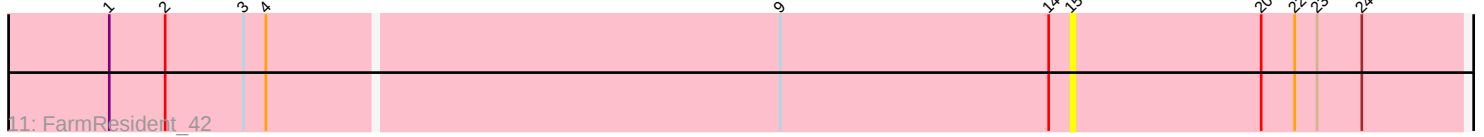
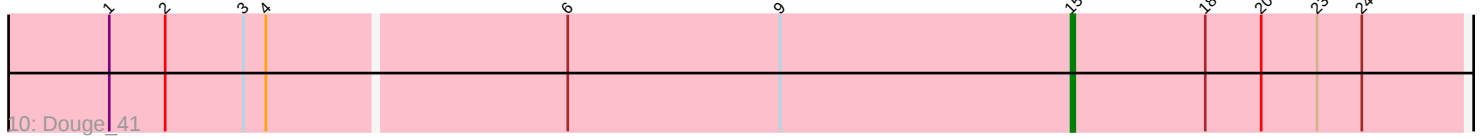
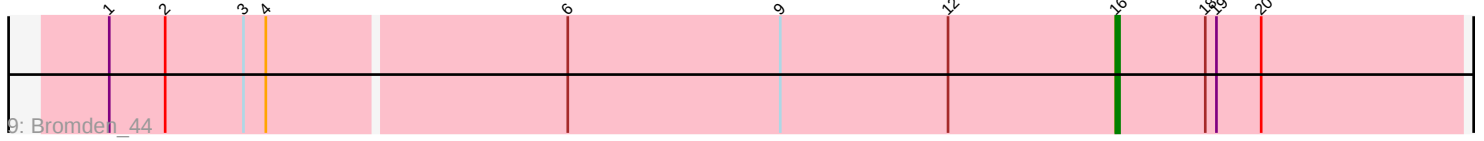
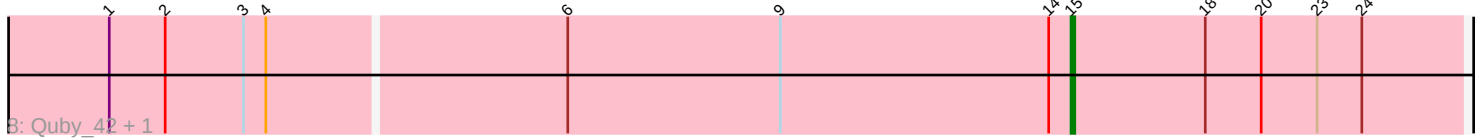
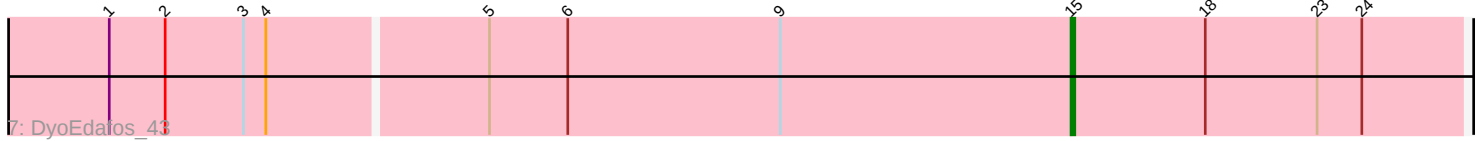
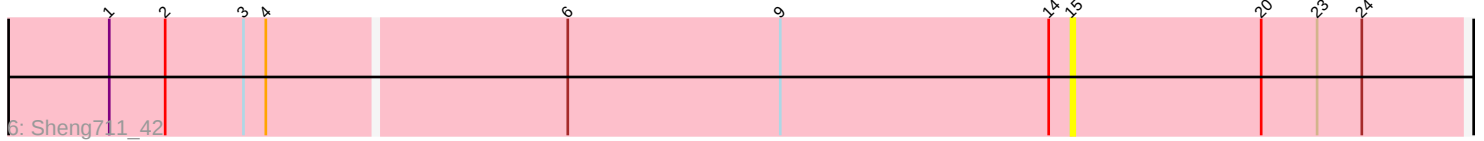
