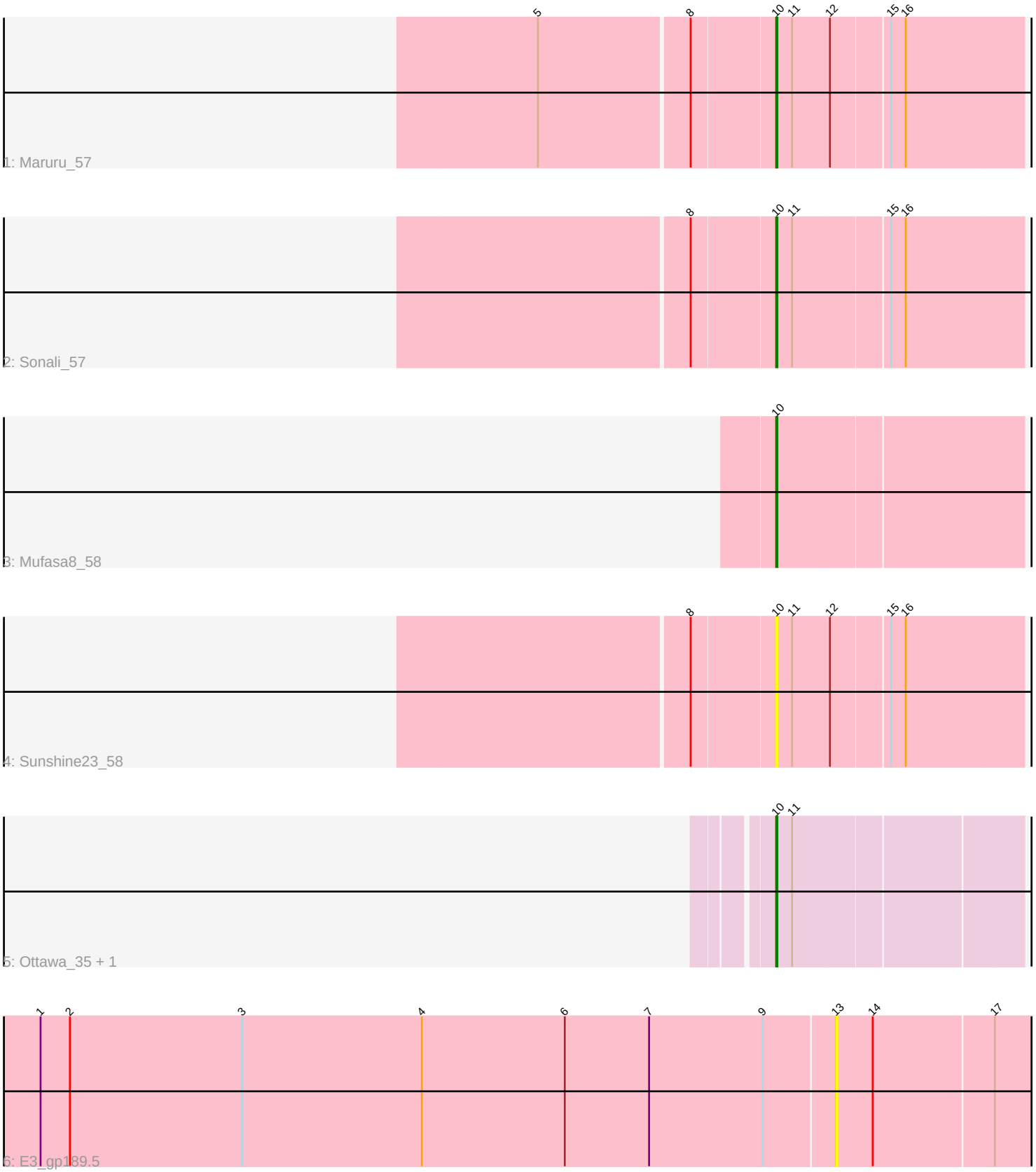
Pham 303980


5
8
10
11
12
15
16
1: Maruru_57
8
10
11
15
16
2: Sonali_57
10
3: Mufasa8_58
8
10
11
12
15
16
4: Sunshine23_58
10
11
5: Ottawa_35 + 1
1
2
3
4
6
7
9
13
14
17
6: E3_gp189.5

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 303980 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303980 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Maruru_57
• Track 2 : Sonali_57
• Track 3 : Mufasa8_58
• Track 4 : Sunshine23_58
• Track 5 : Ottawa_35, Kharcho_35
• Track 6 : E3_gp189.5

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

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

Genes that call this "Most Annotated" start:
• Kharcho_35, Maruru_57, Mufasa8_58, Ottawa_35, Sonali_57, Sunshine23_58,

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

Genes that do not have the "Most Annotated" start:
• E3_gp189.5,

Summary by start number:

Start 10:
• Found in 6 of 7 (85.7%) 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: Kharcho_35 (FM), Maruru_57 (FG), Mufasa8_58 (FG), Ottawa_35 (FM), Sonali_57 (FG), Sunshine23_58 (FG),

Start 13:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: E3_gp189.5 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, FM, FG,

Info for manual annotations of cluster FG:
•Start number 10 was manually annotated 3 times for cluster FG.

Info for manual annotations of cluster FM:
•Start number 10 was manually annotated 2 times for cluster FM.

Gene Information:

Gene: E3_gp189.5 Start: 125789, Stop: 125962, Start Num: 13
Candidate Starts for E3_gp189.5:
(1, 125141), (2, 125165), (3, 125306), (4, 125453), (6, 125570), (7, 125639), (9, 125732), (13, 125789), (14, 125819), (17, 125915),

Gene: Kharcho_35 Start: 14505, Stop: 14696, Start Num: 10
Candidate Starts for Kharcho_35:
(Start: 10 @14505 has 5 MA's), (11, 14517),

Gene: Maruru_57 Start: 42255, Stop: 42449, Start Num: 10
Candidate Starts for Maruru_57:
(5, 42069), (8, 42189), (Start: 10 @42255 has 5 MA's), (11, 42267), (12, 42297), (15, 42342), (16, 42354),

Gene: Mufasa8_58 Start: 41034, Stop: 41228, Start Num: 10
Candidate Starts for Mufasa8_58:
(Start: 10 @41034 has 5 MA's),

Gene: Ottawa_35 Start: 14503, Stop: 14694, Start Num: 10
Candidate Starts for Ottawa_35:
(Start: 10 @14503 has 5 MA's), (11, 14515),

Gene: Sonali_57 Start: 42711, Stop: 42905, Start Num: 10
Candidate Starts for Sonali_57:
(8, 42645), (Start: 10 @42711 has 5 MA's), (11, 42723), (15, 42798), (16, 42810),

Gene: Sunshine23_58 Start: 42392, Stop: 42586, Start Num: 10
Candidate Starts for Sunshine23_58:
(8, 42326), (Start: 10 @42392 has 5 MA's), (11, 42404), (12, 42434), (15, 42479), (16, 42491),