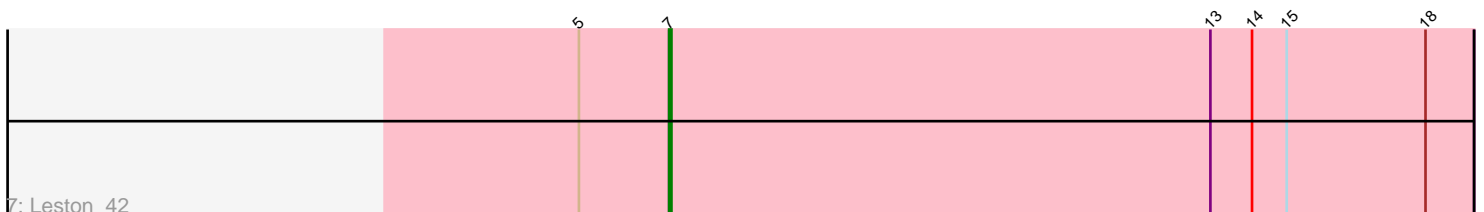
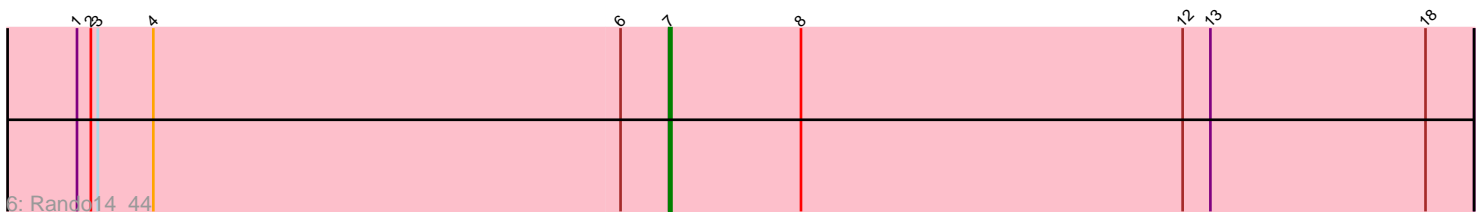
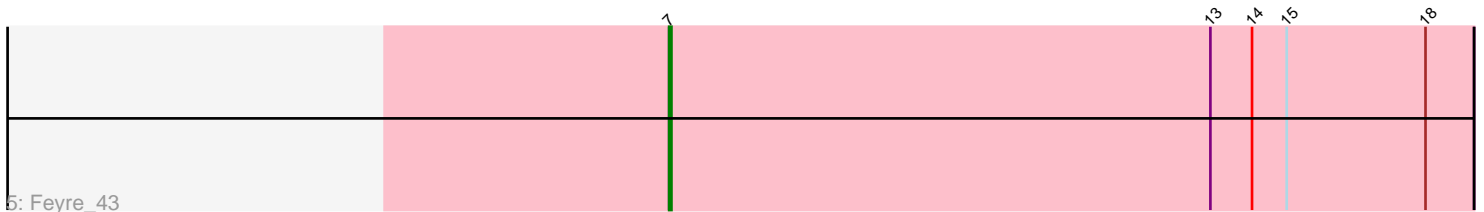
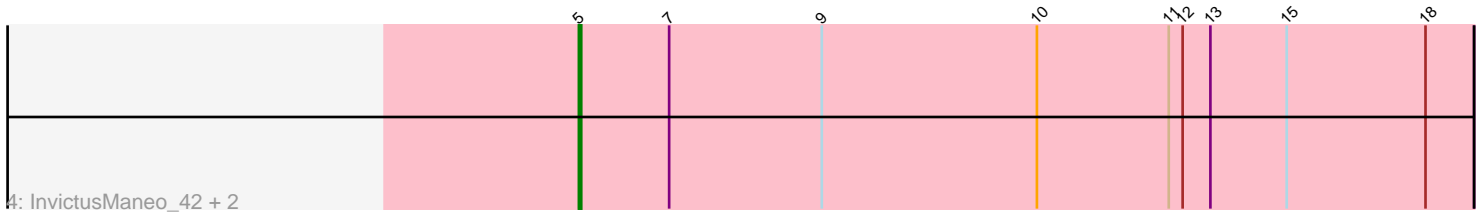
