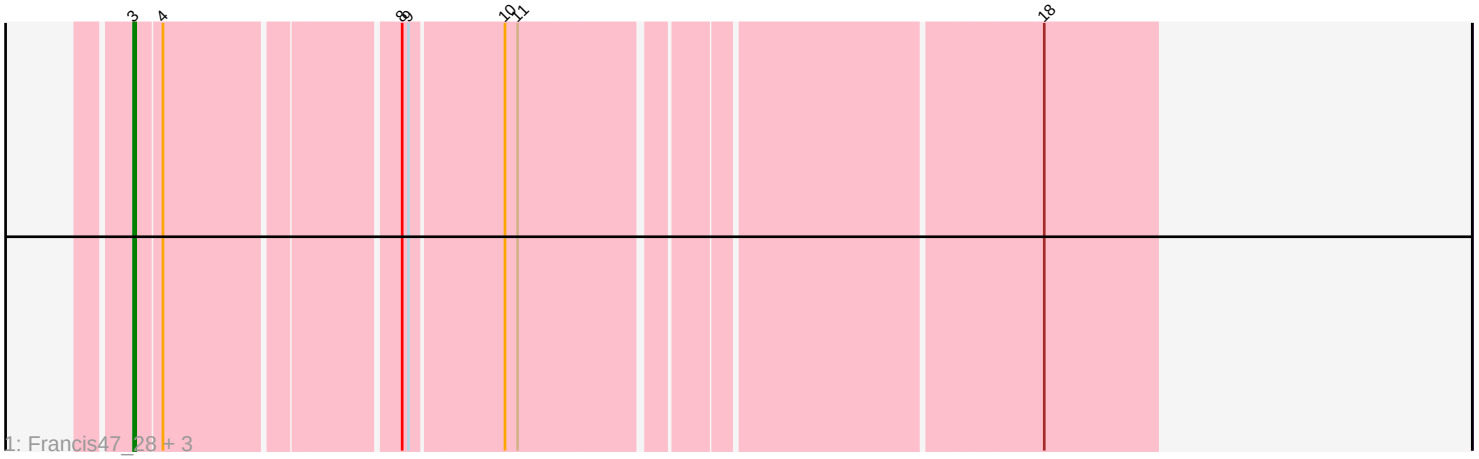
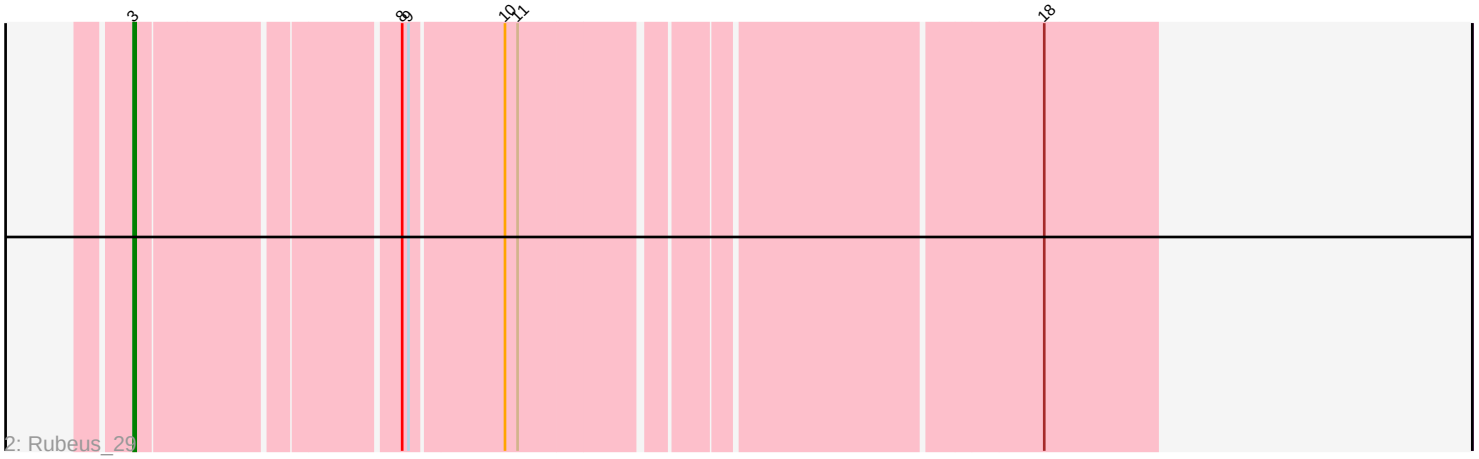
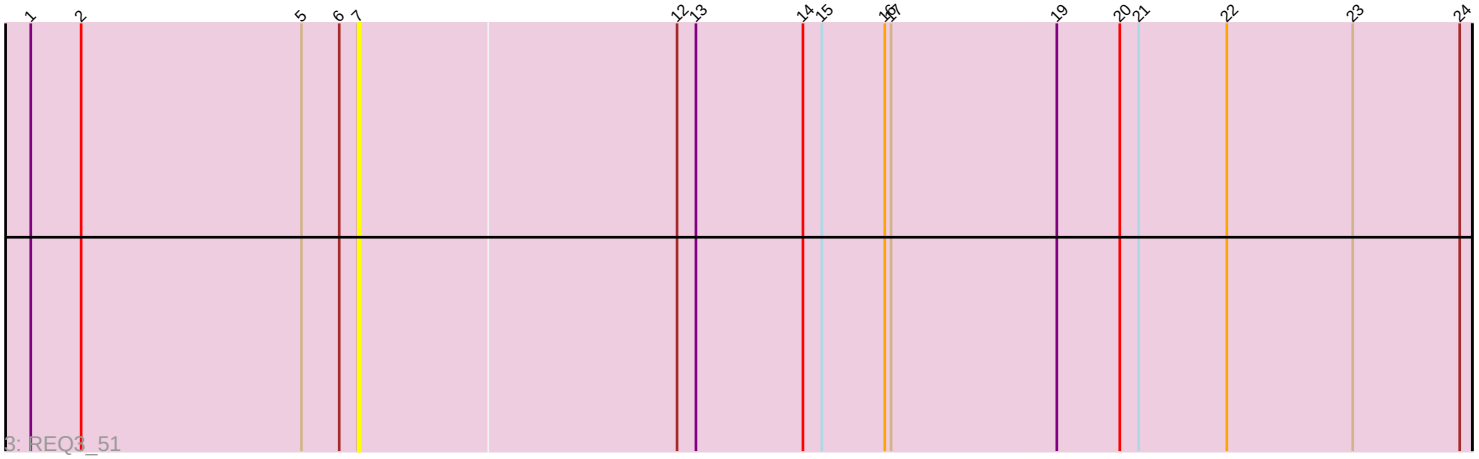
Pham 348395


