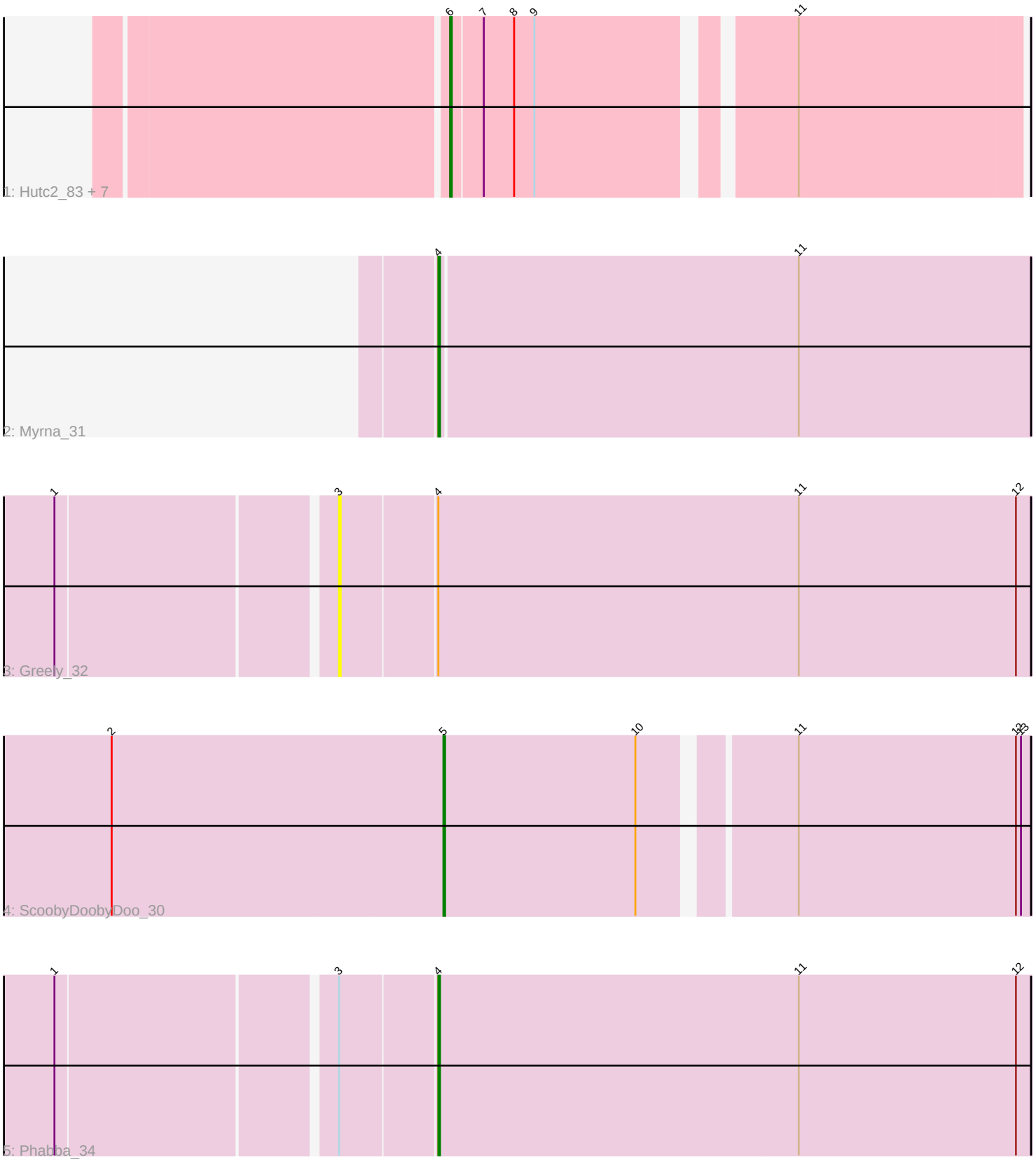
Pham 106811


6
7
8
9
11
1: Hutc2_83 + 7
4
11
2: Myrna_31
1
3
4
11
12
3: Greely_32
2
5
10
11
12
13
4: ScoobyDoobyDoo_30
1
3
4
11
12
5: Phabba_34

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 106811 Report

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

Pham number 106811 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Hutc2_83, Insomnia_85, Salz_82, Et2Brutus_86, Fibonacci_86, Jabith_86, Mulciber_85, Sham4_83
• Track 2 : Myrna_31
• Track 3 : Greely_32
• Track 4 : ScoobyDoobyDoo_30
• Track 5 : Phabba_34

