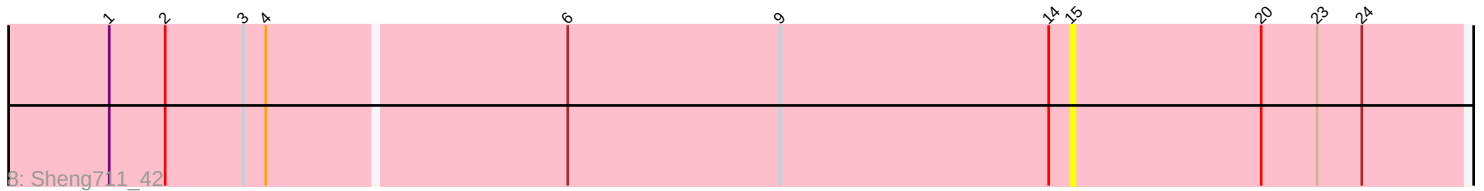
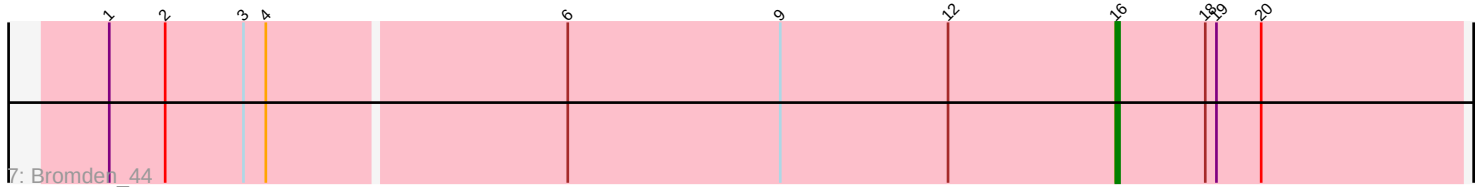
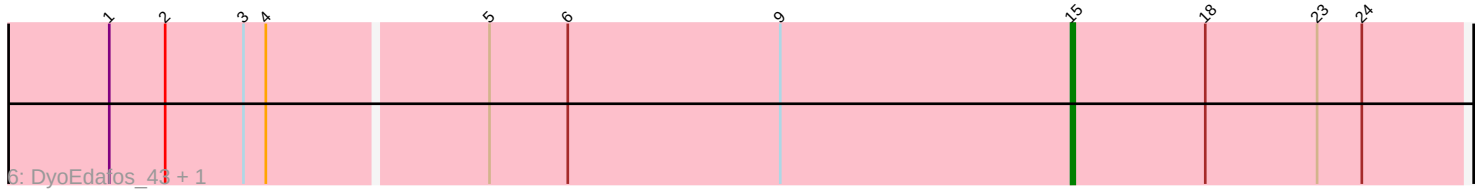
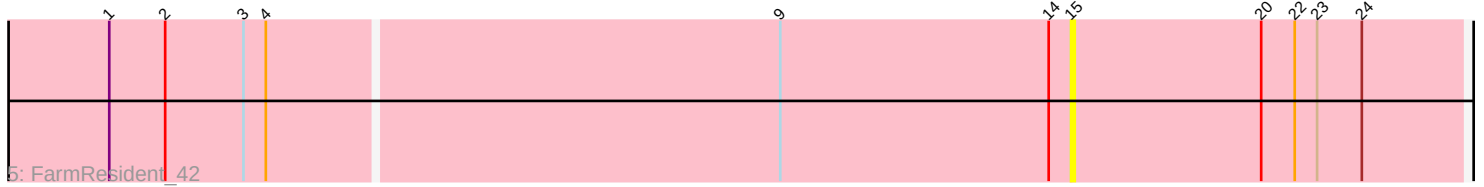
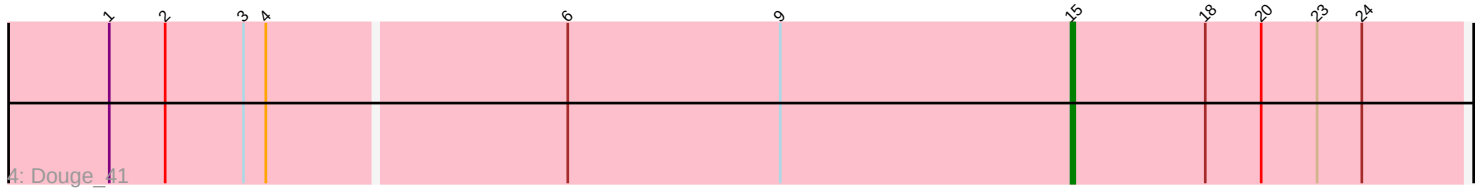
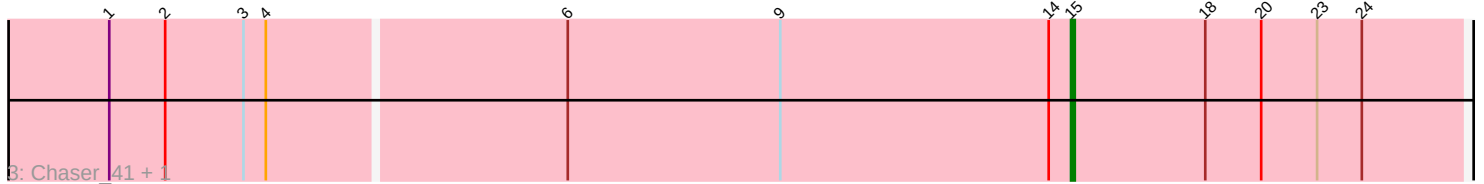
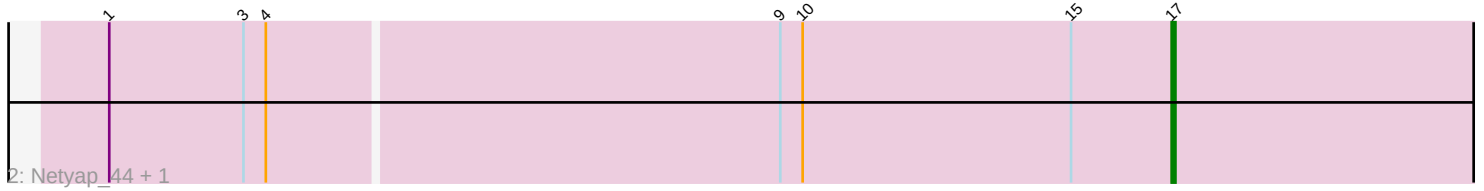
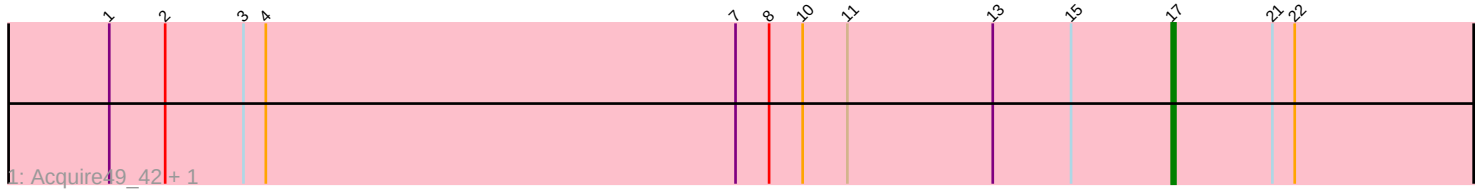


