Pham 201053
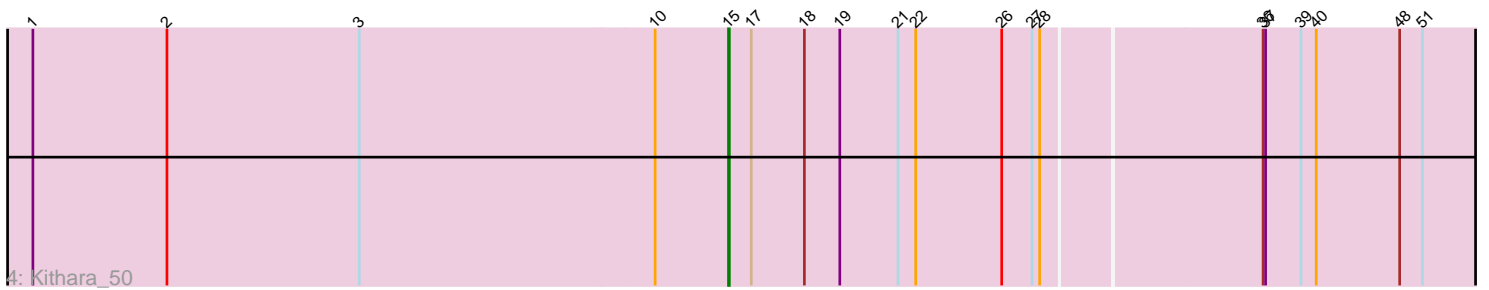

1: Terij_71

2: Kozie_71

3: Margaery_71

4: Kithara_50

5: VanLee_88
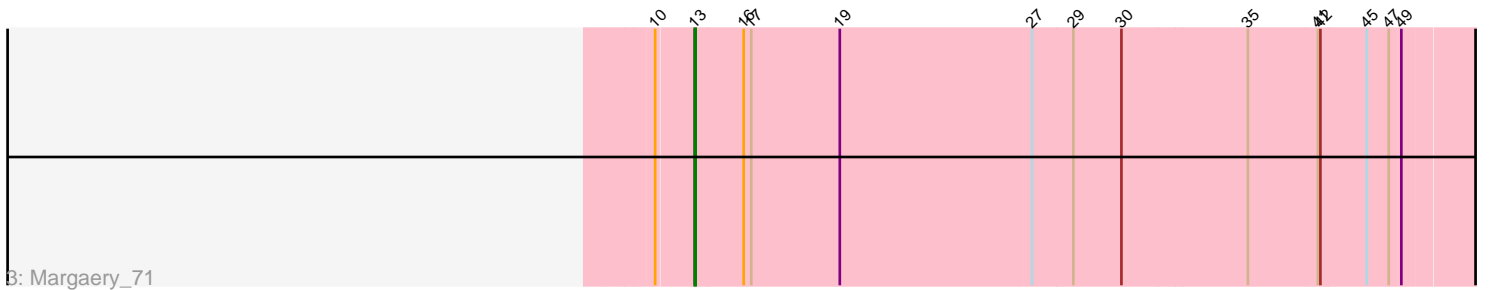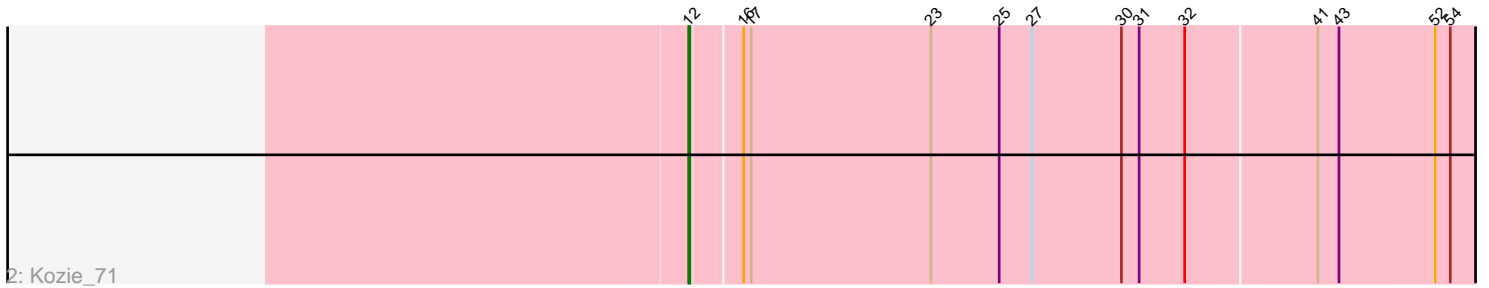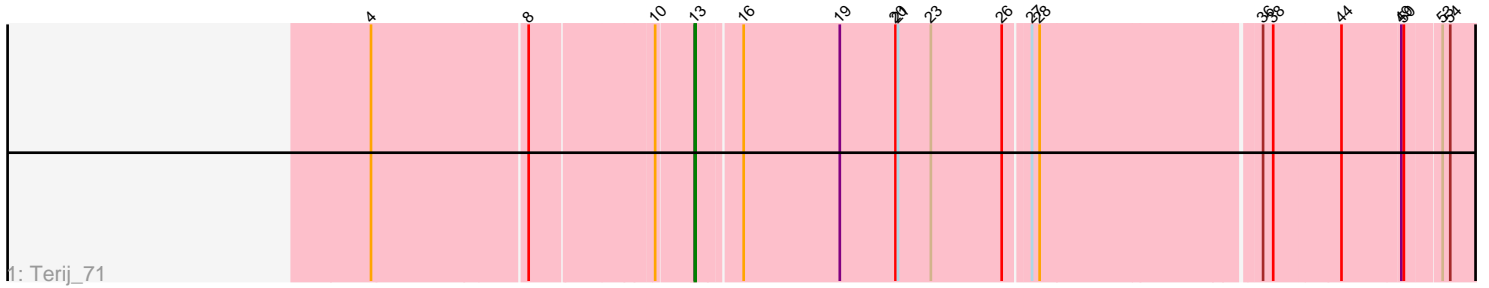
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 201053 Report

