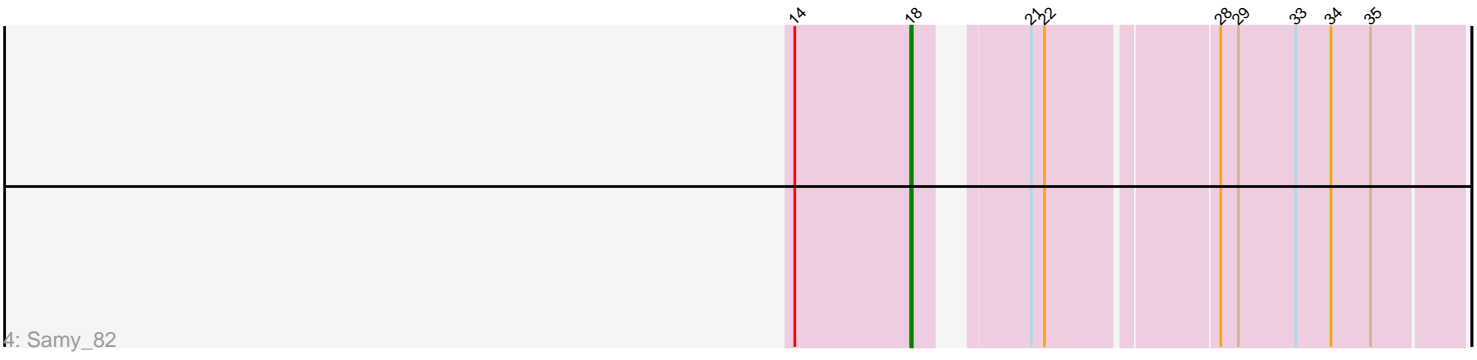
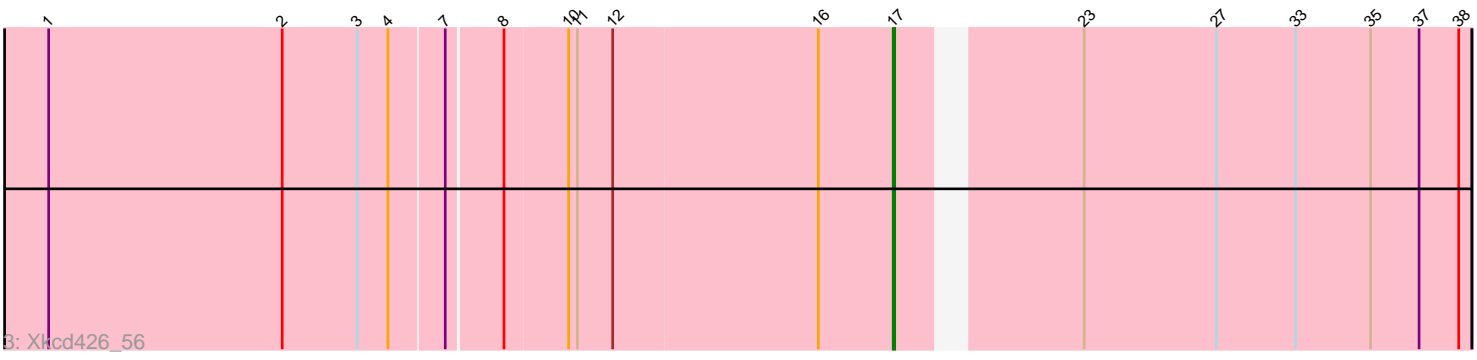
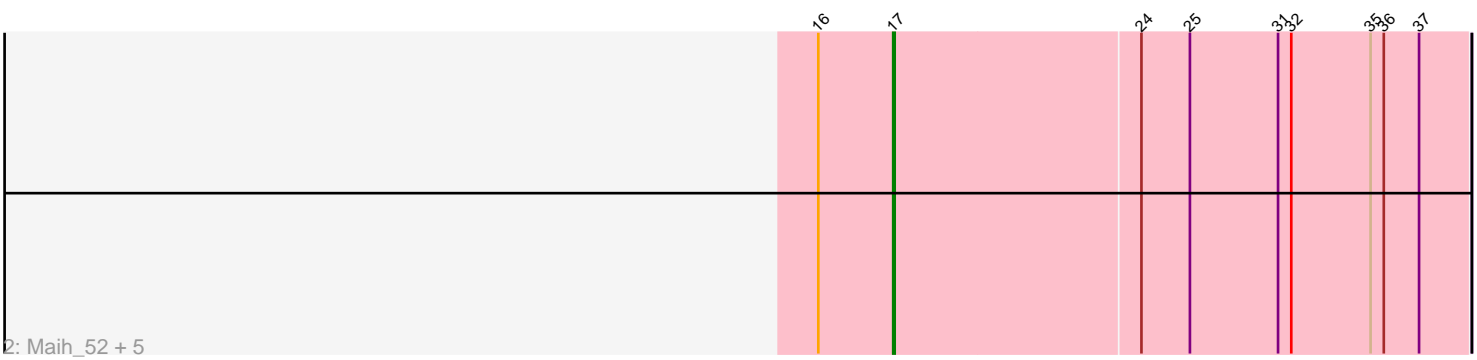
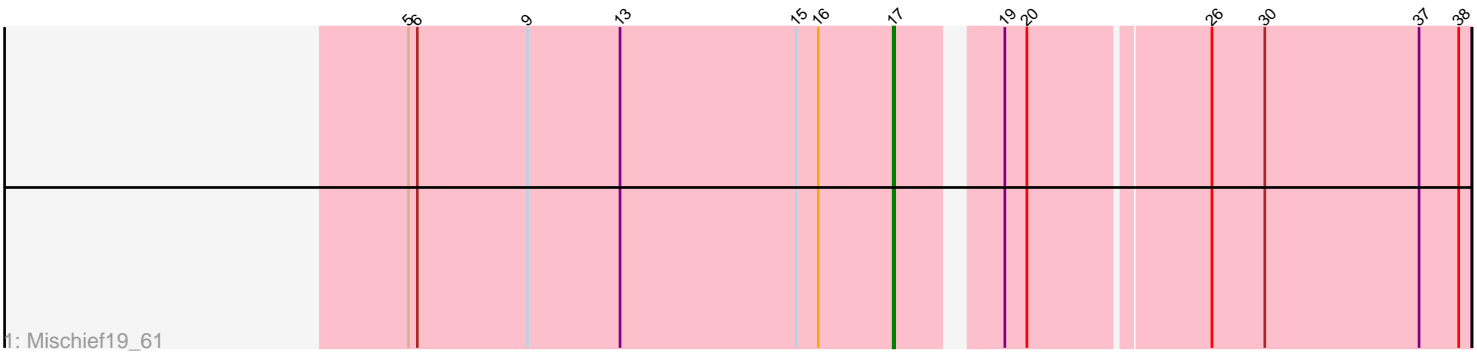


