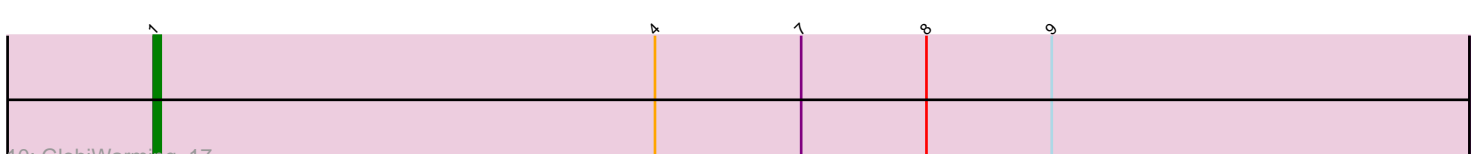
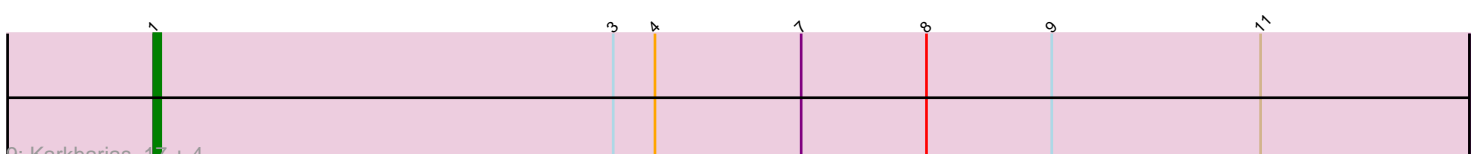
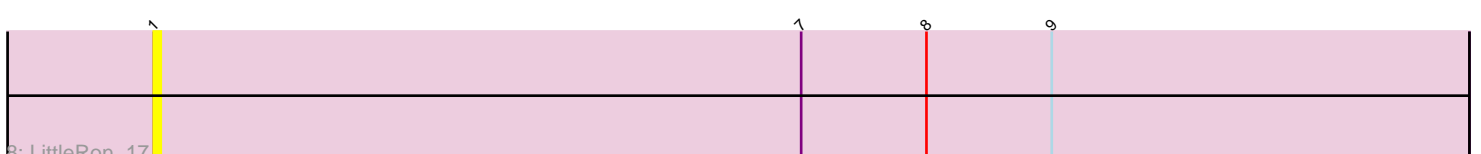
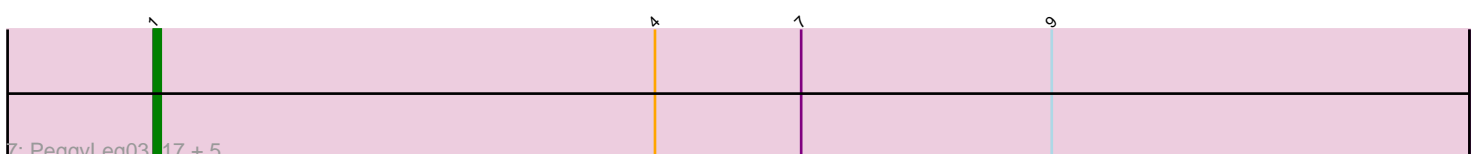
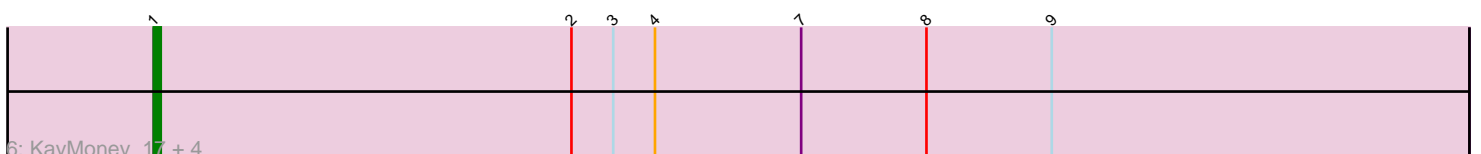
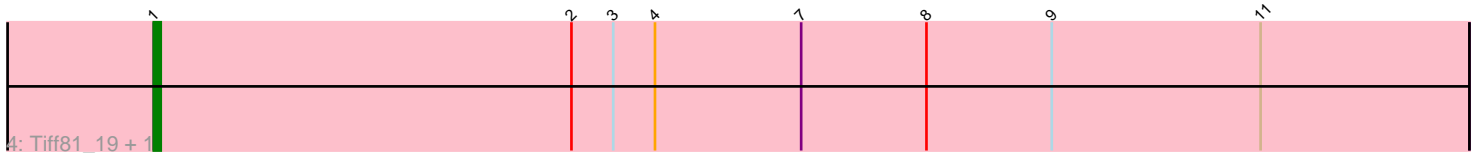
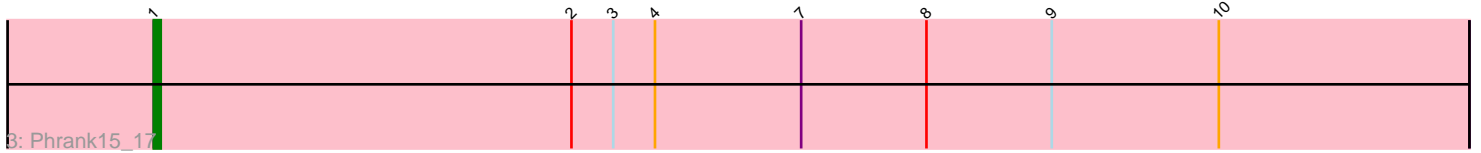
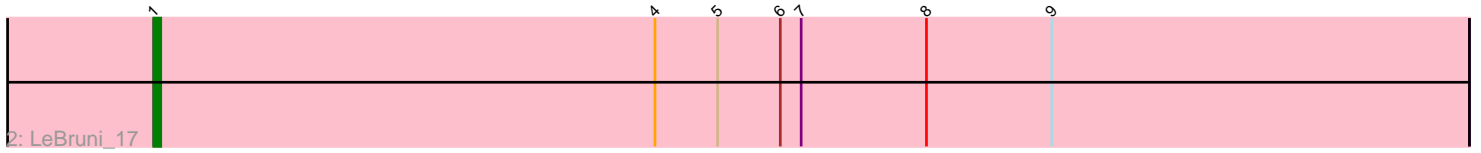
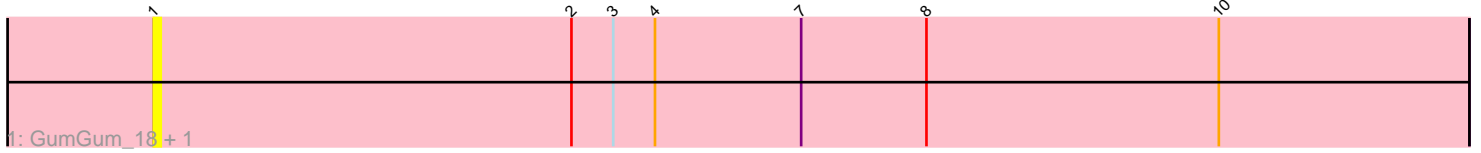


