Pham 87428

1: Mudpuppy_58

2: Simpson_63 + 1

3: Tutumahutu_61

4: DrSierra_56

5: Cassia_59

6: Pumpkins_92

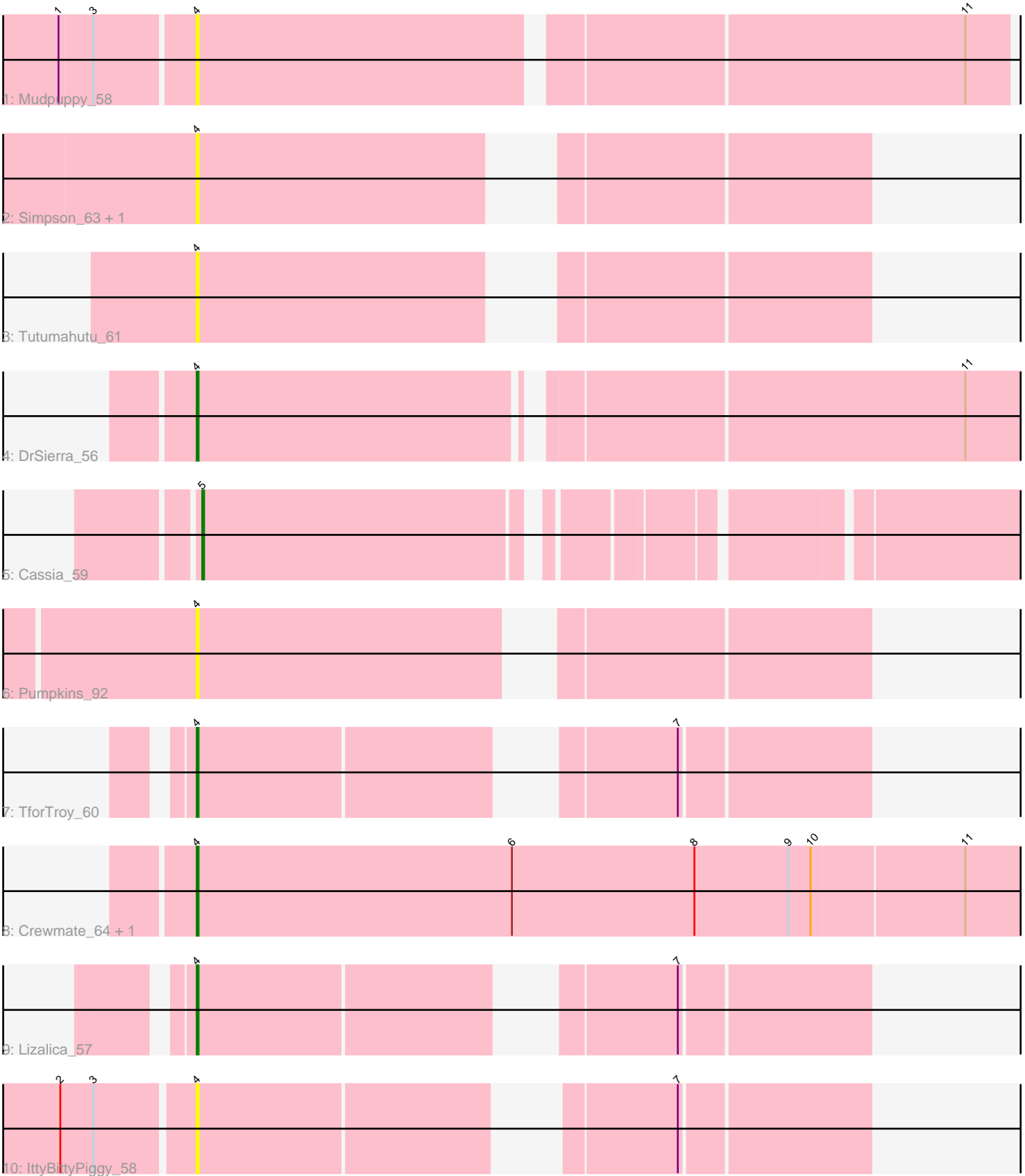7: TforTroy_60

8: Crewmate_64 + 1

9: Lizalica_57

10: IttyBittyPiggy_58

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 87428 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87428 has 12 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Mudpuppy_58
• Track 2 : Simpson_63, Joemato_63
• Track 3 : Tutumahutu_61
• Track 4 : DrSierra_56
• Track 5 : Cassia_59
• Track 6 : Pumpkins_92
• Track 7 : TforTroy_60
• Track 8 : Crewmate_64, ObiToo_64
• Track 9 : Lizalica_57
• Track 10 : IttyBittyPiggy_58

