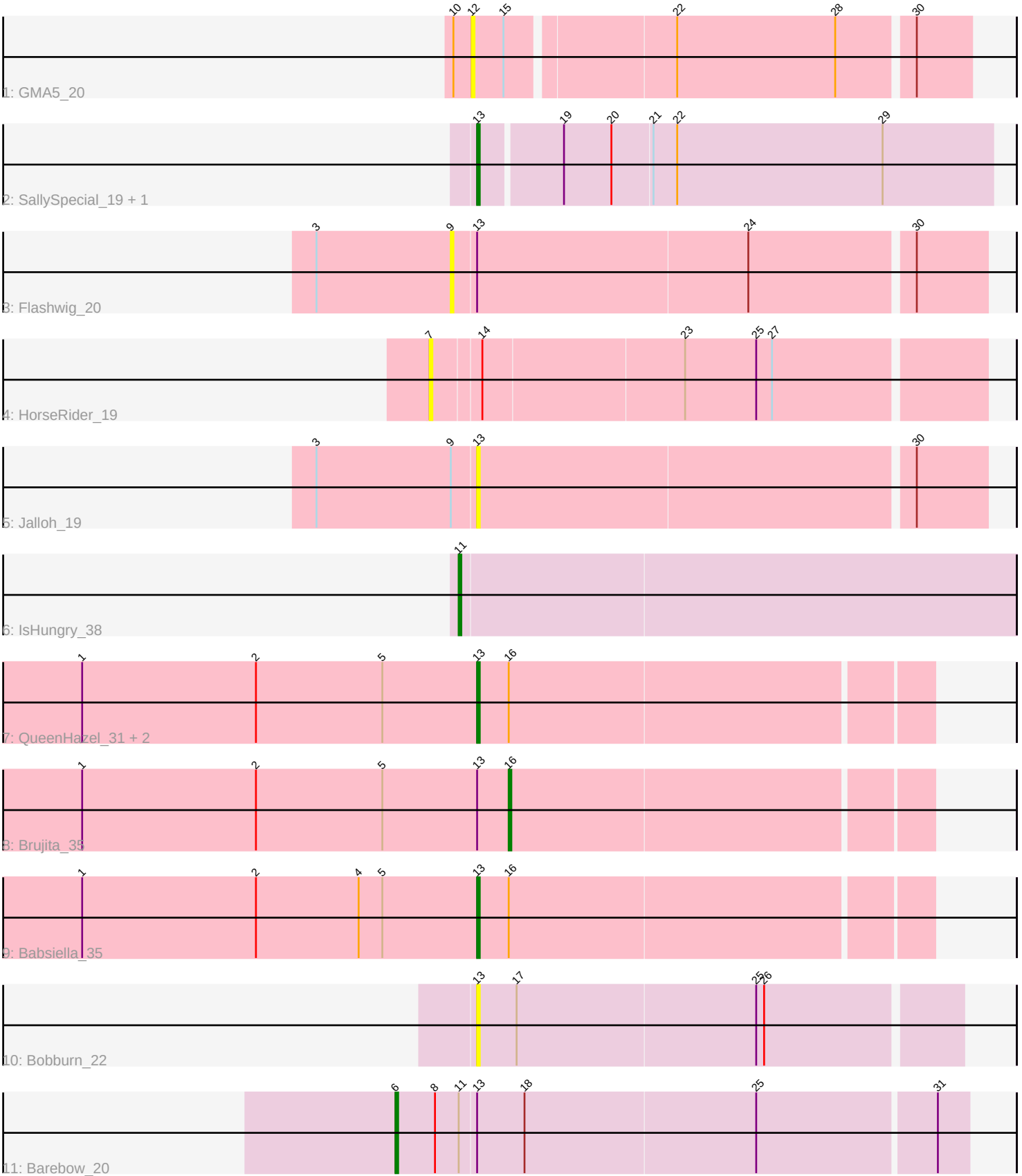


Pham 331377



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 331377 Report

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

Pham number 331377 has 14 members, 6 are drafts.

Phages represented in each track:

- Track 1 : GMA5_20
- Track 2 : SallySpecial_19, Dirtfootball_22
- Track 3 : Flashwig_20
- Track 4 : HorseRider_19
- Track 5 : Jalloh_19
- Track 6 : IsHungry_38
- Track 7 : QueenHazel_31, Xula_30, Island3_35
- Track 8 : Brujita_35
- Track 9 : Babsiella_35
- Track 10 : Bobburn_22
- Track 11 : Barebow_20

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

The start number called the most often in the published annotations is 13, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Babsiella_35, Bobburn_22, Dirtfootball_22, Island3_35, Jalloh_19, QueenHazel_31, SallySpecial_19, Xula_30,

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

- Barebow_20, Brujita_35, Flashwig_20,

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

- GMA5_20, HorseRider_19, IsHungry_38,

Summary by start number:

