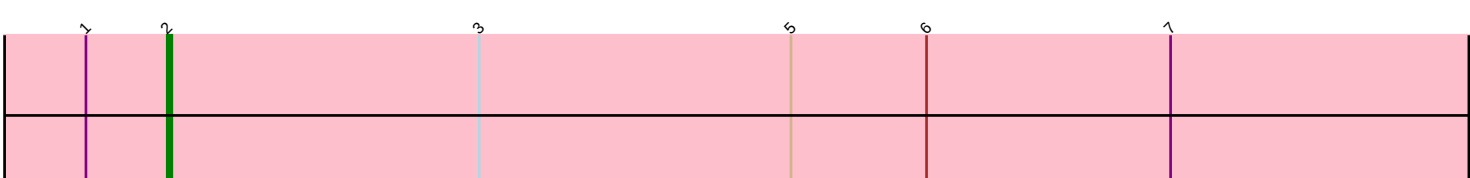
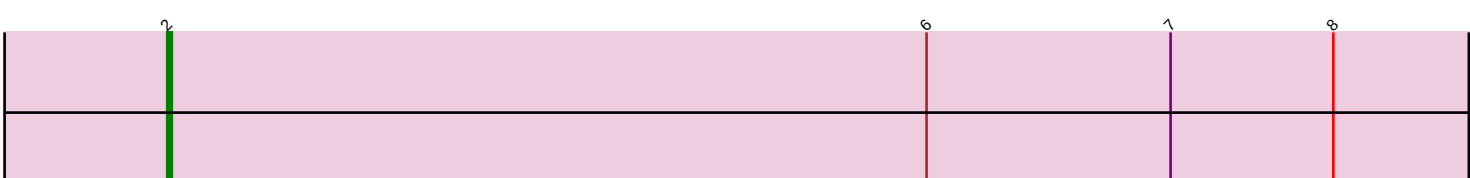
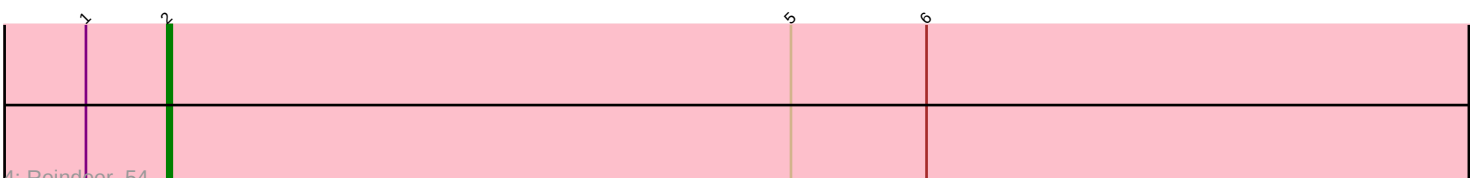
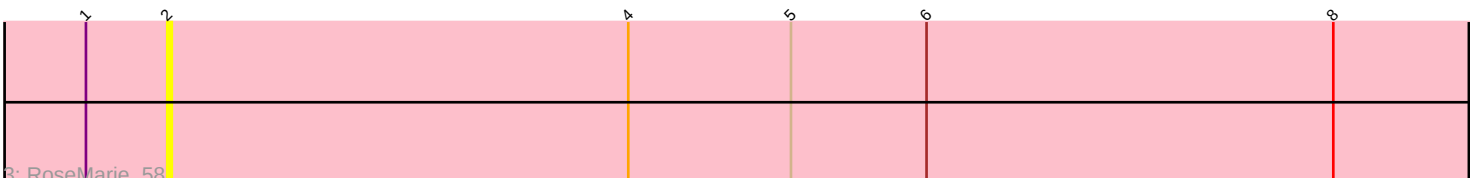
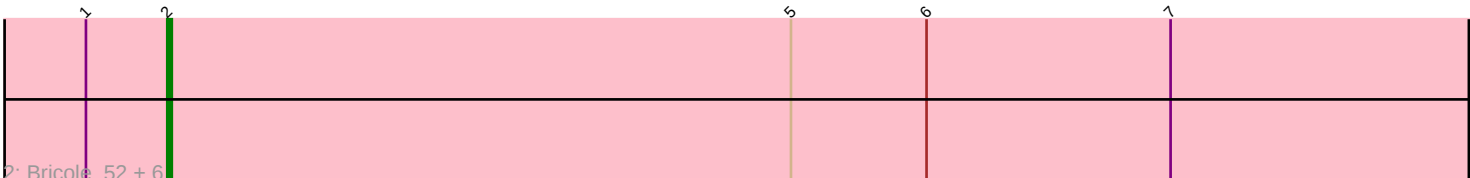
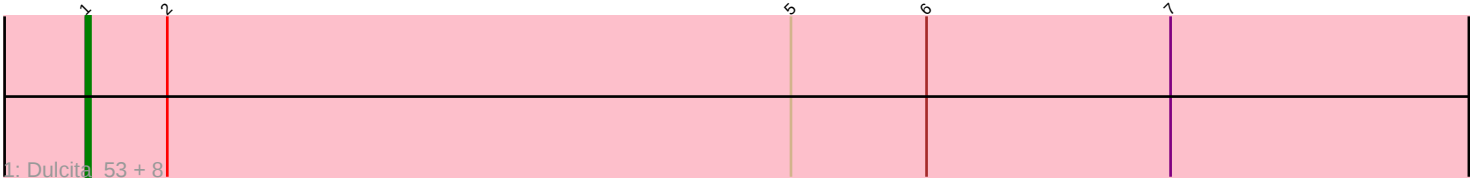


