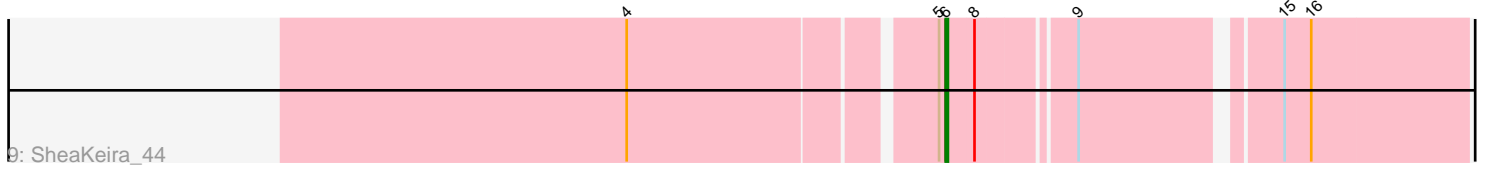
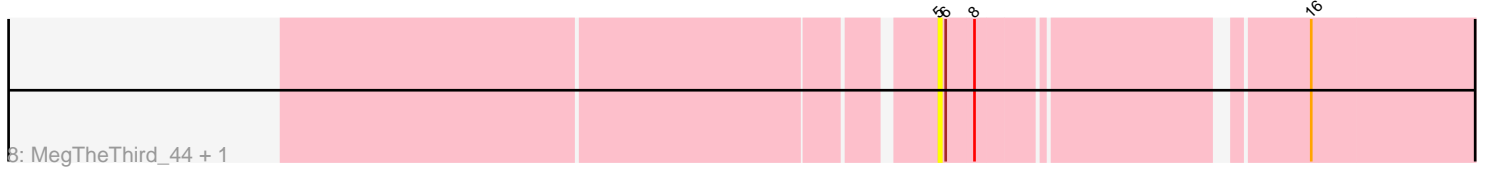
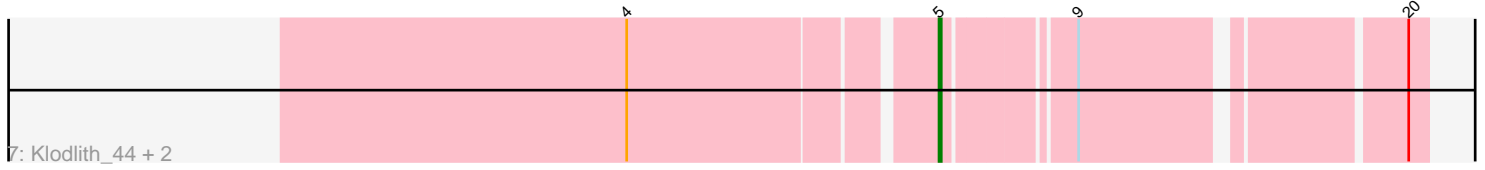
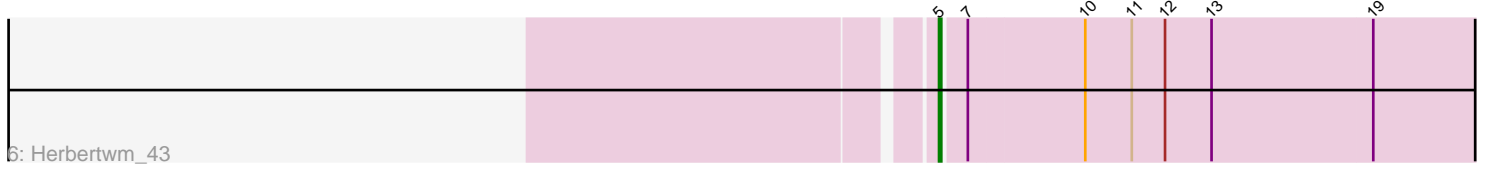
