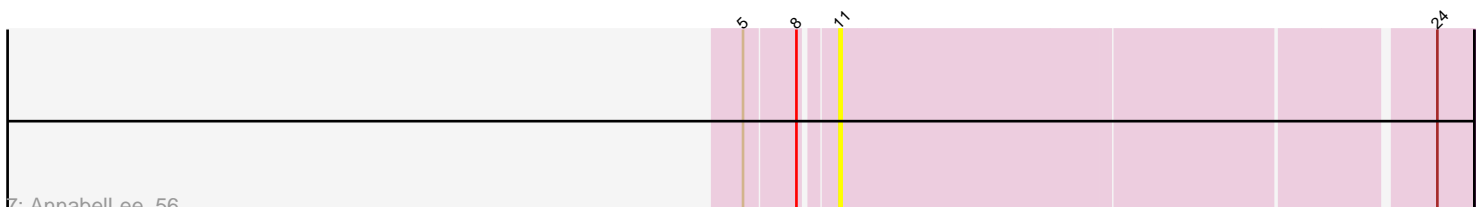
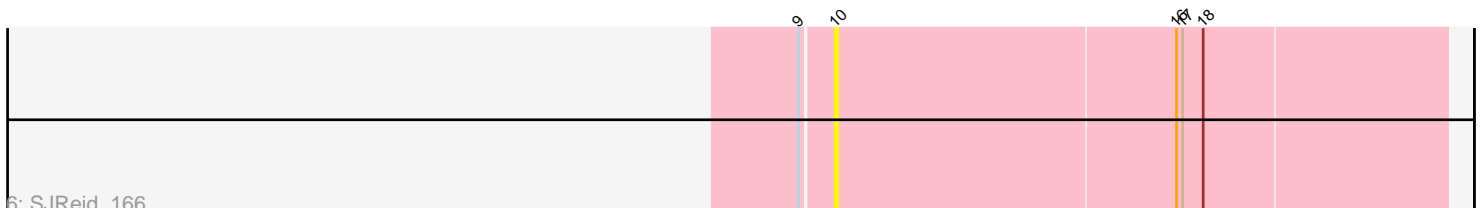
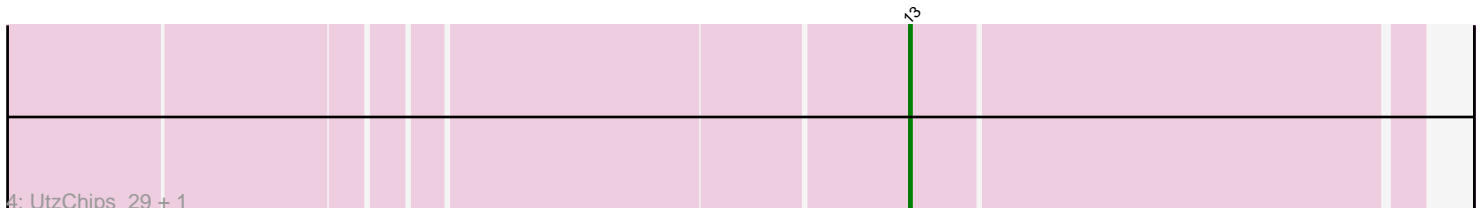
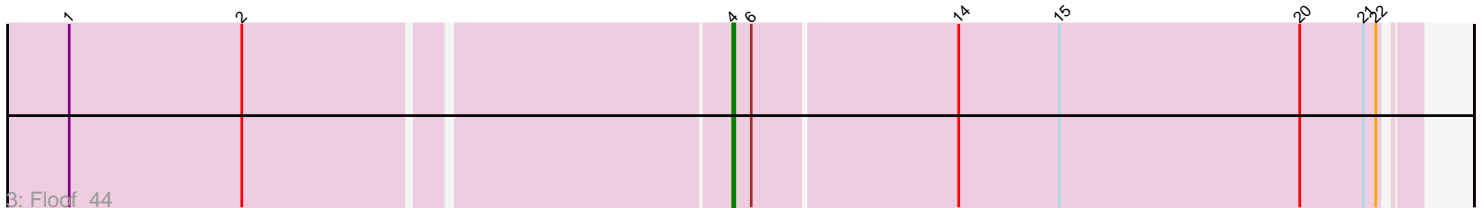
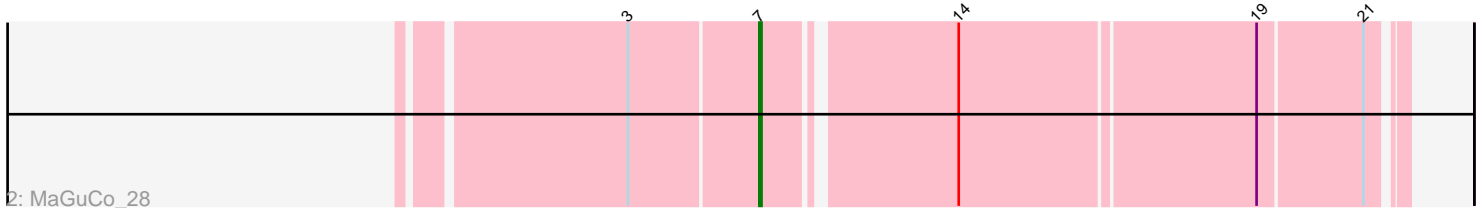
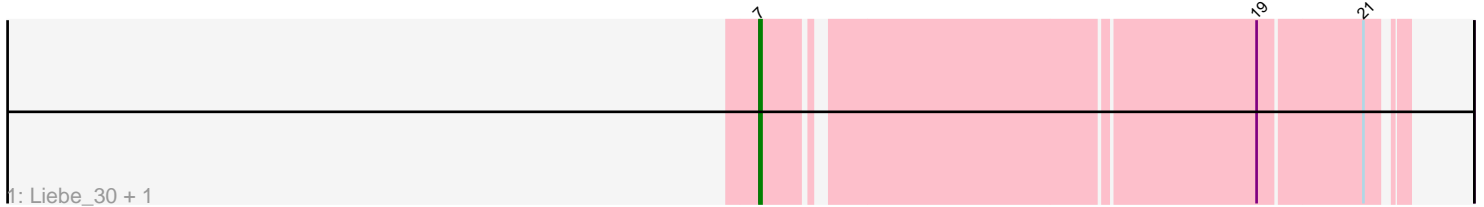