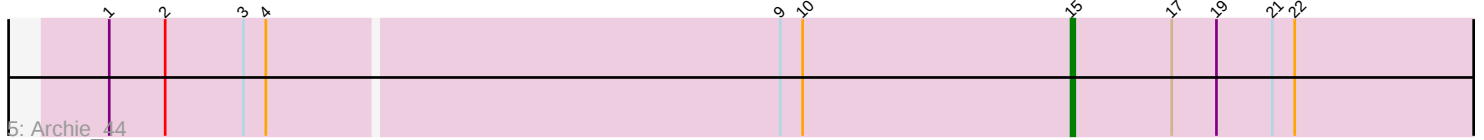
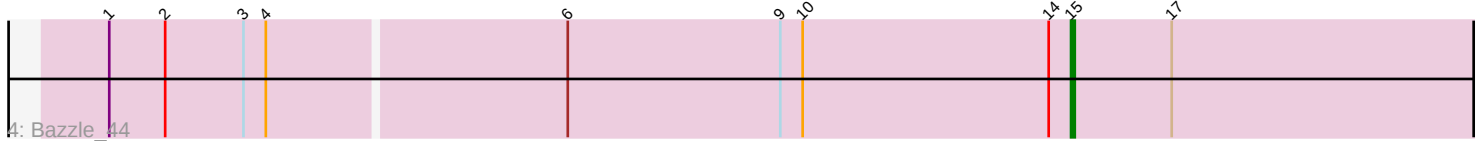
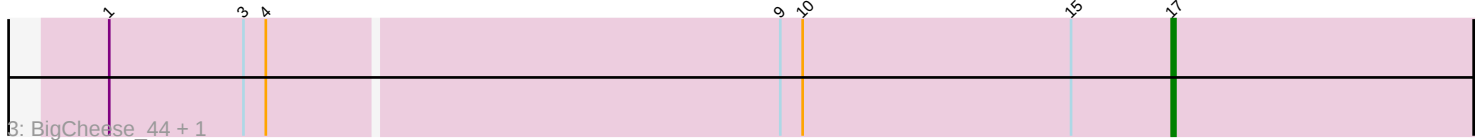
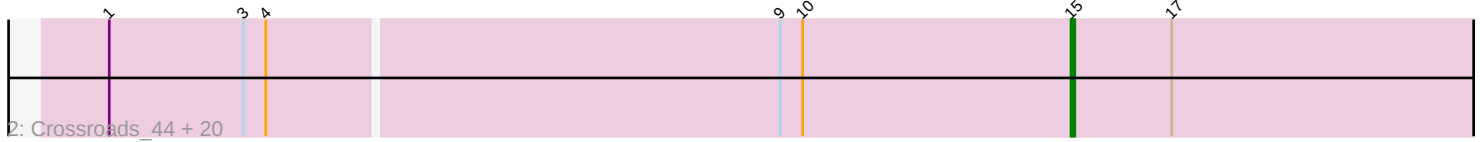
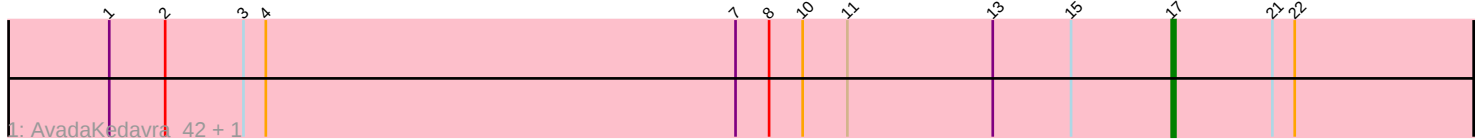


