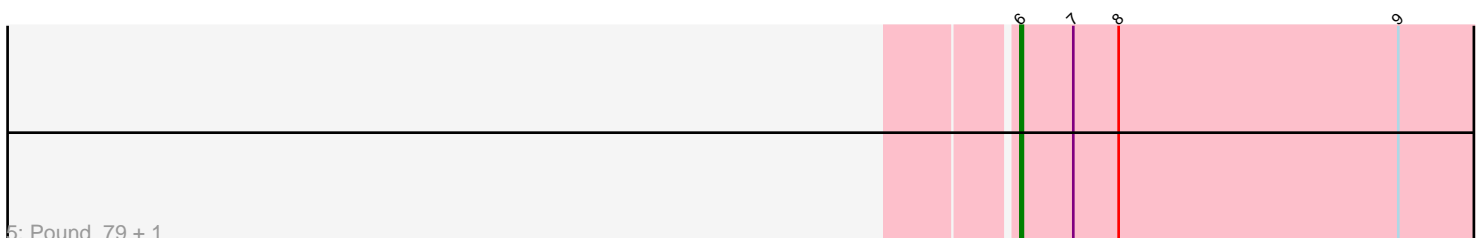
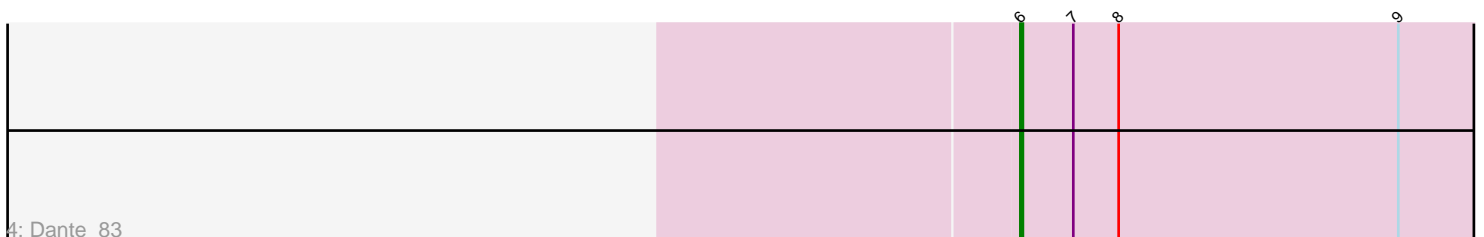
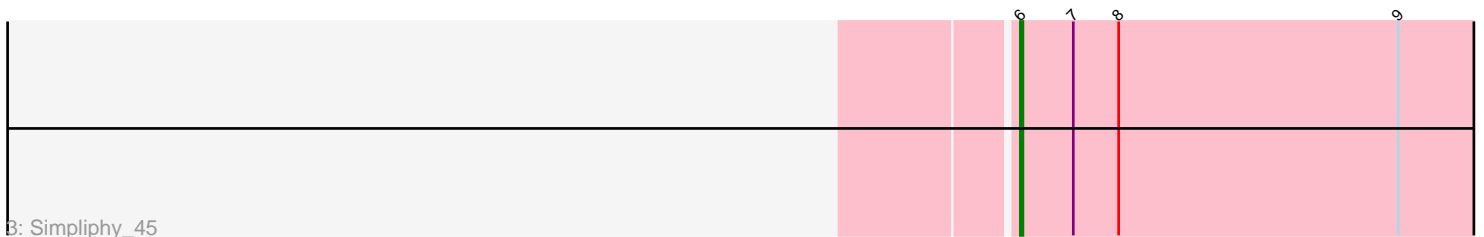
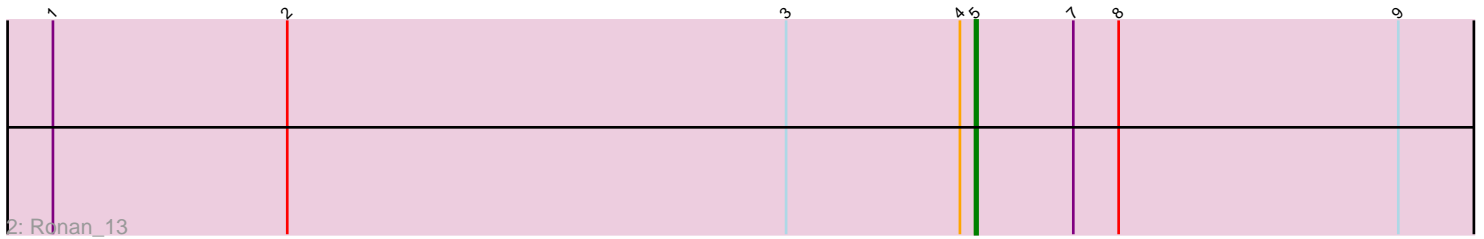
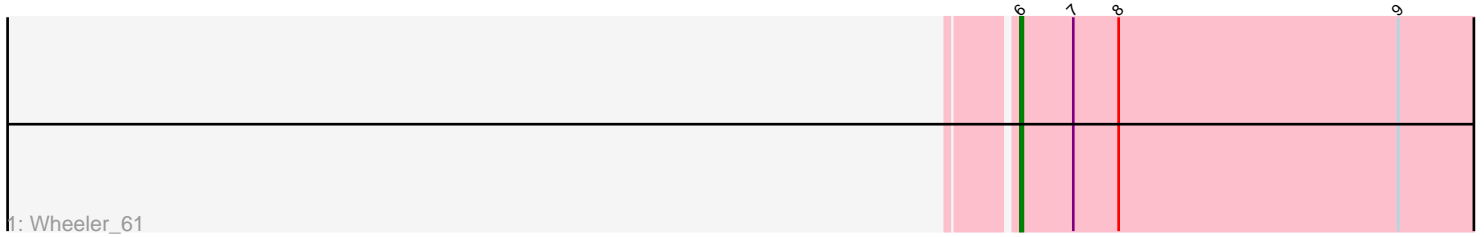


