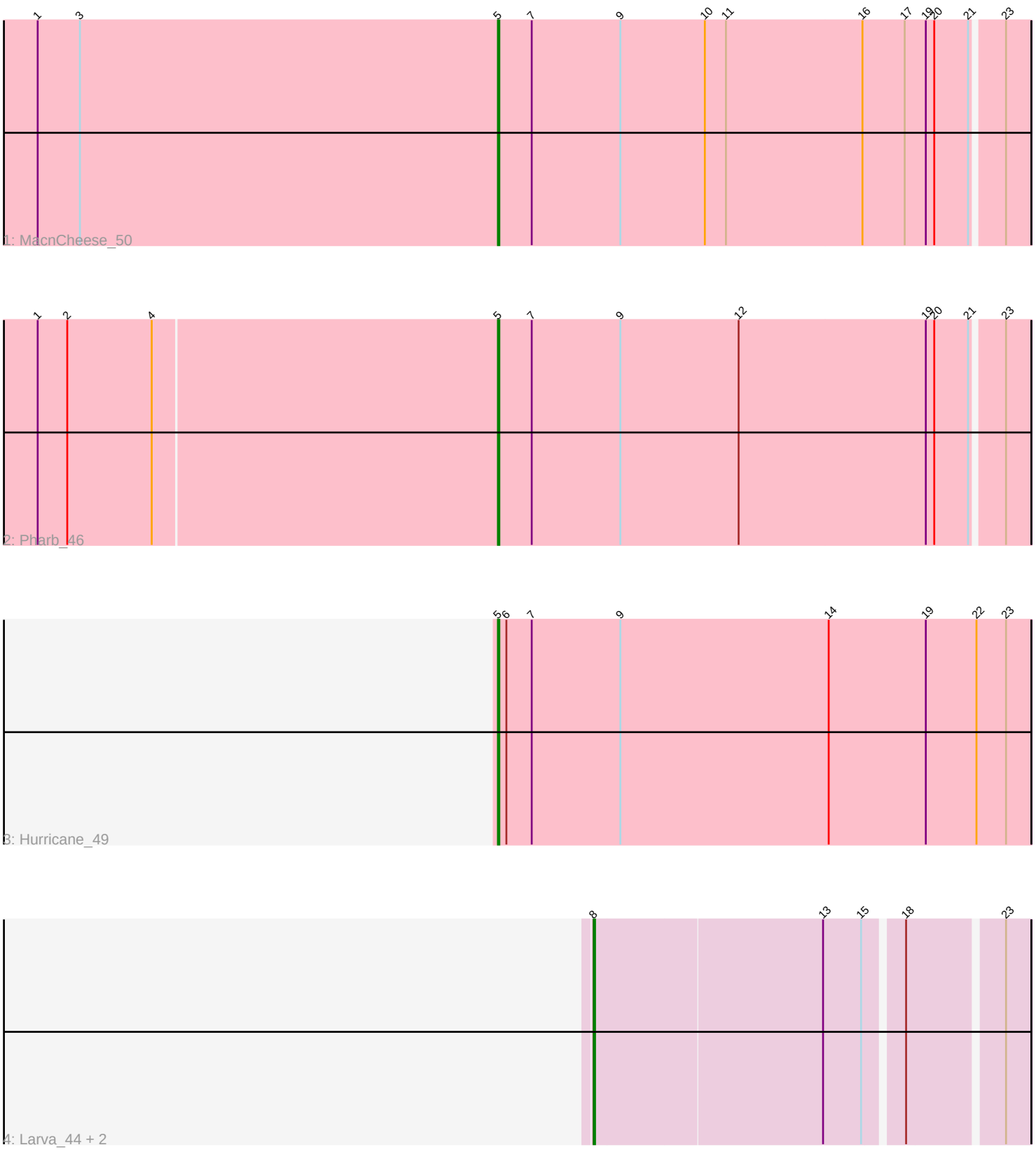
Pham 162504


1
3
5
7
9
10
11
16
17
19
20
21
23
1: MacnCheese_50
1
2
4
5
7
9
12
19
20
21
23
2: Pharb_46
5
6
7
9
14
19
22
23
3: Hurricane_49
8
13
15
18
23
4: Larva_44 + 2

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 162504 Report

This analysis was run 05/04/24 on database version 560.

Pham number 162504 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : MacnCheese_50
• Track 2 : Pharb_46
• Track 3 : Hurricane_49
• Track 4 : Larva_44, Dadosky_44, AlleyCat_44

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

The start number called the most often in the published annotations is 8, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AlleyCat_44, Dadosky_44, Larva_44,

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

Genes that do not have the "Most Annotated" start:
• Hurricane_49, MacnCheese_50, Pharb_46,

Summary by start number:

Start 5:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hurricane_49 (K3), MacnCheese_50 (K3), Pharb_46 (K3),

Start 8:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AlleyCat_44 (K5), Dadosky_44 (K5), Larva_44 (K5),

Summary by clusters:

There are 2 clusters represented in this pham: K3, K5,

Info for manual annotations of cluster K3:
•Start number 5 was manually annotated 3 times for cluster K3.

Info for manual annotations of cluster K5:
•Start number 8 was manually annotated 3 times for cluster K5.

Gene Information:

Gene: AlleyCat_44 Start: 34871, Stop: 35161, Start Num: 8
Candidate Starts for AlleyCat_44:
(Start: 8 @34871 has 3 MA's), (13, 35030), (15, 35057), (18, 35081), (23, 35144),

Gene: Dadosky_44 Start: 34873, Stop: 35163, Start Num: 8
Candidate Starts for Dadosky_44:
(Start: 8 @34873 has 3 MA's), (13, 35032), (15, 35059), (18, 35083), (23, 35146),

Gene: Hurricane_49 Start: 36312, Stop: 36689, Start Num: 5
Candidate Starts for Hurricane_49:
(Start: 5 @36312 has 3 MA's), (6, 36318), (7, 36336), (9, 36399), (14, 36546), (19, 36615), (22, 36651), (23, 36672),

Gene: Larva_44 Start: 34740, Stop: 35030, Start Num: 8
Candidate Starts for Larva_44:
(Start: 8 @34740 has 3 MA's), (13, 34899), (15, 34926), (18, 34950), (23, 35013),

Gene: MacnCheese_50 Start: 37267, Stop: 37638, Start Num: 5
Candidate Starts for MacnCheese_50:
(1, 36940), (3, 36970), (Start: 5 @37267 has 3 MA's), (7, 37291), (9, 37354), (10, 37414), (11, 37429), (16, 37525), (17, 37555), (19, 37570), (20, 37576), (21, 37600), (23, 37621),

Gene: Pharb_46 Start: 35070, Stop: 35441, Start Num: 5
Candidate Starts for Pharb_46:
(1, 34746), (2, 34767), (4, 34827), (Start: 5 @35070 has 3 MA's), (7, 35094), (9, 35157), (12, 35241), (19, 35373), (20, 35379), (21, 35403), (23, 35424),