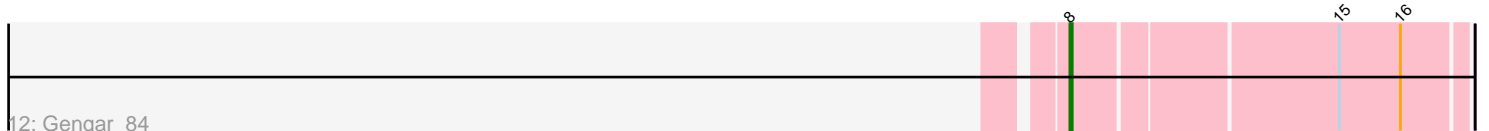
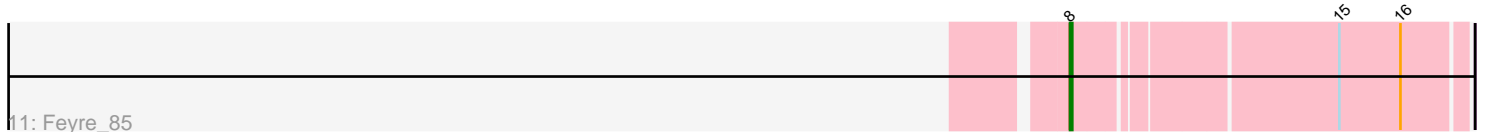
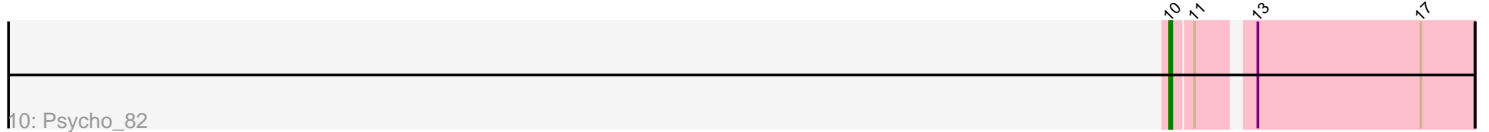
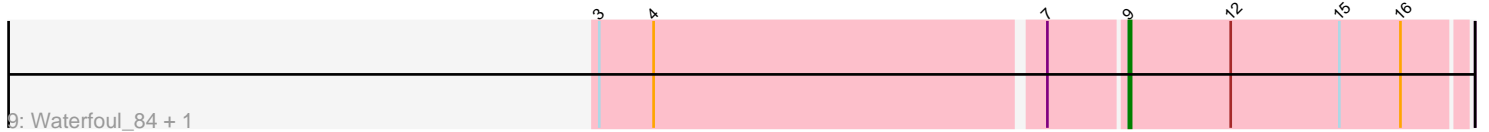
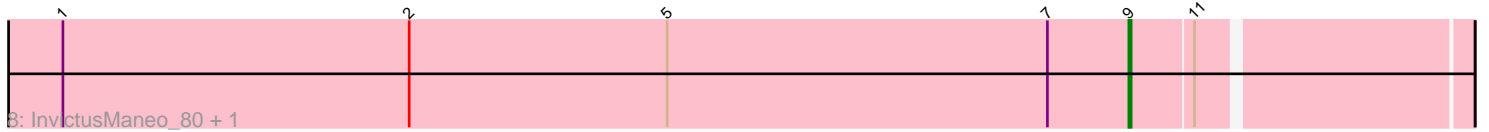
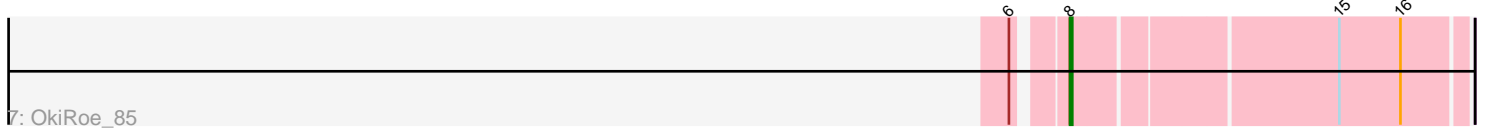