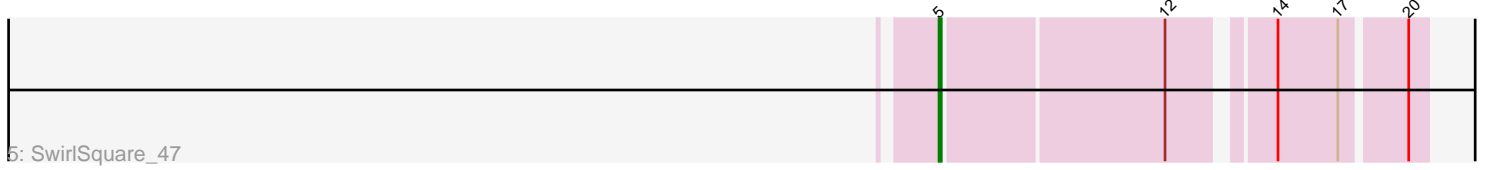
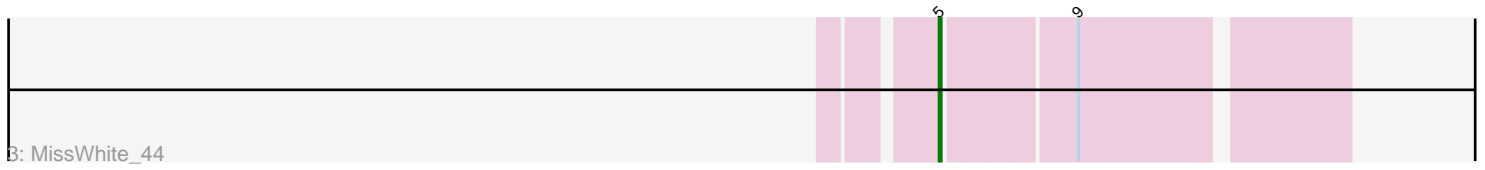
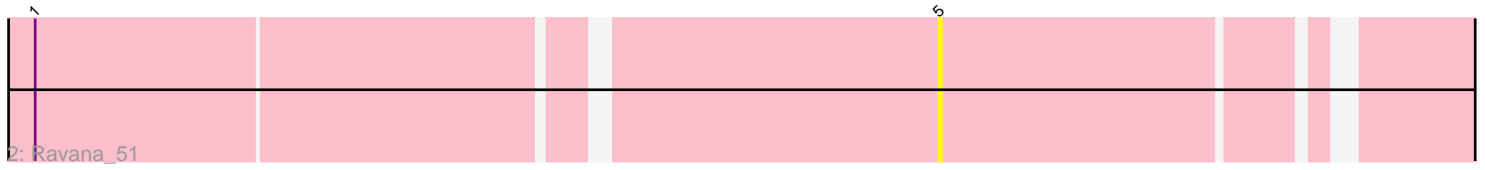
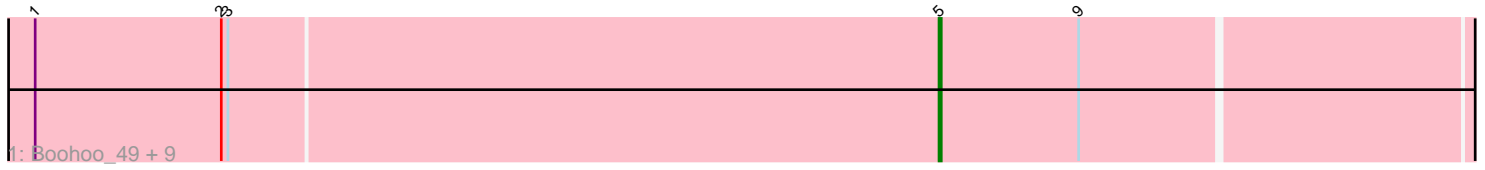


