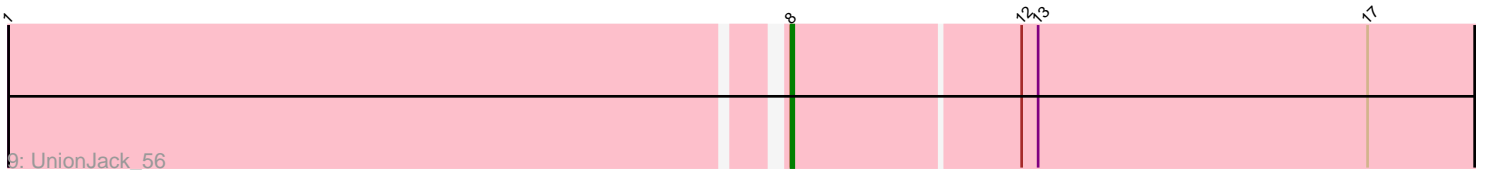
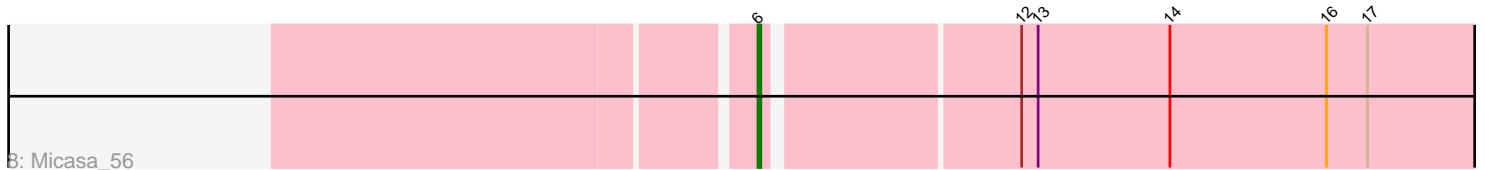
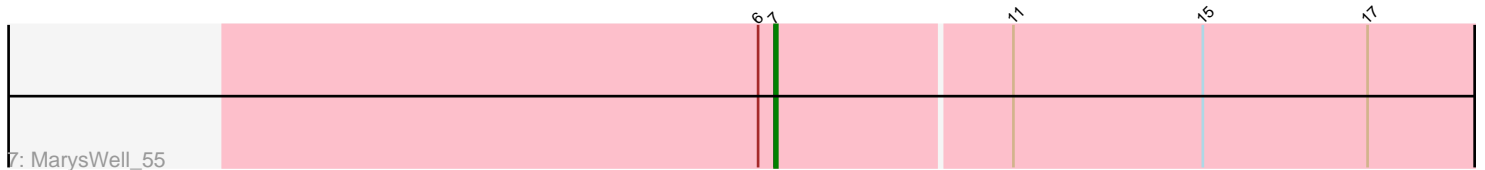
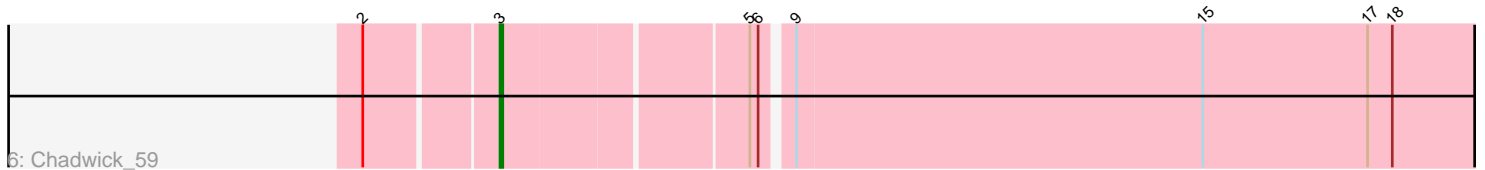
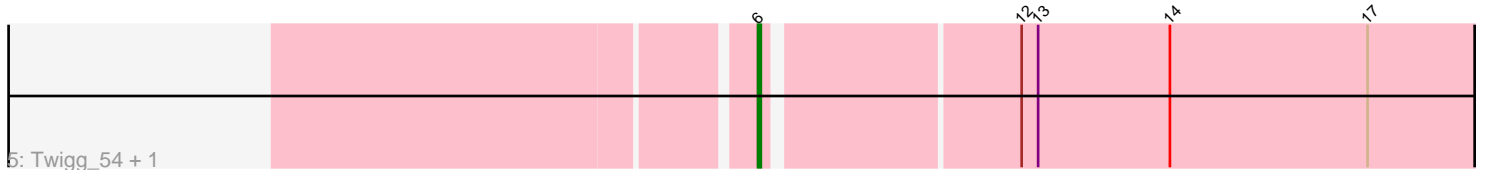
