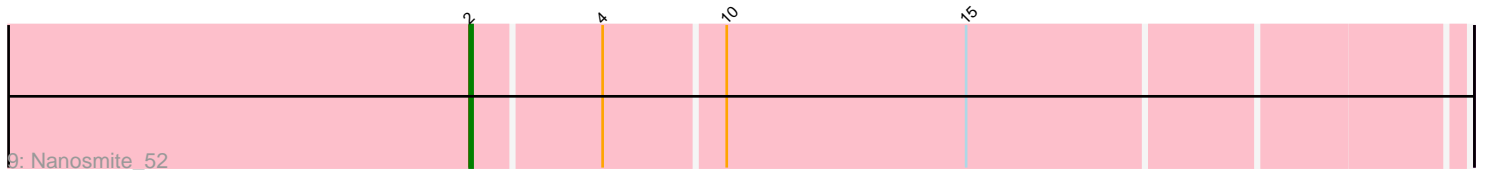
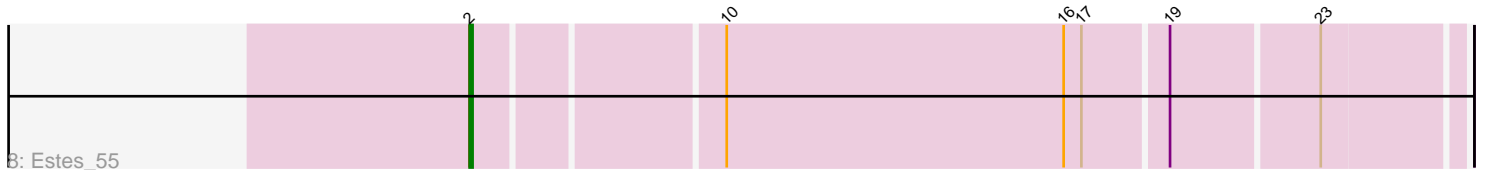
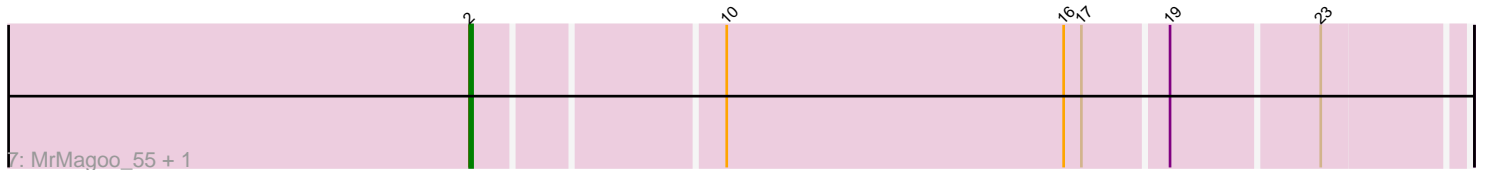
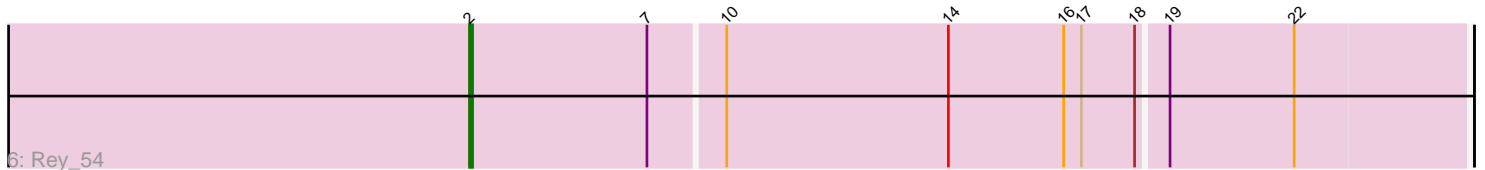
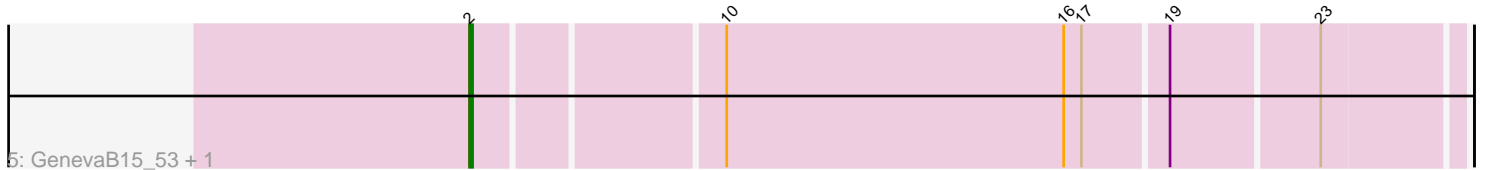
