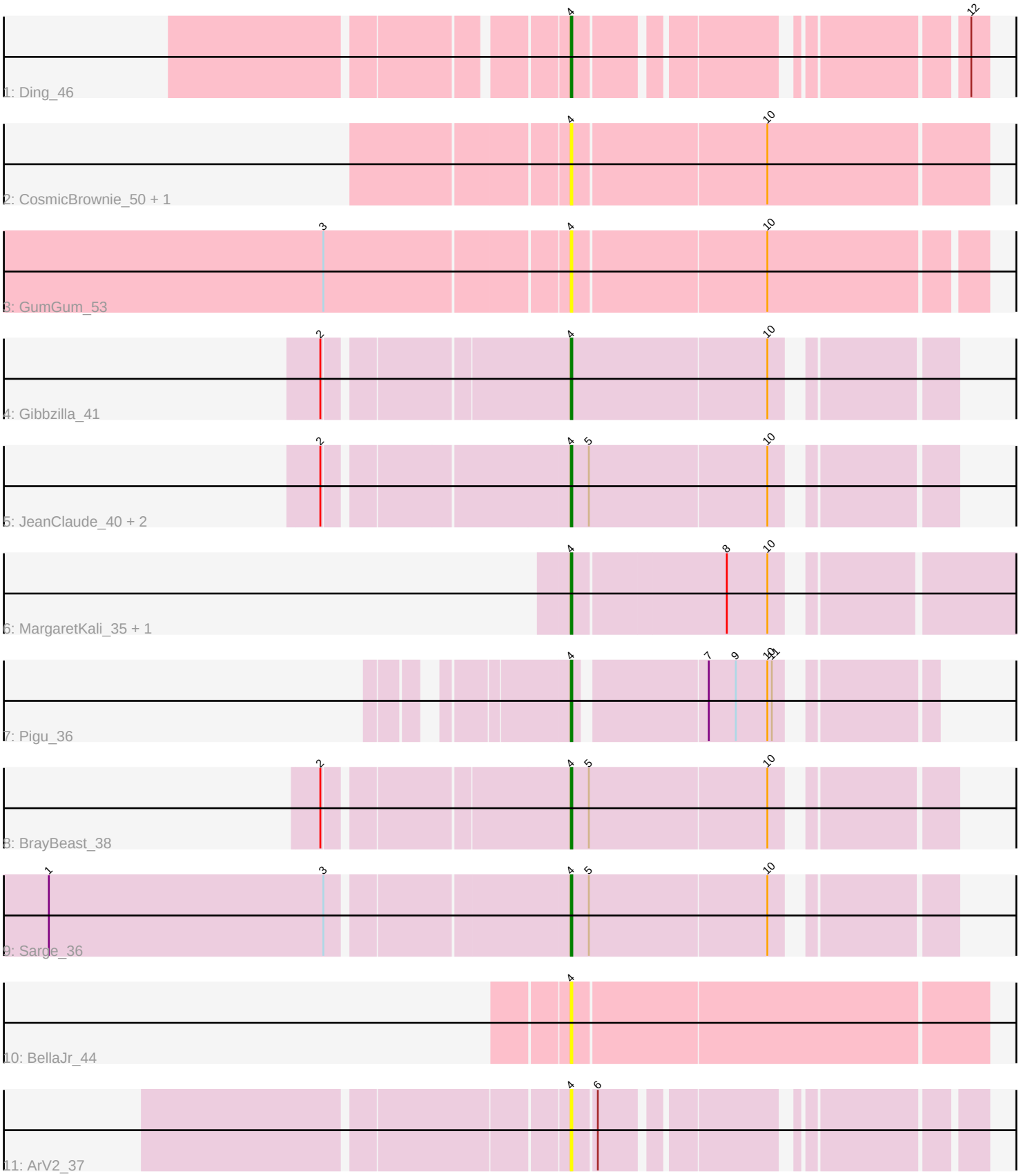
Pham 346263


1: Ding_46
2: CosmicBrownie_50 + 1
3: GumGum_53
4: Gibbzilla_41
5: JeanClaude_40 + 2
6: MargaretKali_35 + 1
7: Pigu_36
8: BrayBeast_38
9: Sarge_36
10: BellaJr_44
11: ArV2_37

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 346263 Report

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

Pham number 346263 has 15 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ding_46
• Track 2 : CosmicBrownie_50, Nyilah_53
• Track 3 : GumGum_53
• Track 4 : Gibbzilla_41
• Track 5 : JeanClaude_40, Shoya_42, Rooter_38
• Track 6 : MargaretKali_35, Kumotta_35
• Track 7 : Pigu_36
• Track 8 : BrayBeast_38
• Track 9 : Sarge_36
• Track 10 : BellaJr_44
• Track 11 : ArV2_37

