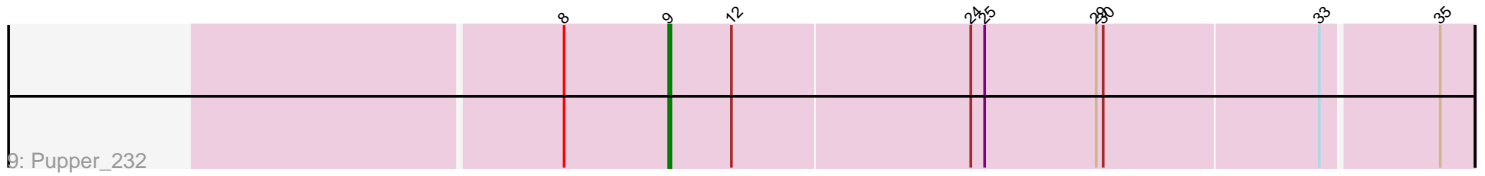
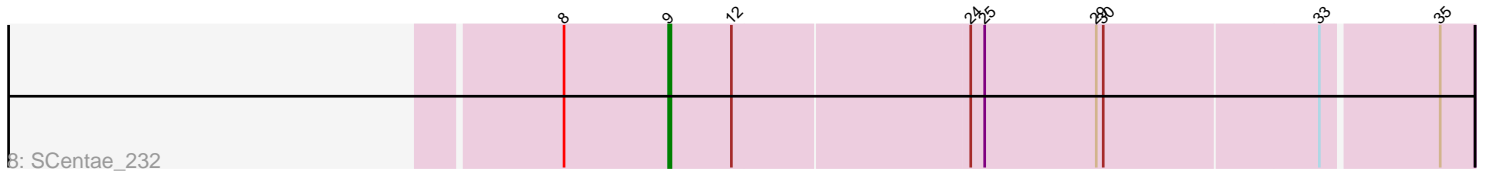
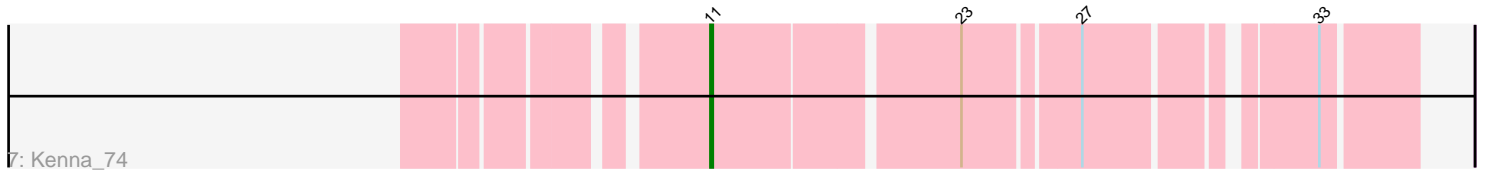
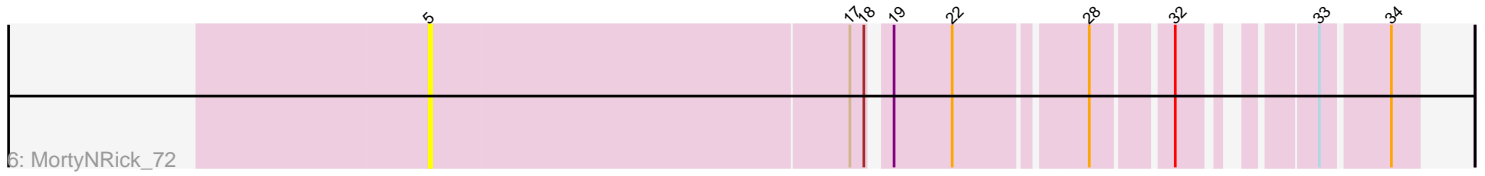
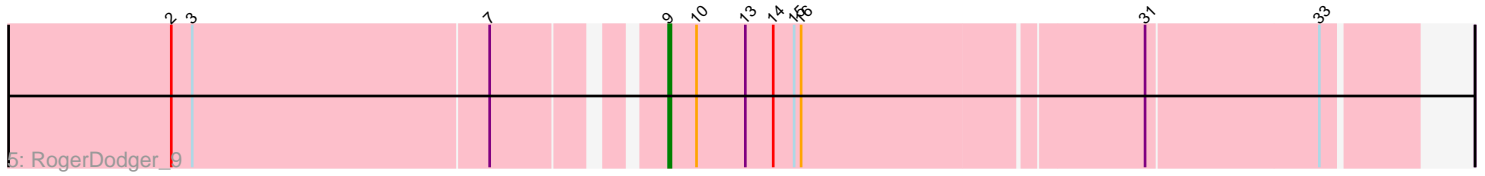
