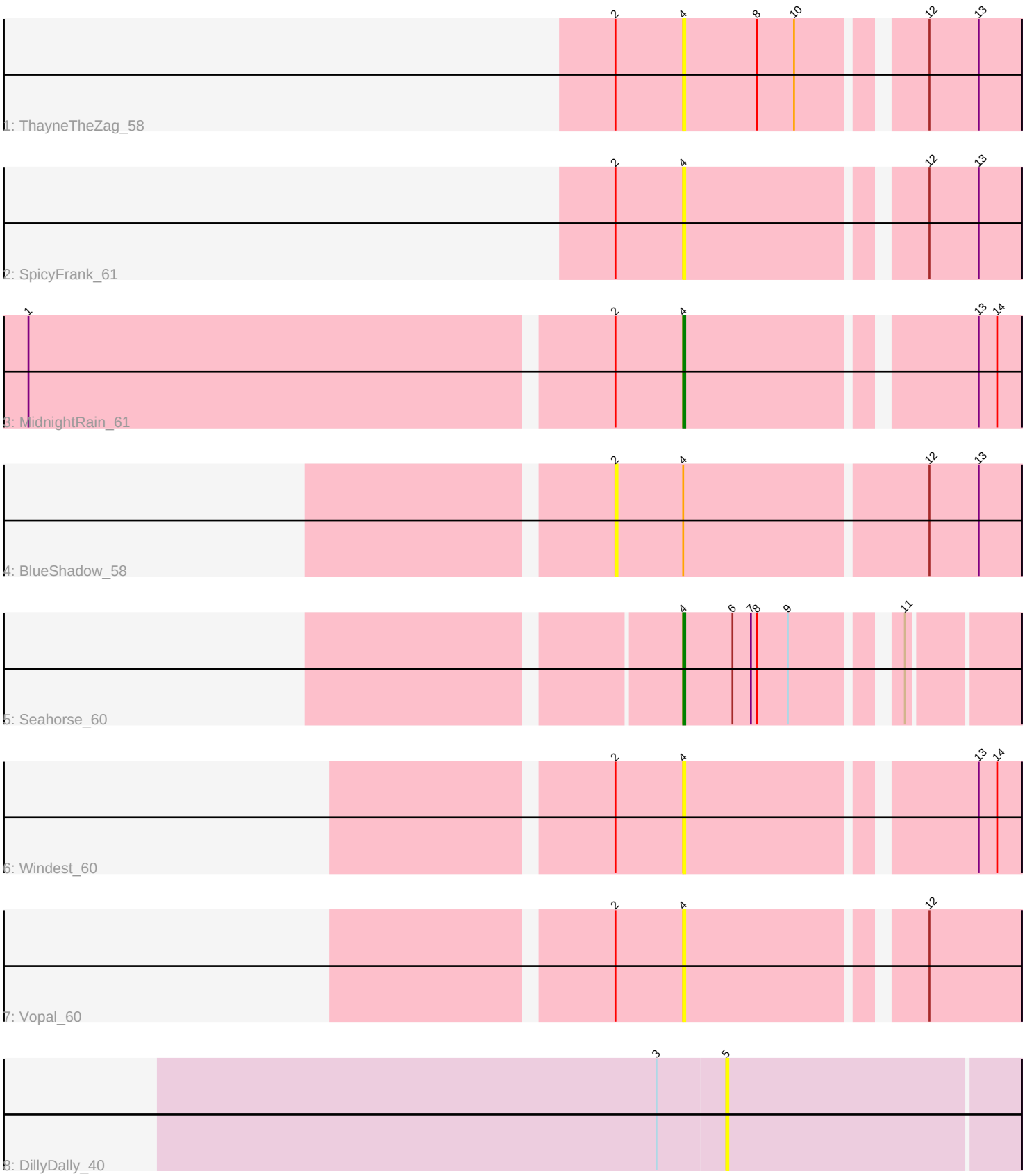
Pham 203603


2
4
8
10
12
13
1: ThayneTheZag_58
2
4
12
13
2: SpicyFrank_61
1
2
4
13
14
3: MidnightRain_61
2
4
12
13
4: BlueShadow_58
4
6
7
8
9
11
5: Seahorse_60
2
4
13
14
6: Windest_60
2
4
12
7: Vopal_60
3
5
8: DillyDally_40

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 203603 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203603 has 8 members, 6 are drafts.

Phages represented in each track:
• Track 1 : ThayneTheZag_58
• Track 2 : SpicyFrank_61
• Track 3 : MidnightRain_61
• Track 4 : BlueShadow_58
• Track 5 : Seahorse_60
• Track 6 : Windest_60
• Track 7 : Vopal_60
• Track 8 : DillyDally_40

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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• MidnightRain_61, Seahorse_60, SpicyFrank_61, ThayneTheZag_58, Vopal_60, Windest_60,

Genes that have the "Most Annotated" start but do not call it:
• BlueShadow_58,

Genes that do not have the "Most Annotated" start:
• DillyDally_40,

Summary by start number:

Start 2:
• Found in 6 of 8 (75.0%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: BlueShadow_58 (AY),

Start 4:
• Found in 7 of 8 (87.5%) of genes in pham

• Manual Annotations of this start: 2 of 2
• Called 85.7% of time when present
• Phage (with cluster) where this start called: MidnightRain_61 (AY), Seahorse_60 (AY), SpicyFrank_61 (AY), ThayneTheZag_58 (AY), Vopal_60 (AY), Windest_60 (AY),

Start 5:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DillyDally_40 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: AY, singleton,

Info for manual annotations of cluster AY:
•Start number 4 was manually annotated 2 times for cluster AY.

Gene Information:

Gene: BlueShadow_58 Start: 33823, Stop: 34014, Start Num: 2
Candidate Starts for BlueShadow_58:
(2, 33823), (Start: 4 @33856 has 2 MA's), (12, 33970), (13, 33994),

Gene: DillyDally_40 Start: 27254, Stop: 27394, Start Num: 5
Candidate Starts for DillyDally_40:
(3, 27221), (5, 27254),

Gene: MidnightRain_61 Start: 34972, Stop: 35121, Start Num: 4
Candidate Starts for MidnightRain_61:
(1, 34663), (2, 34939), (Start: 4 @34972 has 2 MA's), (13, 35101), (14, 35110),

Gene: Seahorse_60 Start: 35386, Stop: 35529, Start Num: 4
Candidate Starts for Seahorse_60:
(Start: 4 @35386 has 2 MA's), (6, 35410), (7, 35419), (8, 35422), (9, 35437), (11, 35479),

Gene: SpicyFrank_61 Start: 34658, Stop: 34807, Start Num: 4
Candidate Starts for SpicyFrank_61:
(2, 34625), (Start: 4 @34658 has 2 MA's), (12, 34763), (13, 34787),

Gene: ThayneTheZag_58 Start: 33227, Stop: 33376, Start Num: 4
Candidate Starts for ThayneTheZag_58:
(2, 33194), (Start: 4 @33227 has 2 MA's), (8, 33263), (10, 33281), (12, 33332), (13, 33356),

Gene: Vopal_60 Start: 36689, Stop: 36838, Start Num: 4
Candidate Starts for Vopal_60:
(2, 36656), (Start: 4 @36689 has 2 MA's), (12, 36794),

Gene: Windest_60 Start: 32459, Stop: 32608, Start Num: 4
Candidate Starts for Windest_60:

(2, 32426), (Start: 4 @32459 has 2 MA's), (13, 32588), (14, 32597),