Start 6:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barebow_20 (singleton),

Start 7:

- Found in 1 of 14 (7.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: HorseRider_19 (ER),

Start 9:

- Found in 2 of 14 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Flashwig_20 (ER),

Start 11:

- Found in 2 of 14 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: IsHungry_38 (FF),

Start 12:

- Found in 1 of 14 (7.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA5_20 (CW2),

Start 13:

- Found in 11 of 14 (78.6%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 72.7% of time when present
- Phage (with cluster) where this start called: Babsiella_35 (I1), Bobburn_22 (singleton), Dirtfootball_22 (DM), Island3_35 (I1), Jalloh_19 (ER), QueenHazel_31 (I1), SallySpecial_19 (DM), Xula_30 (I1),

Start 16:

- Found in 5 of 14 (35.7%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Brujita_35 (I1),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, DM, I1, CW2, FF, ER,

Info for manual annotations of cluster DM:

- Start number 13 was manually annotated 1 time for cluster DM.

Info for manual annotations of cluster FF:

- Start number 11 was manually annotated 1 time for cluster FF.

Info for manual annotations of cluster I1:

- Start number 13 was manually annotated 4 times for cluster I1.

- Start number 16 was manually annotated 1 time for cluster I1.

Gene Information:

Gene: Babsiella_35 Start: 28713, Stop: 28880, Start Num: 13

Candidate Starts for Babsiella_35:

(1, 28563), (2, 28629), (4, 28668), (5, 28677), (Start: 13 @28713 has 5 MA's), (Start: 16 @28725 has 1 MA's),

Gene: Barebow_20 Start: 15759, Stop: 15971, Start Num: 6

Candidate Starts for Barebow_20:

(Start: 6 @15759 has 1 MA's), (8, 15774), (Start: 11 @15783 has 1 MA's), (Start: 13 @15789 has 5 MA's), (18, 15807), (25, 15894), (31, 15960),

Gene: Bobburn_22 Start: 15584, Stop: 15763, Start Num: 13

Candidate Starts for Bobburn_22:

(Start: 13 @15584 has 5 MA's), (17, 15599), (25, 15689), (26, 15692),

Gene: Brujita_35 Start: 29623, Stop: 29778, Start Num: 16

Candidate Starts for Brujita_35:

(1, 29461), (2, 29527), (5, 29575), (Start: 13 @29611 has 5 MA's), (Start: 16 @29623 has 1 MA's),

Gene: Dirtfootball_22 Start: 14446, Stop: 14637, Start Num: 13

Candidate Starts for Dirtfootball_22:

(Start: 13 @14446 has 5 MA's), (19, 14476), (20, 14494), (21, 14509), (22, 14518), (29, 14596),

Gene: Flashwig_20 Start: 13383, Stop: 13580, Start Num: 9

Candidate Starts for Flashwig_20:

(3, 13332), (9, 13383), (Start: 13 @13392 has 5 MA's), (24, 13494), (30, 13554),

Gene: GMA5_20 Start: 14712, Stop: 14891, Start Num: 12

Candidate Starts for GMA5_20:

(10, 14706), (12, 14712), (15, 14724), (22, 14784), (28, 14844), (30, 14871),

Gene: HorseRider_19 Start: 12860, Stop: 13063, Start Num: 7

Candidate Starts for HorseRider_19:

(7, 12860), (14, 12878), (23, 12953), (25, 12980), (27, 12986),

Gene: IsHungry_38 Start: 28831, Stop: 29040, Start Num: 11

Candidate Starts for IsHungry_38:

(Start: 11 @28831 has 1 MA's),

Gene: Island3_35 Start: 29611, Stop: 29778, Start Num: 13

Candidate Starts for Island3_35:

(1, 29461), (2, 29527), (5, 29575), (Start: 13 @29611 has 5 MA's), (Start: 16 @29623 has 1 MA's),

Gene: Jalloh_19 Start: 12648, Stop: 12836, Start Num: 13

Candidate Starts for Jalloh_19:

(3, 12588), (9, 12639), (Start: 13 @12648 has 5 MA's), (30, 12810),

Gene: QueenHazel_31 Start: 27647, Stop: 27814, Start Num: 13

Candidate Starts for QueenHazel_31:

(1, 27497), (2, 27563), (5, 27611), (Start: 13 @27647 has 5 MA's), (Start: 16 @27659 has 1 MA's),

Gene: SallySpecial_19 Start: 14475, Stop: 14666, Start Num: 13

Candidate Starts for SallySpecial_19:

(Start: 13 @14475 has 5 MA's), (19, 14505), (20, 14523), (21, 14538), (22, 14547), (29, 14625),

Gene: Xula_30 Start: 27171, Stop: 27338, Start Num: 13

Candidate Starts for Xula_30:

(1, 27021), (2, 27087), (5, 27135), (Start: 13 @27171 has 5 MA's), (Start: 16 @27183 has 1 MA's),