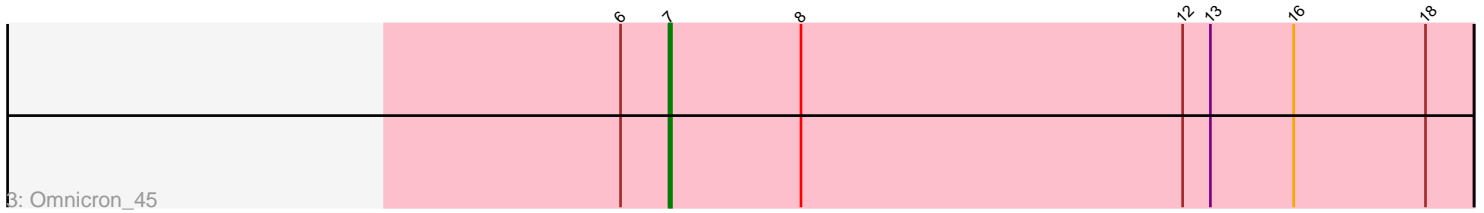
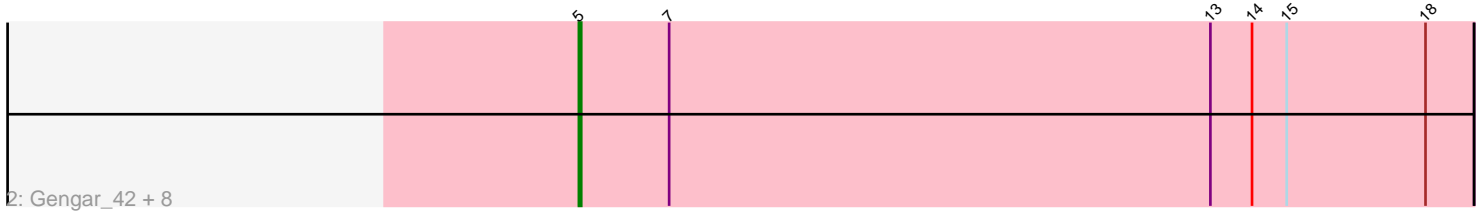
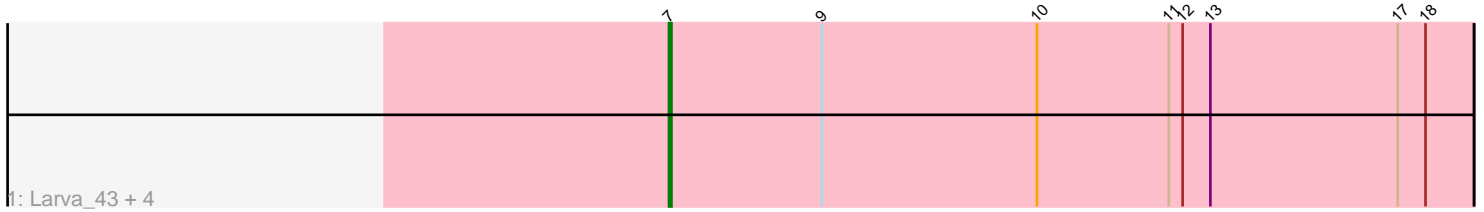


