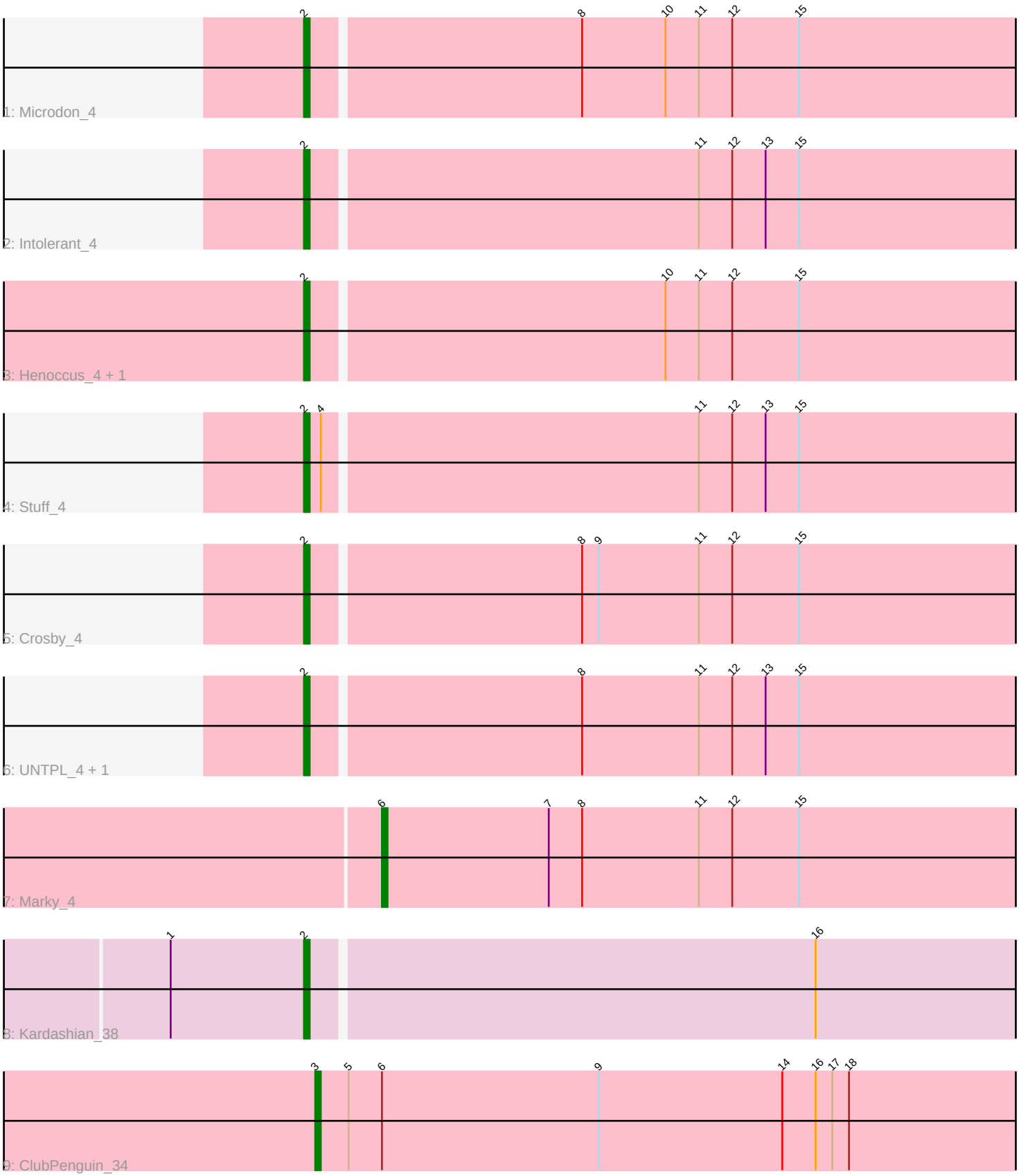
Pham 5757


2
8
10
11
12
15
1: Microdon_4
2
11
12
13
15
2: Intolerant_4
2
10
11
12
15
3: Henoccus_4 + 1
2
4
11
12
13
15
4: Stuff_4
2
8
9
11
12
15
5: Crosby_4
2
8
11
12
13
15
6: UNTPL_4 + 1
6
7
8
11
12
15
7: Marky_4
1
2
16
8: Kardashian_38
3
5
6
9
14
16
17
18
9: ClubPenguin_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 5757 Report