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Et2Brutus_86, Fibonacci_86, Hutc2_83, Insomnia_85, Jabith_86, Mulciber_85, Salz_82, Sham4_83,

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

Genes that do not have the "Most Annotated" start:
• Greely_32, Myrna_31, Phabba_34, ScoobyDoobyDoo_30,

Summary by start number:

Start 3:
• Found in 2 of 12 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Greely_32 (C2),

Start 4:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 66.7% of time when present

• Phage (with cluster) where this start called: Myrna_31 (C2), Phabba_34 (C2),

Start 5:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ScoobyDoobyDoo_30 (C2),

Start 6:
• Found in 8 of 12 (66.7%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Et2Brutus_86 (A11), Fibonacci_86 (A11), Hutc2_83 (A11), Insomnia_85 (A11), Jabith_86 (A11), Mulciber_85 (A11), Salz_82 (A11), Sham4_83 (A11),

Summary by clusters:

There are 2 clusters represented in this pham: C2, A11,

Info for manual annotations of cluster A11:
•Start number 6 was manually annotated 7 times for cluster A11.

Info for manual annotations of cluster C2:
•Start number 4 was manually annotated 2 times for cluster C2.
•Start number 5 was manually annotated 1 time for cluster C2.

Gene Information:

Gene: Et2Brutus_86 Start: 47658, Stop: 47344, Start Num: 6
Candidate Starts for Et2Brutus_86:
(Start: 6 @47658 has 7 MA's), (7, 47640), (8, 47622), (9, 47610), (11, 47475),

Gene: Fibonacci_86 Start: 47664, Stop: 47350, Start Num: 6
Candidate Starts for Fibonacci_86:
(Start: 6 @47664 has 7 MA's), (7, 47646), (8, 47628), (9, 47616), (11, 47481),

Gene: Greely_32 Start: 13171, Stop: 13575, Start Num: 3
Candidate Starts for Greely_32:
(1, 13015), (3, 13171), (Start: 4 @13225 has 2 MA's), (11, 13438), (12, 13567),

Gene: Hutc2_83 Start: 46548, Stop: 46234, Start Num: 6
Candidate Starts for Hutc2_83:
(Start: 6 @46548 has 7 MA's), (7, 46530), (8, 46512), (9, 46500), (11, 46365),

Gene: Insomnia_85 Start: 47842, Stop: 47528, Start Num: 6
Candidate Starts for Insomnia_85:
(Start: 6 @47842 has 7 MA's), (7, 47824), (8, 47806), (9, 47794), (11, 47659),

Gene: Jabith_86 Start: 47856, Stop: 47542, Start Num: 6
Candidate Starts for Jabith_86:

(Start: 6 @47856 has 7 MA's), (7, 47838), (8, 47820), (9, 47808), (11, 47673),

Gene: Mulciber_85 Start: 47661, Stop: 47347, Start Num: 6
Candidate Starts for Mulciber_85:
(Start: 6 @47661 has 7 MA's), (7, 47643), (8, 47625), (9, 47613), (11, 47478),

Gene: Myrna_31 Start: 13765, Stop: 14112, Start Num: 4
Candidate Starts for Myrna_31:
(Start: 4 @13765 has 2 MA's), (11, 13975),

Gene: Phabba_34 Start: 13407, Stop: 13757, Start Num: 4
Candidate Starts for Phabba_34:
(1, 13197), (3, 13353), (Start: 4 @13407 has 2 MA's), (11, 13620), (12, 13749),

Gene: Salz_82 Start: 46470, Stop: 46156, Start Num: 6
Candidate Starts for Salz_82:
(Start: 6 @46470 has 7 MA's), (7, 46452), (8, 46434), (9, 46422), (11, 46287),

Gene: ScoobyDoobyDoo_30 Start: 11501, Stop: 11833, Start Num: 5
Candidate Starts for ScoobyDoobyDoo_30:
(2, 11306), (Start: 5 @11501 has 1 MA's), (10, 11615), (11, 11696), (12, 11825), (13, 11828),

Gene: Sham4_83 Start: 46556, Stop: 46242, Start Num: 6
Candidate Starts for Sham4_83:
(Start: 6 @46556 has 7 MA's), (7, 46538), (8, 46520), (9, 46508), (11, 46373),