Pham 87273

1: Imvubu_100

2: Barkley26_54 + 2

3: Taheera_53 + 1
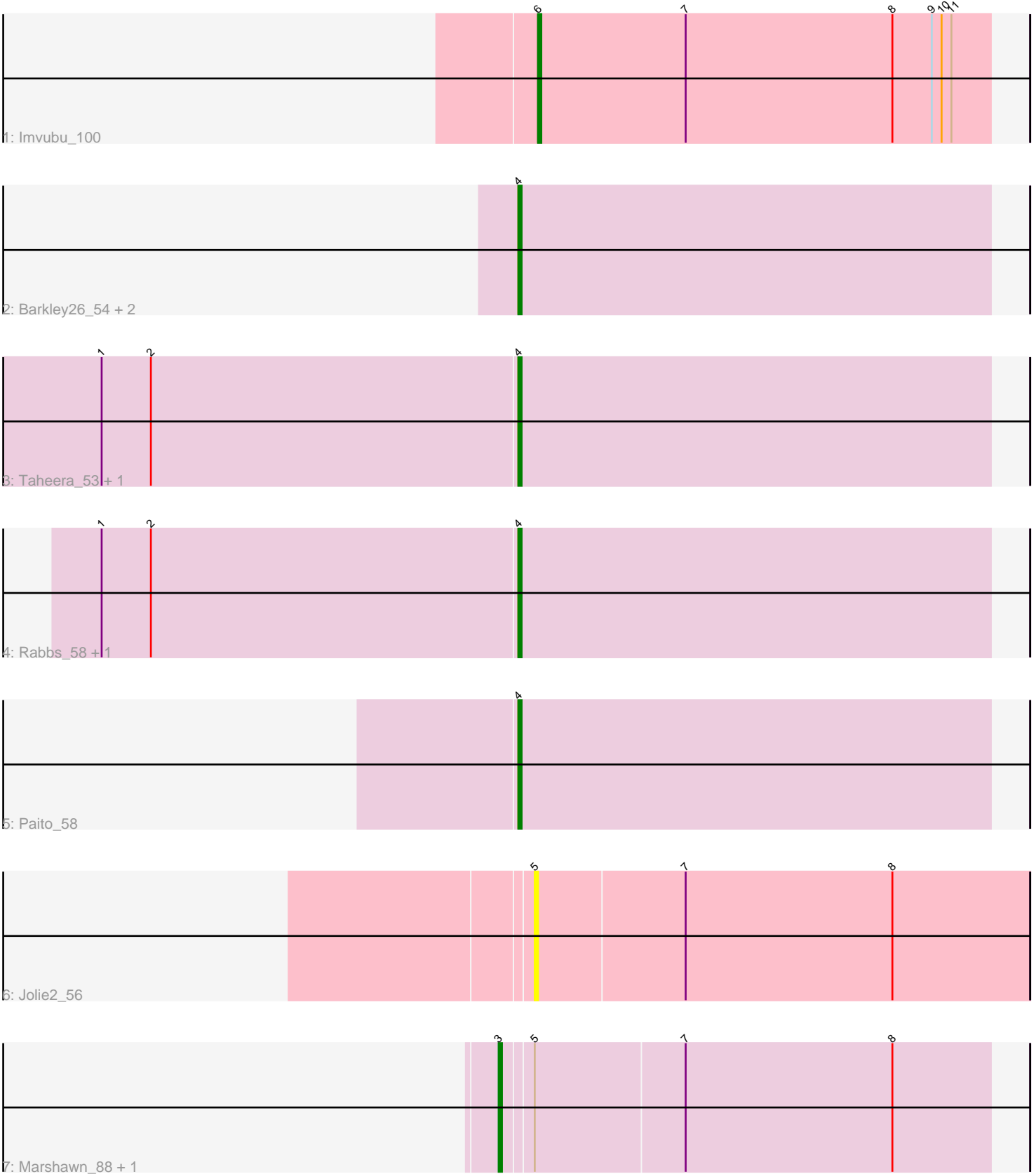
4: Rabbs_58 + 1

5: Paito_58

6: Jolie2_56

7: Marshawn_88 + 1

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 87273 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87273 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Imvubu_100
• Track 2 : Barkley26_54, Grizzly_56, Peeb_56
• Track 3 : Taheera_53, Terror_53
• Track 4 : Rabbs_58, Sneeze_57
• Track 5 : Paito_58
• Track 6 : Jolie2_56
• Track 7 : Marshawn_88, MarkPhew_92

