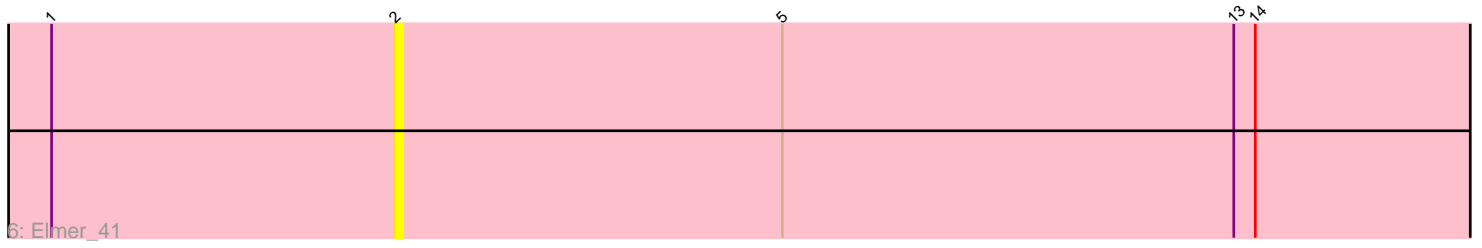
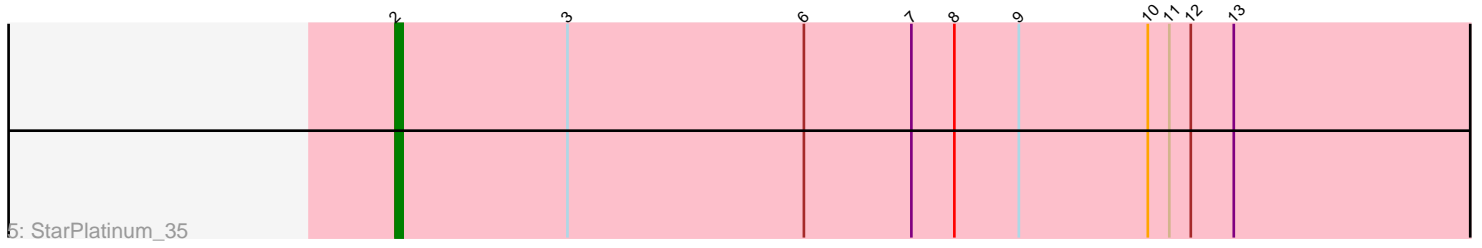
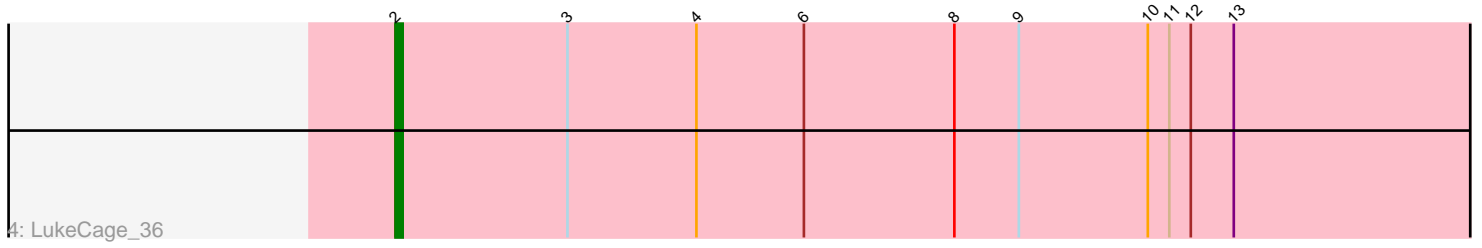
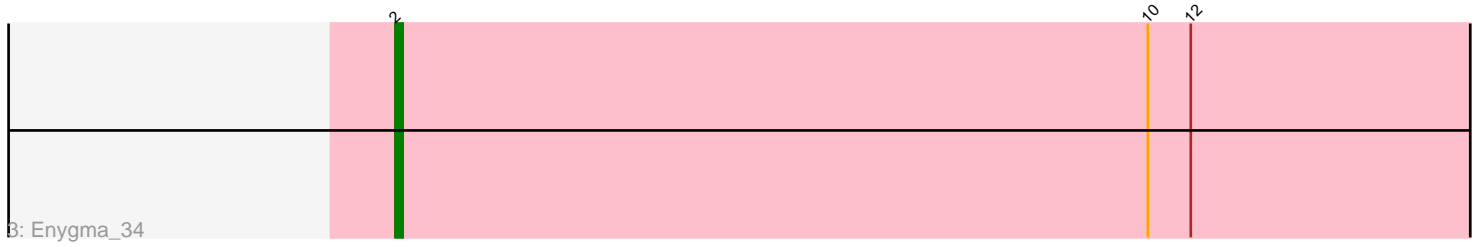
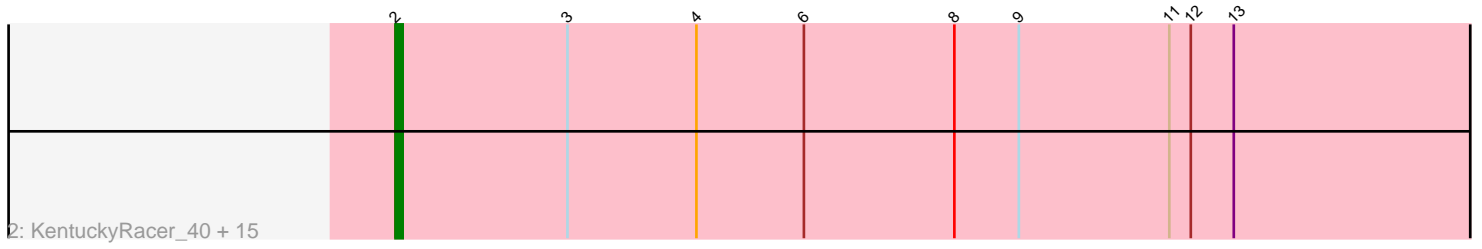
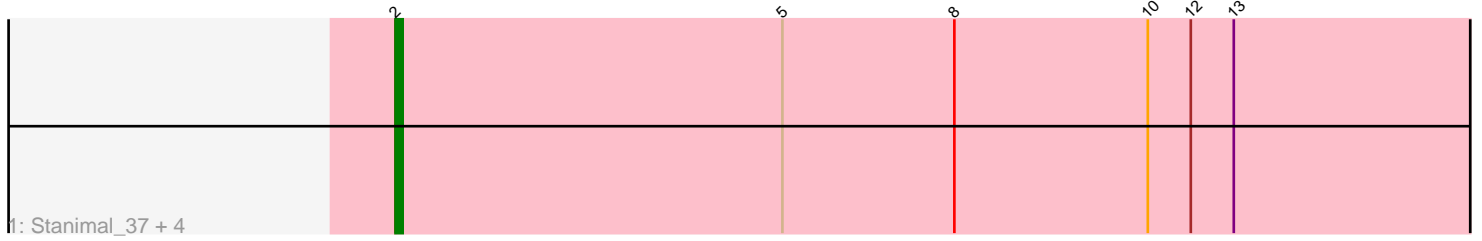