Pham 163924



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 163924 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163924 has 21 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Larva_43, Psycho_43, Edugator_42, AlleyCat_43, Dadosky_43
- Track 2 : Gengar_42, Waterfoul_43, OkiRoe_42, SoSeph_42, Miryou_45, Thyatira_44, Guillsminger_43, Heftyboy_42, Paola_42
- Track 3 : Omnicron_45
- Track 4 : InvictusManeo_42, Collard_42, Kratio_41
- Track 5 : Feyre_43
- Track 6 : Rando14_44
- Track 7 : Leston_42

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 11 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Collard_42, Gengar_42, Guillsminger_43, Heftyboy_42, InvictusManeo_42, Kratio_41, Miryou_45, OkiRoe_42, Paola_42, SoSeph_42, Thyatira_44, Waterfoul_43,

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

- Leston_42,

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

- AlleyCat_43, Dadosky_43, Edugator_42, Feyre_43, Larva_43, Omnicron_45, Psycho_43, Rando14_44,

Summary by start number:

Start 5:

- Found in 13 of 21 (61.9%) of genes in pham
- Manual Annotations of this start: 11 of 20
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Collard_42 (K5), Gengar_42 (K5), Guillsminger_43 (K5), Heftyboy_42 (K5), InvictusManeo_42 (K5), Kratio_41 (K5),

Miryoun_45 (K5), OkiRoe_42 (K5), Paola_42 (K5), SoSeph_42 (K5), Thyatira_44 (K5), Waterfoul_43 (K5),

Start 7:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 20
- Called 42.9% of time when present
- Phage (with cluster) where this start called: AlleyCat_43 (K5), Dadosky_43 (K5), Edugator_42 (K5), Feyre_43 (K5), Larva_43 (K5), Leston_42 (K5), Omnicron_45 (K5), Psycho_43 (K5), Rando14_44 (K5),

Summary by clusters:

There is one cluster represented in this pham: K5

Info for manual annotations of cluster K5:

- Start number 5 was manually annotated 11 times for cluster K5.
- Start number 7 was manually annotated 9 times for cluster K5.

Gene Information:

Gene: AlleyCat_43 Start: 34517, Stop: 34864, Start Num: 7

Candidate Starts for AlleyCat_43:

(Start: 7 @34517 has 9 MA's), (9, 34583), (10, 34676), (11, 34733), (12, 34739), (13, 34751), (17, 34832), (18, 34844),

Gene: Collard_42 Start: 34585, Stop: 34971, Start Num: 5

Candidate Starts for Collard_42:

(Start: 5 @34585 has 11 MA's), (Start: 7 @34624 has 9 MA's), (9, 34690), (10, 34783), (11, 34840), (12, 34846), (13, 34858), (15, 34891), (18, 34951),

Gene: Dadosky_43 Start: 34519, Stop: 34866, Start Num: 7

Candidate Starts for Dadosky_43:

(Start: 7 @34519 has 9 MA's), (9, 34585), (10, 34678), (11, 34735), (12, 34741), (13, 34753), (17, 34834), (18, 34846),

Gene: Edugator_42 Start: 34944, Stop: 35291, Start Num: 7

Candidate Starts for Edugator_42:

(Start: 7 @34944 has 9 MA's), (9, 35010), (10, 35103), (11, 35160), (12, 35166), (13, 35178), (17, 35259), (18, 35271),

Gene: Feyre_43 Start: 35869, Stop: 36216, Start Num: 7

Candidate Starts for Feyre_43:

(Start: 7 @35869 has 9 MA's), (13, 36103), (14, 36121), (15, 36136), (18, 36196),

Gene: Gengar_42 Start: 34445, Stop: 34831, Start Num: 5

Candidate Starts for Gengar_42:

(Start: 5 @34445 has 11 MA's), (Start: 7 @34484 has 9 MA's), (13, 34718), (14, 34736), (15, 34751), (18, 34811),

Gene: Guillsminger_43 Start: 34416, Stop: 34802, Start Num: 5

Candidate Starts for Guillsminger_43:

(Start: 5 @34416 has 11 MA's), (Start: 7 @34455 has 9 MA's), (13, 34689), (14, 34707), (15, 34722), (18, 34782),

Gene: Heftyboy_42 Start: 34566, Stop: 34952, Start Num: 5

Candidate Starts for Heftyboy_42:

(Start: 5 @34566 has 11 MA's), (Start: 7 @34605 has 9 MA's), (13, 34839), (14, 34857), (15, 34872), (18, 34932),