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 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Barkley26_54, Grizzly_56, Paito_58, Peeb_56, Rabbs_58, Sneeze_57, Taheera_53, Terror_53,

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

Genes that do not have the "Most Annotated" start:
• Imvubu_100, Jolie2_56, MarkPhew_92, Marshawn_88,

Summary by start number:

Start 3:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MarkPhew_92 (K1), Marshawn_88 (K6),

Start 4:
• Found in 8 of 12 (66.7%) of genes in pham
• Manual Annotations of this start: 8 of 11

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barkley26_54 (G1), Grizzly_56 (G1), Paito_58 (G1), Peeb_56 (G1), Rabbs_58 (G1), Sneeze_57 (G1), Taheera_53 (G1), Terror_53 (G1),

Start 5:
• Found in 3 of 12 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Jolie2_56 (G4),

Start 6:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Imvubu_100 (B10),

Summary by clusters:

There are 5 clusters represented in this pham: K1, B10, G4, K6, G1,

Info for manual annotations of cluster B10:
•Start number 6 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster G1:
•Start number 4 was manually annotated 8 times for cluster G1.

Info for manual annotations of cluster K1:
•Start number 3 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K6:
•Start number 3 was manually annotated 1 time for cluster K6.

Gene Information:
Gene: Barkley26_54 Start: 38502, Stop: 38645, Start Num: 4
Candidate Starts for Barkley26_54:
(Start: 4 @38502 has 8 MA's),

Gene: Grizzly_56 Start: 39025, Stop: 39168, Start Num: 4
Candidate Starts for Grizzly_56:
(Start: 4 @39025 has 8 MA's),

Gene: Imvubu_100 Start: 68568, Stop: 68431, Start Num: 6
Candidate Starts for Imvubu_100:
(Start: 6 @68568 has 1 MA's), (7, 68523), (8, 68460), (9, 68448), (10, 68445), (11, 68442),

Gene: Jolie2_56 Start: 40342, Stop: 40491, Start Num: 5
Candidate Starts for Jolie2_56:
(5, 40342), (7, 40387), (8, 40450),

Gene: MarkPhew_92 Start: 57312, Stop: 57458, Start Num: 3
Candidate Starts for MarkPhew_92:
(Start: 3 @57312 has 2 MA's), (5, 57321), (7, 57366), (8, 57429),

Gene: Marshawn_88 Start: 57415, Stop: 57561, Start Num: 3
Candidate Starts for Marshawn_88:
(Start: 3 @57415 has 2 MA's), (5, 57424), (7, 57469), (8, 57532),

Gene: Paito_58 Start: 39411, Stop: 39554, Start Num: 4
Candidate Starts for Paito_58:
(Start: 4 @39411 has 8 MA's),

Gene: Peeb_56 Start: 39149, Stop: 39292, Start Num: 4
Candidate Starts for Peeb_56:
(Start: 4 @39149 has 8 MA's),

Gene: Rabbs_58 Start: 39134, Stop: 39277, Start Num: 4
Candidate Starts for Rabbs_58:
(1, 39008), (2, 39023), (Start: 4 @39134 has 8 MA's),

Gene: Sneeze_57 Start: 39133, Stop: 39276, Start Num: 4
Candidate Starts for Sneeze_57:
(1, 39007), (2, 39022), (Start: 4 @39133 has 8 MA's),

Gene: Taheera_53 Start: 38031, Stop: 38174, Start Num: 4
Candidate Starts for Taheera_53:
(1, 37905), (2, 37920), (Start: 4 @38031 has 8 MA's),

Gene: Terror_53 Start: 38031, Stop: 38174, Start Num: 4
Candidate Starts for Terror_53:
(1, 37905), (2, 37920), (Start: 4 @38031 has 8 MA's),