Pham 331183



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 331183 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331183 has 25 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Dulcita_53, Glaske16_53, LilhomieP_51, Bongo_52, Skinny_53, Diminimus_53, SlimJimmy_51, Izel_53, TyDawg_52
- Track 2 : Bricole_52, FreakyGoo_53, IPhane7_52, TpudiCK_54, KleverKiS_53, PegLeg_52, Auspice_52
- Track 3 : RoseMarie_58
- Track 4 : Reindeer_54
- Track 5 : GenevaB15_58
- Track 6 : MrMagoo_60, Estes_60, Aziz_58, GardenSalsa_60
- Track 7 : Rey_59
- Track 8 : Nanosmite_57

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 12 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auspice_52, Aziz_58, Bricole_52, Estes_60, FreakyGoo_53, GardenSalsa_60, IPhane7_52, KleverKiS_53, MrMagoo_60, Nanosmite_57, PegLeg_52, Reindeer_54, Rey_59, RoseMarie_58, TpudiCK_54,

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

- Bongo_52, Diminimus_53, Dulcita_53, GenevaB15_58, Glaske16_53, Izel_53, LilhomieP_51, Skinny_53, SlimJimmy_51, TyDawg_52,

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

•

Summary by start number:

Start 1:

- Found in 24 of 25 (96.0%) of genes in pham
- Manual Annotations of this start: 10 of 22
- Called 41.7% of time when present

- Phage (with cluster) where this start called: Bongo_52 (M1), Diminimus_53 (M1), Dulcita_53 (M1), GenevaB15_58 (M2), Glaske16_53 (M1), Izel_53 (M1), LilhomieP_51 (M1), Skinny_53 (M1), SlimJimmy_51 (M1), TyDawg_52 (M1),

Start 2:

- Found in 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 22
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Auspice_52 (M1), Aziz_58 (M2), Bricole_52 (M1), Estes_60 (M2), FreakyGoo_53 (M1), GardenSalsa_60 (M2), IPhane7_52 (M1), KleverKiS_53 (M1), MrMagoo_60 (M2), Nanosmite_57 (M3), PegLeg_52 (M1), Reindeer_54 (M1), Rey_59 (M2), RoseMarie_58 (M1), TpudiCK_54 (M1),

Summary by clusters:

There are 3 clusters represented in this pham: M1, M3, M2,

Info for manual annotations of cluster M1:

- Start number 1 was manually annotated 9 times for cluster M1.
- Start number 2 was manually annotated 6 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 1 was manually annotated 1 time for cluster M2.
- Start number 2 was manually annotated 5 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: Auspice_52 Start: 37885, Stop: 38211, Start Num: 2

Candidate Starts for Auspice_52:

(Start: 1 @37867 has 10 MA's), (Start: 2 @37885 has 12 MA's), (5, 38023), (6, 38053), (7, 38107),

Gene: Aziz_58 Start: 39826, Stop: 40152, Start Num: 2

Candidate Starts for Aziz_58:

(Start: 1 @39808 has 10 MA's), (Start: 2 @39826 has 12 MA's), (6, 39994), (7, 40048), (8, 40084),

Gene: Bongo_52 Start: 37871, Stop: 38215, Start Num: 1

Candidate Starts for Bongo_52:

(Start: 1 @37871 has 10 MA's), (Start: 2 @37889 has 12 MA's), (5, 38027), (6, 38057), (7, 38111),

Gene: Bricole_52 Start: 37871, Stop: 38197, Start Num: 2

Candidate Starts for Bricole_52:

(Start: 1 @37853 has 10 MA's), (Start: 2 @37871 has 12 MA's), (5, 38009), (6, 38039), (7, 38093),

Gene: Diminimus_53 Start: 37866, Stop: 38210, Start Num: 1

Candidate Starts for Diminimus_53:

(Start: 1 @37866 has 10 MA's), (Start: 2 @37884 has 12 MA's), (5, 38022), (6, 38052), (7, 38106),

Gene: Dulcita_53 Start: 37867, Stop: 38211, Start Num: 1

Candidate Starts for Dulcita_53:

(Start: 1 @37867 has 10 MA's), (Start: 2 @37885 has 12 MA's), (5, 38023), (6, 38053), (7, 38107),

Gene: Estes_60 Start: 40083, Stop: 40409, Start Num: 2

Candidate Starts for Estes_60:

(Start: 1 @40065 has 10 MA's), (Start: 2 @40083 has 12 MA's), (6, 40251), (7, 40305), (8, 40341),

