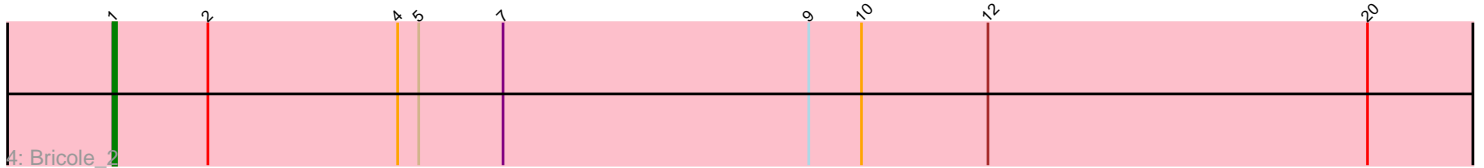
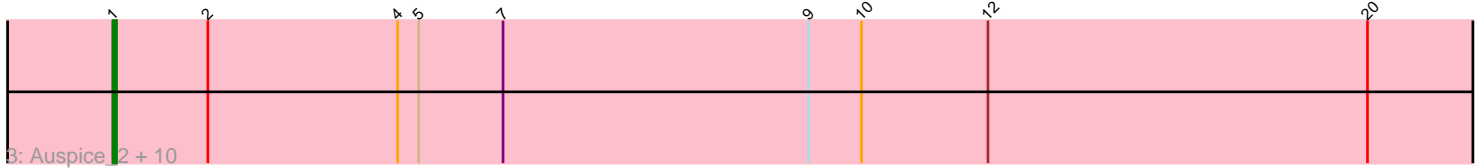
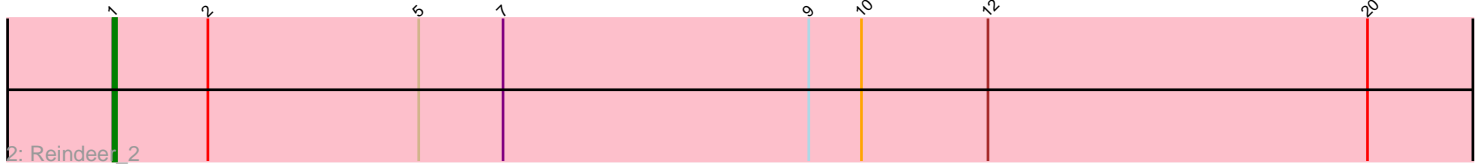
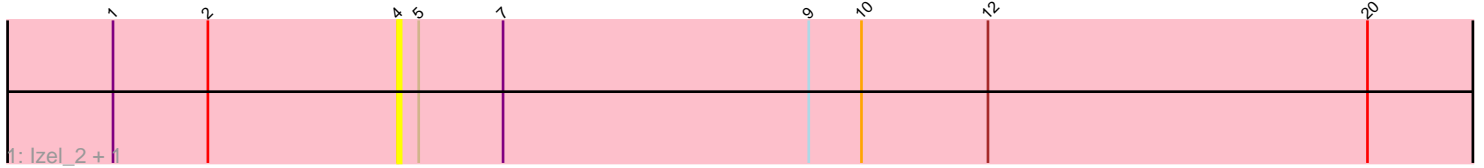


Pham 203287



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 203287 Report

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

Pham number 203287 has 22 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Izel_2, FreakyGoo_2
- Track 2 : Reindeer_2
- Track 3 : Auspice_2, TyDawg_2, Diminimus_2, Dulcita_2, Bongo_2, LilhomieP_2, Glaske16_2, SlimJimmy_2, PegLeg_2, IPhone7_2, Skinny_2
- Track 4 : Bricole_2
- Track 5 : MrMagoo_2, GardenSalsa_2
- Track 6 : Aziz_2, GenevaB15_2
- Track 7 : Rey_2
- Track 8 : Estes_2
- Track 9 : Nanosmite_2

