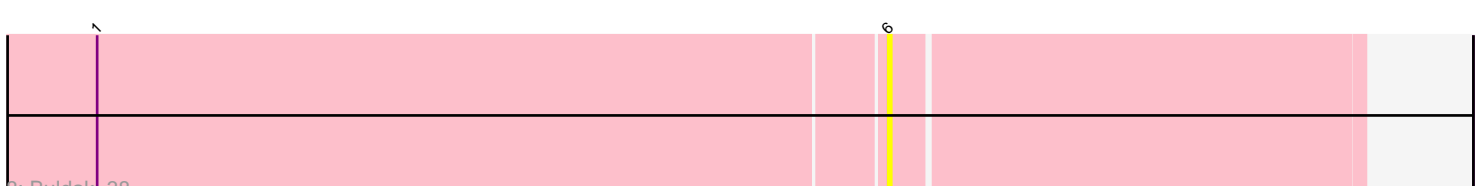
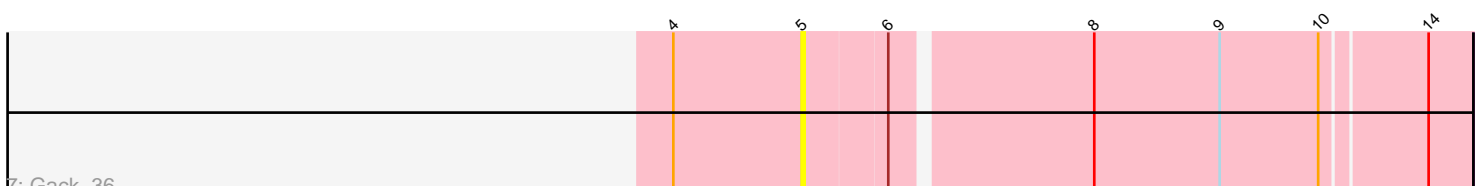
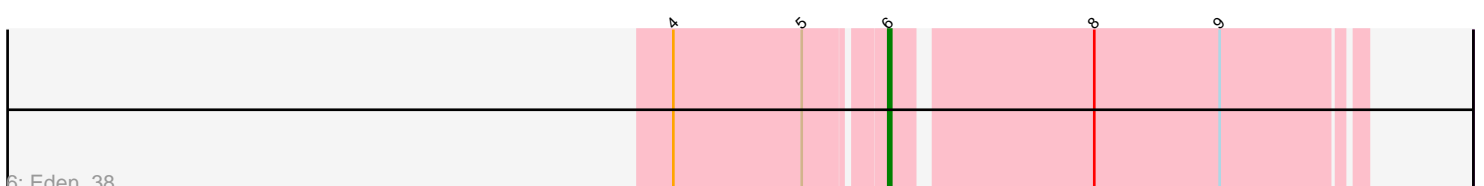
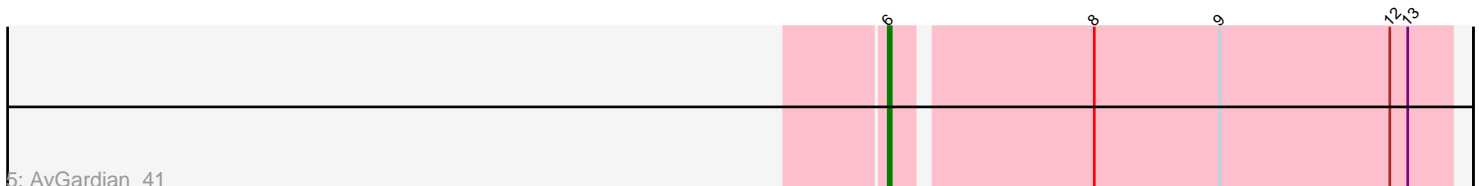
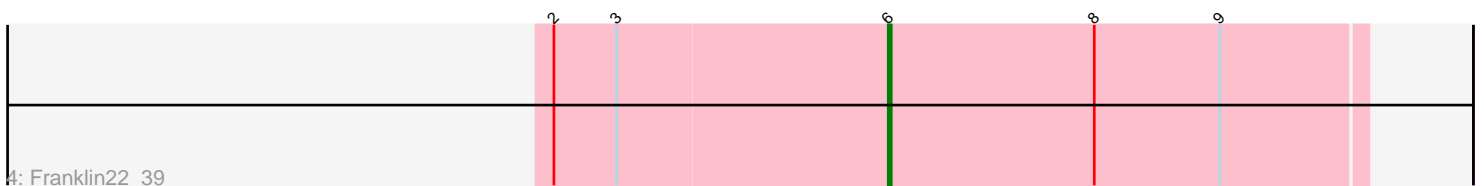
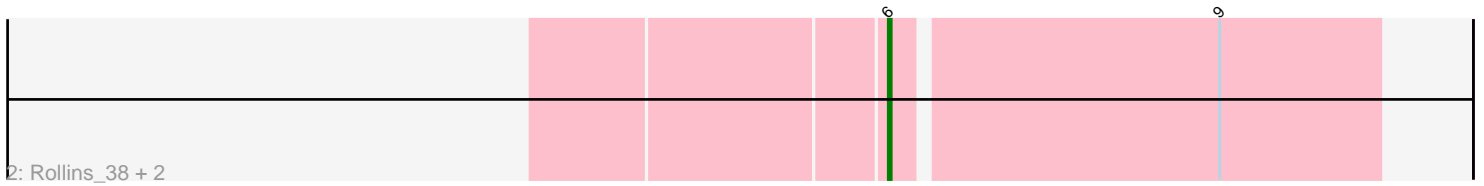
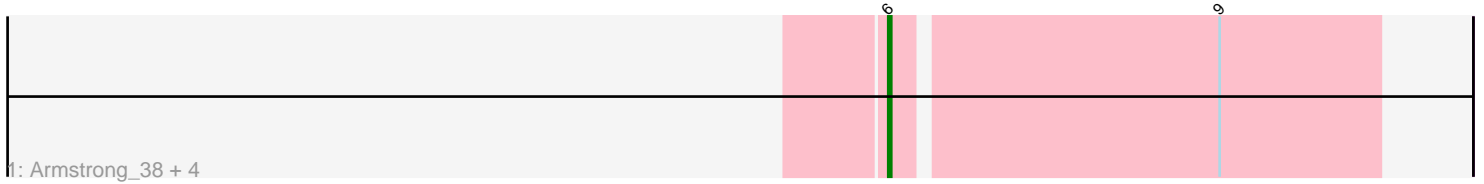