Gene: FreakyGoo_53 Start: 37885, Stop: 38211, Start Num: 2

Candidate Starts for FreakyGoo_53:

(Start: 1 @37867 has 10 MA's), (Start: 2 @37885 has 12 MA's), (5, 38023), (6, 38053), (7, 38107),

Gene: GardenSalsa_60 Start: 40233, Stop: 40559, Start Num: 2

Candidate Starts for GardenSalsa_60:

(Start: 1 @40215 has 10 MA's), (Start: 2 @40233 has 12 MA's), (6, 40401), (7, 40455), (8, 40491),

Gene: GenevaB15_58 Start: 39808, Stop: 40152, Start Num: 1

Candidate Starts for GenevaB15_58:

(Start: 1 @39808 has 10 MA's), (Start: 2 @39826 has 12 MA's), (6, 39994), (7, 40048), (8, 40084),

Gene: Glaske16_53 Start: 37866, Stop: 38210, Start Num: 1

Candidate Starts for Glaske16_53:

(Start: 1 @37866 has 10 MA's), (Start: 2 @37884 has 12 MA's), (5, 38022), (6, 38052), (7, 38106),

Gene: IPHane7_52 Start: 37889, Stop: 38215, Start Num: 2

Candidate Starts for IPHane7_52:

(Start: 1 @37871 has 10 MA's), (Start: 2 @37889 has 12 MA's), (5, 38027), (6, 38057), (7, 38111),

Gene: Izel_53 Start: 37866, Stop: 38210, Start Num: 1

Candidate Starts for Izel_53:

(Start: 1 @37866 has 10 MA's), (Start: 2 @37884 has 12 MA's), (5, 38022), (6, 38052), (7, 38106),

Gene: KleverKiS_53 Start: 37865, Stop: 38191, Start Num: 2

Candidate Starts for KleverKiS_53:

(Start: 1 @37847 has 10 MA's), (Start: 2 @37865 has 12 MA's), (5, 38003), (6, 38033), (7, 38087),

Gene: LilhomieP_51 Start: 37871, Stop: 38215, Start Num: 1

Candidate Starts for LilhomieP_51:

(Start: 1 @37871 has 10 MA's), (Start: 2 @37889 has 12 MA's), (5, 38027), (6, 38057), (7, 38111),

Gene: MrMagoo_60 Start: 40233, Stop: 40559, Start Num: 2

Candidate Starts for MrMagoo_60:

(Start: 1 @40215 has 10 MA's), (Start: 2 @40233 has 12 MA's), (6, 40401), (7, 40455), (8, 40491),

Gene: Nanosmite_57 Start: 39543, Stop: 39869, Start Num: 2

Candidate Starts for Nanosmite_57:

(Start: 1 @39525 has 10 MA's), (Start: 2 @39543 has 12 MA's), (3, 39612), (5, 39681), (6, 39711), (7, 39765),

Gene: PegLeg_52 Start: 37888, Stop: 38214, Start Num: 2

Candidate Starts for PegLeg_52:

(Start: 1 @37870 has 10 MA's), (Start: 2 @37888 has 12 MA's), (5, 38026), (6, 38056), (7, 38110),

Gene: Reindeer_54 Start: 39091, Stop: 39417, Start Num: 2

Candidate Starts for Reindeer_54:

(Start: 1 @39073 has 10 MA's), (Start: 2 @39091 has 12 MA's), (5, 39229), (6, 39259),

Gene: Rey_59 Start: 40108, Stop: 40434, Start Num: 2

Candidate Starts for Rey_59:

(Start: 2 @40108 has 12 MA's), (6, 40276), (7, 40330), (8, 40366),

Gene: RoseMarie_58 Start: 41535, Stop: 41861, Start Num: 2

Candidate Starts for RoseMarie_58:

(Start: 1 @41517 has 10 MA's), (Start: 2 @41535 has 12 MA's), (4, 41637), (5, 41673), (6, 41703), (8, 41793),

Gene: Skinny_53 Start: 38300, Stop: 38644, Start Num: 1

Candidate Starts for Skinny_53:

(Start: 1 @38300 has 10 MA's), (Start: 2 @38318 has 12 MA's), (5, 38456), (6, 38486), (7, 38540),

Gene: SlimJimmy_51 Start: 37854, Stop: 38198, Start Num: 1

Candidate Starts for SlimJimmy_51:

(Start: 1 @37854 has 10 MA's), (Start: 2 @37872 has 12 MA's), (5, 38010), (6, 38040), (7, 38094),

Gene: TpudiCK_54 Start: 37888, Stop: 38214, Start Num: 2

Candidate Starts for TpudiCK_54:

(Start: 1 @37870 has 10 MA's), (Start: 2 @37888 has 12 MA's), (5, 38026), (6, 38056), (7, 38110),

Gene: TyDawg_52 Start: 37871, Stop: 38215, Start Num: 1

Candidate Starts for TyDawg_52:

(Start: 1 @37871 has 10 MA's), (Start: 2 @37889 has 12 MA's), (5, 38027), (6, 38057), (7, 38111),