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

The start number called the most often in the published annotations is 4, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArV2_37, BellaJr_44, BrayBeast_38, CosmicBrownie_50, Ding_46, Gibbzilla_41, GumGum_53, JeanClaude_40, Kumotta_35, MargaretKali_35, Nyilah_53, Pigu_36, Rooter_38, Sarge_36, Shoya_42,

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 4:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: ArV2_37 (singleton), BellaJr_44 (FN), BrayBeast_38 (FB), CosmicBrownie_50 (AY), Ding_46 (AY), Gibbzilla_41 (FB), GumGum_53 (AY), JeanClaude_40 (FB), Kumotta_35 (FB), MargaretKali_35 (FB), Nyilah_53 (AY), Pigu_36 (FB), Rooter_38 (FB), Sarge_36 (FB), Shoya_42 (FB),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FB, singleton, FN,

Info for manual annotations of cluster AY:
•Start number 4 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FB:
•Start number 4 was manually annotated 8 times for cluster FB.

Gene Information:

Gene: ArV2_37 Start: 24984, Stop: 25217, Start Num: 4
Candidate Starts for ArV2_37:
(Start: 4 @24984 has 9 MA's), (6, 24999),

Gene: BellaJr_44 Start: 30867, Stop: 31136, Start Num: 4
Candidate Starts for BellaJr_44:
(Start: 4 @30867 has 9 MA's),

Gene: BrayBeast_38 Start: 26733, Stop: 26966, Start Num: 4
Candidate Starts for BrayBeast_38:
(2, 26583), (Start: 4 @26733 has 9 MA's), (5, 26745), (10, 26862),

Gene: CosmicBrownie_50 Start: 31361, Stop: 31630, Start Num: 4
Candidate Starts for CosmicBrownie_50:
(Start: 4 @31361 has 9 MA's), (10, 31487),

Gene: Ding_46 Start: 31292, Stop: 31525, Start Num: 4
Candidate Starts for Ding_46:
(Start: 4 @31292 has 9 MA's), (12, 31514),

Gene: Gibbzilla_41 Start: 27286, Stop: 27519, Start Num: 4
Candidate Starts for Gibbzilla_41:
(2, 27136), (Start: 4 @27286 has 9 MA's), (10, 27415),

Gene: GumGum_53 Start: 31780, Stop: 32043, Start Num: 4
Candidate Starts for GumGum_53:
(3, 31624), (Start: 4 @31780 has 9 MA's), (10, 31906),

Gene: JeanClaude_40 Start: 25779, Stop: 26012, Start Num: 4
Candidate Starts for JeanClaude_40:
(2, 25629), (Start: 4 @25779 has 9 MA's), (5, 25791), (10, 25908),

Gene: Kumotta_35 Start: 26710, Stop: 26988, Start Num: 4

Candidate Starts for Kumotta_35:
(Start: 4 @26710 has 9 MA's), (8, 26809), (10, 26836),

Gene: MargaretKali_35 Start: 26345, Stop: 26617, Start Num: 4
Candidate Starts for MargaretKali_35:
(Start: 4 @26345 has 9 MA's), (8, 26444), (10, 26471),

Gene: Nyilah_53 Start: 30996, Stop: 31265, Start Num: 4
Candidate Starts for Nyilah_53:
(Start: 4 @30996 has 9 MA's), (10, 31122),

Gene: Pigu_36 Start: 25904, Stop: 26116, Start Num: 4
Candidate Starts for Pigu_36:
(Start: 4 @25904 has 9 MA's), (7, 25985), (9, 26003), (10, 26024), (11, 26027),

Gene: Rooter_38 Start: 26271, Stop: 26504, Start Num: 4
Candidate Starts for Rooter_38:
(2, 26121), (Start: 4 @26271 has 9 MA's), (5, 26283), (10, 26400),

Gene: Sarge_36 Start: 25079, Stop: 25312, Start Num: 4
Candidate Starts for Sarge_36:
(1, 24746), (3, 24929), (Start: 4 @25079 has 9 MA's), (5, 25091), (10, 25208),

Gene: Shoya_42 Start: 27047, Stop: 27280, Start Num: 4
Candidate Starts for Shoya_42:
(2, 26897), (Start: 4 @27047 has 9 MA's), (5, 27059), (10, 27176),