Pham 305239



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 305239 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305239 has 27 members, 9 are drafts.

Phages represented in each track:

- Track 1 : GumGum_18, CosmicBrownie_18
- Track 2 : LeBruni_17
- Track 3 : Phrank15_17
- Track 4 : Tiff81_19, Nyilah_17
- Track 5 : NikkiHotWheels_17, Peas_17, Eileen_17
- Track 6 : KayMoney_17, Mapleville_16, BillyTP_18, Lawnathon_18, ChuckDuck_17
- Track 7 : PeggyLeg03_17, NidoQ_16, LilyBell_17, Constance_17, Judy_18, FosterFrank_17
- Track 8 : LittleRon_17
- Track 9 : Karkharias_17, Pucara_17, Henrique_16, HotPotato_17, Bridgette_17
- Track 10 : GlobiWarming_17

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BillyTP_18, Bridgette_17, ChuckDuck_17, Constance_17, CosmicBrownie_18, Eileen_17, FosterFrank_17, GlobiWarming_17, GumGum_18, Henrique_16, HotPotato_17, Judy_18, Karkharias_17, KayMoney_17, Lawnathon_18, LeBruni_17, LilyBell_17, LittleRon_17, Mapleville_16, NidoQ_16, NikkiHotWheels_17, Nyilah_17, Peas_17, PeggyLeg03_17, Phrank15_17, Pucara_17, Tiff81_19,

