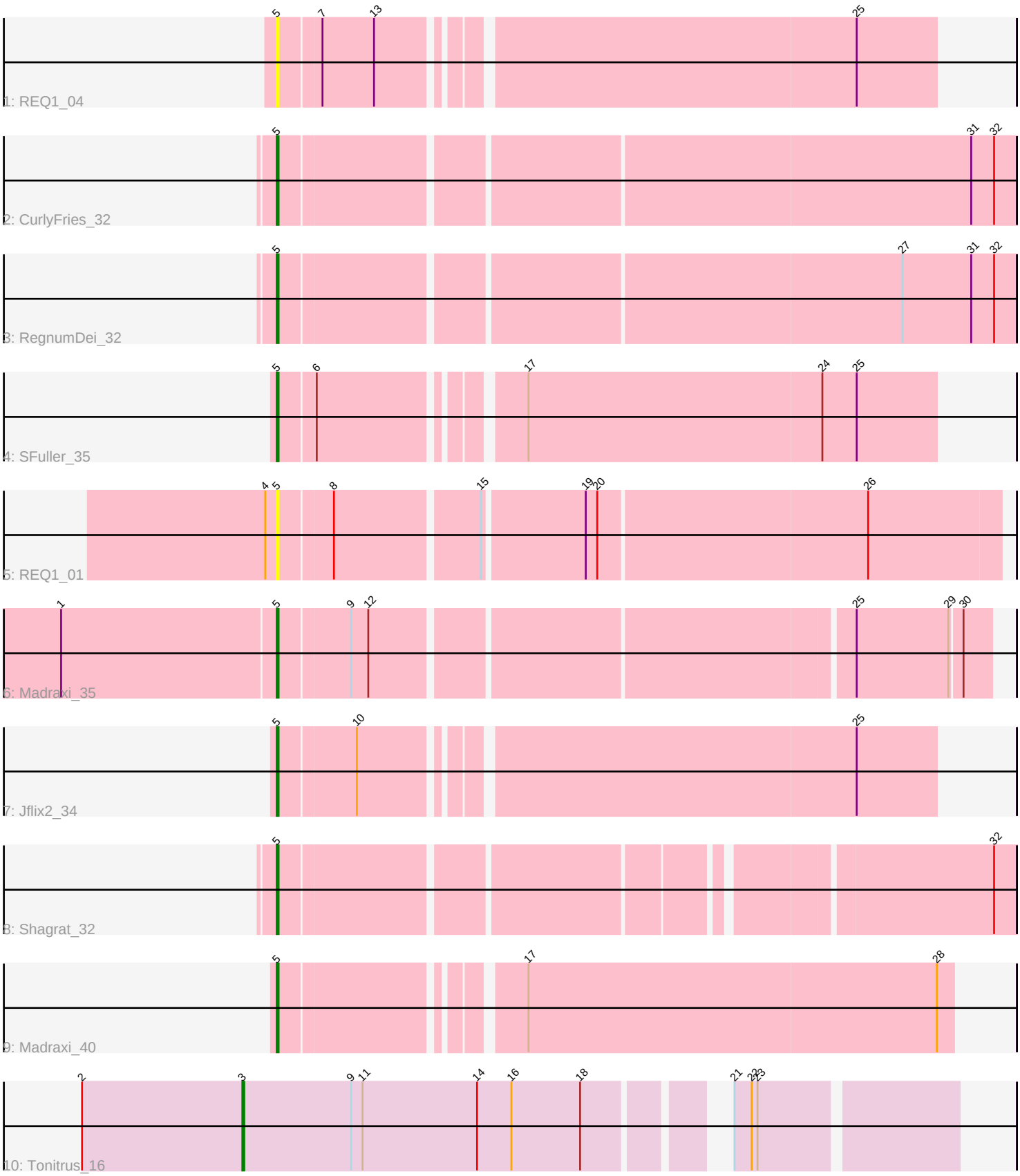
Pham 344637


1: REQ1_04
2: CurlyFries_32
3: RegnumDei_32
4: SFuller_35
5: REQ1_01
6: Madraxi_35
7: Jflix2_34
8: Shagrat_32
9: Madraxi_40
10: Tonitrus_16

