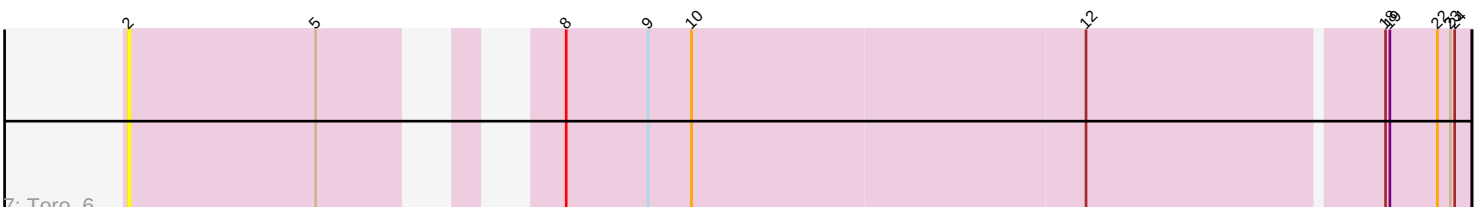
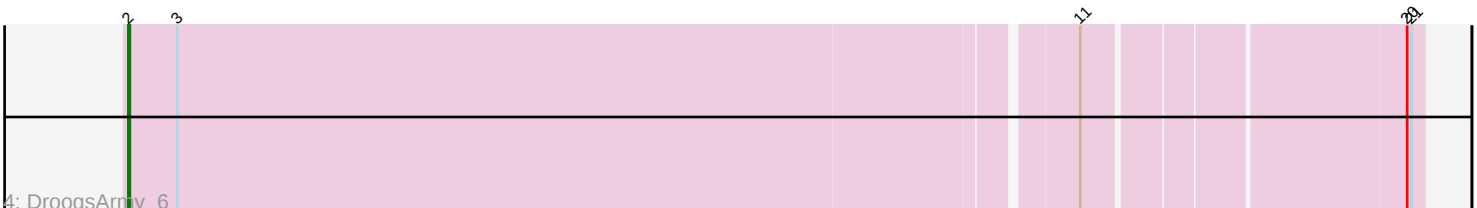
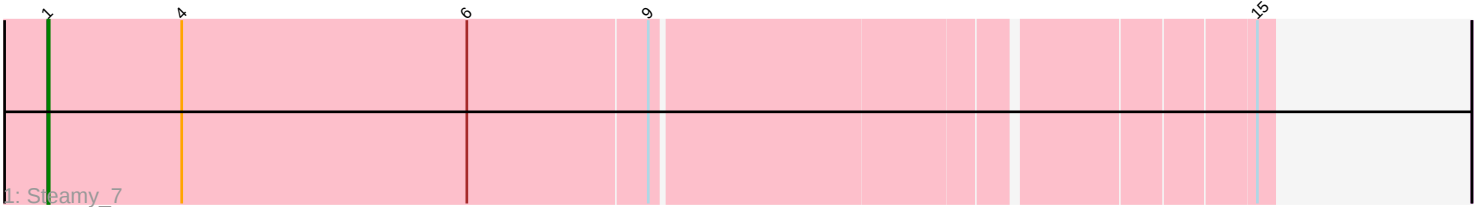


Pham 331611



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 331611 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331611 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Steamy_7
- Track 2 : HINdeR_6
- Track 3 : Sheen_6
- Track 4 : DroogsArmy_6
- Track 5 : PP_15
- Track 6 : Timshel_6
- Track 7 : Toro_6

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DroogsArmy_6, HINdeR_6, PP_15, Sheen_6, Timshel_6, Toro_6,

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

-

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

- Steamy_7,

Summary by start number:

Start 1:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Steamy_7 (A12),

Start 2:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present

- Phage (with cluster) where this start called: DroogsArmy_6 (A7), HINdeR_6 (A7), PP_15 (A7), Sheen_6 (A7), Timshel_6 (A7), Toro_6 (A7),

Summary by clusters:

There are 2 clusters represented in this pham: A7, A12,

Info for manual annotations of cluster A12:

- Start number 1 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A7:

- Start number 2 was manually annotated 5 times for cluster A7.

Gene Information:

Gene: DroogsArmy_6 Start: 3592, Stop: 4452, Start Num: 2

Candidate Starts for DroogsArmy_6:

(Start: 2 @3592 has 5 MA's), (3, 3625), (11, 4234), (20, 4441), (21, 4444),

Gene: HINdeR_6 Start: 3588, Stop: 4367, Start Num: 2

Candidate Starts for HINdeR_6:

(Start: 2 @3588 has 5 MA's), (3, 3621), (9, 3948), (13, 4302), (14, 4308), (15, 4335), (16, 4353), (17, 4356),

Gene: PP_15 Start: 6781, Stop: 7488, Start Num: 2

Candidate Starts for PP_15:

(Start: 2 @6781 has 5 MA's),

Gene: Sheen_6 Start: 3589, Stop: 4512, Start Num: 2

Candidate Starts for Sheen_6:

(Start: 2 @3589 has 5 MA's), (7, 3889), (12, 4246), (18, 4453), (19, 4456), (22, 4489), (23, 4498), (24, 4501),

Gene: Steamy_7 Start: 4480, Stop: 5295, Start Num: 1

Candidate Starts for Steamy_7:

(Start: 1 @4480 has 1 MA's), (4, 4573), (6, 4771), (9, 4894), (15, 5284),

Gene: Timshel_6 Start: 3592, Stop: 4380, Start Num: 2

Candidate Starts for Timshel_6:

(Start: 2 @3592 has 5 MA's), (3, 3625), (13, 4315), (14, 4321), (15, 4348), (16, 4366), (17, 4369),

Gene: Toro_6 Start: 3588, Stop: 4430, Start Num: 2

Candidate Starts for Toro_6:

(Start: 2 @3588 has 5 MA's), (5, 3717), (8, 3819), (9, 3876), (10, 3906), (12, 4173), (18, 4371), (19, 4374), (22, 4407), (23, 4416), (24, 4419),