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Crewmate_64, DrSierra_56, IttyBittyPiggy_58, Joemato_63, Lizalica_57, Mudpuppy_58, ObiToo_64, Pumpkins_92, Simpson_63, TforTroy_60, Tutumahutu_61,

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

Genes that do not have the "Most Annotated" start:
• Cassia_59,

Summary by start number:

Start 4:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Crewmate_64 (AZ1), DrSierra_56 (AZ1), IttyBittyPiggy_58 (AZ1), Joemato_63 (AZ1), Lizalica_57 (AZ1), Mudpuppy_58 (AZ1), ObiToo_64 (AZ1), Pumpkins_92 (AZ1), Simpson_63 (AZ1), TforTroy_60 (AZ1), Tutumahutu_61 (AZ1),

Start 5:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cassia_59 (AZ1),

Summary by clusters:

There is one cluster represented in this pham: AZ1

Info for manual annotations of cluster AZ1:
•Start number 4 was manually annotated 5 times for cluster AZ1.
•Start number 5 was manually annotated 1 time for cluster AZ1.

Gene Information:
Gene: Cassia_59 Start: 40312, Stop: 40713, Start Num: 5
Candidate Starts for Cassia_59:
(Start: 5 @40312 has 1 MA's),

Gene: Crewmate_64 Start: 40878, Stop: 41321, Start Num: 4
Candidate Starts for Crewmate_64:
(Start: 4 @40878 has 5 MA's), (6, 41049), (8, 41148), (9, 41199), (10, 41211), (11, 41292),

Gene: DrSierra_56 Start: 39060, Stop: 39488, Start Num: 4
Candidate Starts for DrSierra_56:
(Start: 4 @39060 has 5 MA's), (11, 39453),

Gene: IttyBittyPiggy_58 Start: 38667, Stop: 38981, Start Num: 4
Candidate Starts for IttyBittyPiggy_58:
(2, 38598), (3, 38616), (Start: 4 @38667 has 5 MA's), (7, 38883),

Gene: Joemato_63 Start: 40429, Stop: 40749, Start Num: 4
Candidate Starts for Joemato_63:
(Start: 4 @40429 has 5 MA's),

Gene: Lizalica_57 Start: 39393, Stop: 39710, Start Num: 4
Candidate Starts for Lizalica_57:
(Start: 4 @39393 has 5 MA's), (7, 39612),

Gene: Mudpuppy_58 Start: 40018, Stop: 40446, Start Num: 4
Candidate Starts for Mudpuppy_58:
(1, 39949), (3, 39967), (Start: 4 @40018 has 5 MA's), (11, 40417),

Gene: ObiToo_64 Start: 40493, Stop: 40936, Start Num: 4
Candidate Starts for ObiToo_64:

(Start: 4 @40493 has 5 MA's), (6, 40664), (8, 40763), (9, 40814), (10, 40826), (11, 40907),

Gene: Pumpkins_92 Start: 40921, Stop: 41250, Start Num: 4
Candidate Starts for Pumpkins_92:
(Start: 4 @40921 has 5 MA's),

Gene: Simpson_63 Start: 40433, Stop: 40753, Start Num: 4
Candidate Starts for Simpson_63:
(Start: 4 @40433 has 5 MA's),

Gene: TforTroy_60 Start: 40602, Stop: 40919, Start Num: 4
Candidate Starts for TforTroy_60:
(Start: 4 @40602 has 5 MA's), (7, 40821),

Gene: Tutumahutu_61 Start: 40401, Stop: 40721, Start Num: 4
Candidate Starts for Tutumahutu_61:
(Start: 4 @40401 has 5 MA's),