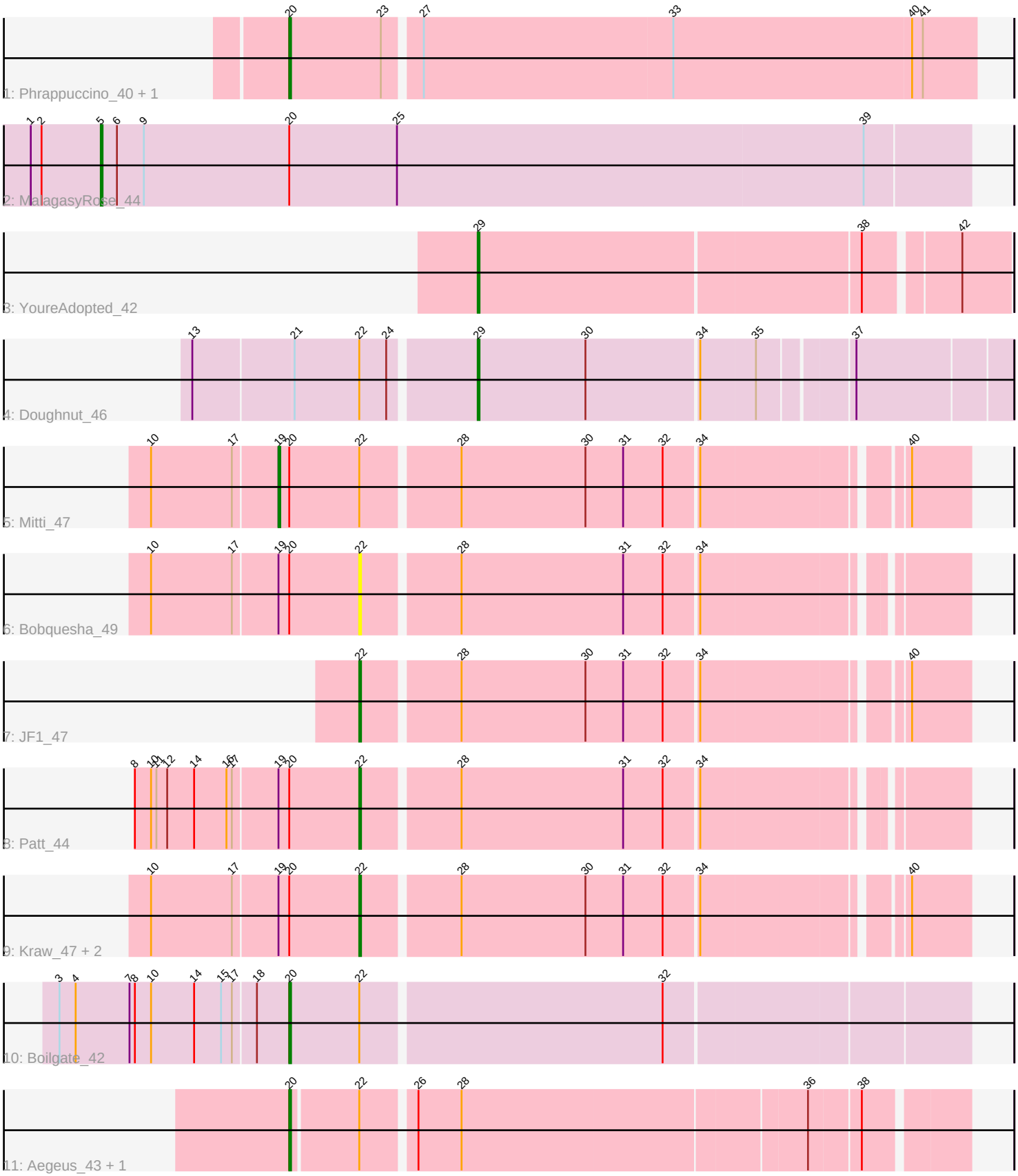
Pham 348144


1: Phrappuccino_40 + 1
2: MalagasyRose_44
3: YoureAdopted_42
4: Doughnut_46
5: Mitti_47
6: Bobquesha_49
7: JF1_47
8: Patt_44
9: Kraw_47 + 2
10: Boilgate_42
11: Aegeus_43 + 1

