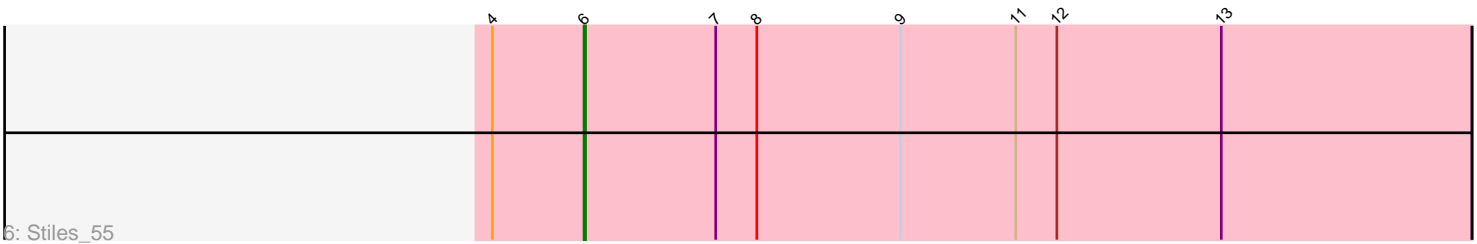
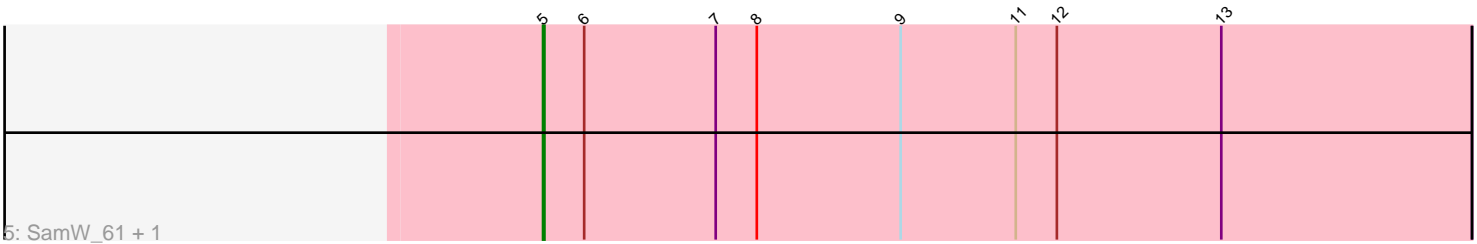
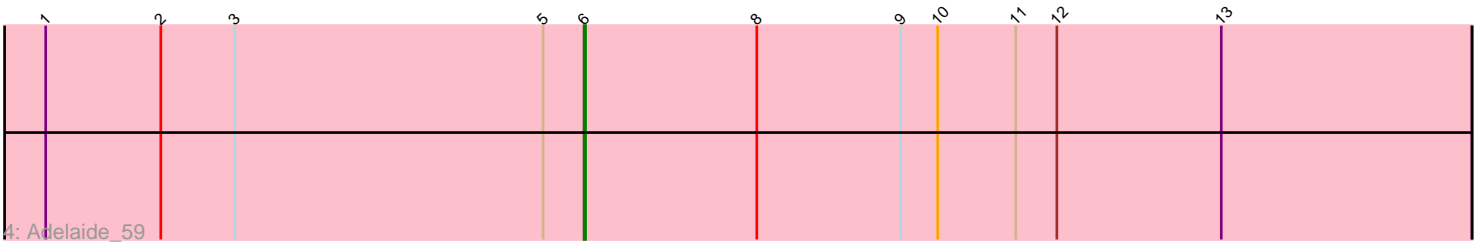
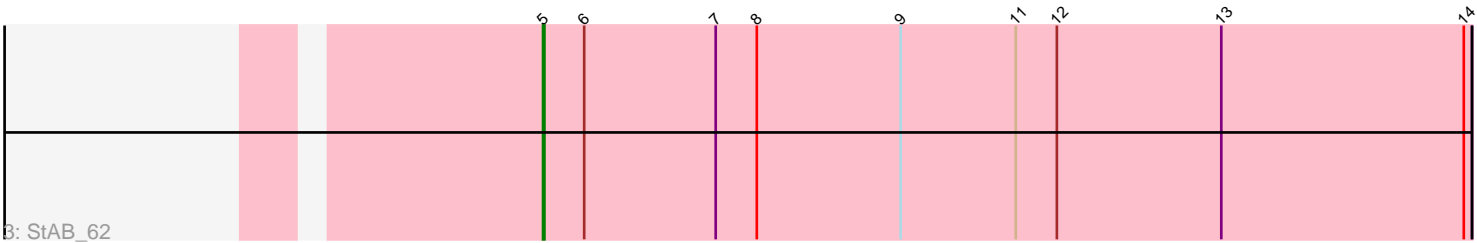
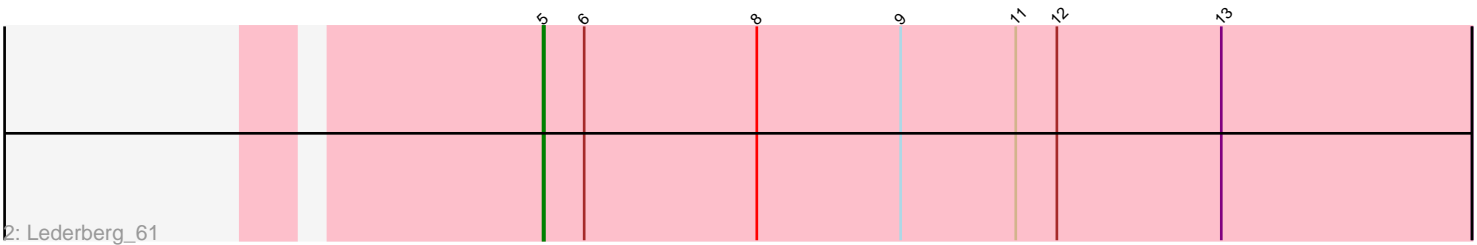
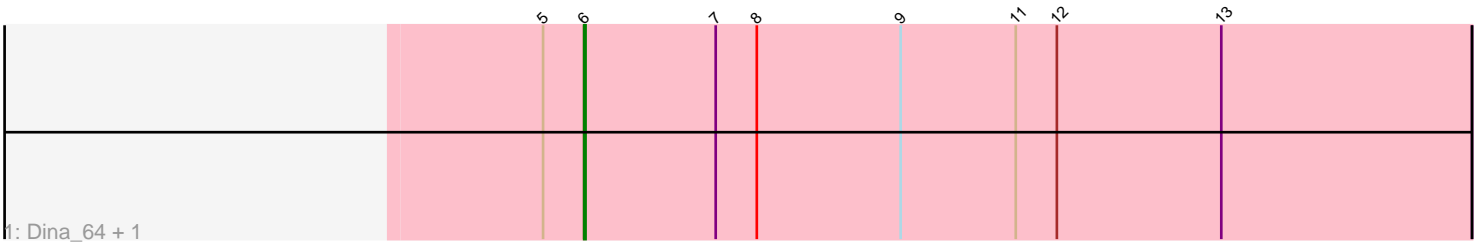


