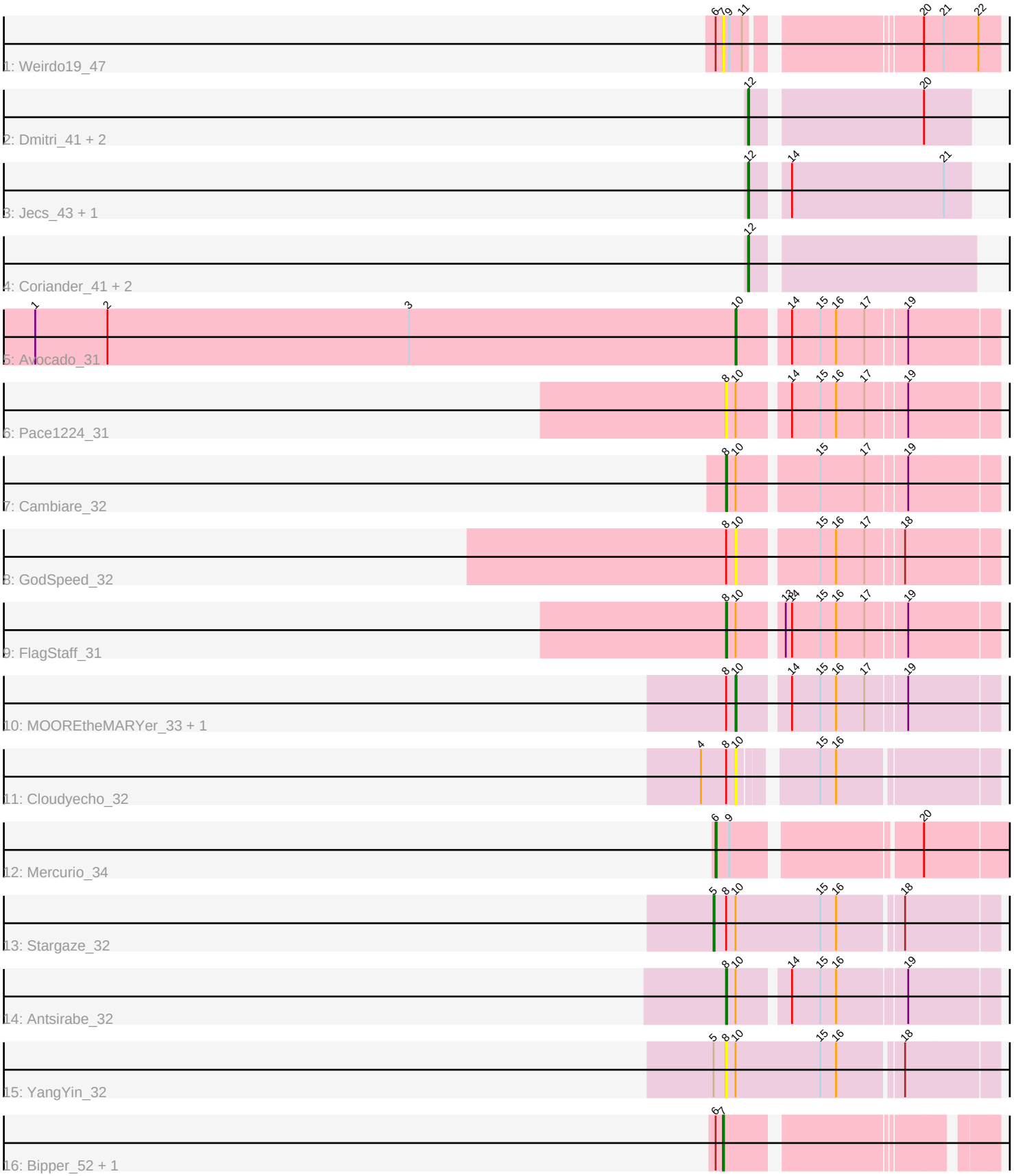
Pham 303657


1: Weirdo19_47
2: Dmitri_41 + 2
3: Jecs_43 + 1
4: Coriander_41 + 2
5: Avocado_31
6: Pace1224_31
7: Cambiare_32
8: GodSpeed_32
9: FlagStaff_31
10: MOOREtheMARYer_33 + 1
11: Cloudyecho_32
12: Mercurio_34
13: Stargaze_32
14: Antsirabe_32
15: YangYin_32
16: Bipper_52 + 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 303657 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303657 has 23 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Weirdo19_47
• Track 2 : Dmitri_41, Chipko_46, Moonflower_40
• Track 3 : Jecs_43, Opie_44
• Track 4 : Coriander_41, Doggs_38, TaronosaurasRx_43
• Track 5 : Avocado_31
• Track 6 : Pace1224_31
• Track 7 : Cambiare_32
• Track 8 : GodSpeed_32
• Track 9 : FlagStaff_31
• Track 10 : MOOREtheMARYer_33, Pinnie_33
• Track 11 : Cloudyecho_32
• Track 12 : Mercurio_34
• Track 13 : Stargaze_32
• Track 14 : Antsirabe_32
• Track 15 : YangYin_32
• Track 16 : Bipper_52, Cracklewink_52