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

-

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

-

Summary by start number:

Start 1:

- Found in 27 of 27 (100.0%) of genes in pham

- Manual Annotations of this start: 18 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BillyTP_18 (AY), Bridgette_17 (FA), ChuckDuck_17 (FA), Constance_17 (FA), CosmicBrownie_18 (AY), Eileen_17 (FA), FosterFrank_17 (FA), GlobiWarming_17 (FA), GumGum_18 (AY), Henrique_16 (FA), HotPotato_17 (FA), Judy_18 (FA), Karkharias_17 (FA), KayMoney_17 (FA), Lawnathon_18 (AY), LeBruni_17 (AY), LilyBell_17 (FA), LittleRon_17 (FA), Mapleville_16 (AY), NidoQ_16 (FA), NikkiHotWheels_17 (FA), Nyilah_17 (AY), Peas_17 (FA), PeggyLeg03_17 (FA), Phrank15_17 (AY), Pucara_17 (FA), Tiff81_19 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FA,

Info for manual annotations of cluster AY:

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

Info for manual annotations of cluster FA:

- Start number 1 was manually annotated 12 times for cluster FA.

Gene Information:

Gene: BillyTP_18 Start: 10720, Stop: 10532, Start Num: 1

Candidate Starts for BillyTP_18:

(Start: 1 @10720 has 18 MA's), (2, 10660), (3, 10654), (4, 10648), (7, 10627), (8, 10609), (9, 10591),

Gene: Bridgette_17 Start: 10883, Stop: 10695, Start Num: 1

Candidate Starts for Bridgette_17:

(Start: 1 @10883 has 18 MA's), (3, 10817), (4, 10811), (7, 10790), (8, 10772), (9, 10754), (11, 10724),

Gene: ChuckDuck_17 Start: 10838, Stop: 10650, Start Num: 1

Candidate Starts for ChuckDuck_17:

(Start: 1 @10838 has 18 MA's), (2, 10778), (3, 10772), (4, 10766), (7, 10745), (8, 10727), (9, 10709),

Gene: Constance_17 Start: 10886, Stop: 10698, Start Num: 1

Candidate Starts for Constance_17:

(Start: 1 @10886 has 18 MA's), (4, 10814), (7, 10793), (9, 10757),

Gene: CosmicBrownie_18 Start: 10804, Stop: 10616, Start Num: 1

Candidate Starts for CosmicBrownie_18:

(Start: 1 @10804 has 18 MA's), (2, 10744), (3, 10738), (4, 10732), (7, 10711), (8, 10693), (10, 10651),

Gene: Eileen_17 Start: 10847, Stop: 10659, Start Num: 1

Candidate Starts for Eileen_17:

(Start: 1 @10847 has 18 MA's), (3, 10781), (4, 10775), (7, 10754), (8, 10736), (9, 10718),

Gene: FosterFrank_17 Start: 10844, Stop: 10656, Start Num: 1

Candidate Starts for FosterFrank_17:

(Start: 1 @10844 has 18 MA's), (4, 10772), (7, 10751), (9, 10715),

Gene: GlobiWarming_17 Start: 10840, Stop: 10652, Start Num: 1
Candidate Starts for GlobiWarming_17:
(Start: 1 @10840 has 18 MA's), (4, 10768), (7, 10747), (8, 10729), (9, 10711),

Gene: GumGum_18 Start: 10795, Stop: 10607, Start Num: 1
Candidate Starts for GumGum_18:
(Start: 1 @10795 has 18 MA's), (2, 10735), (3, 10729), (4, 10723), (7, 10702), (8, 10684), (10, 10642),

Gene: Henrique_16 Start: 10844, Stop: 10656, Start Num: 1
Candidate Starts for Henrique_16:
(Start: 1 @10844 has 18 MA's), (3, 10778), (4, 10772), (7, 10751), (8, 10733), (9, 10715), (11, 10685),

Gene: HotPotato_17 Start: 10848, Stop: 10660, Start Num: 1
Candidate Starts for HotPotato_17:
(Start: 1 @10848 has 18 MA's), (3, 10782), (4, 10776), (7, 10755), (8, 10737), (9, 10719), (11, 10689),