Pham 155130



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 155130 Report

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

Pham number 155130 has 14 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Armstrong_38, Vitas_38, Brahms_38, Clayda5_39, Coltrane_38
- Track 2 : Rollins_38, Skylord_38, Bernstein_38
- Track 3 : BAjuniper_39
- Track 4 : Franklin22_39
- Track 5 : AvGardian_41
- Track 6 : Eden_38
- Track 7 : Gack_36
- Track 8 : Buldak_38

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 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Armstrong_38, AvGardian_41, Bernstein_38, Brahms_38, Buldak_38, Clayda5_39, Coltrane_38, Eden_38, Franklin22_39, Rollins_38, Skylord_38, Vitas_38,

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

- Gack_36,

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

- BAjuniper_39,

Summary by start number:

Start 5:

- Found in 2 of 14 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Gack_36 (EB),

Start 6:

- Found in 13 of 14 (92.9%) of genes in pham

- Manual Annotations of this start: 11 of 12
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Armstrong_38 (EB), AvGardian_41 (EB), Bernstein_38 (EB), Brahms_38 (EB), Buldak_38 (EB), Clayda5_39 (EB), Coltrane_38 (EB), Eden_38 (EB), Franklin22_39 (EB), Rollins_38 (EB), Skylord_38 (EB), Vitas_38 (EB),

Start 7:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BAjuniper_39 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 6 was manually annotated 11 times for cluster EB.
- Start number 7 was manually annotated 1 time for cluster EB.

Gene Information:

Gene: Armstrong_38 Start: 24705, Stop: 24863, Start Num: 6

Candidate Starts for Armstrong_38:

(Start: 6 @24705 has 11 MA's), (9, 24810),

Gene: AvGardian_41 Start: 26948, Stop: 27130, Start Num: 6

Candidate Starts for AvGardian_41:

(Start: 6 @26948 has 11 MA's), (8, 27011), (9, 27053), (12, 27110), (13, 27116),

Gene: BAjuniper_39 Start: 27787, Stop: 27945, Start Num: 7

Candidate Starts for BAjuniper_39:

(Start: 7 @27787 has 1 MA's), (8, 27850), (9, 27892), (11, 27934),

Gene: Bernstein_38 Start: 24787, Stop: 24945, Start Num: 6

Candidate Starts for Bernstein_38:

(Start: 6 @24787 has 11 MA's), (9, 24892),

Gene: Brahms_38 Start: 24707, Stop: 24865, Start Num: 6

Candidate Starts for Brahms_38:

(Start: 6 @24707 has 11 MA's), (9, 24812),

Gene: Buldak_38 Start: 25278, Stop: 25433, Start Num: 6

Candidate Starts for Buldak_38:

(1, 25017), (Start: 6 @25278 has 11 MA's),

Gene: Clayda5_39 Start: 24694, Stop: 24852, Start Num: 6

Candidate Starts for Clayda5_39:

(Start: 6 @24694 has 11 MA's), (9, 24799),

Gene: Coltrane_38 Start: 24707, Stop: 24865, Start Num: 6
Candidate Starts for Coltrane_38:
(Start: 6 @24707 has 11 MA's), (9, 24812),

Gene: Eden_38 Start: 25429, Stop: 25578, Start Num: 6
Candidate Starts for Eden_38:
(4, 25363), (5, 25405), (Start: 6 @25429 has 11 MA's), (8, 25492), (9, 25534),

Gene: Franklin22_39 Start: 25310, Stop: 25468, Start Num: 6
Candidate Starts for Franklin22_39:
(2, 25199), (3, 25220), (Start: 6 @25310 has 11 MA's), (8, 25379), (9, 25421),

Gene: Gack_36 Start: 24895, Stop: 25107, Start Num: 5
Candidate Starts for Gack_36:
(4, 24853), (5, 24895), (Start: 6 @24922 has 11 MA's), (8, 24985), (9, 25027), (10, 25060), (14, 25093),

Gene: Rollins_38 Start: 24787, Stop: 24945, Start Num: 6
Candidate Starts for Rollins_38:
(Start: 6 @24787 has 11 MA's), (9, 24892),

Gene: Skylord_38 Start: 24718, Stop: 24876, Start Num: 6
Candidate Starts for Skylord_38:
(Start: 6 @24718 has 11 MA's), (9, 24823),

Gene: Vitas_38 Start: 24700, Stop: 24858, Start Num: 6
Candidate Starts for Vitas_38:
(Start: 6 @24700 has 11 MA's), (9, 24805),