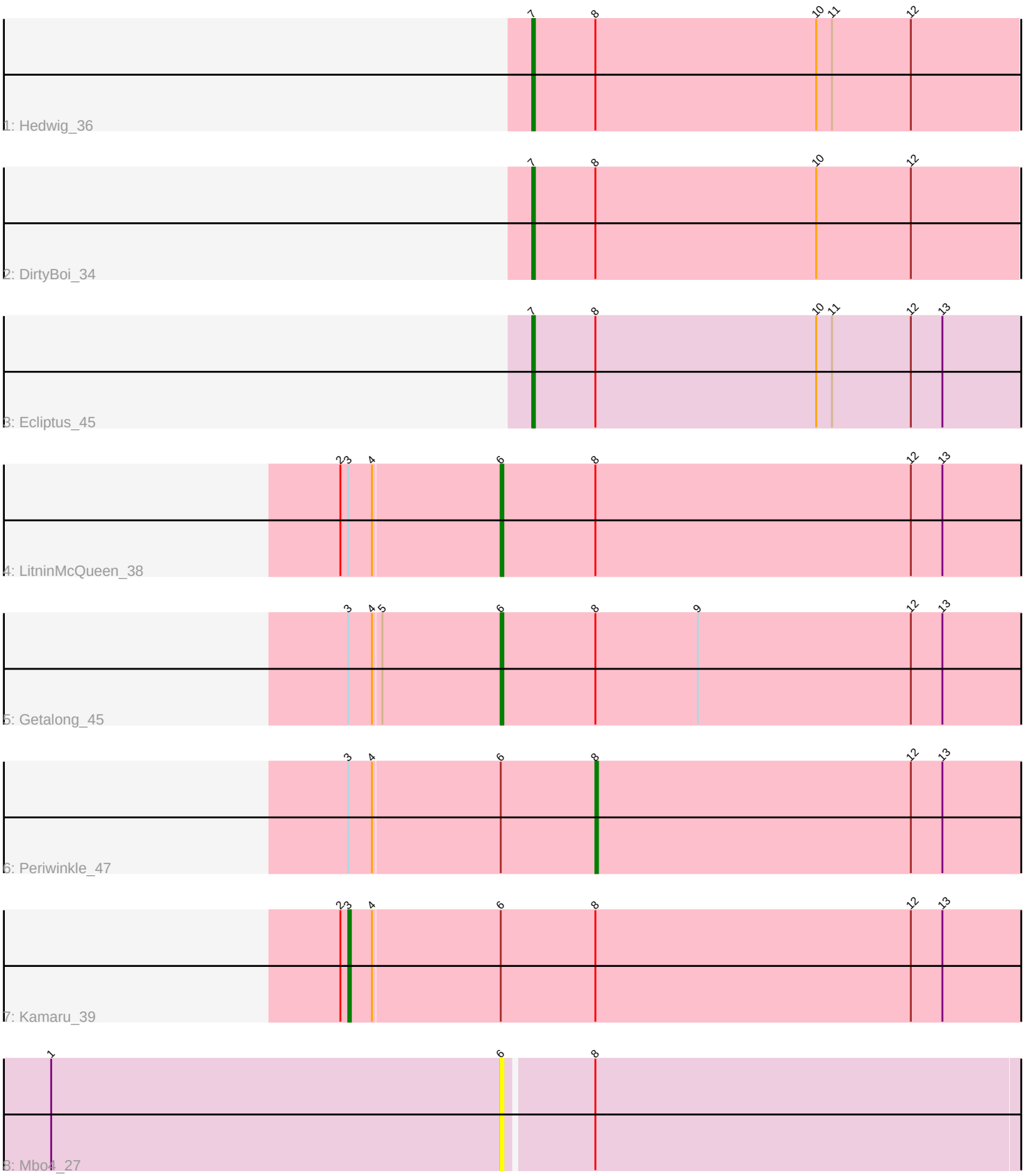
Pham 194603


7
8
10
11
12
1: Hedwig_36
7
8
10
12
2: DirtyBoi_34
7
8
10
11
12
13
3: Ecliptus_45
2
3
4
6
8
12
13
4: LitninMcQueen_38
3
4
5
6
8
9
12
13
5: Getalong_45
3
4
6
8
12
13
6: Periwinkle_47
2
3
4
6
8
12
13
7: Kamaru_39
1
6
8
8: Mboi_27