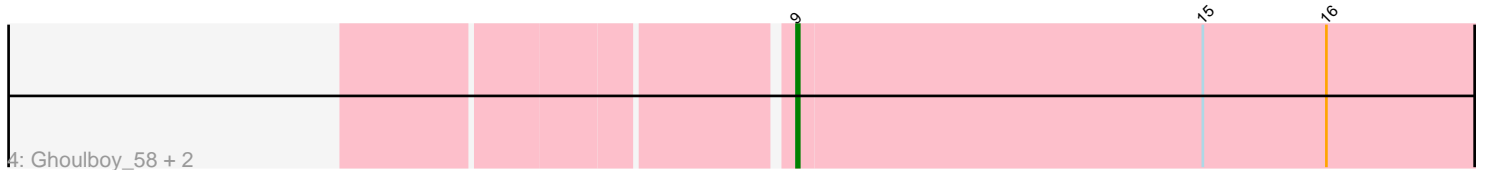
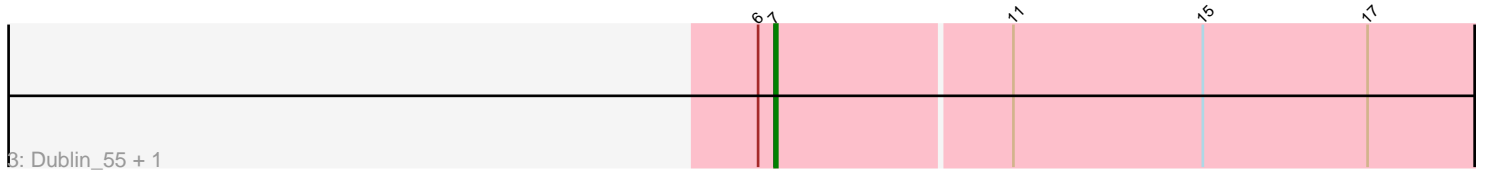
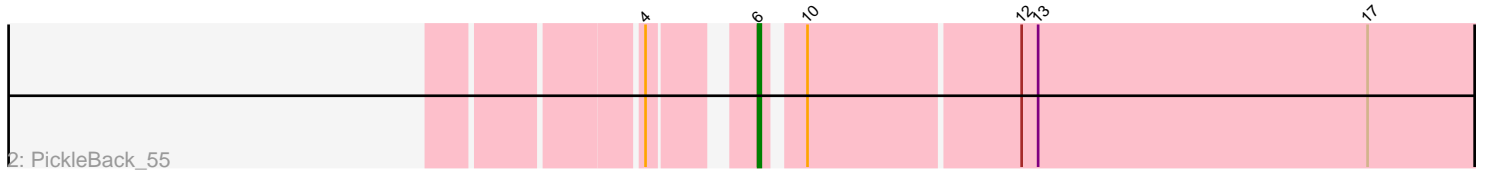
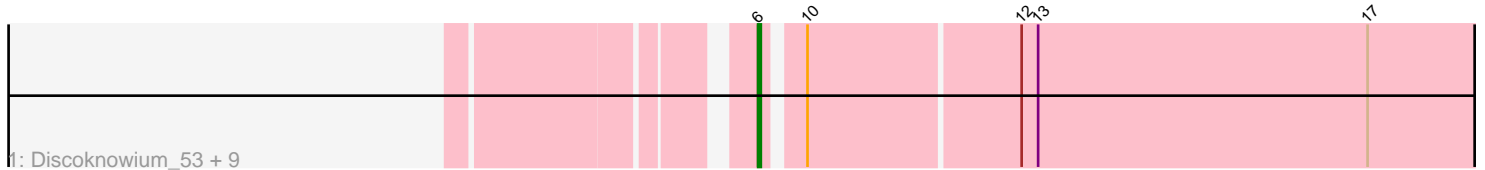