Pham 331428



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 331428 Report

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

Pham number 331428 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Acquire49_42, AvadaKedavra_42
- Track 2 : Netyap_44, BigCheese_44
- Track 3 : Chaser_41, Quby_42
- Track 4 : Douge_41
- Track 5 : FarmResident_42
- Track 6 : DyoEdafos_43, Kropertea_42
- Track 7 : Bromden_44
- Track 8 : Sheng711_42

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 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acquire49_42, AvadaKedavra_42, BigCheese_44, Netyap_44,

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

-

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

- Bromden_44, Chaser_41, Douge_41, DyoEdafos_43, FarmResident_42, Kropertea_42, Quby_42, Sheng711_42,

Summary by start number:

Start 15:

- Found in 11 of 12 (91.7%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 63.6% of time when present
- Phage (with cluster) where this start called: Chaser_41 (L4), Douge_41 (L4), DyoEdafos_43 (L4), FarmResident_42 (L4), Kropertea_42 (L4), Quby_42 (L4), Sheng711_42 (L4),

Start 16:

- Found in 1 of 12 (8.3%) 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: Bromden_44 (L4),

Start 17:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acquire49_42 (L1), AvadaKedavra_42 (L1), BigCheese_44 (L2), Netyap_44 (L2),

Summary by clusters:

There are 3 clusters represented in this pham: L4, L2, L1,

Info for manual annotations of cluster L1:

- Start number 17 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 17 was manually annotated 2 times for cluster L2.