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 344637 Report

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

Pham number 344637 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : REQ1_04
• Track 2 : CurlyFries_32
• Track 3 : RegnumDei_32
• Track 4 : SFuller_35
• Track 5 : REQ1_01
• Track 6 : Madraxi_35
• Track 7 : Jflix2_34
• Track 8 : Shagrat_32
• Track 9 : Madraxi_40
• Track 10 : Tonitrus_16

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CurlyFries_32, Jflix2_34, Madraxi_35, Madraxi_40, REQ1_01, REQ1_04, RegnumDei_32, SFuller_35, Shagrat_32,

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

Genes that do not have the "Most Annotated" start:
• Tonitrus_16,

Summary by start number:

Start 3:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tonitrus_16 (singleton),

Start 5:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CurlyFries_32 (CF), Jflix2_34 (CF), Madraxi_35 (CF), Madraxi_40 (CF), REQ1_01 (CF), REQ1_04 (CF), RegnumDei_32 (CF), SFuller_35 (CF), Shagrat_32 (CF),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, CF,

Info for manual annotations of cluster CF:
•Start number 5 was manually annotated 7 times for cluster CF.

Gene Information:

Gene: CurlyFries_32 Start: 27426, Stop: 27055, Start Num: 5
Candidate Starts for CurlyFries_32:
(Start: 5 @27426 has 7 MA's), (31, 27078), (32, 27066),

Gene: Jflix2_34 Start: 29473, Stop: 29150, Start Num: 5
Candidate Starts for Jflix2_34:
(Start: 5 @29473 has 7 MA's), (10, 29434), (25, 29191),

Gene: Madraxi_35 Start: 31277, Stop: 30927, Start Num: 5
Candidate Starts for Madraxi_35:
(1, 31388), (Start: 5 @31277 has 7 MA's), (9, 31241), (12, 31232), (25, 30995), (29, 30947), (30, 30941),

Gene: Madraxi_40 Start: 32668, Stop: 32336, Start Num: 5
Candidate Starts for Madraxi_40:
(Start: 5 @32668 has 7 MA's), (17, 32557), (28, 32344),

Gene: REQ1_04 Start: 1251, Stop: 928, Start Num: 5
Candidate Starts for REQ1_04:
(Start: 5 @1251 has 7 MA's), (7, 1230), (13, 1203), (25, 969),

Gene: REQ1_01 Start: 372, Stop: 10, Start Num: 5
Candidate Starts for REQ1_01:
(4, 378), (Start: 5 @372 has 7 MA's), (8, 345), (15, 273), (19, 222), (20, 216), (26, 78),

Gene: RegnumDei_32 Start: 27952, Stop: 27581, Start Num: 5
Candidate Starts for RegnumDei_32:
(Start: 5 @27952 has 7 MA's), (27, 27640), (31, 27604), (32, 27592),

Gene: SFuller_35 Start: 29828, Stop: 29505, Start Num: 5
Candidate Starts for SFuller_35:
(Start: 5 @29828 has 7 MA's), (6, 29810), (17, 29717), (24, 29564), (25, 29546),

Gene: Shagrat_32 Start: 28577, Stop: 28224, Start Num: 5

Candidate Starts for Shagrat_32:
(Start: 5 @28577 has 7 MA's), (32, 28235),

Gene: Tonitrus_16 Start: 10011, Stop: 10355, Start Num: 3
Candidate Starts for Tonitrus_16:
(2, 9927), (Start: 3 @10011 has 1 MA's), (9, 10068), (11, 10074), (14, 10134), (16, 10152), (18, 10188), (21, 10245), (22, 10254), (23, 10257),