Pham 296942



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 296942 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296942 has 21 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Boohoo_49, DekHockey33_49, Anaysia_49, ShayRa_50, LastResort_48, Looper_49, ReMo_48, KatherineG_50, Soups_49, Nebulosus_48
- Track 2 : Ravana_51
- Track 3 : MissWhite_44
- Track 4 : BabyBack_44
- Track 5 : SwirlSquare_47
- Track 6 : Herbertwm_43
- Track 7 : Klodlith_44, Charm_43, DreamTeam1_43
- Track 8 : MegTheThird_44, Celestiallunch_44
- Track 9 : SheaKeira_44

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

The start number called the most often in the published annotations is 5, it was called in 15 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anaysia_49, Boohoo_49, Celestiallunch_44, Charm_43, DekHockey33_49, DreamTeam1_43, Herbertwm_43, KatherineG_50, Klodlith_44, LastResort_48, Looper_49, MegTheThird_44, MissWhite_44, Nebulosus_48, Ravana_51, ReMo_48, ShayRa_50, Soups_49, SwirlSquare_47,

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

- SheaKeira_44,

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

- BabyBack_44,

Summary by start number:

Start 5:

- Found in 20 of 21 (95.2%) of genes in pham
- Manual Annotations of this start: 15 of 17
- Called 95.0% of time when present

- Phage (with cluster) where this start called: Anaysia_49 (A15), Boohoo_49 (A15), Celestiallunch_44 (A9), Charm_43 (A9), DekHockey33_49 (A15), DreamTeam1_43 (A9), Herbertwm_43 (A2), KatherineG_50 (A15), Klodlith_44 (A9), LastResort_48 (A15), Looper_49 (A15), MegTheThird_44 (A9), MissWhite_44 (A2), Nebulosus_48 (A15), Ravana_51 (A15), ReMo_48 (A15), ShayRa_50 (A15), Soups_49 (A15), SwirlSquare_47 (A2),

Start 6:

- Found in 4 of 21 (19.0%) of genes in pham
- Manual Annotations of this start: 2 of 17
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BabyBack_44 (A2), SheaKeira_44 (A9),

Summary by clusters:

There are 3 clusters represented in this pham: A15, A9, A2,

Info for manual annotations of cluster A15:

- Start number 5 was manually annotated 10 times for cluster A15.

Info for manual annotations of cluster A2:

- Start number 5 was manually annotated 3 times for cluster A2.
- Start number 6 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A9:

- Start number 5 was manually annotated 2 times for cluster A9.
- Start number 6 was manually annotated 1 time for cluster A9.

Gene Information:

Gene: Anaysia_49 Start: 30563, Stop: 30327, Start Num: 5

Candidate Starts for Anaysia_49:

(1, 30968), (2, 30884), (3, 30881), (Start: 5 @30563 has 15 MA's), (9, 30500),

Gene: BabyBack_44 Start: 32081, Stop: 31851, Start Num: 6

Candidate Starts for BabyBack_44:

(4, 32216), (Start: 6 @32081 has 2 MA's), (9, 32027), (12, 31988), (18, 31913),

Gene: Boohoo_49 Start: 30563, Stop: 30327, Start Num: 5

Candidate Starts for Boohoo_49:

(1, 30968), (2, 30884), (3, 30881), (Start: 5 @30563 has 15 MA's), (9, 30500),

Gene: Celestiallunch_44 Start: 31007, Stop: 30789, Start Num: 5

Candidate Starts for Celestiallunch_44:

(Start: 5 @31007 has 15 MA's), (Start: 6 @31004 has 2 MA's), (8, 30992), (16, 30860),

Gene: Charm_43 Start: 31035, Stop: 30844, Start Num: 5

Candidate Starts for Charm_43:

(4, 31164), (Start: 5 @31035 has 15 MA's), (9, 30984), (20, 30852),

Gene: DekHockey33_49 Start: 30778, Stop: 30542, Start Num: 5

Candidate Starts for DekHockey33_49:
(1, 31183), (2, 31099), (3, 31096), (Start: 5 @30778 has 15 MA's), (9, 30715),