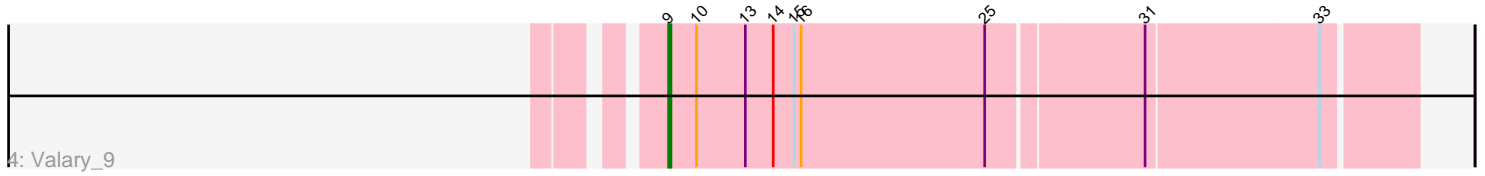
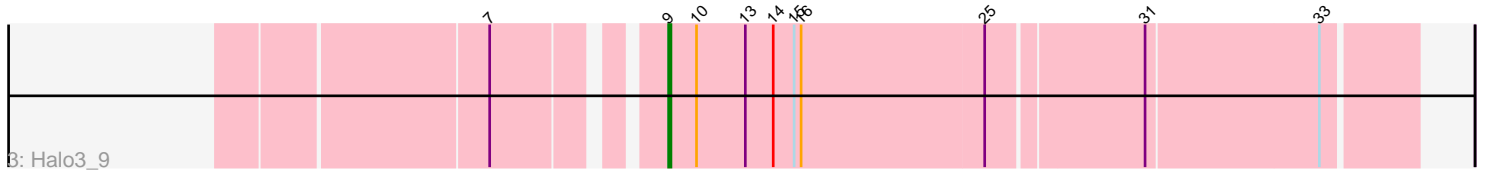
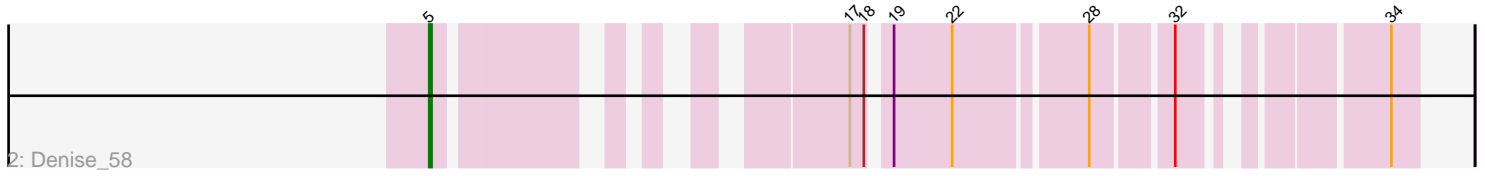
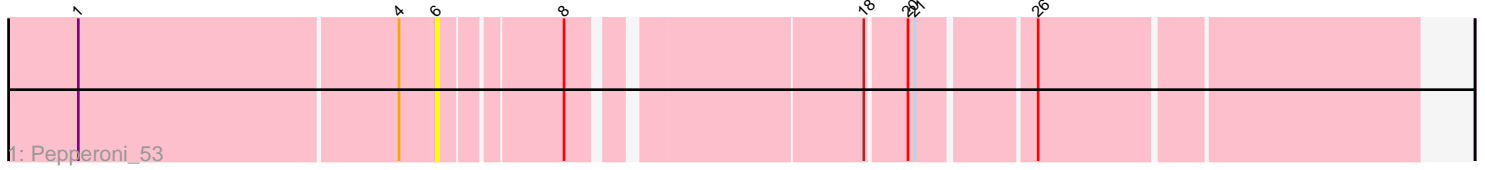