Gene: InvictusManeo_42 Start: 34628, Stop: 35014, Start Num: 5

Candidate Starts for InvictusManeo_42:

(Start: 5 @34628 has 11 MA's), (Start: 7 @34667 has 9 MA's), (9, 34733), (10, 34826), (11, 34883), (12, 34889), (13, 34901), (15, 34934), (18, 34994),

Gene: Kratio_41 Start: 34179, Stop: 34565, Start Num: 5

Candidate Starts for Kratio_41:

(Start: 5 @34179 has 11 MA's), (Start: 7 @34218 has 9 MA's), (9, 34284), (10, 34377), (11, 34434), (12, 34440), (13, 34452), (15, 34485), (18, 34545),

Gene: Larva_43 Start: 34386, Stop: 34733, Start Num: 7

Candidate Starts for Larva_43:

(Start: 7 @34386 has 9 MA's), (9, 34452), (10, 34545), (11, 34602), (12, 34608), (13, 34620), (17, 34701), (18, 34713),

Gene: Leston_42 Start: 34584, Stop: 34931, Start Num: 7

Candidate Starts for Leston_42:

(Start: 5 @34545 has 11 MA's), (Start: 7 @34584 has 9 MA's), (13, 34818), (14, 34836), (15, 34851), (18, 34911),

Gene: Miryou_45 Start: 36748, Stop: 37134, Start Num: 5

Candidate Starts for Miryou_45:

(Start: 5 @36748 has 11 MA's), (Start: 7 @36787 has 9 MA's), (13, 37021), (14, 37039), (15, 37054), (18, 37114),

Gene: OkiRoe_42 Start: 34418, Stop: 34804, Start Num: 5

Candidate Starts for OkiRoe_42:

(Start: 5 @34418 has 11 MA's), (Start: 7 @34457 has 9 MA's), (13, 34691), (14, 34709), (15, 34724), (18, 34784),

Gene: Omnicron_45 Start: 34067, Stop: 34414, Start Num: 7

Candidate Starts for Omnicron_45:

(6, 34046), (Start: 7 @34067 has 9 MA's), (8, 34124), (12, 34289), (13, 34301), (16, 34337), (18, 34394),

Gene: Paola_42 Start: 34416, Stop: 34802, Start Num: 5

Candidate Starts for Paola_42:

(Start: 5 @34416 has 11 MA's), (Start: 7 @34455 has 9 MA's), (13, 34689), (14, 34707), (15, 34722), (18, 34782),

Gene: Psycho_43 Start: 34516, Stop: 34863, Start Num: 7

Candidate Starts for Psycho_43:

(Start: 7 @34516 has 9 MA's), (9, 34582), (10, 34675), (11, 34732), (12, 34738), (13, 34750), (17, 34831), (18, 34843),

Gene: Rando14_44 Start: 33637, Stop: 33984, Start Num: 7

Candidate Starts for Rando14_44:

(1, 33382), (2, 33388), (3, 33391), (4, 33415), (6, 33616), (Start: 7 @33637 has 9 MA's), (8, 33694), (12, 33859), (13, 33871), (18, 33964),

Gene: SoSeph_42 Start: 34566, Stop: 34952, Start Num: 5

Candidate Starts for SoSeph_42:

(Start: 5 @34566 has 11 MA's), (Start: 7 @34605 has 9 MA's), (13, 34839), (14, 34857), (15, 34872), (18, 34932),

Gene: Thyatira_44 Start: 36765, Stop: 37151, Start Num: 5

Candidate Starts for Thyatira_44:

(Start: 5 @36765 has 11 MA's), (Start: 7 @36804 has 9 MA's), (13, 37038), (14, 37056), (15, 37071), (18, 37131),

Gene: Waterfoul_43 Start: 34659, Stop: 35045, Start Num: 5

Candidate Starts for Waterfoul_43:

(Start: 5 @34659 has 11 MA's), (Start: 7 @34698 has 9 MA's), (13, 34932), (14, 34950), (15, 34965), (18, 35025),