Info for manual annotations of cluster L4:

- Start number 15 was manually annotated 4 times for cluster L4.
- Start number 16 was manually annotated 1 time for cluster L4.

Gene Information:

Gene: Acquire49_42 Start: 33945, Stop: 34028, Start Num: 17

Candidate Starts for Acquire49_42:

(1, 33660), (2, 33675), (3, 33696), (4, 33702), (7, 33828), (8, 33837), (10, 33846), (11, 33858), (13, 33897), (Start: 15 @33918 has 4 MA's), (Start: 17 @33945 has 4 MA's), (21, 33972), (22, 33978),

Gene: AvadaKedavra_42 Start: 33954, Stop: 34037, Start Num: 17

Candidate Starts for AvadaKedavra_42:

(1, 33669), (2, 33684), (3, 33705), (4, 33711), (7, 33837), (8, 33846), (10, 33855), (11, 33867), (13, 33906), (Start: 15 @33927 has 4 MA's), (Start: 17 @33954 has 4 MA's), (21, 33981), (22, 33987),

Gene: BigCheese_44 Start: 35276, Stop: 35359, Start Num: 17

Candidate Starts for BigCheese_44:

(1, 34994), (3, 35030), (4, 35036), (9, 35171), (10, 35177), (Start: 15 @35249 has 4 MA's), (Start: 17 @35276 has 4 MA's),

Gene: Bromden_44 Start: 35017, Stop: 35109, Start Num: 16

Candidate Starts for Bromden_44:

(1, 34750), (2, 34765), (3, 34786), (4, 34792), (6, 34870), (9, 34927), (12, 34972), (Start: 16 @35017 has 1 MA's), (18, 35041), (19, 35044), (20, 35056),

Gene: Chaser_41 Start: 33996, Stop: 34100, Start Num: 15

Candidate Starts for Chaser_41:

(1, 33741), (2, 33756), (3, 33777), (4, 33783), (6, 33861), (9, 33918), (14, 33990), (Start: 15 @33996 has 4 MA's), (18, 34032), (20, 34047), (23, 34062), (24, 34074),

Gene: Douge_41 Start: 33934, Stop: 34038, Start Num: 15

Candidate Starts for Douge_41:

(1, 33679), (2, 33694), (3, 33715), (4, 33721), (6, 33799), (9, 33856), (Start: 15 @33934 has 4 MA's), (18, 33970), (20, 33985), (23, 34000), (24, 34012),

Gene: DyoEdafos_43 Start: 34256, Stop: 34360, Start Num: 15

Candidate Starts for DyoEdafos_43:

(1, 34001), (2, 34016), (3, 34037), (4, 34043), (5, 34100), (6, 34121), (9, 34178), (Start: 15 @34256 has 4 MA's), (18, 34292), (23, 34322), (24, 34334),

Gene: FarmResident_42 Start: 33978, Stop: 34082, Start Num: 15

Candidate Starts for FarmResident_42:

(1, 33723), (2, 33738), (3, 33759), (4, 33765), (9, 33900), (14, 33972), (Start: 15 @33978 has 4 MA's), (20, 34029), (22, 34038), (23, 34044), (24, 34056),

Gene: Kropertea_42 Start: 34079, Stop: 34183, Start Num: 15

Candidate Starts for Kropertea_42:

(1, 33824), (2, 33839), (3, 33860), (4, 33866), (5, 33923), (6, 33944), (9, 34001), (Start: 15 @34079 has 4 MA's), (18, 34115), (23, 34145), (24, 34157),

Gene: Netyap_44 Start: 35276, Stop: 35359, Start Num: 17

Candidate Starts for Netyap_44:

(1, 34994), (3, 35030), (4, 35036), (9, 35171), (10, 35177), (Start: 15 @35249 has 4 MA's), (Start: 17 @35276 has 4 MA's),

Gene: Quby_42 Start: 33934, Stop: 34038, Start Num: 15

Candidate Starts for Quby_42:

(1, 33679), (2, 33694), (3, 33715), (4, 33721), (6, 33799), (9, 33856), (14, 33928), (Start: 15 @33934 has 4 MA's), (18, 33970), (20, 33985), (23, 34000), (24, 34012),

Gene: Sheng711_42 Start: 34040, Stop: 34144, Start Num: 15

Candidate Starts for Sheng711_42:

(1, 33785), (2, 33800), (3, 33821), (4, 33827), (6, 33905), (9, 33962), (14, 34034), (Start: 15 @34040 has 4 MA's), (20, 34091), (23, 34106), (24, 34118),