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

The start number called the most often in the published annotations is 1, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auspice_2, Aziz_2, Bongo_2, Bricole_2, Diminimus_2, Dulcita_2, Estes_2, GardenSalsa_2, GenevaB15_2, Glaske16_2, IPhone7_2, LilhomieP_2, MrMagoo_2, Nanosmite_2, PegLeg_2, Reindeer_2, Rey_2, Skinny_2, SlimJimmy_2, TyDawg_2,

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

- FreakyGoo_2, Izel_2,

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

-

Summary by start number:

Start 1:

- Found in 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 20 of 20
- Called 90.9% of time when present

- Phage (with cluster) where this start called: Auspice_2 (M1), Aziz_2 (M2), Bongo_2 (M1), Bricole_2 (M1), Diminimus_2 (M1), Dulcita_2 (M1), Estes_2 (M2), GardenSalsa_2 (M2), GenevaB15_2 (M2), Glaske16_2 (M1), IPHane7_2 (M1), LilhomieP_2 (M1), MrMagoo_2 (M2), Nanosmite_2 (M3), PegLeg_2 (M1), Reindeer_2 (M1), Rey_2 (M2), Skinny_2 (M1), SlimJimmy_2 (M1), TyDawg_2 (M1),

Start 4:

- Found in 14 of 22 (63.6%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: FreakyGoo_2 (M1), Izel_2 (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 13 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 1 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

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

Gene Information:

Gene: Auspice_2 Start: 1191, Stop: 760, Start Num: 1

Candidate Starts for Auspice_2:

(Start: 1 @1191 has 20 MA's), (2, 1164), (4, 1110), (5, 1104), (7, 1080), (9, 993), (10, 978), (12, 942), (20, 834),

Gene: Aziz_2 Start: 1206, Stop: 784, Start Num: 1

Candidate Starts for Aziz_2:

(Start: 1 @1206 has 20 MA's), (2, 1179), (10, 993), (11, 969), (12, 957), (15, 927), (18, 870), (19, 867), (20, 849),

Gene: Bongo_2 Start: 1191, Stop: 760, Start Num: 1

Candidate Starts for Bongo_2:

(Start: 1 @1191 has 20 MA's), (2, 1164), (4, 1110), (5, 1104), (7, 1080), (9, 993), (10, 978), (12, 942), (20, 834),

Gene: Bricole_2 Start: 1190, Stop: 759, Start Num: 1

Candidate Starts for Bricole_2:

(Start: 1 @1190 has 20 MA's), (2, 1163), (4, 1109), (5, 1103), (7, 1079), (9, 992), (10, 977), (12, 941), (20, 833),

Gene: Diminimus_2 Start: 1190, Stop: 759, Start Num: 1

Candidate Starts for Diminimus_2:

(Start: 1 @1190 has 20 MA's), (2, 1163), (4, 1109), (5, 1103), (7, 1079), (9, 992), (10, 977), (12, 941), (20, 833),

Gene: Dulcita_2 Start: 1190, Stop: 759, Start Num: 1

Candidate Starts for Dulcita_2:

(Start: 1 @1190 has 20 MA's), (2, 1163), (4, 1109), (5, 1103), (7, 1079), (9, 992), (10, 977), (12, 941), (20, 833),

Gene: Estes_2 Start: 1217, Stop: 795, Start Num: 1

Candidate Starts for Estes_2:

(Start: 1 @1217 has 20 MA's), (2, 1190), (10, 1004), (11, 980), (12, 968), (15, 938), (18, 881), (19, 878), (20, 860),

Gene: FreakyGoo_2 Start: 1110, Stop: 760, Start Num: 4

Candidate Starts for FreakyGoo_2:

(Start: 1 @1191 has 20 MA's), (2, 1164), (4, 1110), (5, 1104), (7, 1080), (9, 993), (10, 978), (12, 942), (20, 834),

Gene: GardenSalsa_2 Start: 1217, Stop: 795, Start Num: 1

Candidate Starts for GardenSalsa_2:

(Start: 1 @1217 has 20 MA's), (2, 1190), (10, 1004), (12, 968), (15, 938), (18, 881), (19, 878), (20, 860),

