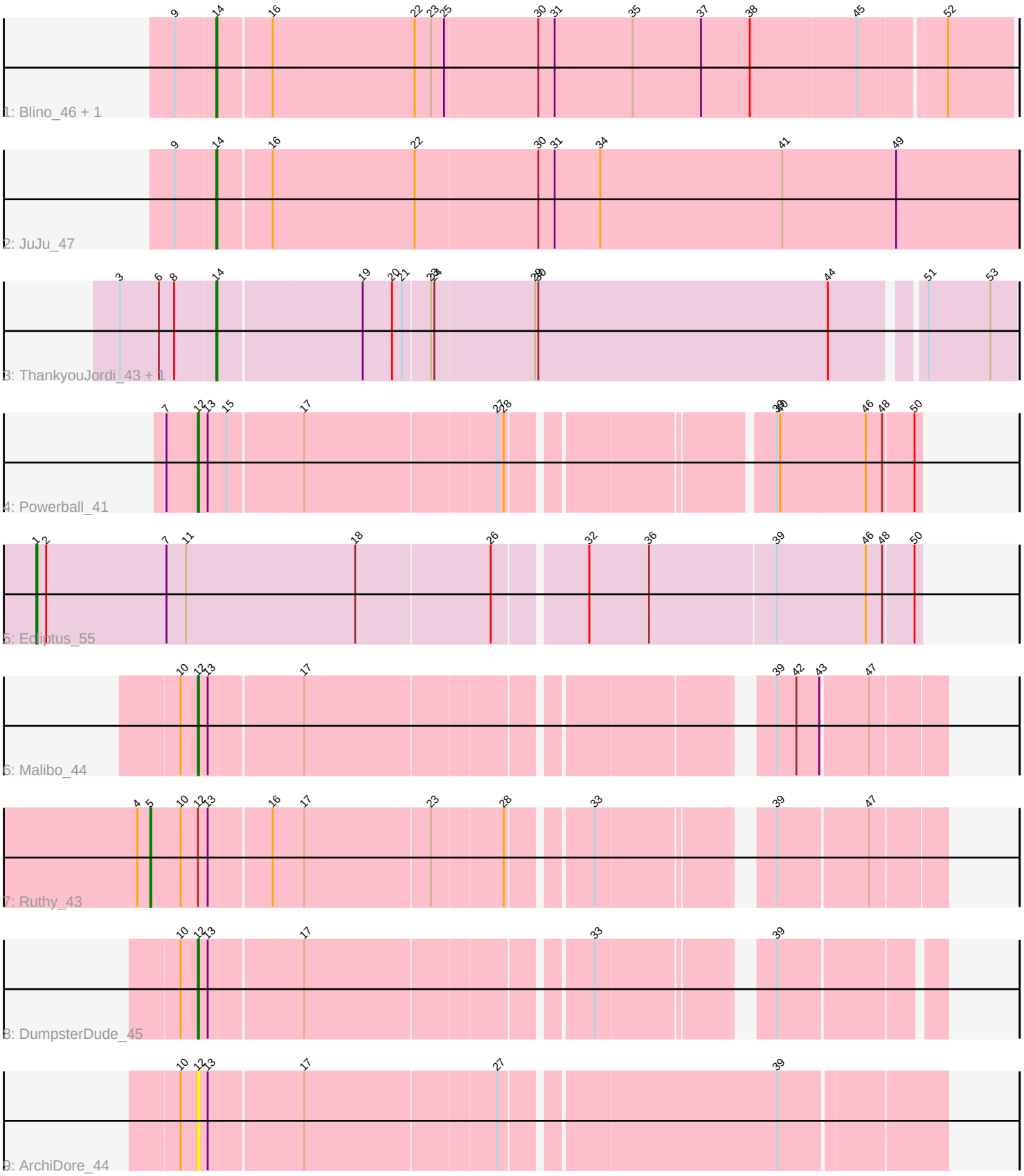
Pham 203529


1: Blino_46 + 1
2: JuJu_47
3: ThankyouJordi_43 + 1
4: Powerball_41
5: Ecliptus_55
6: Malibo_44
7: Ruthy_43
8: DumpsterDude_45
9: ArchiDore_44

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 203529 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203529 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Blino_46, CarolAnn_45
• Track 2 : JuJu_47
• Track 3 : ThankyouJordi_43, WelcomeAyanna_43
• Track 4 : Powerball_41
• Track 5 : Ecliptus_55
• Track 6 : Malibo_44
• Track 7 : Ruthy_43
• Track 8 : DumpsterDude_45
• Track 9 : ArchiDore_44

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

The start number called the most often in the published annotations is 14, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Blino_46, CarolAnn_45, JuJu_47, ThankyouJordi_43, WelcomeAyanna_43,

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

Genes that do not have the "Most Annotated" start:
• ArchiDore_44, DumpsterDude_45, Ecliptus_55, Malibo_44, Powerball_41, Ruthy_43,

Summary by start number:

Start 1:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ecliptus_55 (DN),

Start 5:

• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ruthy_43 (DW),

Start 12:
• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 80.0% of time when present
• Phage (with cluster) where this start called: ArchiDore_44 (DW), DumpsterDude_45 (DW), Malibo_44 (DW), Powerball_41 (CZ4),

Start 14:
• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Blino_46 (CV), CarolAnn_45 (CV), JuJu_47 (CV), ThankyouJordi_43 (CZ1), WelcomeAyanna_43 (CZ1),

Summary by clusters:

There are 5 clusters represented in this pham: DN, DW, CZ1, CV, CZ4,

Info for manual annotations of cluster CV:
•Start number 14 was manually annotated 3 times for cluster CV.