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

The start number called the most often in the published annotations is 12, it was called in 5 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chipko_46, Coriander_41, Dmitri_41, Doggs_38, Jecs_43, Moonflower_40, Opie_44, TaronosaurasRx_43,

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

Genes that do not have the "Most Annotated" start:
• Antsirabe_32, Avocado_31, Bipper_52, Cambiare_32, Cloudyecho_32, Cracklewink_52, FlagStaff_31, GodSpeed_32, MOOREtheMARYer_33, Mercurio_34, Pace1224_31, Pinnie_33, Stargaze_32, Weirdo19_47, YangYin_32,

Summary by start number:

Start 5:
• Found in 2 of 23 (8.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Stargaze_32 (G5),

Start 6:
• Found in 4 of 23 (17.4%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Mercurio_34 (G4),

Start 7:
• Found in 3 of 23 (13.0%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bipper_52 (Y), Cracklewink_52 (Y), Weirdo19_47 (AH),

Start 8:
• Found in 10 of 23 (43.5%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Antsirabe_32 (G5), Cambiare_32 (G2), FlagStaff_31 (G2), Pace1224_31 (G2), YangYin_32 (G5),

Start 10:
• Found in 11 of 23 (47.8%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 45.5% of time when present
• Phage (with cluster) where this start called: Avocado_31 (G2), Cloudyecho_32 (G3), GodSpeed_32 (G2), MOOREtheMARYer_33 (G3), Pinnie_33 (G3),

Start 12:
• Found in 8 of 23 (34.8%) of genes in pham
• Manual Annotations of this start: 5 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chipko_46 (DB), Coriander_41 (DB), Dmitri_41 (DB), Doggs_38 (DB), Jecs_43 (DB), Moonflower_40 (DB), Opie_44 (DB), TaronosaurasRx_43 (DB),

Summary by clusters:

There are 7 clusters represented in this pham: G5, G4, G3, G2, AH, DB, Y,

Info for manual annotations of cluster DB:
•Start number 12 was manually annotated 5 times for cluster DB.

Info for manual annotations of cluster G2:
•Start number 8 was manually annotated 2 times for cluster G2.

•Start number 10 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:
•Start number 10 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 6 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:
•Start number 5 was manually annotated 1 time for cluster G5.
•Start number 8 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster Y:
•Start number 7 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: Antsirabe_32 Start: 29568, Stop: 29807, Start Num: 8
Candidate Starts for Antsirabe_32:
(Start: 8 @29568 has 3 MA's), (Start: 10 @29577 has 3 MA's), (14, 29619), (15, 29646), (16, 29661), (19, 29724),

Gene: Avocado_31 Start: 29572, Stop: 29802, Start Num: 10
Candidate Starts for Avocado_31:
(1, 28903), (2, 28972), (3, 29260), (Start: 10 @29572 has 3 MA's), (14, 29614), (15, 29641), (16, 29656), (17, 29683), (19, 29719),

Gene: Bipper_52 Start: 40190, Stop: 40414, Start Num: 7
Candidate Starts for Bipper_52:
(Start: 6 @40184 has 1 MA's), (Start: 7 @40190 has 2 MA's),

Gene: Cambiare_32 Start: 30030, Stop: 30269, Start Num: 8
Candidate Starts for Cambiare_32:
(Start: 8 @30030 has 3 MA's), (Start: 10 @30039 has 3 MA's), (15, 30108), (17, 30150), (19, 30186),

Gene: Chipko_46 Start: 34356, Stop: 34550, Start Num: 12
Candidate Starts for Chipko_46:
(Start: 12 @34356 has 5 MA's), (20, 34509),

Gene: Cloudyecho_32 Start: 29772, Stop: 29990, Start Num: 10
Candidate Starts for Cloudyecho_32:
(4, 29739), (Start: 8 @29763 has 3 MA's), (Start: 10 @29772 has 3 MA's), (15, 29832), (16, 29847),