Pham 280669



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 280669 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280669 has 34 members, 3 are drafts.

Phages represented in each track:

- Track 1 : AvadaKedavra_42, Acquire49_42
- Track 2 : Crossroads_44, Vetrix_44, Lewan_44, Finemlucis_44, BobsGarage_44, Gardann_44, Nicholasp3_44, Wilder_44, Faith1_44, Breezona_44, Miley16_44, Gabriela_44, Wigglewiggle_44, Kahlid_44, Underpass_44, Zakai_44, Rumpelstiltskin_44, LilDestine_44, Itos_43, Winky_44, DrSeegs_44
- Track 3 : BigCheese_44, Netyap_44
- Track 4 : Bazzle_44
- Track 5 : Archie_44
- Track 6 : Sheng711_42
- Track 7 : DyoEdafos_43
- Track 8 : Quby_42, Chaser_41
- Track 9 : Bromden_44
- Track 10 : Douge_41
- Track 11 : FarmResident_42

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

The start number called the most often in the published annotations is 15, it was called in 26 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Archie_44, Bazzle_44, BobsGarage_44, Breezona_44, Chaser_41, Crossroads_44, Douge_41, DrSeegs_44, DyoEdafos_43, Faith1_44, FarmResident_42, Finemlucis_44, Gabriela_44, Gardann_44, Itos_43, Kahlid_44, Lewan_44, LilDestine_44, Miley16_44, Nicholasp3_44, Quby_42, Rumpelstiltskin_44, Sheng711_42, Underpass_44, Vetrix_44, Wigglewiggle_44, Wilder_44, Winky_44, Zakai_44,

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

- Acquire49_42, AvadaKedavra_42, BigCheese_44, Netyap_44,

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

- Bromden_44,

Summary by start number:

Start 15:

- Found in 33 of 34 (97.1%) of genes in pham
- Manual Annotations of this start: 26 of 31
- Called 87.9% of time when present
- Phage (with cluster) where this start called: Archie_44 (L2), Bazzle_44 (L2), BobsGarage_44 (L2), Breezona_44 (L2), Chaser_41 (L4), Crossroads_44 (L2), Douge_41 (L4), DrSeegs_44 (L2), DyoEdafos_43 (L4), Faith1_44 (L2), FarmResident_42 (L4), Finemlucis_44 (L2), Gabriela_44 (L2), Gardann_44 (L2), Itos_43 (L2), Kahlid_44 (L2), Lewan_44 (L2), LilDestine_44 (L2), Miley16_44 (L2), Nicholasp3_44 (L2), Quby_42 (L4), Rumpelstiltskin_44 (L2), Sheng711_42 (L4), Underpass_44 (L2), Vetrix_44 (L2), Wigglewiggle_44 (L2), Wilder_44 (L2), Winky_44 (L2), Zakai_44 (L2),

Start 16:

- Found in 1 of 34 (2.9%) of genes in pham
- Manual Annotations of this start: 1 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bromden_44 (L4),

Start 17:

- Found in 27 of 34 (79.4%) of genes in pham
- Manual Annotations of this start: 4 of 31
- Called 14.8% 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 15 was manually annotated 23 times for 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 3 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 26 MA's), (Start: 17 @33945 has 4 MA's), (21, 33972), (22, 33978),

Gene: Archie_44 Start: 35453, Stop: 35563, Start Num: 15

Candidate Starts for Archie_44:

(1, 35198), (2, 35213), (3, 35234), (4, 35240), (9, 35375), (10, 35381), (Start: 15 @35453 has 26 MA's), (Start: 17 @35480 has 4 MA's), (19, 35492), (21, 35507), (22, 35513),