Pham 194563



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 194563 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194563 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Liebe_30, Maureen_30
- Track 2 : MaGuCo_28
- Track 3 : Floof_44
- Track 4 : UtzChips_29, Barnstormer_29
- Track 5 : Cen1621_27
- Track 6 : SJReid_166
- Track 7 : AnnabelLee_56

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

The start number called the most often in the published annotations is 7, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Liebe_30, MaGuCo_28, Maureen_30,

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

-

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

- AnnabelLee_56, Barnstormer_29, Cen1621_27, Floof_44, SJReid_166, UtzChips_29,

Summary by start number:

Start 4:

- Found in 1 of 9 (11.1%) 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: Floof_44 (EH),

Start 7:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 7

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Liebe_30 (AZ2), MaGuCo_28 (AZ2), Maureen_30 (AZ2),

Start 10:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SJReid_166 (FC),

Start 11:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnnabelLee_56 (FR),

Start 13:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barnstormer_29 (EH), Cen1621_27 (EH), UtzChips_29 (EH),

Summary by clusters:

There are 4 clusters represented in this pham: FR, AZ2, FC, EH,

Info for manual annotations of cluster AZ2:

- Start number 7 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster EH:

- Start number 4 was manually annotated 1 time for cluster EH.
- Start number 13 was manually annotated 3 times for cluster EH.

Gene Information:

Gene: AnnabelLee_56 Start: 34806, Stop: 34513, Start Num: 11

Candidate Starts for AnnabelLee_56:

(5, 34845), (8, 34821), (11, 34806), (24, 34530),

Gene: Barnstormer_29 Start: 22719, Stop: 22958, Start Num: 13

Candidate Starts for Barnstormer_29:

(Start: 13 @22719 has 3 MA's),

Gene: Cen1621_27 Start: 21303, Stop: 21548, Start Num: 13

Candidate Starts for Cen1621_27:

(12, 21276), (Start: 13 @21303 has 3 MA's), (23, 21537),

Gene: Floof_44 Start: 27937, Stop: 28257, Start Num: 4

Candidate Starts for Floof_44:

(1, 27628), (2, 27712), (Start: 4 @27937 has 1 MA's), (6, 27946), (14, 28042), (15, 28090), (20, 28207), (21, 28237), (22, 28243),

Gene: Liebe_30 Start: 24030, Stop: 24314, Start Num: 7

Candidate Starts for Liebe_30:

(Start: 7 @24030 has 3 MA's), (19, 24252), (21, 24300),

Gene: MaGuCo_28 Start: 22831, Stop: 23115, Start Num: 7

Candidate Starts for MaGuCo_28:

(3, 22771), (Start: 7 @22831 has 3 MA's), (14, 22915), (19, 23053), (21, 23101),

Gene: Maureen_30 Start: 24030, Stop: 24314, Start Num: 7

Candidate Starts for Maureen_30:

(Start: 7 @24030 has 3 MA's), (19, 24252), (21, 24300),

Gene: SJReid_166 Start: 98433, Stop: 98723, Start Num: 10

Candidate Starts for SJReid_166:

(9, 98418), (10, 98433), (16, 98595), (17, 98598), (18, 98607),

Gene: UtzChips_29 Start: 22704, Stop: 22943, Start Num: 13

Candidate Starts for UtzChips_29:

(Start: 13 @22704 has 3 MA's),