Gene: Coriander_41 Start: 31926, Stop: 32126, Start Num: 12
Candidate Starts for Coriander_41:
(Start: 12 @31926 has 5 MA's),

Gene: Cracklewink_52 Start: 40183, Stop: 40407, Start Num: 7
Candidate Starts for Cracklewink_52:
(Start: 6 @40177 has 1 MA's), (Start: 7 @40183 has 2 MA's),

Gene: Dmitri_41 Start: 33516, Stop: 33710, Start Num: 12
Candidate Starts for Dmitri_41:
(Start: 12 @33516 has 5 MA's), (20, 33669),

Gene: Doggs_38 Start: 32655, Stop: 32855, Start Num: 12
Candidate Starts for Doggs_38:
(Start: 12 @32655 has 5 MA's),

Gene: FlagStaff_31 Start: 29350, Stop: 29589, Start Num: 8
Candidate Starts for FlagStaff_31:
(Start: 8 @29350 has 3 MA's), (Start: 10 @29359 has 3 MA's), (13, 29395), (14, 29401), (15, 29428), (16, 29443), (17, 29470), (19, 29506),

Gene: GodSpeed_32 Start: 29382, Stop: 29612, Start Num: 10
Candidate Starts for GodSpeed_32:
(Start: 8 @29373 has 3 MA's), (Start: 10 @29382 has 3 MA's), (15, 29451), (16, 29466), (17, 29493), (18, 29526),

Gene: Jecs_43 Start: 32124, Stop: 32318, Start Num: 12
Candidate Starts for Jecs_43:
(Start: 12 @32124 has 5 MA's), (14, 32151), (21, 32295),

Gene: MOOREtheMARYer_33 Start: 29854, Stop: 30084, Start Num: 10
Candidate Starts for MOOREtheMARYer_33:
(Start: 8 @29845 has 3 MA's), (Start: 10 @29854 has 3 MA's), (14, 29896), (15, 29923), (16, 29938), (17, 29965), (19, 30001),

Gene: Mercurio_34 Start: 30005, Stop: 30259, Start Num: 6
Candidate Starts for Mercurio_34:
(Start: 6 @30005 has 1 MA's), (9, 30017), (20, 30179),

Gene: Moonflower_40 Start: 33379, Stop: 33573, Start Num: 12
Candidate Starts for Moonflower_40:
(Start: 12 @33379 has 5 MA's), (20, 33532),

Gene: Opie_44 Start: 33313, Stop: 33507, Start Num: 12
Candidate Starts for Opie_44:
(Start: 12 @33313 has 5 MA's), (14, 33340), (21, 33484),

Gene: Pace1224_31 Start: 29350, Stop: 29589, Start Num: 8
Candidate Starts for Pace1224_31:
(Start: 8 @29350 has 3 MA's), (Start: 10 @29359 has 3 MA's), (14, 29401), (15, 29428), (16, 29443), (17, 29470), (19, 29506),

Gene: Pinnie_33 Start: 30225, Stop: 30455, Start Num: 10
Candidate Starts for Pinnie_33:
(Start: 8 @30216 has 3 MA's), (Start: 10 @30225 has 3 MA's), (14, 30267), (15, 30294), (16, 30309), (17, 30336), (19, 30372),

Gene: Stargaze_32 Start: 29578, Stop: 29838, Start Num: 5
Candidate Starts for Stargaze_32:
(Start: 5 @29578 has 1 MA's), (Start: 8 @29590 has 3 MA's), (Start: 10 @29599 has 3 MA's), (15, 29680), (16, 29695), (18, 29752),

Gene: TaronosaurasRx_43 Start: 31715, Stop: 31909, Start Num: 12
Candidate Starts for TaronosaurasRx_43:
(Start: 12 @31715 has 5 MA's),

Gene: Weirdo19_47 Start: 35144, Stop: 35377, Start Num: 7
Candidate Starts for Weirdo19_47:
(Start: 6 @35138 has 1 MA's), (Start: 7 @35144 has 2 MA's), (9, 35150), (11, 35162), (20, 35306), (21, 35324), (22, 35357),

Gene: YangYin_32 Start: 29616, Stop: 29864, Start Num: 8
Candidate Starts for YangYin_32:
(Start: 5 @29604 has 1 MA's), (Start: 8 @29616 has 3 MA's), (Start: 10 @29625 has 3 MA's), (15, 29706), (16, 29721), (18, 29778),