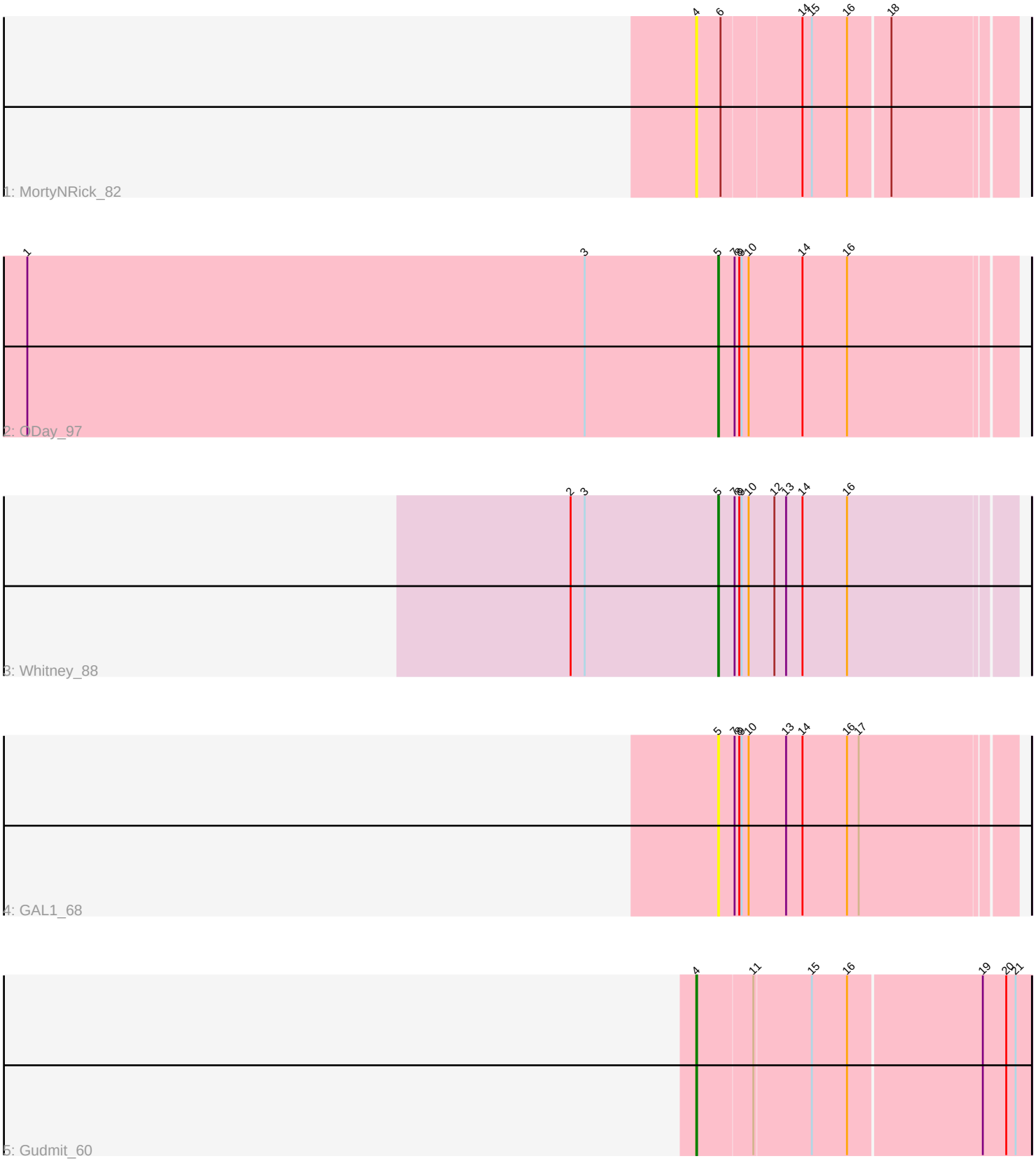
Pham 194709


4
6
14
15
16
18
1: MortyNRick_82
1
3
5
7
8
9
10
14
16
2: ODay_97
2
3
5
7
8
9
10
12
13
14
16
3: Whitney_88
5
7
8
9
10
13
14
16
17
4: GAL1_68
4
11
15
16
19
20
21
5: Gudmit_60

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 194709 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194709 has 5 members, 2 are drafts.

Phages represented in each track:
• Track 1 : MortyNRick_82
• Track 2 : ODay_97
• Track 3 : Whitney_88
• Track 4 : GAL1_68
• Track 5 : Gudmit_60

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

The start number called the most often in the published annotations is 5, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• GAL1_68, ODay_97, Whitney_88,

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

Genes that do not have the "Most Annotated" start:
• Gudmit_60, MortyNRick_82,

Summary by start number:

Start 4:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gudmit_60 (singleton), MortyNRick_82 (DN),

Start 5:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present

• Phage (with cluster) where this start called: GAL1_68 (singleton), ODay_97 (DN), Whitney_88 (DN1),

Summary by clusters:

There are 3 clusters represented in this pham: DN, singleton, DN1,

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

Info for manual annotations of cluster DN1:
•Start number 5 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: GAL1_68 Start: 43472, Stop: 43843, Start Num: 5
Candidate Starts for GAL1_68:
(Start: 5 @43472 has 2 MA's), (7, 43493), (8, 43499), (9, 43502), (10, 43511), (13, 43559), (14, 43580), (16, 43637), (17, 43652),

Gene: Gudmit_60 Start: 36750, Stop: 37166, Start Num: 4
Candidate Starts for Gudmit_60:
(Start: 4 @36750 has 1 MA's), (11, 36819), (15, 36891), (16, 36936), (19, 37104), (20, 37134), (21, 37146),

Gene: MortyNRick_82 Start: 48398, Stop: 48784, Start Num: 4
Candidate Starts for MortyNRick_82:
(Start: 4 @48398 has 1 MA's), (6, 48428), (14, 48527), (15, 48539), (16, 48584), (18, 48635),

Gene: ODay_97 Start: 51969, Stop: 52340, Start Num: 5
Candidate Starts for ODay_97:
(1, 51084), (3, 51798), (Start: 5 @51969 has 2 MA's), (7, 51990), (8, 51996), (9, 51999), (10, 52008), (14, 52077), (16, 52134),

Gene: Whitney_88 Start: 50901, Stop: 51272, Start Num: 5
Candidate Starts for Whitney_88:
(2, 50712), (3, 50730), (Start: 5 @50901 has 2 MA's), (7, 50922), (8, 50928), (9, 50931), (10, 50940), (12, 50973), (13, 50988), (14, 51009), (16, 51066),