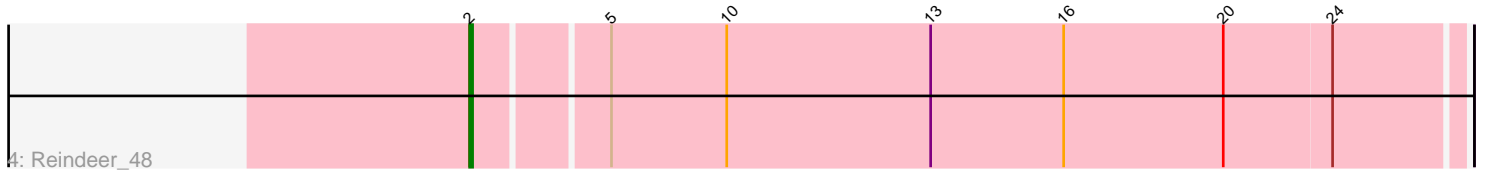
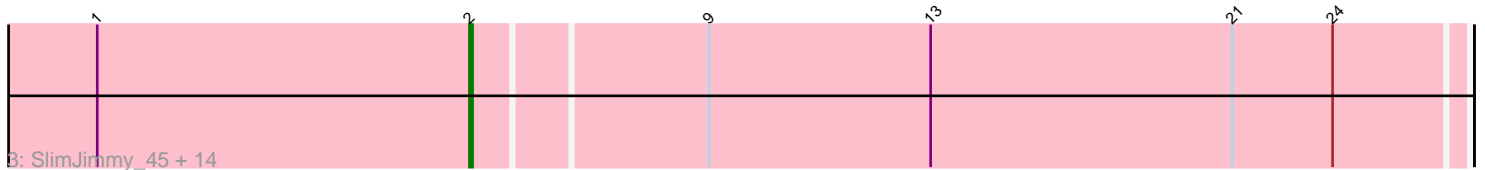
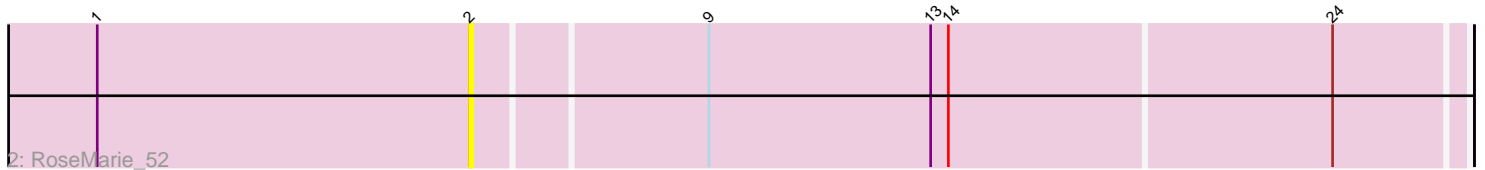
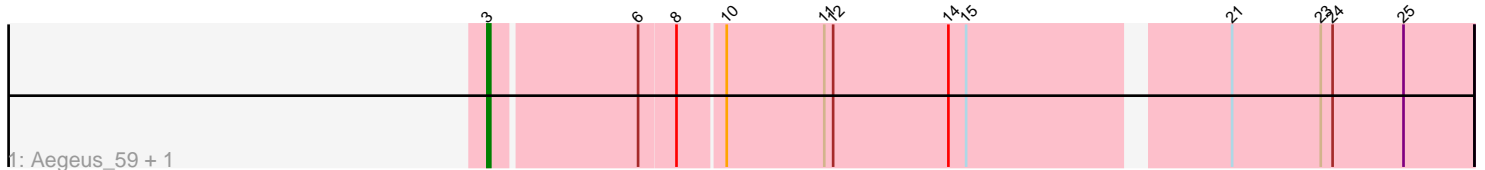