Pham 6251



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 6251 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6251 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Mischief19_61
- Track 2 : Maih_52, TP1604_53, Asis_53, BabyGotBac_54, BayC_53, Salete_53
- Track 3 : Xkcd426_56
- Track 4 : Samy_82

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

The start number called the most often in the published annotations is 17, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Asis_53, BabyGotBac_54, BayC_53, Maih_52, Mischief19_61, Salete_53, TP1604_53, Xkcd426_56,

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

-

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

- Samy_82,

Summary by start number:

Start 17:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Asis_53 (BG), BabyGotBac_54 (BG), BayC_53 (BG), Maih_52 (BG), Mischief19_61 (BG), Salete_53 (BG), TP1604_53 (BG), Xkcd426_56 (BG),

Start 18:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Samy_82 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, BG,

Info for manual annotations of cluster BG:

- Start number 17 was manually annotated 8 times for cluster BG.

Gene Information:

Gene: Asis_53 Start: 44187, Stop: 44555, Start Num: 17

Candidate Starts for Asis_53:

(16, 44136), (Start: 17 @44187 has 8 MA's), (24, 44334), (25, 44367), (31, 44427), (32, 44436), (35, 44490), (36, 44499), (37, 44523),

Gene: BabyGotBac_54 Start: 44199, Stop: 44561, Start Num: 17

Candidate Starts for BabyGotBac_54:

(16, 44148), (Start: 17 @44199 has 8 MA's), (24, 44340), (25, 44373), (31, 44433), (32, 44442), (35, 44496), (36, 44505), (37, 44529),

Gene: BayC_53 Start: 44185, Stop: 44559, Start Num: 17

Candidate Starts for BayC_53:

(16, 44134), (Start: 17 @44185 has 8 MA's), (24, 44338), (25, 44371), (31, 44431), (32, 44440), (35, 44494), (36, 44503), (37, 44527),

Gene: Maih_52 Start: 44186, Stop: 44572, Start Num: 17

Candidate Starts for Maih_52:

(16, 44135), (Start: 17 @44186 has 8 MA's), (24, 44351), (25, 44384), (31, 44444), (32, 44453), (35, 44507), (36, 44516), (37, 44540),

Gene: Mischief19_61 Start: 54476, Stop: 54841, Start Num: 17

Candidate Starts for Mischief19_61:

(5, 54146), (6, 54152), (9, 54227), (13, 54290), (15, 54410), (16, 54425), (Start: 17 @54476 has 8 MA's), (19, 54533), (20, 54548), (26, 54665), (30, 54701), (37, 54806), (38, 54833),

Gene: Salete_53 Start: 44185, Stop: 44559, Start Num: 17

Candidate Starts for Salete_53:

(16, 44134), (Start: 17 @44185 has 8 MA's), (24, 44338), (25, 44371), (31, 44431), (32, 44440), (35, 44494), (36, 44503), (37, 44527),

Gene: Samy_82 Start: 51632, Stop: 51967, Start Num: 18

Candidate Starts for Samy_82:

(14, 51554), (Start: 18 @51632 has 1 MA's), (21, 51689), (22, 51698), (28, 51806), (29, 51818), (33, 51857), (34, 51881), (35, 51908),

Gene: TP1604_53 Start: 44202, Stop: 44564, Start Num: 17

Candidate Starts for TP1604_53:

(16, 44151), (Start: 17 @44202 has 8 MA's), (24, 44343), (25, 44376), (31, 44436), (32, 44445), (35, 44499), (36, 44508), (37, 44532),

Gene: Xkcd426_56 Start: 49965, Stop: 50333, Start Num: 17

Candidate Starts for Xkcd426_56:

(1, 49401), (2, 49560), (3, 49611), (4, 49632), (7, 49668), (8, 49704), (10, 49746), (11, 49752), (12, 49776), (16, 49914), (Start: 17 @49965 has 8 MA's), (23, 50070), (27, 50160), (33, 50214), (35, 50265), (37, 50298), (38, 50325),