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 348144 Report

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

Pham number 348144 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Phrappuccino_40, Settecandela_40
• Track 2 : MalagasyRose_44
• Track 3 : YoureAdopted_42
• Track 4 : Doughnut_46
• Track 5 : Mitti_47
• Track 6 : Bobquesha_49
• Track 7 : JF1_47
• Track 8 : Patt_44
• Track 9 : Kraw_47, Nolwazi_49, Qhanda_49
• Track 10 : Boilgate_42
• Track 11 : Aegeus_43, Baudelaire_43

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

The start number called the most often in the published annotations is 20, it was called in 5 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aegeus_43, Baudelaire_43, Boilgate_42, Phrappuccino_40, Settecandela_40,

Genes that have the "Most Annotated" start but do not call it:
• Bobquesha_49, Kraw_47, MalagasyRose_44, Mitti_47, Nolwazi_49, Patt_44, Qhanda_49,

Genes that do not have the "Most Annotated" start:
• Doughnut_46, JF1_47, YoureAdopted_42,

Summary by start number:

Start 5:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MalagasyRose_44 (AG),

Start 19:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Mitti_47 (K4),

Start 20:
• Found in 12 of 15 (80.0%) of genes in pham
• Manual Annotations of this start: 5 of 12
• Called 41.7% of time when present
• Phage (with cluster) where this start called: Aegeus_43 (L5), Baudelaire_43 (L5), Boilgate_42 (K8), Phrappuccino_40 (AA), Settecandela_40 (AA),

Start 22:
• Found in 11 of 15 (73.3%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 54.5% of time when present
• Phage (with cluster) where this start called: Bobquesha_49 (K4), JF1_47 (K4), Kraw_47 (K4), Nolwazi_49 (K4), Patt_44 (K4), Qhanda_49 (K4),

Start 29:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Doughnut_46 (K2), YoureAdopted_42 (K1),

Summary by clusters:

There are 7 clusters represented in this pham: AA, AG, K2, K1, L5, K4, K8,

Info for manual annotations of cluster AA:
•Start number 20 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster AG:
•Start number 5 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster K1:
•Start number 29 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K2:
•Start number 29 was manually annotated 1 time for cluster K2.

Info for manual annotations of cluster K4:
•Start number 19 was manually annotated 1 time for cluster K4.
•Start number 22 was manually annotated 3 times for cluster K4.

Info for manual annotations of cluster K8:
•Start number 20 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L5:
•Start number 20 was manually annotated 2 times for cluster L5.

Gene Information:

Gene: Aegeus_43 Start: 36657, Stop: 36304, Start Num: 20
Candidate Starts for Aegeus_43:
(Start: 20 @36657 has 5 MA's), (Start: 22 @36621 has 3 MA's), (26, 36594), (28, 36570), (36, 36384), (38, 36357),

Gene: Baudelaire_43 Start: 36657, Stop: 36304, Start Num: 20
Candidate Starts for Baudelaire_43:
(Start: 20 @36657 has 5 MA's), (Start: 22 @36621 has 3 MA's), (26, 36594), (28, 36570), (36, 36384), (38, 36357),

Gene: Bobquesha_49 Start: 35368, Stop: 35057, Start Num: 22
Candidate Starts for Bobquesha_49:
(10, 35482), (17, 35437), (Start: 19 @35413 has 1 MA's), (Start: 20 @35407 has 5 MA's), (Start: 22 @35368 has 3 MA's), (28, 35317), (31, 35227), (32, 35206), (34, 35188),

Gene: Boilgate_42 Start: 36179, Stop: 35817, Start Num: 20
Candidate Starts for Boilgate_42:
(3, 36305), (4, 36296), (7, 36266), (8, 36263), (10, 36254), (14, 36230), (15, 36215), (17, 36209), (18, 36197), (Start: 20 @36179 has 5 MA's), (Start: 22 @36140 has 3 MA's), (32, 35978),