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

Pham number 201053 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Terij_71
• Track 2 : Kozie_71
• Track 3 : Margaery_71
• Track 4 : Kithara_50
• Track 5 : VanLee_88

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

The start number called the most often in the published annotations is 13, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Margaery_71, Terij_71,

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

Genes that do not have the "Most Annotated" start:
• Kithara_50, Kozie_71, VanLee_88,

Summary by start number:

Start 11:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: VanLee_88 (singleton),

Start 12:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kozie_71 (EI),

Start 13:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Margaery_71 (EI), Terij_71 (EI),

Start 15:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kithara_50 (singleton),

Summary by clusters:

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

Info for manual annotations of cluster EI:
•Start number 12 was manually annotated 1 time for cluster EI.
•Start number 13 was manually annotated 2 times for cluster EI.

Gene Information:

Gene: Kithara_50 Start: 40288, Stop: 39392, Start Num: 15
Candidate Starts for Kithara_50:
(1, 41107), (2, 40948), (3, 40720), (10, 40372), (Start: 15 @40288 has 1 MA's), (17, 40261), (18, 40198), (19, 40156), (21, 40087), (22, 40066), (26, 39964), (27, 39928), (28, 39919), (36, 39673), (37, 39670), (39, 39628), (40, 39610), (48, 39511), (51, 39484),

Gene: Kozie_71 Start: 44697, Stop: 45593, Start Num: 12
Candidate Starts for Kozie_71:
(Start: 12 @44697 has 1 MA's), (16, 44748), (17, 44757), (23, 44970), (25, 45051), (27, 45087), (30, 45192), (31, 45213), (32, 45264), (41, 45408), (43, 45432), (52, 45531), (54, 45549),

Gene: Margaery_71 Start: 44860, Stop: 45768, Start Num: 13
Candidate Starts for Margaery_71:
(10, 44821), (Start: 13 @44860 has 2 MA's), (16, 44917), (17, 44926), (19, 45031), (27, 45256), (29, 45304), (30, 45361), (35, 45508), (41, 45586), (42, 45589), (45, 45643), (47, 45667), (49, 45679),

Gene: Terij_71 Start: 43915, Stop: 44793, Start Num: 13
Candidate Starts for Terij_71:
(4, 43564), (8, 43741), (10, 43876), (Start: 13 @43915 has 2 MA's), (16, 43963), (19, 44077), (20, 44143), (21, 44146), (23, 44185), (26, 44269), (27, 44296), (28, 44305), (36, 44551), (38, 44563), (44, 44638), (49, 44704), (50, 44707), (53, 44746), (54, 44755),

Gene: VanLee_88 Start: 48644, Stop: 49501, Start Num: 11
Candidate Starts for VanLee_88:
(5, 48320), (6, 48401), (7, 48425), (9, 48509), (Start: 11 @48644 has 1 MA's), (14, 48665), (17, 48716), (24, 48956), (26, 49010), (27, 49043), (28, 49052), (33, 49238), (34, 49268), (46, 49397),