Gene: GenevaB15_2 Start: 1206, Stop: 784, Start Num: 1

Candidate Starts for GenevaB15_2:

(Start: 1 @1206 has 20 MA's), (2, 1179), (10, 993), (11, 969), (12, 957), (15, 927), (18, 870), (19, 867), (20, 849),

Gene: Glaske16_2 Start: 1190, Stop: 759, Start Num: 1

Candidate Starts for Glaske16_2:

(Start: 1 @1190 has 20 MA's), (2, 1163), (4, 1109), (5, 1103), (7, 1079), (9, 992), (10, 977), (12, 941), (20, 833),

Gene: IPhane7_2 Start: 1191, Stop: 760, Start Num: 1

Candidate Starts for IPhane7_2:

(Start: 1 @1191 has 20 MA's), (2, 1164), (4, 1110), (5, 1104), (7, 1080), (9, 993), (10, 978), (12, 942), (20, 834),

Gene: Izel_2 Start: 1109, Stop: 759, Start Num: 4

Candidate Starts for Izel_2:

(Start: 1 @1190 has 20 MA's), (2, 1163), (4, 1109), (5, 1103), (7, 1079), (9, 992), (10, 977), (12, 941), (20, 833),

Gene: LilhomieP_2 Start: 1191, Stop: 760, Start Num: 1

Candidate Starts for LilhomieP_2:

(Start: 1 @1191 has 20 MA's), (2, 1164), (4, 1110), (5, 1104), (7, 1080), (9, 993), (10, 978), (12, 942), (20, 834),

Gene: MrMagoo_2 Start: 1217, Stop: 795, Start Num: 1

Candidate Starts for MrMagoo_2:

(Start: 1 @1217 has 20 MA's), (2, 1190), (10, 1004), (12, 968), (15, 938), (18, 881), (19, 878), (20, 860),

Gene: Nanosmite_2 Start: 1155, Stop: 733, Start Num: 1

Candidate Starts for Nanosmite_2:

(Start: 1 @1155 has 20 MA's), (2, 1128), (3, 1110), (6, 1047), (12, 906), (13, 897), (14, 891), (16, 870), (18, 819), (20, 798),

Gene: PegLeg_2 Start: 1190, Stop: 759, Start Num: 1

Candidate Starts for PegLeg_2:

(Start: 1 @1190 has 20 MA's), (2, 1163), (4, 1109), (5, 1103), (7, 1079), (9, 992), (10, 977), (12, 941), (20, 833),

Gene: Reindeer_2 Start: 1201, Stop: 770, Start Num: 1

Candidate Starts for Reindeer_2:

(Start: 1 @1201 has 20 MA's), (2, 1174), (5, 1114), (7, 1090), (9, 1003), (10, 988), (12, 952), (20, 844),

Gene: Rey_2 Start: 1222, Stop: 800, Start Num: 1

Candidate Starts for Rey_2:

(Start: 1 @1222 has 20 MA's), (2, 1195), (8, 1090), (10, 1009), (12, 973), (15, 943), (17, 928), (19, 883), (20, 865),

Gene: Skinny_2 Start: 1190, Stop: 759, Start Num: 1

Candidate Starts for Skinny_2:

(Start: 1 @1190 has 20 MA's), (2, 1163), (4, 1109), (5, 1103), (7, 1079), (9, 992), (10, 977), (12, 941), (20, 833),

Gene: SlimJimmy_2 Start: 1190, Stop: 759, Start Num: 1

Candidate Starts for SlimJimmy_2:

(Start: 1 @1190 has 20 MA's), (2, 1163), (4, 1109), (5, 1103), (7, 1079), (9, 992), (10, 977), (12, 941), (20, 833),

Gene: TyDawg_2 Start: 1191, Stop: 760, Start Num: 1

Candidate Starts for TyDawg_2:

(Start: 1 @1191 has 20 MA's), (2, 1164), (4, 1110), (5, 1104), (7, 1080), (9, 993), (10, 978), (12, 942), (20, 834),