3
4
8
9
10
11
18
1: Francis47_28 + 3


3
8
9
10
11
18
2: Rubeus_29


1
2
5
6
7
12
13
14
15
16
17
19
20
21
22
23
24
3: REQ3_51

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 348395 Report

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

Pham number 348395 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Francis47_28, Rufus_29, Hope4ever_28, Bruns_27
• Track 2 : Rubeus_29
• Track 3 : REQ3_51

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bruns_27, Francis47_28, Hope4ever_28, Rubeus_29, Rufus_29,

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

Genes that do not have the "Most Annotated" start:
• REQ3_51,

Summary by start number:

Start 3:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bruns_27 (A1), Francis47_28 (A1), Hope4ever_28 (A1), Rubeus_29 (A1), Rufus_29 (A1),

Start 7:
• Found in 1 of 6 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: REQ3_51 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: A1, singleton,

Info for manual annotations of cluster A1:
•Start number 3 was manually annotated 5 times for cluster A1.

Gene Information:

Gene: Bruns_27 Start: 22854, Stop: 23300, Start Num: 3
Candidate Starts for Bruns_27:
(Start: 3 @22854 has 5 MA's), (4, 22866), (8, 22968), (9, 22971), (10, 23013), (11, 23019), (18, 23247),

Gene: Francis47_28 Start: 23482, Stop: 23928, Start Num: 3
Candidate Starts for Francis47_28:
(Start: 3 @23482 has 5 MA's), (4, 23494), (8, 23596), (9, 23599), (10, 23641), (11, 23647), (18, 23875),

Gene: Hope4ever_28 Start: 23342, Stop: 23788, Start Num: 3
Candidate Starts for Hope4ever_28:
(Start: 3 @23342 has 5 MA's), (4, 23354), (8, 23456), (9, 23459), (10, 23501), (11, 23507), (18, 23735),

Gene: REQ3_51 Start: 33944, Stop: 34471, Start Num: 7
Candidate Starts for REQ3_51:
(1, 33788), (2, 33812), (5, 33917), (6, 33935), (7, 33944), (12, 34094), (13, 34103), (14, 34154), (15, 34163), (16, 34193), (17, 34196), (19, 34274), (20, 34304), (21, 34313), (22, 34355), (23, 34415), (24, 34466),

Gene: Rubeus_29 Start: 23044, Stop: 23490, Start Num: 3
Candidate Starts for Rubeus_29:
(Start: 3 @23044 has 5 MA's), (8, 23158), (9, 23161), (10, 23203), (11, 23209), (18, 23437),

Gene: Rufus_29 Start: 23346, Stop: 23792, Start Num: 3
Candidate Starts for Rufus_29:
(Start: 3 @23346 has 5 MA's), (4, 23358), (8, 23460), (9, 23463), (10, 23505), (11, 23511), (18, 23739),