Pham 224828



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 224828 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224828 has 26 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Aegeus_59, Baudelaire_59
- Track 2 : RoseMarie_52
- Track 3 : SlimJimmy_45, PegLeg_46, Izel_46, Auspice_46, Bongo_46, TyDawg_46, Dulcita_47, KleverKiS_47, Glaske16_47, Bricole_46, LilhomieP_45, Diminimus_47, Skinny_47, IPHane7_46, FreakyGoo_47
- Track 4 : Reindeer_48
- Track 5 : GenevaB15_53, Aziz_53
- Track 6 : Rey_54
- Track 7 : MrMagoo_55, GardenSalsa_55
- Track 8 : Estes_55
- Track 9 : Nanosmite_52

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

The start number called the most often in the published annotations is 2, it was called in 20 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auspice_46, Aziz_53, Bongo_46, Bricole_46, Diminimus_47, Dulcita_47, Estes_55, FreakyGoo_47, GardenSalsa_55, GenevaB15_53, Glaske16_47, IPHane7_46, Izel_46, KleverKiS_47, LilhomieP_45, MrMagoo_55, Nanosmite_52, PegLeg_46, Reindeer_48, Rey_54, RoseMarie_52, Skinny_47, SlimJimmy_45, TyDawg_46,

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

-

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

- Aegeus_59, Baudelaire_59,

Summary by start number:

Start 2:

- Found in 24 of 26 (92.3%) of genes in pham
- Manual Annotations of this start: 20 of 22

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auspice_46 (M1), Aziz_53 (M2), Bongo_46 (M1), Bricole_46 (M1), Diminimus_47 (M1), Dulcita_47 (M1), Estes_55 (M2), FreakyGoo_47 (M1), GardenSalsa_55 (M2), GenevaB15_53 (M2), Glaske16_47 (M1), IPhone7_46 (M1), Izel_46 (M1), KleverKiS_47 (M1), LilhomieP_45 (M1), MrMagoo_55 (M2), Nanosmite_52 (M3), PegLeg_46 (M1), Reindeer_48 (M1), Rey_54 (M2), RoseMarie_52 (M), Skinny_47 (M1), SlimJimmy_45 (M1), TyDawg_46 (M1),

Start 3:

- Found in 2 of 26 (7.7%) of genes in pham
- Manual Annotations of this start: 2 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aegeus_59 (L5), Baudelaire_59 (L5),

Summary by clusters:

There are 5 clusters represented in this pham: M, L5, M1, M3, M2,

Info for manual annotations of cluster L5:

- Start number 3 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 2 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 2 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 2 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Aegeus_59 Start: 41204, Stop: 41521, Start Num: 3

Candidate Starts for Aegeus_59:

(Start: 3 @41204 has 2 MA's), (6, 41252), (8, 41264), (10, 41279), (11, 41312), (12, 41315), (14, 41354), (15, 41360), (21, 41441), (23, 41471), (24, 41474), (25, 41498),

Gene: Auspice_46 Start: 35134, Stop: 34808, Start Num: 2

Candidate Starts for Auspice_46:

(1, 35260), (Start: 2 @35134 has 20 MA's), (9, 35059), (13, 34984), (21, 34882), (24, 34849),

Gene: Aziz_53 Start: 37071, Stop: 36754, Start Num: 2

Candidate Starts for Aziz_53:

(Start: 2 @37071 has 20 MA's), (10, 36993), (16, 36879), (17, 36873), (19, 36846), (23, 36798),

Gene: Baudelaire_59 Start: 41204, Stop: 41521, Start Num: 3

Candidate Starts for Baudelaire_59:

(Start: 3 @41204 has 2 MA's), (6, 41252), (8, 41264), (10, 41279), (11, 41312), (12, 41315), (14, 41354), (15, 41360), (21, 41441), (23, 41471), (24, 41474), (25, 41498),

Gene: Bongo_46 Start: 35134, Stop: 34808, Start Num: 2

Candidate Starts for Bongo_46:

(1, 35260), (Start: 2 @35134 has 20 MA's), (9, 35059), (13, 34984), (21, 34882), (24, 34849),

Gene: Bricole_46 Start: 35120, Stop: 34794, Start Num: 2

Candidate Starts for Bricole_46:

(1, 35246), (Start: 2 @35120 has 20 MA's), (9, 35045), (13, 34970), (21, 34868), (24, 34835),

Gene: Diminimus_47 Start: 35133, Stop: 34807, Start Num: 2

Candidate Starts for Diminimus_47:

(1, 35259), (Start: 2 @35133 has 20 MA's), (9, 35058), (13, 34983), (21, 34881), (24, 34848),

Gene: Dulcita_47 Start: 35134, Stop: 34808, Start Num: 2

Candidate Starts for Dulcita_47:

(1, 35260), (Start: 2 @35134 has 20 MA's), (9, 35059), (13, 34984), (21, 34882), (24, 34849),

Gene: Estes_55 Start: 37337, Stop: 37020, Start Num: 2

Candidate Starts for Estes_55:

(Start: 2 @37337 has 20 MA's), (10, 37259), (16, 37145), (17, 37139), (19, 37112), (23, 37064),

