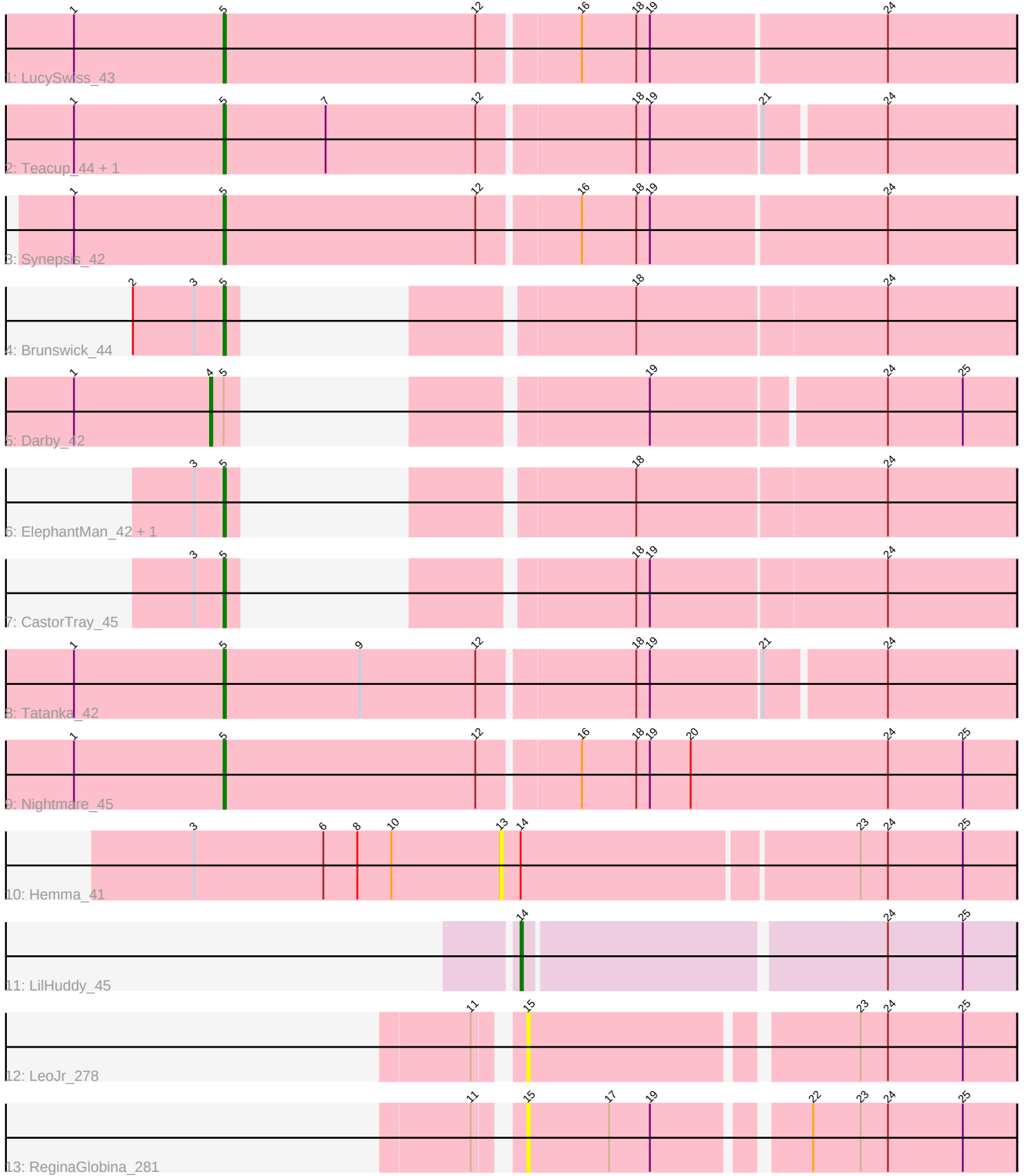


Pham 327605



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 327605 Report

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

Pham number 327605 has 15 members, 3 are drafts.

Phages represented in each track:

- Track 1 : LucySwiss_43
- Track 2 : Teacup_44, Acai_44
- Track 3 : Synopsis_42
- Track 4 : Brunswick_44
- Track 5 : Darby_42
- Track 6 : ElephantMan_42, Niktson_42
- Track 7 : CastorTray_45
- Track 8 : Tatanka_42
- Track 9 : Nightmare_45
- Track 10 : Hemma_41
- Track 11 : LilHuddy_45
- Track 12 : LeoJr_278
- Track 13 : ReginaGlobina_281

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

The start number called the most often in the published annotations is 5, it was called in 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acai_44, Brunswick_44, CastorTray_45, ElephantMan_42, LucySwiss_43, Nightmare_45, Niktson_42, Synopsis_42, Tatanka_42, Teacup_44,

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

- Darby_42,

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

- Hemma_41, LeoJr_278, LilHuddy_45, ReginaGlobina_281,

Summary by start number:

Start 4:

- Found in 1 of 15 (6.7%) of genes in pham
- Manual Annotations of this start: 1 of 12

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Darby_42 (AU1),

Start 5:

- Found in 11 of 15 (73.3%) of genes in pham
- Manual Annotations of this start: 10 of 12
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Acai_44 (AU1), Brunswick_44 (AU1), CastorTray_45 (AU1), ElephantMan_42 (AU1), LucySwiss_43 (AU1), Nightmare_45 (AU1), Niktson_42 (AU1), Synopsis_42 (AU1), Tatanka_42 (AU1), Teacup_44 (AU1),

Start 13:

- Found in 1 of 15 (6.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hemma_41 (AU1),

Start 14:

- Found in 2 of 15 (13.3%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 50.0% of time when present
- Phage (with cluster) where this start called: LilHuddy_45 (AU2),

Start 15:

- Found in 2 of 15 (13.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LeoJr_278 (FC), ReginaGlobina_281 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: AU1, AU2, FC,

Info for manual annotations of cluster AU1:

- Start number 4 was manually annotated 1 time for cluster AU1.
- Start number 5 was manually annotated 10 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 14 was manually annotated 1 time for cluster AU2.

Gene Information:

Gene: Acai_44 Start: 33059, Stop: 33397, Start Num: 5

Candidate Starts for Acai_44:

(1, 32993), (Start: 5 @33059 has 10 MA's), (7, 33104), (12, 33170), (18, 33236), (19, 33242), (21, 33290), (24, 33341),

Gene: Brunswick_44 Start: 32781, Stop: 33044, Start Num: 5

Candidate Starts for Brunswick_44:

(2, 32742), (3, 32769), (Start: 5 @32781 has 10 MA's), (18, 32880), (24, 32988),

Gene: CastorTray_45 Start: 33509, Stop: 33772, Start Num: 5

Candidate Starts for CastorTray_45:

(3, 33497), (Start: 5 @33509 has 10 MA's), (18, 33608), (19, 33614), (24, 33716),

Gene: Darby_42 Start: 32677, Stop: 32943, Start Num: 4

Candidate Starts for Darby_42:

(1, 32617), (Start: 4 @32677 has 1 MA's), (Start: 5 @32683 has 10 MA's), (19, 32788), (24, 32887), (25, 32920),

Gene: ElephantMan_42 Start: 33354, Stop: 33617, Start Num: 5

Candidate Starts for ElephantMan_42:

(3, 33342), (Start: 5 @33354 has 10 MA's), (18, 33453), (24, 33561),

Gene: Hemma_41 Start: 29982, Stop: 30203, Start Num: 13

Candidate Starts for Hemma_41:

(3, 29847), (6, 29904), (8, 29919), (10, 29934), (13, 29982), (Start: 14 @29991 has 1 MA's), (23, 30135), (24, 30147), (25, 30180),

Gene: LeoJr_278 Start: 165382, Stop: 165585, Start Num: 15

Candidate Starts for LeoJr_278:

(11, 165367), (15, 165382), (23, 165517), (24, 165529), (25, 165562),

Gene: LilHuddy_45 Start: 33068, Stop: 33277, Start Num: 14

Candidate Starts for LilHuddy_45:

(Start: 14 @33068 has 1 MA's), (24, 33221), (25, 33254),

Gene: LucySwiss_43 Start: 32697, Stop: 33038, Start Num: 5

Candidate Starts for LucySwiss_43:

(1, 32631), (Start: 5 @32697 has 10 MA's), (12, 32808), (16, 32850), (18, 32874), (19, 32880), (24, 32982),

Gene: Nightmare_45 Start: 33839, Stop: 34183, Start Num: 5

Candidate Starts for Nightmare_45:

(1, 33773), (Start: 5 @33839 has 10 MA's), (12, 33950), (16, 33992), (18, 34016), (19, 34022), (20, 34040), (24, 34127), (25, 34160),

Gene: Niktson_42 Start: 33354, Stop: 33617, Start Num: 5

Candidate Starts for Niktson_42:

(3, 33342), (Start: 5 @33354 has 10 MA's), (18, 33453), (24, 33561),

Gene: ReginaGlobina_281 Start: 166823, Stop: 167026, Start Num: 15

Candidate Starts for ReginaGlobina_281:

(11, 166808), (15, 166823), (17, 166859), (19, 166877), (22, 166937), (23, 166958), (24, 166970), (25, 167003),

Gene: Synopsis_42 Start: 32942, Stop: 33283, Start Num: 5

Candidate Starts for Synopsis_42:

(1, 32876), (Start: 5 @32942 has 10 MA's), (12, 33053), (16, 33095), (18, 33119), (19, 33125), (24, 33227),

Gene: Tatanka_42 Start: 33115, Stop: 33453, Start Num: 5

Candidate Starts for Tatanka_42:

(1, 33049), (Start: 5 @33115 has 10 MA's), (9, 33175), (12, 33226), (18, 33292), (19, 33298), (21, 33346), (24, 33397),

Gene: Teacup_44 Start: 33305, Stop: 33643, Start Num: 5

Candidate Starts for Teacup_44:

(1, 33239), (Start: 5 @33305 has 10 MA's), (7, 33350), (12, 33416), (18, 33482), (19, 33488), (21, 33536), (24, 33587),