Pham 165247



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 165247 Report

This analysis was run 07/09/24 on database version 566.

Pham number 165247 has 25 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Stanimal_37, BoomerJR_37, Yaboi_38, Sollertia_37, Genie2_37
- Track 2 : KentuckyRacer_40, Bordeaux_35, Battuta_35, MindFlayer_35, Jollison_40, TomSawyer_35, Starbow_35, Quaran19_37, Birchlyn_34, Spelly_37, Spilled_37, Karimac_36, Amabiko_37, PumpkinSpice_36, JimJam_37, SaltySpittoon_37
- Track 3 : Enygma_34
- Track 4 : LukeCage_36
- Track 5 : StarPlatinum_35
- Track 6 : Elmer_41

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

Genes that call this "Most Annotated" start:

- Amabiko_37, Battuta_35, Birchlyn_34, BoomerJR_37, Bordeaux_35, Elmer_41, Enygma_34, Genie2_37, JimJam_37, Jollison_40, Karimac_36, KentuckyRacer_40, LukeCage_36, MindFlayer_35, PumpkinSpice_36, Quaran19_37, SaltySpittoon_37, Sollertia_37, Spelly_37, Spilled_37, Stanimal_37, StarPlatinum_35, Starbow_35, TomSawyer_35, Yaboi_38,

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 2:

- Found in 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 22 of 22
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Amabiko_37 (BE2), Battuta_35 (BE2), Birchlyn_34 (BE2), BoomerJR_37 (BE2), Bordeaux_35 (BE2), Elmer_41 (BE2), Enygma_34 (BE2), Genie2_37 (BE2), JimJam_37 (BE2), Jollison_40 (BE2), Karimac_36 (BE2), KentuckyRacer_40 (BE2), LukeCage_36 (BE2), MindFlayer_35 (BE2), PumpkinSpice_36 (BE2), Quaran19_37 (BE2), SaltySpitooon_37 (BE2), Sollertia_37 (BE2), Spelly_37 (BE2), Spilled_37 (BE2), Stanimal_37 (BE2), StarPlatinum_35 (BE2), Starbow_35 (BE2), TomSawyer_35 (BE2), Yaboi_38 (BE2),

Summary by clusters:

There is one cluster represented in this pham: BE2

Info for manual annotations of cluster BE2:

•Start number 2 was manually annotated 22 times for cluster BE2.

Gene Information:

Gene: Amabiko_37 Start: 16384, Stop: 16223, Start Num: 2

Candidate Starts for Amabiko_37:

(Start: 2 @16384 has 22 MA's), (3, 16360), (4, 16342), (6, 16327), (8, 16306), (9, 16297), (11, 16276), (12, 16273), (13, 16267),

Gene: Battuta_35 Start: 16360, Stop: 16199, Start Num: 2

Candidate Starts for Battuta_35:

(Start: 2 @16360 has 22 MA's), (3, 16336), (4, 16318), (6, 16303), (8, 16282), (9, 16273), (11, 16252), (12, 16249), (13, 16243),

Gene: Birchlyn_34 Start: 14241, Stop: 14080, Start Num: 2

Candidate Starts for Birchlyn_34:

(Start: 2 @14241 has 22 MA's), (3, 14217), (4, 14199), (6, 14184), (8, 14163), (9, 14154), (11, 14133), (12, 14130), (13, 14124),

Gene: BoomerJR_37 Start: 16193, Stop: 16032, Start Num: 2

Candidate Starts for BoomerJR_37:

(Start: 2 @16193 has 22 MA's), (5, 16139), (8, 16115), (10, 16088), (12, 16082), (13, 16076),

Gene: Bordeaux_35 Start: 16375, Stop: 16214, Start Num: 2

Candidate Starts for Bordeaux_35:

(Start: 2 @16375 has 22 MA's), (3, 16351), (4, 16333), (6, 16318), (8, 16297), (9, 16288), (11, 16267), (12, 16264), (13, 16258),

Gene: Elmer_41 Start: 15662, Stop: 15501, Start Num: 2

Candidate Starts for Elmer_41:

(1, 15710), (Start: 2 @15662 has 22 MA's), (5, 15608), (13, 15545), (14, 15542),

Gene: Enygma_34 Start: 15506, Stop: 15345, Start Num: 2

Candidate Starts for Enygma_34:

(Start: 2 @15506 has 22 MA's), (10, 15401), (12, 15395),

Gene: Genie2_37 Start: 16196, Stop: 16035, Start Num: 2

Candidate Starts for Genie2_37:

(Start: 2 @16196 has 22 MA's), (5, 16142), (8, 16118), (10, 16091), (12, 16085), (13, 16079),

Gene: JimJam_37 Start: 16323, Stop: 16162, Start Num: 2

Candidate Starts for JimJam_37:

(Start: 2 @16323 has 22 MA's), (3, 16299), (4, 16281), (6, 16266), (8, 16245), (9, 16236), (11, 16215), (12, 16212), (13, 16206),

Gene: Jollison_40 Start: 16341, Stop: 16180, Start Num: 2

Candidate Starts for Jollison_40:

(Start: 2 @16341 has 22 MA's), (3, 16317), (4, 16299), (6, 16284), (8, 16263), (9, 16254), (11, 16233), (12, 16230), (13, 16224),

Gene: Karimac_36 Start: 16490, Stop: 16329, Start Num: 2

Candidate Starts for Karimac_36:

(Start: 2 @16490 has 22 MA's), (3, 16466), (4, 16448), (6, 16433), (8, 16412), (9, 16403), (11, 16382), (12, 16379), (13, 16373),

Gene: KentuckyRacer_40 Start: 16136, Stop: 15975, Start Num: 2

Candidate Starts for KentuckyRacer_40:

(Start: 2 @16136 has 22 MA's), (3, 16112), (4, 16094), (6, 16079), (8, 16058), (9, 16049), (11, 16028), (12, 16025), (13, 16019),

Gene: LukeCage_36 Start: 16073, Stop: 15912, Start Num: 2

Candidate Starts for LukeCage_36:

(Start: 2 @16073 has 22 MA's), (3, 16049), (4, 16031), (6, 16016), (8, 15995), (9, 15986), (10, 15968), (11, 15965), (12, 15962), (13, 15956),

Gene: MindFlayer_35 Start: 15994, Stop: 15833, Start Num: 2

Candidate Starts for MindFlayer_35:

(Start: 2 @15994 has 22 MA's), (3, 15970), (4, 15952), (6, 15937), (8, 15916), (9, 15907), (11, 15886), (12, 15883), (13, 15877),

Gene: PumpkinSpice_36 Start: 16384, Stop: 16223, Start Num: 2

Candidate Starts for PumpkinSpice_36:

(Start: 2 @16384 has 22 MA's), (3, 16360), (4, 16342), (6, 16327), (8, 16306), (9, 16297), (11, 16276), (12, 16273), (13, 16267),

Gene: Quaran19_37 Start: 16375, Stop: 16214, Start Num: 2

Candidate Starts for Quaran19_37:

(Start: 2 @16375 has 22 MA's), (3, 16351), (4, 16333), (6, 16318), (8, 16297), (9, 16288), (11, 16267), (12, 16264), (13, 16258),

Gene: SaltySpittoon_37 Start: 16384, Stop: 16223, Start Num: 2

Candidate Starts for SaltySpittoon_37:

(Start: 2 @16384 has 22 MA's), (3, 16360), (4, 16342), (6, 16327), (8, 16306), (9, 16297), (11, 16276), (12, 16273), (13, 16267),

Gene: Sollertia_37 Start: 16196, Stop: 16035, Start Num: 2

Candidate Starts for Sollertia_37:

(Start: 2 @16196 has 22 MA's), (5, 16142), (8, 16118), (10, 16091), (12, 16085), (13, 16079),

Gene: Spelly_37 Start: 16339, Stop: 16178, Start Num: 2

Candidate Starts for Spelly_37:

(Start: 2 @16339 has 22 MA's), (3, 16315), (4, 16297), (6, 16282), (8, 16261), (9, 16252), (11, 16231), (12, 16228), (13, 16222),

Gene: Spilled_37 Start: 16093, Stop: 15932, Start Num: 2

Candidate Starts for Spilled_37:

(Start: 2 @16093 has 22 MA's), (3, 16069), (4, 16051), (6, 16036), (8, 16015), (9, 16006), (11, 15985), (12, 15982), (13, 15976),

Gene: Stanimal_37 Start: 16196, Stop: 16035, Start Num: 2

Candidate Starts for Stanimal_37:

(Start: 2 @16196 has 22 MA's), (5, 16142), (8, 16118), (10, 16091), (12, 16085), (13, 16079),

Gene: StarPlatinum_35 Start: 15993, Stop: 15832, Start Num: 2

Candidate Starts for StarPlatinum_35:

(Start: 2 @15993 has 22 MA's), (3, 15969), (6, 15936), (7, 15921), (8, 15915), (9, 15906), (10, 15888), (11, 15885), (12, 15882), (13, 15876),

Gene: Starbow_35 Start: 16360, Stop: 16199, Start Num: 2

Candidate Starts for Starbow_35:

(Start: 2 @16360 has 22 MA's), (3, 16336), (4, 16318), (6, 16303), (8, 16282), (9, 16273), (11, 16252), (12, 16249), (13, 16243),

Gene: TomSawyer_35 Start: 15978, Stop: 15817, Start Num: 2

Candidate Starts for TomSawyer_35:

(Start: 2 @15978 has 22 MA's), (3, 15954), (4, 15936), (6, 15921), (8, 15900), (9, 15891), (11, 15870), (12, 15867), (13, 15861),

Gene: Yaboi_38 Start: 16172, Stop: 16011, Start Num: 2

Candidate Starts for Yaboi_38:

(Start: 2 @16172 has 22 MA's), (5, 16118), (8, 16094), (10, 16067), (12, 16061), (13, 16055),