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

Pham number 5757 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Microdon_4
• Track 2 : Intolerant_4
• Track 3 : Henoccus_4, Araceli_4
• Track 4 : Stuff_4
• Track 5 : Crosby_4
• Track 6 : UNTPL_4, Bogota_4
• Track 7 : Marky_4
• Track 8 : Kardashian_38
• Track 9 : ClubPenguin_34

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

The start number called the most often in the published annotations is 2, it was called in 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Araceli_4, Bogota_4, Crosby_4, Henoccus_4, Intolerant_4, Kardashian_38, Microdon_4, Stuff_4, UNTPL_4,

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

Genes that do not have the "Most Annotated" start:
• ClubPenguin_34, Marky_4,

Summary by start number:

Start 2:
• Found in 9 of 11 (81.8%) of genes in pham
• Manual Annotations of this start: 9 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Araceli_4 (BH), Bogota_4 (BH), Crosby_4 (BH), Henoccus_4 (BH), Intolerant_4 (BH), Kardashian_38 (BI6), Microdon_4 (BH), Stuff_4 (BH), UNTPL_4 (BH),

Start 3:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ClubPenguin_34 (BI7),

Start 6:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Marky_4 (BH),

Summary by clusters:

There are 3 clusters represented in this pham: BI6, BI7, BH,

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

Info for manual annotations of cluster BI6:
•Start number 2 was manually annotated 1 time for cluster BI6.

Info for manual annotations of cluster BI7:
•Start number 3 was manually annotated 1 time for cluster BI7.

Gene Information:

Gene: Araceli_4 Start: 611, Stop: 736, Start Num: 2
Candidate Starts for Araceli_4:
(Start: 2 @611 has 9 MA's), (10, 674), (11, 680), (12, 686), (15, 698),

Gene: Bogota_4 Start: 600, Stop: 725, Start Num: 2
Candidate Starts for Bogota_4:
(Start: 2 @600 has 9 MA's), (8, 648), (11, 669), (12, 675), (13, 681), (15, 687),

Gene: ClubPenguin_34 Start: 26946, Stop: 27071, Start Num: 3
Candidate Starts for ClubPenguin_34:
(Start: 3 @26946 has 1 MA's), (5, 26952), (Start: 6 @26958 has 1 MA's), (9, 26997), (14, 27030), (16, 27036), (17, 27039), (18, 27042),

Gene: Crosby_4 Start: 594, Stop: 719, Start Num: 2
Candidate Starts for Crosby_4:
(Start: 2 @594 has 9 MA's), (8, 642), (9, 645), (11, 663), (12, 669), (15, 681),

Gene: Henoccus_4 Start: 611, Stop: 736, Start Num: 2
Candidate Starts for Henoccus_4:
(Start: 2 @611 has 9 MA's), (10, 674), (11, 680), (12, 686), (15, 698),

Gene: Intolerant_4 Start: 594, Stop: 719, Start Num: 2

Candidate Starts for Intolerant_4:
(Start: 2 @594 has 9 MA's), (11, 663), (12, 669), (13, 675), (15, 681),

Gene: Kardashian_38 Start: 28756, Stop: 28881, Start Num: 2
Candidate Starts for Kardashian_38:
(1, 28732), (Start: 2 @28756 has 9 MA's), (16, 28846),

Gene: Marky_4 Start: 558, Stop: 674, Start Num: 6
Candidate Starts for Marky_4:
(Start: 6 @558 has 1 MA's), (7, 588), (8, 594), (11, 615), (12, 621), (15, 633),

Gene: Microdon_4 Start: 603, Stop: 728, Start Num: 2
Candidate Starts for Microdon_4:
(Start: 2 @603 has 9 MA's), (8, 651), (10, 666), (11, 672), (12, 678), (15, 690),

Gene: Stuff_4 Start: 597, Stop: 722, Start Num: 2
Candidate Starts for Stuff_4:
(Start: 2 @597 has 9 MA's), (4, 600), (11, 666), (12, 672), (13, 678), (15, 684),

Gene: UNTPL_4 Start: 600, Stop: 725, Start Num: 2
Candidate Starts for UNTPL_4:
(Start: 2 @600 has 9 MA's), (8, 648), (11, 669), (12, 675), (13, 681), (15, 687),