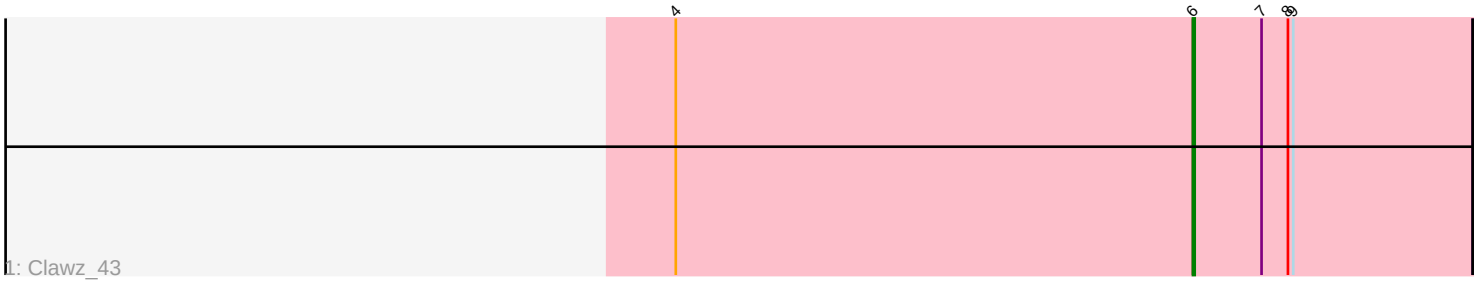
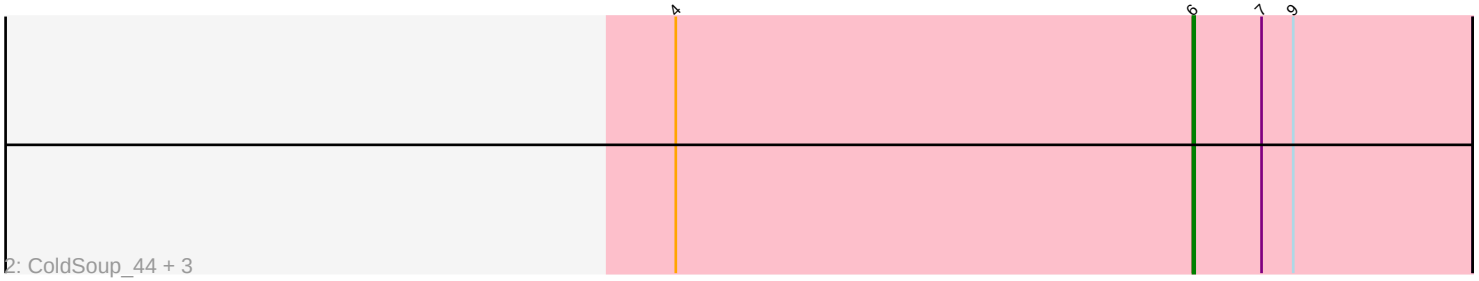
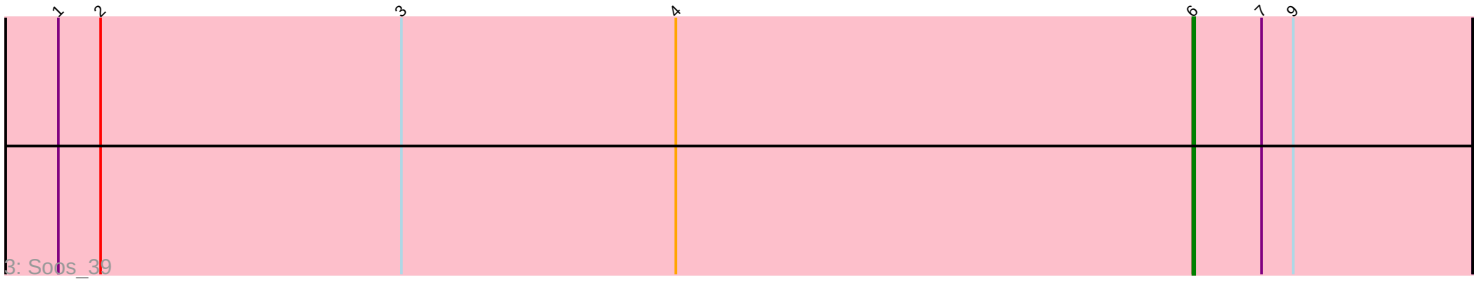
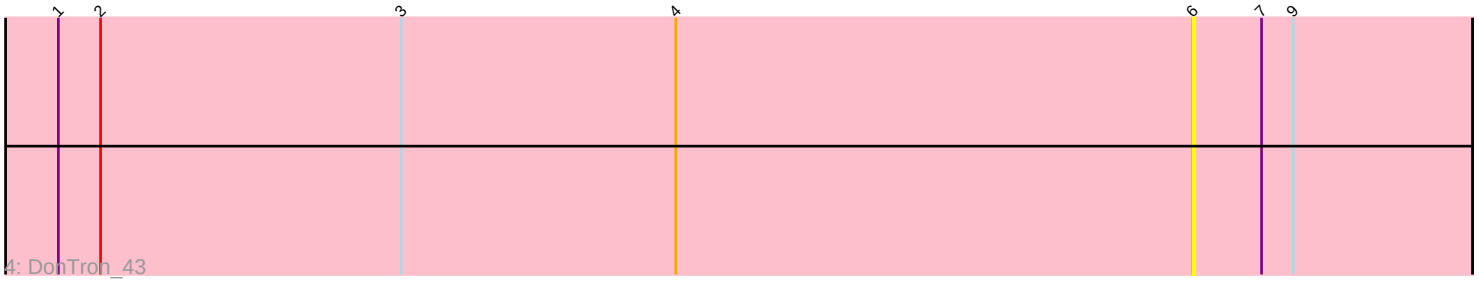
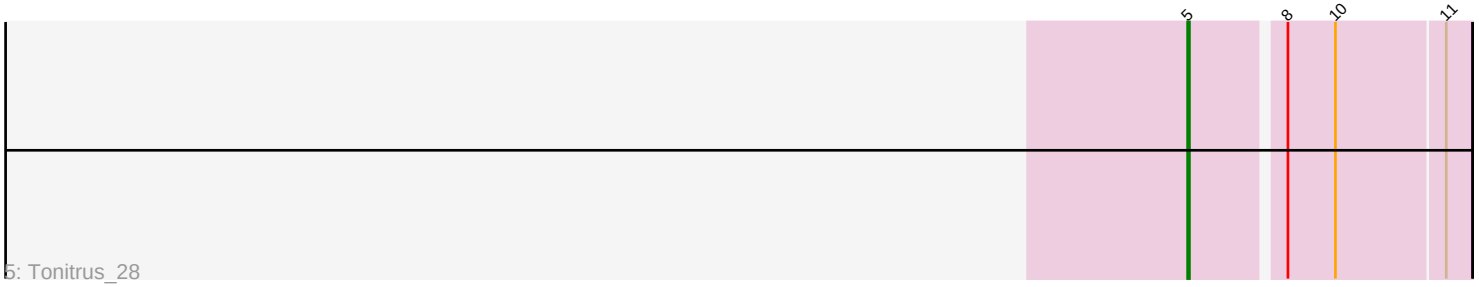
Pham 197116