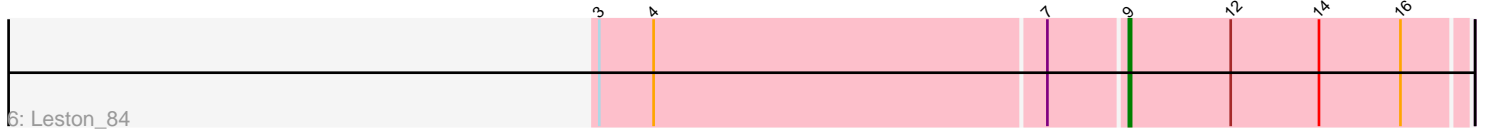
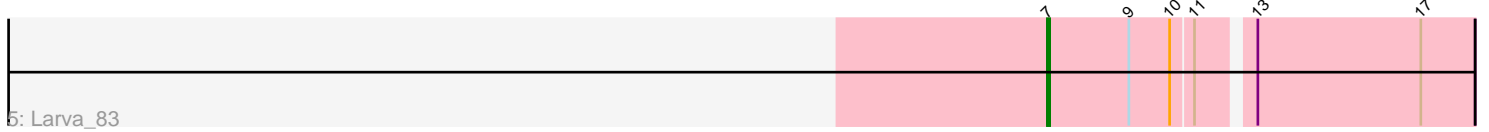
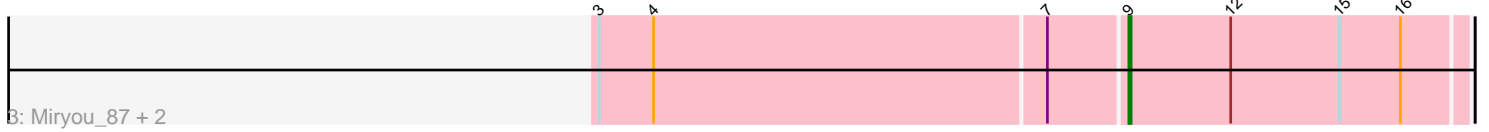
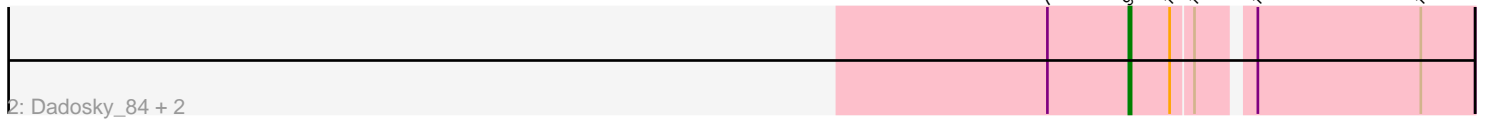
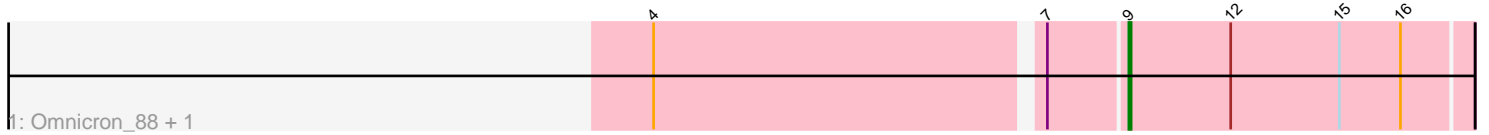