Gene: FreakyGoo_47 Start: 35134, Stop: 34808, Start Num: 2

Candidate Starts for FreakyGoo_47:

(1, 35260), (Start: 2 @35134 has 20 MA's), (9, 35059), (13, 34984), (21, 34882), (24, 34849),

Gene: GardenSalsa_55 Start: 37435, Stop: 37118, Start Num: 2

Candidate Starts for GardenSalsa_55:

(Start: 2 @37435 has 20 MA's), (10, 37357), (16, 37243), (17, 37237), (19, 37210), (23, 37162),

Gene: GenevaB15_53 Start: 37071, Stop: 36754, Start Num: 2

Candidate Starts for GenevaB15_53:

(Start: 2 @37071 has 20 MA's), (10, 36993), (16, 36879), (17, 36873), (19, 36846), (23, 36798),

Gene: Glaske16_47 Start: 35133, Stop: 34807, Start Num: 2

Candidate Starts for Glaske16_47:

(1, 35259), (Start: 2 @35133 has 20 MA's), (9, 35058), (13, 34983), (21, 34881), (24, 34848),

Gene: IPhane7_46 Start: 35134, Stop: 34808, Start Num: 2

Candidate Starts for IPhane7_46:

(1, 35260), (Start: 2 @35134 has 20 MA's), (9, 35059), (13, 34984), (21, 34882), (24, 34849),

Gene: Izel_46 Start: 35133, Stop: 34807, Start Num: 2

Candidate Starts for Izel_46:

(1, 35259), (Start: 2 @35133 has 20 MA's), (9, 35058), (13, 34983), (21, 34881), (24, 34848),

Gene: KleverKiS_47 Start: 35114, Stop: 34788, Start Num: 2

Candidate Starts for KleverKiS_47:

(1, 35240), (Start: 2 @35114 has 20 MA's), (9, 35039), (13, 34964), (21, 34862), (24, 34829),

Gene: LilhomieP_45 Start: 35134, Stop: 34808, Start Num: 2

Candidate Starts for LilhomieP_45:

(1, 35260), (Start: 2 @35134 has 20 MA's), (9, 35059), (13, 34984), (21, 34882), (24, 34849),

Gene: MrMagoo_55 Start: 37435, Stop: 37118, Start Num: 2
Candidate Starts for MrMagoo_55:
(Start: 2 @37435 has 20 MA's), (10, 37357), (16, 37243), (17, 37237), (19, 37210), (23, 37162),

Gene: Nanosmite_52 Start: 36753, Stop: 36433, Start Num: 2
Candidate Starts for Nanosmite_52:
(Start: 2 @36753 has 20 MA's), (4, 36711), (10, 36672), (15, 36591),

Gene: PegLeg_46 Start: 35133, Stop: 34807, Start Num: 2
Candidate Starts for PegLeg_46:
(1, 35259), (Start: 2 @35133 has 20 MA's), (9, 35058), (13, 34983), (21, 34881), (24, 34848),

Gene: Reindeer_48 Start: 36342, Stop: 36016, Start Num: 2
Candidate Starts for Reindeer_48:
(Start: 2 @36342 has 20 MA's), (5, 36300), (10, 36261), (13, 36192), (16, 36147), (20, 36093), (24, 36057),

Gene: Rey_54 Start: 37371, Stop: 37042, Start Num: 2
Candidate Starts for Rey_54:
(Start: 2 @37371 has 20 MA's), (7, 37311), (10, 37287), (14, 37212), (16, 37173), (17, 37167), (18, 37149), (19, 37140), (22, 37098),

Gene: RoseMarie_52 Start: 38796, Stop: 38473, Start Num: 2
Candidate Starts for RoseMarie_52:
(1, 38922), (Start: 2 @38796 has 20 MA's), (9, 38721), (13, 38646), (14, 38640), (24, 38514),

Gene: Skinny_47 Start: 35563, Stop: 35237, Start Num: 2
Candidate Starts for Skinny_47:
(1, 35689), (Start: 2 @35563 has 20 MA's), (9, 35488), (13, 35413), (21, 35311), (24, 35278),

Gene: SlimJimmy_45 Start: 35117, Stop: 34791, Start Num: 2
Candidate Starts for SlimJimmy_45:
(1, 35243), (Start: 2 @35117 has 20 MA's), (9, 35042), (13, 34967), (21, 34865), (24, 34832),

Gene: TyDawg_46 Start: 35134, Stop: 34808, Start Num: 2
Candidate Starts for TyDawg_46:
(1, 35260), (Start: 2 @35134 has 20 MA's), (9, 35059), (13, 34984), (21, 34882), (24, 34849),