4
6
7
8
1: Clawz_43


4
6
7
9
2: ColdSoup_44 + 3


1
2
3
4
6
7
9
3: Soos_39


1
2
3
4
6
7
9
4: DonTron_43


5
8
10
11
5: Tonitrus_28

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 197116 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197116 has 8 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Clawz_43
• Track 2 : ColdSoup_44, Sting_42, KingstonB_43, Jollymon_44
• Track 3 : Soos_39
• Track 4 : DonTron_43
• Track 5 : Tonitrus_28

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

Genes that call this "Most Annotated" start:
• Clawz_43, ColdSoup_44, DonTron_43, Jollymon_44, KingstonB_43, Soos_39, Sting_42,

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

Genes that do not have the "Most Annotated" start:
• Tonitrus_28,

Summary by start number:

Start 5:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tonitrus_28 (singleton),

Start 6:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Clawz_43 (CP), ColdSoup_44 (CP), DonTron_43 (CP), Jollymon_44 (CP), KingstonB_43 (CP), Soos_39 (CP), Sting_42 (CP),

Summary by clusters:

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

Info for manual annotations of cluster CP:
•Start number 6 was manually annotated 3 times for cluster CP.

Gene Information:

Gene: Clawz_43 Start: 22851, Stop: 23009, Start Num: 6
Candidate Starts for Clawz_43:
(4, 22557), (Start: 6 @22851 has 3 MA's), (7, 22890), (8, 22905), (9, 22908),

Gene: ColdSoup_44 Start: 22933, Stop: 23091, Start Num: 6
Candidate Starts for ColdSoup_44:
(4, 22639), (Start: 6 @22933 has 3 MA's), (7, 22972), (9, 22990),

Gene: DonTron_43 Start: 23003, Stop: 23161, Start Num: 6
Candidate Starts for DonTron_43:
(1, 22358), (2, 22382), (3, 22553), (4, 22709), (Start: 6 @23003 has 3 MA's), (7, 23042), (9, 23060),

Gene: Jollymon_44 Start: 22933, Stop: 23091, Start Num: 6
Candidate Starts for Jollymon_44:
(4, 22639), (Start: 6 @22933 has 3 MA's), (7, 22972), (9, 22990),

Gene: KingstonB_43 Start: 22441, Stop: 22599, Start Num: 6
Candidate Starts for KingstonB_43:
(4, 22147), (Start: 6 @22441 has 3 MA's), (7, 22480), (9, 22498),

Gene: Soos_39 Start: 22170, Stop: 22328, Start Num: 6
Candidate Starts for Soos_39:
(1, 21525), (2, 21549), (3, 21720), (4, 21876), (Start: 6 @22170 has 3 MA's), (7, 22209), (9, 22227),

Gene: Sting_42 Start: 22609, Stop: 22767, Start Num: 6
Candidate Starts for Sting_42:
(4, 22315), (Start: 6 @22609 has 3 MA's), (7, 22648), (9, 22666),

Gene: Tonitrus_28 Start: 18735, Stop: 18884, Start Num: 5
Candidate Starts for Tonitrus_28:
(Start: 5 @18735 has 1 MA's), (8, 18783), (10, 18810), (11, 18870),