Gene: DreamTeam1_43 Start: 30909, Stop: 30718, Start Num: 5
Candidate Starts for DreamTeam1_43:
(4, 31038), (Start: 5 @30909 has 15 MA's), (9, 30858), (20, 30726),

Gene: Herbertwm_43 Start: 30942, Stop: 30700, Start Num: 5
Candidate Starts for Herbertwm_43:
(Start: 5 @30942 has 15 MA's), (7, 30933), (10, 30882), (11, 30861), (12, 30846), (13, 30825), (19, 30753),

Gene: KatherineG_50 Start: 30778, Stop: 30542, Start Num: 5
Candidate Starts for KatherineG_50:
(1, 31183), (2, 31099), (3, 31096), (Start: 5 @30778 has 15 MA's), (9, 30715),

Gene: Klodlith_44 Start: 30926, Stop: 30735, Start Num: 5
Candidate Starts for Klodlith_44:
(4, 31055), (Start: 5 @30926 has 15 MA's), (9, 30875), (20, 30743),

Gene: LastResort_48 Start: 30339, Stop: 30103, Start Num: 5
Candidate Starts for LastResort_48:
(1, 30744), (2, 30660), (3, 30657), (Start: 5 @30339 has 15 MA's), (9, 30276),

Gene: Looper_49 Start: 30316, Stop: 30080, Start Num: 5
Candidate Starts for Looper_49:
(1, 30721), (2, 30637), (3, 30634), (Start: 5 @30316 has 15 MA's), (9, 30253),

Gene: MegTheThird_44 Start: 31006, Stop: 30788, Start Num: 5
Candidate Starts for MegTheThird_44:
(Start: 5 @31006 has 15 MA's), (Start: 6 @31003 has 2 MA's), (8, 30991), (16, 30859),

Gene: MissWhite_44 Start: 29921, Stop: 29754, Start Num: 5
Candidate Starts for MissWhite_44:
(Start: 5 @29921 has 15 MA's), (9, 29867),

Gene: Nebulosus_48 Start: 30335, Stop: 30099, Start Num: 5
Candidate Starts for Nebulosus_48:
(1, 30740), (2, 30656), (3, 30653), (Start: 5 @30335 has 15 MA's), (9, 30272),

Gene: Ravana_51 Start: 30946, Stop: 30728, Start Num: 5
Candidate Starts for Ravana_51:
(1, 31333), (Start: 5 @30946 has 15 MA's),

Gene: ReMo_48 Start: 30336, Stop: 30100, Start Num: 5
Candidate Starts for ReMo_48:
(1, 30741), (2, 30657), (3, 30654), (Start: 5 @30336 has 15 MA's), (9, 30273),

Gene: ShayRa_50 Start: 30540, Stop: 30304, Start Num: 5
Candidate Starts for ShayRa_50:
(1, 30945), (2, 30861), (3, 30858), (Start: 5 @30540 has 15 MA's), (9, 30477),

Gene: SheaKeira_44 Start: 31011, Stop: 30799, Start Num: 6

Candidate Starts for SheaKeira_44:

(4, 31143), (Start: 5 @31014 has 15 MA's), (Start: 6 @31011 has 2 MA's), (8, 30999), (9, 30960), (15, 30879), (16, 30867),

Gene: Soups_49 Start: 30539, Stop: 30303, Start Num: 5

Candidate Starts for Soups_49:

(1, 30944), (2, 30860), (3, 30857), (Start: 5 @30539 has 15 MA's), (9, 30476),

Gene: SwirlSquare_47 Start: 30451, Stop: 30257, Start Num: 5

Candidate Starts for SwirlSquare_47:

(Start: 5 @30451 has 15 MA's), (12, 30358), (14, 30319), (17, 30292), (20, 30265),