Gene: Judy_18 Start: 11157, Stop: 10969, Start Num: 1
Candidate Starts for Judy_18:
(Start: 1 @11157 has 18 MA's), (4, 11085), (7, 11064), (9, 11028),

Gene: Karkharias_17 Start: 10844, Stop: 10656, Start Num: 1
Candidate Starts for Karkharias_17:
(Start: 1 @10844 has 18 MA's), (3, 10778), (4, 10772), (7, 10751), (8, 10733), (9, 10715), (11, 10685),

Gene: KayMoney_17 Start: 10840, Stop: 10652, Start Num: 1
Candidate Starts for KayMoney_17:
(Start: 1 @10840 has 18 MA's), (2, 10780), (3, 10774), (4, 10768), (7, 10747), (8, 10729), (9, 10711),

Gene: Lawnathon_18 Start: 10865, Stop: 10677, Start Num: 1
Candidate Starts for Lawnathon_18:
(Start: 1 @10865 has 18 MA's), (2, 10805), (3, 10799), (4, 10793), (7, 10772), (8, 10754), (9, 10736),

Gene: LeBruni_17 Start: 10739, Stop: 10551, Start Num: 1
Candidate Starts for LeBruni_17:
(Start: 1 @10739 has 18 MA's), (4, 10667), (5, 10658), (6, 10649), (7, 10646), (8, 10628), (9, 10610),

Gene: LilyBell_17 Start: 10860, Stop: 10672, Start Num: 1
Candidate Starts for LilyBell_17:
(Start: 1 @10860 has 18 MA's), (4, 10788), (7, 10767), (9, 10731),

Gene: LittleRon_17 Start: 10814, Stop: 10626, Start Num: 1
Candidate Starts for LittleRon_17:
(Start: 1 @10814 has 18 MA's), (7, 10721), (8, 10703), (9, 10685),

Gene: Mapleville_16 Start: 10935, Stop: 10747, Start Num: 1
Candidate Starts for Mapleville_16:
(Start: 1 @10935 has 18 MA's), (2, 10875), (3, 10869), (4, 10863), (7, 10842), (8, 10824), (9, 10806),

Gene: NidoQ_16 Start: 10903, Stop: 10715, Start Num: 1
Candidate Starts for NidoQ_16:
(Start: 1 @10903 has 18 MA's), (4, 10831), (7, 10810), (9, 10774),

Gene: NikkiHotWheels_17 Start: 10843, Stop: 10655, Start Num: 1

Candidate Starts for NikkiHotWheels_17:

(Start: 1 @10843 has 18 MA's), (3, 10777), (4, 10771), (7, 10750), (8, 10732), (9, 10714),

Gene: Nyilah_17 Start: 10836, Stop: 10648, Start Num: 1

Candidate Starts for Nyilah_17:

(Start: 1 @10836 has 18 MA's), (2, 10776), (3, 10770), (4, 10764), (7, 10743), (8, 10725), (9, 10707), (11, 10677),

Gene: Peas_17 Start: 10847, Stop: 10659, Start Num: 1

Candidate Starts for Peas_17:

(Start: 1 @10847 has 18 MA's), (3, 10781), (4, 10775), (7, 10754), (8, 10736), (9, 10718),

Gene: PeggyLeg03_17 Start: 10886, Stop: 10698, Start Num: 1

Candidate Starts for PeggyLeg03_17:

(Start: 1 @10886 has 18 MA's), (4, 10814), (7, 10793), (9, 10757),

Gene: Phrank15_17 Start: 10870, Stop: 10682, Start Num: 1

Candidate Starts for Phrank15_17:

(Start: 1 @10870 has 18 MA's), (2, 10810), (3, 10804), (4, 10798), (7, 10777), (8, 10759), (9, 10741), (10, 10717),

Gene: Pucara_17 Start: 10847, Stop: 10659, Start Num: 1

Candidate Starts for Pucara_17:

(Start: 1 @10847 has 18 MA's), (3, 10781), (4, 10775), (7, 10754), (8, 10736), (9, 10718), (11, 10688),

Gene: Tiff81_19 Start: 10941, Stop: 10753, Start Num: 1

Candidate Starts for Tiff81_19:

(Start: 1 @10941 has 18 MA's), (2, 10881), (3, 10875), (4, 10869), (7, 10848), (8, 10830), (9, 10812), (11, 10782),