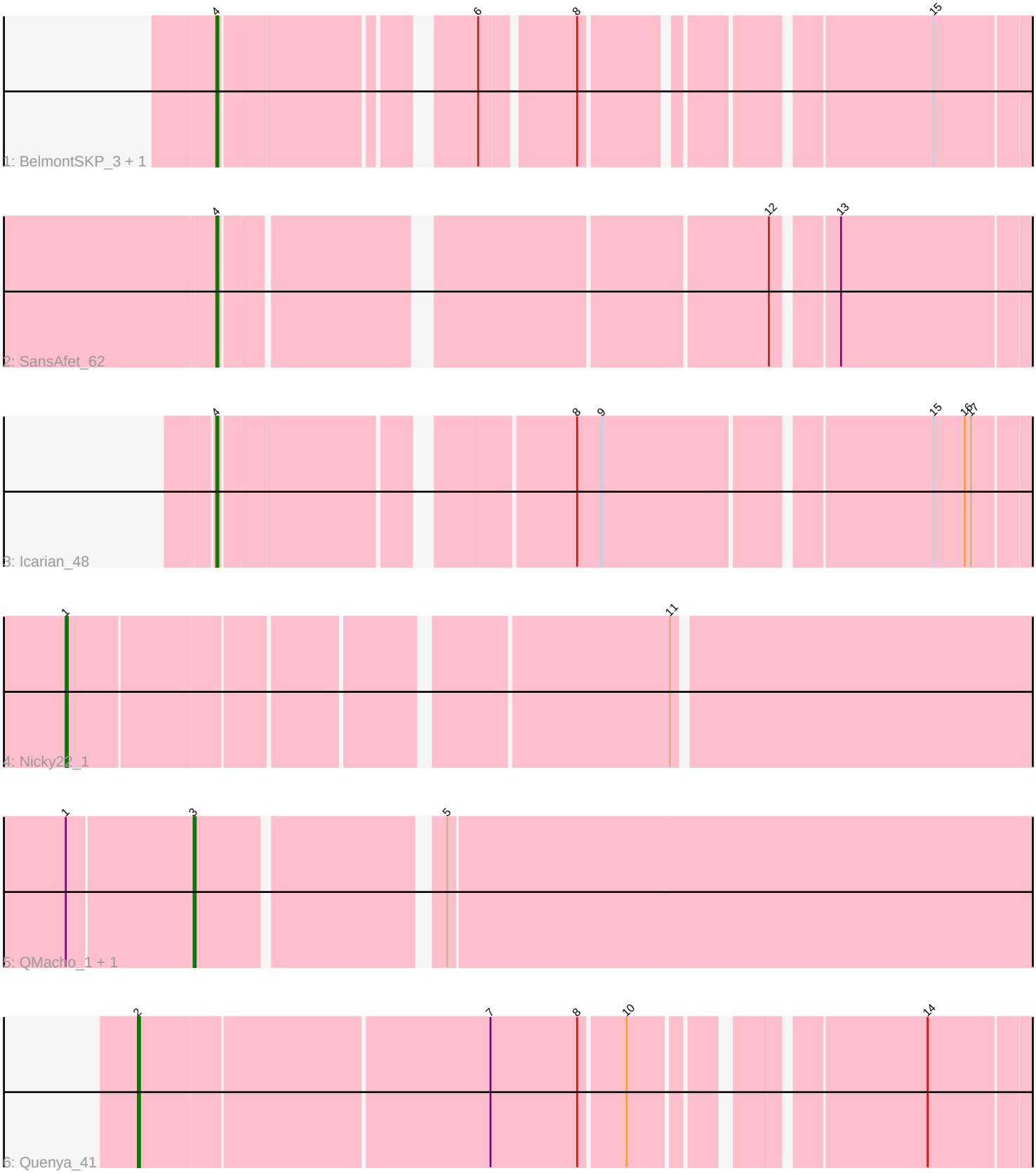
Pham 203609


4
6
8
15
1: BelmontSKP_3 + 1
4
12
13
2: SansAfet_62
4
8
9
15
16
17
3: Icarian_48
1
11
4: Nicky22_1
1
3
5
5: QMacho_1 + 1
2
7
8
10
14
6: Quenya_41

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 203609 Report

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

Pham number 203609 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BelmontSKP_3, AnnaLie_3
• Track 2 : SansAfet_62
• Track 3 : Icarian_48
• Track 4 : Nicky22_1
• Track 5 : QMacho_1, Arroyo_1
• Track 6 : Quenya_41

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 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnnaLie_3, BelmontSKP_3, Icarian_48, SansAfet_62,

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

Genes that do not have the "Most Annotated" start:
• Arroyo_1, Nicky22_1, QMacho_1, Quenya_41,

Summary by start number:

Start 1:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Nicky22_1 (EB),

Start 2:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Quenya_41 (EB),

Start 3:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arroyo_1 (EB), QMacho_1 (EB),

Start 4:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnnaLie_3 (EB), BelmontSKP_3 (EB), Icarian_48 (EB), SansAfet_62 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 1 was manually annotated 1 time for cluster EB.
•Start number 2 was manually annotated 1 time for cluster EB.
•Start number 3 was manually annotated 2 times for cluster EB.
•Start number 4 was manually annotated 4 times for cluster EB.

Gene Information:

Gene: AnnaLie_3 Start: 681, Stop: 1031, Start Num: 4
Candidate Starts for AnnaLie_3:
(Start: 4 @681 has 4 MA's), (6, 786), (8, 828), (15, 978),

Gene: Arroyo_1 Start: 128, Stop: 592, Start Num: 3
Candidate Starts for Arroyo_1:
(Start: 1 @68 has 1 MA's), (Start: 3 @128 has 2 MA's), (5, 236),

Gene: BelmontSKP_3 Start: 681, Stop: 1031, Start Num: 4
Candidate Starts for BelmontSKP_3:
(Start: 4 @681 has 4 MA's), (6, 786), (8, 828), (15, 978),

Gene: Icarian_48 Start: 33307, Stop: 33684, Start Num: 4
Candidate Starts for Icarian_48:
(Start: 4 @33307 has 4 MA's), (8, 33460), (9, 33472), (15, 33622), (16, 33637), (17, 33640),

Gene: Nicky22_1 Start: 68, Stop: 616, Start Num: 1
Candidate Starts for Nicky22_1:
(Start: 1 @68 has 1 MA's), (11, 338),

Gene: QMacho_1 Start: 128, Stop: 592, Start Num: 3
Candidate Starts for QMacho_1:
(Start: 1 @68 has 1 MA's), (Start: 3 @128 has 2 MA's), (5, 236),

Gene: Quenya_41 Start: 29700, Stop: 30113, Start Num: 2

Candidate Starts for Quenya_41:
(Start: 2 @29700 has 1 MA's), (7, 29865), (8, 29907), (10, 29928), (14, 30051),

Gene: SansAfet_62 Start: 38774, Stop: 39154, Start Num: 4
Candidate Starts for SansAfet_62:
(Start: 4 @38774 has 4 MA's), (12, 39017), (13, 39044),