate Starts for Cubone_55:
(1, 33788), (Start: 3 @33959 has 30 MA's), (5, 34004), (10, 34067),

Gene: DocMcStuffins_69 Start: 43386, Stop: 43640, Start Num: 3
Candidate Starts for DocMcStuffins_69:
(Start: 3 @43386 has 30 MA's), (5, 43431), (10, 43494),

Gene: GaloreK_47 Start: 33528, Stop: 33809, Start Num: 3
Candidate Starts for GaloreK_47:
(2, 33417), (Start: 3 @33528 has 30 MA's), (9, 33621), (10, 33633),

Gene: HC_47 Start: 33178, Stop: 33426, Start Num: 3
Candidate Starts for HC_47:
(2, 33067), (Start: 3 @33178 has 30 MA's), (9, 33271), (10, 33283),

Gene: Island3_50 Start: 35851, Stop: 36060, Start Num: 3
Candidate Starts for Island3_50:
(2, 35740), (Start: 3 @35851 has 30 MA's), (9, 35944), (10, 35956), (15, 36040),

Gene: Jebeks_49 Start: 33592, Stop: 33873, Start Num: 3
Candidate Starts for Jebeks_49:
(2, 33481), (Start: 3 @33592 has 30 MA's), (9, 33685), (10, 33697),

Gene: Jung_46 Start: 33493, Stop: 33741, Start Num: 3

Candidate Starts for Jung_46:
(2, 33382), (Start: 3 @33493 has 30 MA's), (9, 33586), (10, 33598),

Gene: LilSpotty_66 Start: 41177, Stop: 41446, Start Num: 3
Candidate Starts for LilSpotty_66:
(Start: 3 @41177 has 30 MA's), (5, 41222), (10, 41285),

Gene: Majeke_48 Start: 33573, Stop: 33854, Start Num: 3
Candidate Starts for Majeke_48:
(2, 33462), (Start: 3 @33573 has 30 MA's), (9, 33666), (10, 33678),

Gene: Mangethe_48 Start: 33573, Stop: 33854, Start Num: 3
Candidate Starts for Mangethe_48:
(2, 33462), (Start: 3 @33573 has 30 MA's), (9, 33666), (10, 33678),

Gene: Mao1_66 Start: 49457, Stop: 49738, Start Num: 3
Candidate Starts for Mao1_66:
(Start: 3 @49457 has 30 MA's), (5, 49502), (6, 49511), (9, 49553), (12, 49643), (14, 49670),

Gene: Misha28_67 Start: 42474, Stop: 42728, Start Num: 3
Candidate Starts for Misha28_67:
(Start: 3 @42474 has 30 MA's), (5, 42519), (10, 42582),

Gene: MulchSalad_66 Start: 40577, Stop: 40789, Start Num: 3
Candidate Starts for MulchSalad_66:
(Start: 3 @40577 has 30 MA's), (5, 40622), (11, 40754), (13, 40769),

Gene: PaintedDog_54 Start: 36368, Stop: 36616, Start Num: 3
Candidate Starts for PaintedDog_54:
(Start: 3 @36368 has 30 MA's), (9, 36461), (10, 36473),

Gene: Phayonce_48 Start: 35619, Stop: 35900, Start Num: 3
Candidate Starts for Phayonce_48:
(Start: 3 @35619 has 30 MA's), (5, 35664), (6, 35673), (9, 35715), (12, 35805), (14, 35832),

Gene: Phegasus_48 Start: 33540, Stop: 33821, Start Num: 3
Candidate Starts for Phegasus_48:
(2, 33429), (Start: 3 @33540 has 30 MA's), (9, 33633), (10, 33645),

Gene: Piper2020_70 Start: 43369, Stop: 43623, Start Num: 3
Candidate Starts for Piper2020_70:
(Start: 3 @43369 has 30 MA's), (5, 43414), (10, 43477),

Gene: Polkaroo_48 Start: 33536, Stop: 33817, Start Num: 3
Candidate Starts for Polkaroo_48:
(2, 33425), (Start: 3 @33536 has 30 MA's), (9, 33629), (10, 33641),

Gene: Purky_54 Start: 36323, Stop: 36583, Start Num: 3
Candidate Starts for Purky_54:
(Start: 3 @36323 has 30 MA's),

Gene: QueenHazel_45 Start: 33693, Stop: 33944, Start Num: 3
Candidate Starts for QueenHazel_45:

(2, 33582), (Start: 3 @33693 has 30 MA's), (7, 33774), (9, 33789),

Gene: Rebel_45 Start: 31555, Stop: 31803, Start Num: 3
Candidate Starts for Rebel_45:
(2, 31447), (Start: 3 @31555 has 30 MA's), (9, 31648), (10, 31660),

Gene: Sbash_60 Start: 42587, Stop: 42808, Start Num: 3
Candidate Starts for Sbash_60:
(Start: 3 @42587 has 30 MA's), (4, 42629), (7, 42668), (9, 42683),

Gene: Shweta_47 Start: 33486, Stop: 33734, Start Num: 3
Candidate Starts for Shweta_47:
(2, 33375), (Start: 3 @33486 has 30 MA's), (9, 33579), (10, 33591),

Gene: SkinnyPete_47 Start: 32845, Stop: 33099, Start Num: 3
Candidate Starts for SkinnyPete_47:
(1, 32674), (Start: 3 @32845 has 30 MA's), (5, 32890), (10, 32953),

Gene: Techage_47 Start: 33558, Stop: 33839, Start Num: 3
Candidate Starts for Techage_47:
(2, 33447), (Start: 3 @33558 has 30 MA's), (9, 33651), (10, 33663),

Gene: ThulaThula_55 Start: 38396, Stop: 38662, Start Num: 3
Candidate Starts for ThulaThula_55:
(Start: 3 @38396 has 30 MA's), (4, 38438), (7, 38477), (9, 38492),

Gene: TootsiePop_67 Start: 42474, Stop: 42728, Start Num: 3
Candidate Starts for TootsiePop_67:
(Start: 3 @42474 has 30 MA's), (5, 42519), (10, 42582),

Gene: Xula_44 Start: 33295, Stop: 33546, Start Num: 3
Candidate Starts for Xula_44:
(2, 33184), (Start: 3 @33295 has 30 MA's), (7, 33376), (9, 33391),