Info for manual annotations of cluster CZ1:
•Start number 14 was manually annotated 2 times for cluster CZ1.

Info for manual annotations of cluster CZ4:
•Start number 12 was manually annotated 1 time for cluster CZ4.

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

Info for manual annotations of cluster DW:
•Start number 5 was manually annotated 1 time for cluster DW.
•Start number 12 was manually annotated 2 times for cluster DW.

Gene Information:

Gene: ArchiDore_44 Start: 35753, Stop: 35109, Start Num: 12
Candidate Starts for ArchiDore_44:
(10, 35768), (Start: 12 @35753 has 3 MA's), (13, 35744), (17, 35663), (27, 35492), (39, 35255),

Gene: Blino_46 Start: 37798, Stop: 37088, Start Num: 14
Candidate Starts for Blino_46:
(9, 37834), (Start: 14 @37798 has 5 MA's), (16, 37750), (22, 37621), (23, 37606), (25, 37594), (30, 37510), (31, 37495), (35, 37423), (37, 37360), (38, 37315), (45, 37222), (52, 37147),

Gene: CarolAnn_45 Start: 37797, Stop: 37087, Start Num: 14

Candidate Starts for CarolAnn_45:
(9, 37833), (Start: 14 @37797 has 5 MA's), (16, 37749), (22, 37620), (23, 37605), (25, 37593), (30, 37509), (31, 37494), (35, 37422), (37, 37359), (38, 37314), (45, 37221), (52, 37146),

Gene: DumpsterDude_45 Start: 37978, Stop: 37367, Start Num: 12
Candidate Starts for DumpsterDude_45:
(10, 37993), (Start: 12 @37978 has 3 MA's), (13, 37969), (17, 37888), (33, 37645), (39, 37507),

Gene: Ecliptus_55 Start: 37538, Stop: 36750, Start Num: 1
Candidate Starts for Ecliptus_55:
(Start: 1 @37538 has 1 MA's), (2, 37529), (7, 37418), (11, 37400), (18, 37244), (26, 37124), (32, 37046), (36, 36992), (39, 36878), (46, 36797), (48, 36782), (50, 36755),

Gene: JuJu_47 Start: 35584, Stop: 34856, Start Num: 14
Candidate Starts for JuJu_47:
(9, 35620), (Start: 14 @35584 has 5 MA's), (16, 35536), (22, 35407), (30, 35296), (31, 35281), (34, 35239), (41, 35071), (49, 34969),

Gene: Malibo_44 Start: 34977, Stop: 34357, Start Num: 12
Candidate Starts for Malibo_44:
(10, 34992), (Start: 12 @34977 has 3 MA's), (13, 34968), (17, 34887), (39, 34503), (42, 34485), (43, 34464), (47, 34422),

Gene: Powerball_41 Start: 32791, Stop: 32180, Start Num: 12
Candidate Starts for Powerball_41:
(7, 32818), (Start: 12 @32791 has 3 MA's), (13, 32782), (15, 32767), (17, 32701), (27, 32530), (28, 32524), (39, 32308), (40, 32305), (46, 32227), (48, 32212), (50, 32185),

Gene: Ruthy_43 Start: 35381, Stop: 34722, Start Num: 5
Candidate Starts for Ruthy_43:
(4, 35393), (Start: 5 @35381 has 1 MA's), (10, 35354), (Start: 12 @35339 has 3 MA's), (13, 35330), (16, 35276), (17, 35249), (23, 35135), (28, 35072), (33, 35006), (39, 34868), (47, 34787),

Gene: ThankyouJordi_43 Start: 35979, Stop: 35272, Start Num: 14
Candidate Starts for ThankyouJordi_43:
(3, 36063), (6, 36027), (8, 36015), (Start: 14 @35979 has 5 MA's), (19, 35850), (20, 35823), (21, 35814), (23, 35790), (24, 35787), (29, 35697), (30, 35694), (44, 35427), (51, 35352), (53, 35295),

Gene: WelcomeAyanna_43 Start: 36126, Stop: 35419, Start Num: 14
Candidate Starts for WelcomeAyanna_43:
(3, 36210), (6, 36174), (8, 36162), (Start: 14 @36126 has 5 MA's), (19, 35997), (20, 35970), (21, 35961), (23, 35937), (24, 35934), (29, 35844), (30, 35841), (44, 35574), (51, 35499), (53, 35442),