Gene: Doughnut_46 Start: 36568, Stop: 36287, Start Num: 29
Candidate Starts for Doughnut_46:
(13, 36718), (21, 36664), (Start: 22 @36628 has 3 MA's), (24, 36613), (Start: 29 @36568 has 2 MA's), (30, 36508), (34, 36448), (35, 36418), (37, 36370),

Gene: JF1_47 Start: 36061, Stop: 35747, Start Num: 22
Candidate Starts for JF1_47:
(Start: 22 @36061 has 3 MA's), (28, 36010), (30, 35941), (31, 35920), (32, 35899), (34, 35881), (40, 35779),

Gene: Kraw_47 Start: 35905, Stop: 35591, Start Num: 22
Candidate Starts for Kraw_47:
(10, 36019), (17, 35974), (Start: 19 @35950 has 1 MA's), (Start: 20 @35944 has 5 MA's), (Start: 22 @35905 has 3 MA's), (28, 35854), (30, 35785), (31, 35764), (32, 35743), (34, 35725), (40, 35623),

Gene: MalagasyRose_44 Start: 33876, Stop: 33397, Start Num: 5
Candidate Starts for MalagasyRose_44:
(1, 33915), (2, 33909), (Start: 5 @33876 has 1 MA's), (6, 33867), (9, 33852), (Start: 20 @33771 has 5 MA's), (25, 33711), (39, 33453),

Gene: Mitti_47 Start: 36126, Stop: 35767, Start Num: 19
Candidate Starts for Mitti_47:
(10, 36195), (17, 36150), (Start: 19 @36126 has 1 MA's), (Start: 20 @36120 has 5 MA's), (Start: 22 @36081 has 3 MA's), (28, 36030), (30, 35961), (31, 35940), (32, 35919), (34, 35901), (40, 35799),

Gene: Nolwazi_49 Start: 35984, Stop: 35670, Start Num: 22
Candidate Starts for Nolwazi_49:

(10, 36098), (17, 36053), (Start: 19 @36029 has 1 MA's), (Start: 20 @36023 has 5 MA's), (Start: 22 @35984 has 3 MA's), (28, 35933), (30, 35864), (31, 35843), (32, 35822), (34, 35804), (40, 35702),

Gene: Patt_44 Start: 35104, Stop: 34793, Start Num: 22
Candidate Starts for Patt_44:
(8, 35227), (10, 35218), (11, 35215), (12, 35209), (14, 35194), (16, 35176), (17, 35173), (Start: 19 @35149 has 1 MA's), (Start: 20 @35143 has 5 MA's), (Start: 22 @35104 has 3 MA's), (28, 35053), (31, 34963), (32, 34942), (34, 34924),

Gene: Phrappuccino_40 Start: 22957, Stop: 22583, Start Num: 20
Candidate Starts for Phrappuccino_40:
(Start: 20 @22957 has 5 MA's), (23, 22906), (27, 22888), (33, 22750), (40, 22618), (41, 22612),

Gene: Qhanda_49 Start: 36002, Stop: 35688, Start Num: 22
Candidate Starts for Qhanda_49:
(10, 36116), (17, 36071), (Start: 19 @36047 has 1 MA's), (Start: 20 @36041 has 5 MA's), (Start: 22 @36002 has 3 MA's), (28, 35951), (30, 35882), (31, 35861), (32, 35840), (34, 35822), (40, 35720),

Gene: Settecandela_40 Start: 22957, Stop: 22583, Start Num: 20
Candidate Starts for Settecandela_40:
(Start: 20 @22957 has 5 MA's), (23, 22906), (27, 22888), (33, 22750), (40, 22618), (41, 22612),

Gene: YoureAdopted_42 Start: 35085, Stop: 34804, Start Num: 29
Candidate Starts for YoureAdopted_42:
(Start: 29 @35085 has 2 MA's), (38, 34878), (42, 34830),