Pham 203288



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 203288 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203288 has 22 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Discoknowium_53, Jovo_55, Lev2_55, Archetta_54, Conspiracy_55, ForGetIt_55, Tiger_54, AgentM_54, Aragog_54, Phlorence_53
- Track 2 : PickleBack_55
- Track 3 : Dublin_55, Theia_54
- Track 4 : Ghoulboy_58, SydNat_58, Zolita_57
- Track 5 : Twigg_54, Tarynearal_53
- Track 6 : Chadwick_59
- Track 7 : MarysWell_55
- Track 8 : Micasa_56
- Track 9 : UnionJack_56

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

The start number called the most often in the published annotations is 6, it was called in 13 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AgentM_54, Aragog_54, Archetta_54, Conspiracy_55, Discoknowium_53, ForGetIt_55, Jovo_55, Lev2_55, Micasa_56, Phlorence_53, PickleBack_55, Tarynearal_53, Tiger_54, Twigg_54,

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

- Chadwick_59, Dublin_55, MarysWell_55, Theia_54,

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

- Ghoulboy_58, SydNat_58, UnionJack_56, Zolita_57,

Summary by start number:

Start 3:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chadwick_59 (A5),

Start 6:

- Found in 18 of 22 (81.8%) of genes in pham
- Manual Annotations of this start: 13 of 21
- Called 77.8% of time when present
- Phage (with cluster) where this start called: AgentM_54 (A5), Aragog_54 (A5), Archetta_54 (A5), Conspiracy_55 (A5), Discoknowium_53 (A5), ForGetIt_55 (A5), Jovo_55 (A5), Lev2_55 (A5), Micasa_56 (A5), Phlorence_53 (A5), PickleBack_55 (A5), Tarynearal_53 (A5), Tiger_54 (A5), Twigg_54 (A5),

Start 7:

- Found in 3 of 22 (13.6%) of genes in pham
- Manual Annotations of this start: 3 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dublin_55 (A5), MarysWell_55 (A5), Theia_54 (A5),

Start 8:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: UnionJack_56 (A5),

Start 9:

- Found in 4 of 22 (18.2%) of genes in pham
- Manual Annotations of this start: 3 of 21
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Ghoulboy_58 (A5), SydNat_58 (A5), Zolita_57 (A5),

Summary by clusters:

There is one cluster represented in this pham: A5

Info for manual annotations of cluster A5:

- Start number 3 was manually annotated 1 time for cluster A5.
- Start number 6 was manually annotated 13 times for cluster A5.
- Start number 7 was manually annotated 3 times for cluster A5.
- Start number 8 was manually annotated 1 time for cluster A5.
- Start number 9 was manually annotated 3 times for cluster A5.

Gene Information:

Gene: AgentM_54 Start: 38609, Stop: 38352, Start Num: 6

Candidate Starts for AgentM_54:

(Start: 6 @38609 has 13 MA's), (10, 38597), (12, 38522), (13, 38516), (17, 38396),

Gene: Aragog_54 Start: 38629, Stop: 38372, Start Num: 6

Candidate Starts for Aragog_54:

(Start: 6 @38629 has 13 MA's), (10, 38617), (12, 38542), (13, 38536), (17, 38416),

Gene: Archetta_54 Start: 39039, Stop: 38782, Start Num: 6

Candidate Starts for Archetta_54:

(Start: 6 @39039 has 13 MA's), (10, 39027), (12, 38952), (13, 38946), (17, 38826),

Gene: Chadwick_59 Start: 38932, Stop: 38585, Start Num: 3

Candidate Starts for Chadwick_59:

(2, 38977), (Start: 3 @38932 has 1 MA's), (5, 38848), (Start: 6 @38845 has 13 MA's), (Start: 9 @38836 has 3 MA's), (15, 38689), (17, 38629), (18, 38620),

Gene: Conspiracy_55 Start: 38851, Stop: 38594, Start Num: 6

Candidate Starts for Conspiracy_55:

(Start: 6 @38851 has 13 MA's), (10, 38839), (12, 38764), (13, 38758), (17, 38638),