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 194603 Report

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

Pham number 194603 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hedwig_36
• Track 2 : DirtyBoi_34
• Track 3 : Ecliptus_45
• Track 4 : LitninMcQueen_38
• Track 5 : Getalong_45
• Track 6 : Periwinkle_47
• Track 7 : Kamaru_39
• Track 8 : Mbo4_27

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

The start number called the most often in the published annotations is 7, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DirtyBoi_34, Ecliptus_45, Hedwig_36,

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

Genes that do not have the "Most Annotated" start:
• Getalong_45, Kamaru_39, LitninMcQueen_38, Mbo4_27, Periwinkle_47,

Summary by start number:

Start 3:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Kamaru_39 (DN1),

Start 6:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 2 of 7

• Called 60.0% of time when present
• Phage (with cluster) where this start called: Getalong_45 (DN1), LitninMcQueen_38 (DN1), Mbo4_27 (singleton),

Start 7:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DirtyBoi_34 (DB), Ecliptus_45 (DN), Hedwig_36 (DB),

Start 8:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Periwinkle_47 (DN1),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DN1, singleton, DB,

Info for manual annotations of cluster DB:
•Start number 7 was manually annotated 2 times for cluster DB.

Info for manual annotations of cluster DN:
•Start number 7 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 3 was manually annotated 1 time for cluster DN1.
•Start number 6 was manually annotated 2 times for cluster DN1.
•Start number 8 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: DirtyBoi_34 Start: 28640, Stop: 28837, Start Num: 7
Candidate Starts for DirtyBoi_34:
(Start: 7 @28640 has 3 MA's), (Start: 8 @28664 has 1 MA's), (10, 28748), (12, 28784),

Gene: Ecliptus_45 Start: 32219, Stop: 32419, Start Num: 7
Candidate Starts for Ecliptus_45:
(Start: 7 @32219 has 3 MA's), (Start: 8 @32243 has 1 MA's), (10, 32327), (11, 32333), (12, 32363), (13, 32375),

Gene: Getalong_45 Start: 32518, Stop: 32730, Start Num: 6
Candidate Starts for Getalong_45:
(Start: 3 @32461 has 1 MA's), (4, 32470), (5, 32473), (Start: 6 @32518 has 2 MA's), (Start: 8 @32554 has 1 MA's), (9, 32593), (12, 32674), (13, 32686),

Gene: Hedwig_36 Start: 29107, Stop: 29304, Start Num: 7
Candidate Starts for Hedwig_36:
(Start: 7 @29107 has 3 MA's), (Start: 8 @29131 has 1 MA's), (10, 29215), (11, 29221), (12, 29251),

Gene: Kamaru_39 Start: 29394, Stop: 29663, Start Num: 3
Candidate Starts for Kamaru_39:
(2, 29391), (Start: 3 @29394 has 1 MA's), (4, 29403), (Start: 6 @29451 has 2 MA's), (Start: 8 @29487 has 1 MA's), (12, 29607), (13, 29619),

Gene: LitninMcQueen_38 Start: 29200, Stop: 29412, Start Num: 6
Candidate Starts for LitninMcQueen_38:
(2, 29140), (Start: 3 @29143 has 1 MA's), (4, 29152), (Start: 6 @29200 has 2 MA's), (Start: 8 @29236 has 1 MA's), (12, 29356), (13, 29368),

Gene: Mbo4_27 Start: 26962, Stop: 27171, Start Num: 6
Candidate Starts for Mbo4_27:
(1, 26791), (Start: 6 @26962 has 2 MA's), (Start: 8 @26995 has 1 MA's),

Gene: Periwinkle_47 Start: 32200, Stop: 32376, Start Num: 8
Candidate Starts for Periwinkle_47:
(Start: 3 @32107 has 1 MA's), (4, 32116), (Start: 6 @32164 has 2 MA's), (Start: 8 @32200 has 1 MA's), (12, 32320), (13, 32332),