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 26 MA's), (Start: 17 @33954 has 4 MA's), (21, 33981), (22, 33987),

Gene: Bazzle_44 Start: 35485, Stop: 35595, Start Num: 15

Candidate Starts for Bazzle_44:

(1, 35230), (2, 35245), (3, 35266), (4, 35272), (6, 35350), (9, 35407), (10, 35413), (14, 35479), (Start: 15 @35485 has 26 MA's), (Start: 17 @35512 has 4 MA's),

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 26 MA's), (Start: 17 @35276 has 4 MA's),

Gene: BobsGarage_44 Start: 35249, Stop: 35359, Start Num: 15

Candidate Starts for BobsGarage_44:

(1, 34994), (3, 35030), (4, 35036), (9, 35171), (10, 35177), (Start: 15 @35249 has 26 MA's), (Start: 17 @35276 has 4 MA's),

Gene: Breezona_44 Start: 35249, Stop: 35359, Start Num: 15

Candidate Starts for Breezona_44:

(1, 34994), (3, 35030), (4, 35036), (9, 35171), (10, 35177), (Start: 15 @35249 has 26 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 26 MA's), (18, 34032), (20, 34047), (23, 34062), (24, 34074),

Gene: Crossroads_44 Start: 35251, Stop: 35361, Start Num: 15

Candidate Starts for Crossroads_44:

(1, 34996), (3, 35032), (4, 35038), (9, 35173), (10, 35179), (Start: 15 @35251 has 26 MA's), (Start: 17 @35278 has 4 MA's),

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 26 MA's), (18, 33970), (20, 33985), (23, 34000), (24, 34012),

Gene: DrSeegs_44 Start: 35249, Stop: 35359, Start Num: 15

Candidate Starts for DrSeegs_44:

(1, 34994), (3, 35030), (4, 35036), (9, 35171), (10, 35177), (Start: 15 @35249 has 26 MA's), (Start: 17 @35276 has 4 MA's),

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 26 MA's), (18, 34292), (23, 34322), (24, 34334),

Gene: Faith1_44 Start: 35249, Stop: 35359, Start Num: 15

Candidate Starts for Faith1_44:

(1, 34994), (3, 35030), (4, 35036), (9, 35171), (10, 35177), (Start: 15 @35249 has 26 MA's), (Start: 17 @35276 has 4 MA's),

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 26 MA's), (20, 34029), (22, 34038), (23, 34044), (24, 34056),

Gene: Finemlucis_44 Start: 35525, Stop: 35635, Start Num: 15

Candidate Starts for Finemlucis_44:

(1, 35270), (3, 35306), (4, 35312), (9, 35447), (10, 35453), (Start: 15 @35525 has 26 MA's), (Start: 17 @35552 has 4 MA's),

Gene: Gabriela_44 Start: 35511, Stop: 35621, Start Num: 15

Candidate Starts for Gabriela_44:

(1, 35256), (3, 35292), (4, 35298), (9, 35433), (10, 35439), (Start: 15 @35511 has 26 MA's), (Start: 17 @35538 has 4 MA's),

Gene: Gardann_44 Start: 35250, Stop: 35360, Start Num: 15

Candidate Starts for Gardann_44:

(1, 34995), (3, 35031), (4, 35037), (9, 35172), (10, 35178), (Start: 15 @35250 has 26 MA's), (Start: 17 @35277 has 4 MA's),

Gene: Itos_43 Start: 34155, Stop: 34265, Start Num: 15

Candidate Starts for Itos_43:

(1, 33900), (3, 33936), (4, 33942), (9, 34077), (10, 34083), (Start: 15 @34155 has 26 MA's), (Start: 17 @34182 has 4 MA's),

Gene: Kahlid_44 Start: 35255, Stop: 35365, Start Num: 15

Candidate Starts for Kahlid_44:

(1, 35000), (3, 35036), (4, 35042), (9, 35177), (10, 35183), (Start: 15 @35255 has 26 MA's), (Start: 17 @35282 has 4 MA's),

Gene: Lewan_44 Start: 35242, Stop: 35352, Start Num: 15

Candidate Starts for Lewan_44:

(1, 34987), (3, 35023), (4, 35029), (9, 35164), (10, 35170), (Start: 15 @35242 has 26 MA's), (Start: 17 @35269 has 4 MA's),

Gene: LilDestine_44 Start: 35247, Stop: 35357, Start Num: 15

Candidate Starts for LilDestine_44:

(1, 34992), (3, 35028), (4, 35034), (9, 35169), (10, 35175), (Start: 15 @35247 has 26 MA's), (Start: 17 @35274 has 4 MA's),

Gene: Miley16_44 Start: 35249, Stop: 35359, Start Num: 15

Candidate Starts for Miley16_44:

(1, 34994), (3, 35030), (4, 35036), (9, 35171), (10, 35177), (Start: 15 @35249 has 26 MA's), (Start: 17 @35276 has 4 MA's),

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 26 MA's), (Start: 17 @35276 has 4 MA's),

Gene: Nicholasp3_44 Start: 35250, Stop: 35360, Start Num: 15

Candidate Starts for Nicholasp3_44:

(1, 34995), (3, 35031), (4, 35037), (9, 35172), (10, 35178), (Start: 15 @35250 has 26 MA's), (Start: 17 @35277 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 26 MA's), (18, 33970), (20, 33985), (23, 34000), (24, 34012),

Gene: Rumpelstiltskin_44 Start: 35516, Stop: 35626, Start Num: 15

Candidate Starts for Rumpelstiltskin_44:

(1, 35261), (3, 35297), (4, 35303), (9, 35438), (10, 35444), (Start: 15 @35516 has 26 MA's), (Start: 17 @35543 has 4 MA's),

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 26 MA's), (20, 34091), (23, 34106), (24, 34118),

Gene: Underpass_44 Start: 35250, Stop: 35360, Start Num: 15

Candidate Starts for Underpass_44:

(1, 34995), (3, 35031), (4, 35037), (9, 35172), (10, 35178), (Start: 15 @35250 has 26 MA's), (Start: 17 @35277 has 4 MA's),

Gene: Vetrix_44 Start: 35256, Stop: 35366, Start Num: 15

Candidate Starts for Vetrix_44:

(1, 35001), (3, 35037), (4, 35043), (9, 35178), (10, 35184), (Start: 15 @35256 has 26 MA's), (Start: 17 @35283 has 4 MA's),

Gene: Wigglewobble_44 Start: 35282, Stop: 35392, Start Num: 15

Candidate Starts for Wigglewobble_44:

(1, 35027), (3, 35063), (4, 35069), (9, 35204), (10, 35210), (Start: 15 @35282 has 26 MA's), (Start: 17 @35309 has 4 MA's),

Gene: Wilder_44 Start: 35255, Stop: 35365, Start Num: 15

Candidate Starts for Wilder_44:

(1, 35000), (3, 35036), (4, 35042), (9, 35177), (10, 35183), (Start: 15 @35255 has 26 MA's), (Start: 17 @35282 has 4 MA's),

Gene: Winky_44 Start: 35249, Stop: 35359, Start Num: 15

Candidate Starts for Winky_44:

(1, 34994), (3, 35030), (4, 35036), (9, 35171), (10, 35177), (Start: 15 @35249 has 26 MA's), (Start: 17 @35276 has 4 MA's),

Gene: Zakai_44 Start: 35507, Stop: 35617, Start Num: 15

Candidate Starts for Zakai_44:

(1, 35252), (3, 35288), (4, 35294), (9, 35429), (10, 35435), (Start: 15 @35507 has 26 MA's), (Start: 17 @35534 has 4 MA's),