Gene: Discoknowium_53 Start: 38518, Stop: 38261, Start Num: 6

Candidate Starts for Discoknowium_53:

(Start: 6 @38518 has 13 MA's), (10, 38506), (12, 38431), (13, 38425), (17, 38305),

Gene: Dublin_55 Start: 39020, Stop: 38763, Start Num: 7

Candidate Starts for Dublin_55:

(Start: 6 @39026 has 13 MA's), (Start: 7 @39020 has 3 MA's), (11, 38936), (15, 38867), (17, 38807),

Gene: ForGetIt_55 Start: 38876, Stop: 38619, Start Num: 6

Candidate Starts for ForGetIt_55:

(Start: 6 @38876 has 13 MA's), (10, 38864), (12, 38789), (13, 38783), (17, 38663),

Gene: Ghoulboy_58 Start: 39749, Stop: 39498, Start Num: 9

Candidate Starts for Ghoulboy_58:

(Start: 9 @39749 has 3 MA's), (15, 39602), (16, 39557),

Gene: Jovo_55 Start: 39132, Stop: 38875, Start Num: 6

Candidate Starts for Jovo_55:

(Start: 6 @39132 has 13 MA's), (10, 39120), (12, 39045), (13, 39039), (17, 38919),

Gene: Lev2_55 Start: 38764, Stop: 38507, Start Num: 6

Candidate Starts for Lev2_55:

(Start: 6 @38764 has 13 MA's), (10, 38752), (12, 38677), (13, 38671), (17, 38551),

Gene: MarysWell_55 Start: 39263, Stop: 39006, Start Num: 7

Candidate Starts for MarysWell_55:

(Start: 6 @39269 has 13 MA's), (Start: 7 @39263 has 3 MA's), (11, 39179), (15, 39110), (17, 39050),

Gene: Micasa_56 Start: 39137, Stop: 38880, Start Num: 6

Candidate Starts for Micasa_56:

(Start: 6 @39137 has 13 MA's), (12, 39050), (13, 39044), (14, 38996), (16, 38939), (17, 38924),

Gene: Phlorence_53 Start: 38509, Stop: 38252, Start Num: 6

Candidate Starts for Phlorence_53:

(Start: 6 @38509 has 13 MA's), (10, 38497), (12, 38422), (13, 38416), (17, 38296),

Gene: PickleBack_55 Start: 38756, Stop: 38499, Start Num: 6

Candidate Starts for PickleBack_55:

(4, 38786), (Start: 6 @38756 has 13 MA's), (10, 38744), (12, 38669), (13, 38663), (17, 38543),

Gene: SydNat_58 Start: 39758, Stop: 39507, Start Num: 9

Candidate Starts for SydNat_58:

(Start: 9 @39758 has 3 MA's), (15, 39611), (16, 39566),

Gene: Tarynearal_53 Start: 38570, Stop: 38313, Start Num: 6

Candidate Starts for Tarynearal_53:

(Start: 6 @38570 has 13 MA's), (12, 38483), (13, 38477), (14, 38429), (17, 38357),

Gene: Theia_54 Start: 39244, Stop: 38987, Start Num: 7

Candidate Starts for Theia_54:

(Start: 6 @39250 has 13 MA's), (Start: 7 @39244 has 3 MA's), (11, 39160), (15, 39091), (17, 39031),

Gene: Tiger_54 Start: 38430, Stop: 38173, Start Num: 6

Candidate Starts for Tiger_54:

(Start: 6 @38430 has 13 MA's), (10, 38418), (12, 38343), (13, 38337), (17, 38217),

Gene: Twigg_54 Start: 38773, Stop: 38516, Start Num: 6

Candidate Starts for Twigg_54:

(Start: 6 @38773 has 13 MA's), (12, 38686), (13, 38680), (14, 38632), (17, 38560),

Gene: UnionJack_56 Start: 38568, Stop: 38317, Start Num: 8

Candidate Starts for UnionJack_56:

(1, 38841), (Start: 8 @38568 has 1 MA's), (12, 38487), (13, 38481), (17, 38361),

Gene: Zolita_57 Start: 39762, Stop: 39511, Start Num: 9

Candidate Starts for Zolita_57:

(Start: 9 @39762 has 3 MA's), (15, 39615), (16, 39570),