Pham 156938



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 156938 Report

This analysis was run 04/12/24 on database version 558.

Pham number 156938 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Wheeler_61
- Track 2 : Ronan_13
- Track 3 : Simpliphy_45
- Track 4 : Dante_83
- Track 5 : Pound_79, Minerva_81
- Track 6 : Duke13_82

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 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dante_83, Minerva_81, Pound_79, Simpliphy_45, Wheeler_61,

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

- Duke13_82,

Genes that do not have the "Most Annotated" start:

- Ronan_13,

Summary by start number:

Start 5:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ronan_13 (C1),

Start 6:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 83.3% of time when present

- Phage (with cluster) where this start called: Dante_83 (F1), Minerva_81 (J), Pound_79 (J), Simpliphy_45 (E), Wheeler_61 (A1),

Start 8:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Duke13_82 (J),

Summary by clusters:

There are 5 clusters represented in this pham: A1, F1, C1, J, E,

Info for manual annotations of cluster A1:

- Start number 6 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster C1:

- Start number 5 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster E:

- Start number 6 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster F1:

- Start number 6 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster J:

- Start number 6 was manually annotated 2 times for cluster J.
- Start number 8 was manually annotated 1 time for cluster J.

Gene Information:

Gene: Dante_83 Start: 51508, Stop: 51690, Start Num: 6

Candidate Starts for Dante_83:

(Start: 6 @51508 has 5 MA's), (7, 51529), (Start: 8 @51547 has 1 MA's), (9, 51658),

Gene: Duke13_82 Start: 52116, Stop: 51973, Start Num: 8

Candidate Starts for Duke13_82:

(Start: 6 @52155 has 5 MA's), (7, 52134), (Start: 8 @52116 has 1 MA's), (9, 52005),

Gene: Minerva_81 Start: 52587, Stop: 52405, Start Num: 6

Candidate Starts for Minerva_81:

(Start: 6 @52587 has 5 MA's), (7, 52566), (Start: 8 @52548 has 1 MA's), (9, 52437),

Gene: Pound_79 Start: 53859, Stop: 53677, Start Num: 6

Candidate Starts for Pound_79:

(Start: 6 @53859 has 5 MA's), (7, 53838), (Start: 8 @53820 has 1 MA's), (9, 53709),

Gene: Ronan_13 Start: 4087, Stop: 4287, Start Num: 5

Candidate Starts for Ronan_13:

(1, 3721), (2, 3814), (3, 4012), (4, 4081), (Start: 5 @4087 has 1 MA's), (7, 4126), (Start: 8 @4144 has 1 MA's), (9, 4255),

Gene: Simpliphy_45 Start: 35573, Stop: 35391, Start Num: 6

Candidate Starts for Simpliphy_45:

(Start: 6 @35573 has 5 MA's), (7, 35552), (Start: 8 @35534 has 1 MA's), (9, 35423),

Gene: Wheeler_61 Start: 40349, Stop: 40167, Start Num: 6

Candidate Starts for Wheeler_61:

(Start: 6 @40349 has 5 MA's), (7, 40328), (Start: 8 @40310 has 1 MA's), (9, 40199),