Pham 156662



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 156662 Report

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

Pham number 156662 has 21 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Omnicron_88, Rando14_85
- Track 2 : Dadosky_84, AlleyCat_84, Kratio_84
- Track 3 : Miryou_87, Paola_84, Guillsminger_85
- Track 4 : SoSeph_83, Collard_81, Heftyboy_83
- Track 5 : Larva_83
- Track 6 : Leston_84
- Track 7 : OkiRoe_85
- Track 8 : InvictusManeo_80, Agent47_80
- Track 9 : Waterfoul_84, Thyatira_85
- Track 10 : Psycho_82
- Track 11 : Feyre_85
- Track 12 : Gengar_84

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 14 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agent47_80, AlleyCat_84, Collard_81, Dadosky_84, Guillsminger_85, Heftyboy_83, InvictusManeo_80, Kratio_84, Leston_84, Miryou_87, Omnicron_88, Paola_84, Rando14_85, SoSeph_83, Thyatira_85, Waterfoul_84,

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

- Larva_83,

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

- Feyre_85, Gengar_84, OkiRoe_85, Psycho_82,

Summary by start number:

Start 7:

- Found in 17 of 21 (81.0%) of genes in pham
- Manual Annotations of this start: 1 of 19

- Called 5.9% of time when present
- Phage (with cluster) where this start called: Larva_83 (K5),

Start 8:

- Found in 3 of 21 (14.3%) of genes in pham
- Manual Annotations of this start: 3 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Feyre_85 (K5), Gengar_84 (K5), OkiRoe_85 (K5),

Start 9:

- Found in 17 of 21 (81.0%) of genes in pham
- Manual Annotations of this start: 14 of 19
- Called 94.1% of time when present
- Phage (with cluster) where this start called: Agent47_80 (K5), AlleyCat_84 (K5), Collard_81 (K5), Dadosky_84 (K5), Guillsminger_85 (K5), Heftyboy_83 (K5), InvictusManeo_80 (K5), Kratio_84 (K5), Leston_84 (K5), Miryou_87 (K5), Omnicron_88 (K5), Paola_84 (K5), Rando14_85 (K5), SoSeph_83 (K5), Thyatira_85 (K5), Waterfoul_84 (K5),

Start 10:

- Found in 5 of 21 (23.8%) of genes in pham
- Manual Annotations of this start: 1 of 19
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Psycho_82 (K5),

Summary by clusters:

There is one cluster represented in this pham: K5

Info for manual annotations of cluster K5:

- Start number 7 was manually annotated 1 time for cluster K5.
- Start number 8 was manually annotated 3 times for cluster K5.
- Start number 9 was manually annotated 14 times for cluster K5.
- Start number 10 was manually annotated 1 time for cluster K5.

Gene Information:

Gene: Agent47_80 Start: 53328, Stop: 53468, Start Num: 9

Candidate Starts for Agent47_80:

(1, 52857), (2, 53010), (5, 53124), (Start: 7 @53292 has 1 MA's), (Start: 9 @53328 has 14 MA's), (11, 53355),

Gene: AlleyCat_84 Start: 54468, Stop: 54611, Start Num: 9

Candidate Starts for AlleyCat_84:

(Start: 7 @54432 has 1 MA's), (Start: 9 @54468 has 14 MA's), (Start: 10 @54486 has 1 MA's), (11, 54495), (13, 54516), (17, 54588),

Gene: Collard_81 Start: 53578, Stop: 53718, Start Num: 9

Candidate Starts for Collard_81:

(Start: 7 @53542 has 1 MA's), (Start: 9 @53578 has 14 MA's), (11, 53605),

Gene: Dadosky_84 Start: 54469, Stop: 54612, Start Num: 9
Candidate Starts for Dadosky_84:
(Start: 7 @54433 has 1 MA's), (Start: 9 @54469 has 14 MA's), (Start: 10 @54487 has 1 MA's), (11, 54496), (13, 54517), (17, 54589),

Gene: Feyre_85 Start: 56970, Stop: 57128, Start Num: 8
Candidate Starts for Feyre_85:
(Start: 8 @56970 has 3 MA's), (15, 57075), (16, 57102),

Gene: Gengar_84 Start: 55837, Stop: 55998, Start Num: 8
Candidate Starts for Gengar_84:
(Start: 8 @55837 has 3 MA's), (15, 55945), (16, 55972),

Gene: Guillsminger_85 Start: 55691, Stop: 55837, Start Num: 9
Candidate Starts for Guillsminger_85:
(3, 55463), (4, 55487), (Start: 7 @55658 has 1 MA's), (Start: 9 @55691 has 14 MA's), (12, 55736), (15, 55784), (16, 55811),