Pham 6281



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 6281 Report

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

Pham number 6281 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Dina_64, Bran_70
- Track 2 : Lederberg_61
- Track 3 : StAB_62
- Track 4 : Adelaide_59
- Track 5 : SamW_61, Troy_61
- Track 6 : Stiles_55

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

Genes that call this "Most Annotated" start:

- Adelaide_59, Bran_70, Dina_64, Stiles_55,

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

- Lederberg_61, SamW_61, StAB_62, Troy_61,

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

-

Summary by start number:

Start 5:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Lederberg_61 (EP), SamW_61 (EP), StAB_62 (EP), Troy_61 (EP),

Start 6:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 50.0% of time when present

- Phage (with cluster) where this start called: Adelaide_59 (EP), Bran_70 (EP), Dina_64 (EP), Stiles_55 (EP),

Summary by clusters:

There is one cluster represented in this pham: EP

Info for manual annotations of cluster EP:

- Start number 5 was manually annotated 4 times for cluster EP.
- Start number 6 was manually annotated 4 times for cluster EP.

Gene Information:

Gene: Adelaide_59 Start: 43390, Stop: 44037, Start Num: 6

Candidate Starts for Adelaide_59:

(1, 42997), (2, 43081), (3, 43135), (Start: 5 @43360 has 4 MA's), (Start: 6 @43390 has 4 MA's), (8, 43516), (9, 43621), (10, 43648), (11, 43705), (12, 43735), (13, 43855),

Gene: Bran_70 Start: 43770, Stop: 44417, Start Num: 6

Candidate Starts for Bran_70:

(Start: 5 @43740 has 4 MA's), (Start: 6 @43770 has 4 MA's), (7, 43866), (8, 43896), (9, 44001), (11, 44085), (12, 44115), (13, 44235),

Gene: Dina_64 Start: 43667, Stop: 44314, Start Num: 6

Candidate Starts for Dina_64:

(Start: 5 @43637 has 4 MA's), (Start: 6 @43667 has 4 MA's), (7, 43763), (8, 43793), (9, 43898), (11, 43982), (12, 44012), (13, 44132),

Gene: Lederberg_61 Start: 44900, Stop: 45577, Start Num: 5

Candidate Starts for Lederberg_61:

(Start: 5 @44900 has 4 MA's), (Start: 6 @44930 has 4 MA's), (8, 45056), (9, 45161), (11, 45245), (12, 45275), (13, 45395),

Gene: SamW_61 Start: 43865, Stop: 44542, Start Num: 5

Candidate Starts for SamW_61:

(Start: 5 @43865 has 4 MA's), (Start: 6 @43895 has 4 MA's), (7, 43991), (8, 44021), (9, 44126), (11, 44210), (12, 44240), (13, 44360),

Gene: StAB_62 Start: 45007, Stop: 45684, Start Num: 5

Candidate Starts for StAB_62:

(Start: 5 @45007 has 4 MA's), (Start: 6 @45037 has 4 MA's), (7, 45133), (8, 45163), (9, 45268), (11, 45352), (12, 45382), (13, 45502), (14, 45679),

Gene: Stiles_55 Start: 42132, Stop: 42779, Start Num: 6

Candidate Starts for Stiles_55:

(4, 42066), (Start: 6 @42132 has 4 MA's), (7, 42228), (8, 42258), (9, 42363), (11, 42447), (12, 42477), (13, 42597),

Gene: Troy_61 Start: 43865, Stop: 44542, Start Num: 5

Candidate Starts for Troy_61:

(Start: 5 @43865 has 4 MA's), (Start: 6 @43895 has 4 MA's), (7, 43991), (8, 44021), (9, 44126), (11, 44210), (12, 44240), (13, 44360),