Pham 156862



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 156862 Report

This analysis was run 04/12/24 on database version 558.

Pham number 156862 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Pepperoni_53
- Track 2 : Denise_58
- Track 3 : Halo3_9
- Track 4 : Valary_9
- Track 5 : RogerDodger_9
- Track 6 : MortyNRick_72
- Track 7 : Kenna_74
- Track 8 : SCentae_232
- Track 9 : Pupper_232

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Halo3_9, Pupper_232, RogerDodger_9, SCentae_232, Valary_9,

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

-

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

- Denise_58, Kenna_74, MortyNRick_72, Pepperoni_53,

Summary by start number:

Start 5:

- Found in 2 of 9 (22.2%) 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: Denise_58 (CZ5), MortyNRick_72 (DN),

Start 6:

- 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: Pepperoni_53 (CZ),

Start 9:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Halo3_9 (DC1), Pupper_232 (DO), RogerDodger_9 (DC1), SCentae_232 (DO), Valary_9 (DC1),

Start 11:

- 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: Kenna_74 (DN1),

Summary by clusters:

There are 6 clusters represented in this pham: DN, DO, CZ5, CZ, DN1, DC1,

Info for manual annotations of cluster CZ5:

- Start number 5 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster DC1:

- Start number 9 was manually annotated 3 times for cluster DC1.

Info for manual annotations of cluster DN1:

- Start number 11 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DO:

- Start number 9 was manually annotated 2 times for cluster DO.

Gene Information:

Gene: Denise_58 Start: 36910, Stop: 37233, Start Num: 5

Candidate Starts for Denise_58:

(Start: 5 @36910 has 1 MA's), (17, 37036), (18, 37042), (19, 37048), (22, 37072), (28, 37123), (32, 37153), (34, 37222),

Gene: Halo3_9 Start: 4498, Stop: 4806, Start Num: 9

Candidate Starts for Halo3_9:

(7, 4438), (Start: 9 @4498 has 5 MA's), (10, 4510), (13, 4531), (14, 4543), (15, 4552), (16, 4555), (25, 4633), (31, 4696), (33, 4768),

Gene: Kenna_74 Start: 44226, Stop: 44492, Start Num: 11

Candidate Starts for Kenna_74:

(Start: 11 @44226 has 1 MA's), (23, 44325), (27, 44370), (33, 44454),

Gene: MortyNRick_72 Start: 45215, Stop: 45589, Start Num: 5

Candidate Starts for MortyNRick_72:

(Start: 5 @45215 has 1 MA's), (17, 45392), (18, 45398), (19, 45404), (22, 45428), (28, 45479), (32, 45509), (33, 45551), (34, 45578),

Gene: Pepperoni_53 Start: 34740, Stop: 35117, Start Num: 6

Candidate Starts for Pepperoni_53:

(1, 34590), (4, 34725), (6, 34740), (8, 34788), (18, 34899), (20, 34914), (21, 34917), (26, 34962),

Gene: Pupper_232 Start: 149879, Stop: 150214, Start Num: 9

Candidate Starts for Pupper_232:

(8, 149834), (Start: 9 @149879 has 5 MA's), (12, 149906), (24, 150005), (25, 150011), (29, 150059), (30, 150062), (33, 150152), (35, 150200),

Gene: RogerDodger_9 Start: 4423, Stop: 4731, Start Num: 9

Candidate Starts for RogerDodger_9:

(2, 4228), (3, 4237), (7, 4363), (Start: 9 @4423 has 5 MA's), (10, 4435), (13, 4456), (14, 4468), (15, 4477), (16, 4480), (31, 4621), (33, 4693),

Gene: SCentae_232 Start: 150365, Stop: 150700, Start Num: 9

Candidate Starts for SCentae_232:

(8, 150320), (Start: 9 @150365 has 5 MA's), (12, 150392), (24, 150491), (25, 150497), (29, 150545), (30, 150548), (33, 150638), (35, 150686),

Gene: Valary_9 Start: 4423, Stop: 4731, Start Num: 9

Candidate Starts for Valary_9:

(Start: 9 @4423 has 5 MA's), (10, 4435), (13, 4456), (14, 4468), (15, 4477), (16, 4480), (25, 4558), (31, 4621), (33, 4693),