Gene: Heftyboy_83 Start: 55305, Stop: 55445, Start Num: 9
Candidate Starts for Heftyboy_83:
(Start: 7 @55269 has 1 MA's), (Start: 9 @55305 has 14 MA's), (11, 55332),

Gene: InvictusManeo_80 Start: 53332, Stop: 53472, Start Num: 9
Candidate Starts for InvictusManeo_80:
(1, 52861), (2, 53014), (5, 53128), (Start: 7 @53296 has 1 MA's), (Start: 9 @53332 has 14 MA's), (11, 53359),

Gene: Kratio_84 Start: 54363, Stop: 54506, Start Num: 9
Candidate Starts for Kratio_84:
(Start: 7 @54327 has 1 MA's), (Start: 9 @54363 has 14 MA's), (Start: 10 @54381 has 1 MA's), (11, 54390), (13, 54411), (17, 54483),

Gene: Larva_83 Start: 55305, Stop: 55484, Start Num: 7
Candidate Starts for Larva_83:
(Start: 7 @55305 has 1 MA's), (Start: 9 @55341 has 14 MA's), (Start: 10 @55359 has 1 MA's), (11, 55368), (13, 55389), (17, 55461),

Gene: Leston_84 Start: 55808, Stop: 55954, Start Num: 9
Candidate Starts for Leston_84:
(3, 55580), (4, 55604), (Start: 7 @55775 has 1 MA's), (Start: 9 @55808 has 14 MA's), (12, 55853), (14, 55892), (16, 55928),

Gene: Miryou_87 Start: 57666, Stop: 57812, Start Num: 9
Candidate Starts for Miryou_87:
(3, 57438), (4, 57462), (Start: 7 @57633 has 1 MA's), (Start: 9 @57666 has 14 MA's), (12, 57711), (15, 57759), (16, 57786),

Gene: OkiRoe_85 Start: 56800, Stop: 56961, Start Num: 8
Candidate Starts for OkiRoe_85:
(6, 56782), (Start: 8 @56800 has 3 MA's), (15, 56908), (16, 56935),

Gene: Omnicron_88 Start: 57883, Stop: 58032, Start Num: 9

Candidate Starts for Omnicron_88:

(4, 57685), (Start: 7 @57850 has 1 MA's), (Start: 9 @57883 has 14 MA's), (12, 57928), (15, 57976), (16, 58003),

Gene: Paola_84 Start: 55691, Stop: 55837, Start Num: 9

Candidate Starts for Paola_84:

(3, 55463), (4, 55487), (Start: 7 @55658 has 1 MA's), (Start: 9 @55691 has 14 MA's), (12, 55736), (15, 55784), (16, 55811),

Gene: Psycho_82 Start: 54484, Stop: 54609, Start Num: 10

Candidate Starts for Psycho_82:

(Start: 10 @54484 has 1 MA's), (11, 54493), (13, 54514), (17, 54586),

Gene: Rando14_85 Start: 56294, Stop: 56443, Start Num: 9

Candidate Starts for Rando14_85:

(4, 56096), (Start: 7 @56261 has 1 MA's), (Start: 9 @56294 has 14 MA's), (12, 56339), (15, 56387), (16, 56414),

Gene: SoSeph_83 Start: 55305, Stop: 55445, Start Num: 9

Candidate Starts for SoSeph_83:

(Start: 7 @55269 has 1 MA's), (Start: 9 @55305 has 14 MA's), (11, 55332),

Gene: Thyatira_85 Start: 57400, Stop: 57546, Start Num: 9

Candidate Starts for Thyatira_85:

(3, 57175), (4, 57199), (Start: 7 @57367 has 1 MA's), (Start: 9 @57400 has 14 MA's), (12, 57445), (15, 57493), (16, 57520),

Gene: Waterfoul_84 Start: 55470, Stop: 55616, Start Num: 9

Candidate Starts for Waterfoul_84:

(3, 55245), (4, 55269), (Start: 7 @55437 has 1 MA's), (Start: 9 @55470 has 14 MA's), (12, 55515), (15, 55563), (16, 55590),