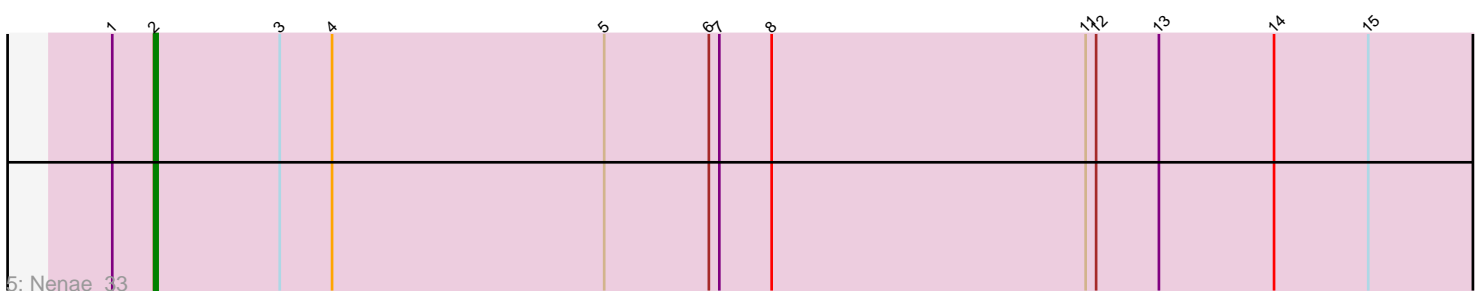
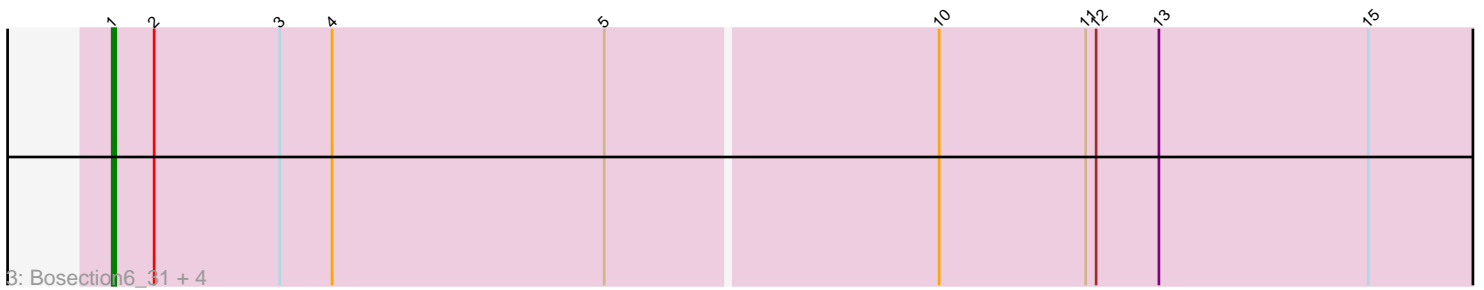
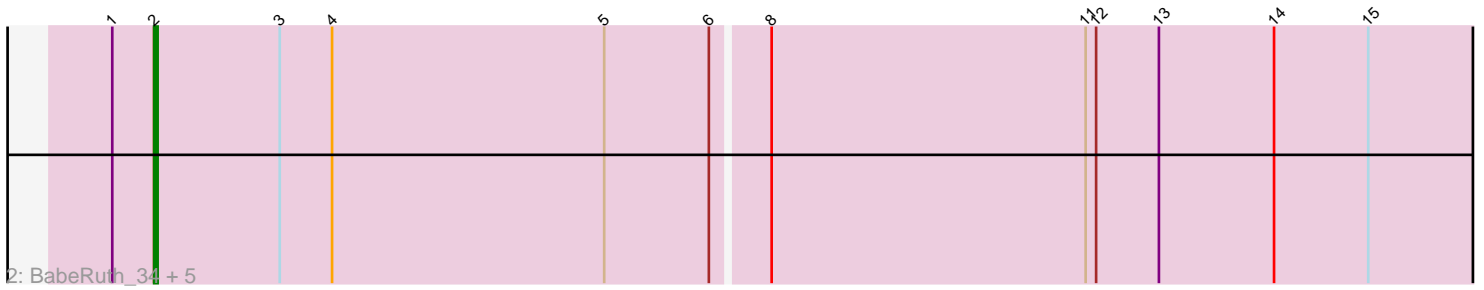
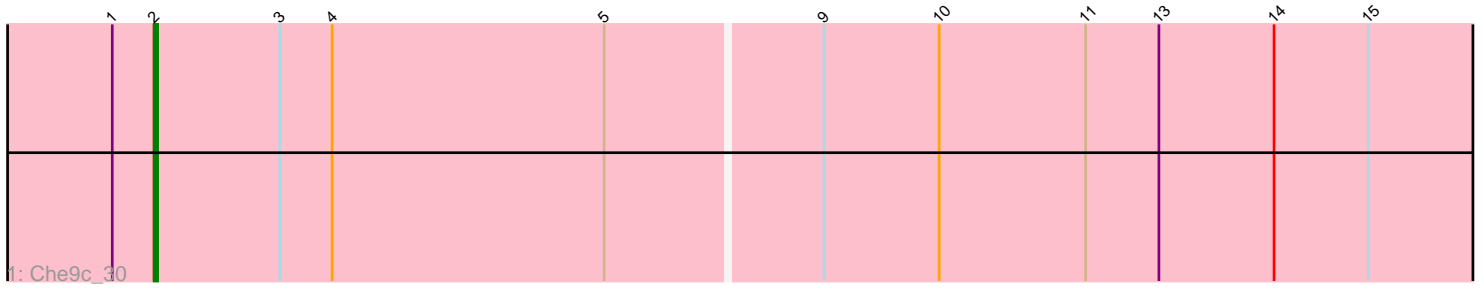


# Pham 196900



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 196900 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196900 has 17 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Che9c\_30
- Track 2 : BabeRuth\_34, Purgamenstris\_33, ShrimpFriedEgg\_33, Redi\_33, PhancyPhin\_33, Hanako\_33
- Track 3 : Bosection6\_31, Aggie\_31, Philonius\_31, Xeno\_30, SkinnyPete\_28
- Track 4 : Charlie\_31, Scitech\_28, Journey\_31, Silvy\_31
- Track 5 : Nенаe\_33

### ***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 11 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BabeRuth\_34, Charlie\_31, Che9c\_30, Hanako\_33, Journey\_31, Nенаe\_33, PhancyPhin\_33, Purgamenstris\_33, Redi\_33, Scitech\_28, ShrimpFriedEgg\_33, Silvy\_31,

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

- Aggie\_31, Bosection6\_31, Philonius\_31, SkinnyPete\_28, Xeno\_30,

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

- 

### **Summary by start number:**

Start 1:

- Found in 17 of 17 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 4 of 15
- Called 29.4% of time when present
- Phage (with cluster) where this start called: Aggie\_31 (N), Bosection6\_31 (N), Philonius\_31 (N), SkinnyPete\_28 (N), Xeno\_30 (N),

Start 2:

- Found in 17 of 17 ( 100.0% ) of genes in pham

- Manual Annotations of this start: 11 of 15
- Called 70.6% of time when present
- Phage (with cluster) where this start called: BabeRuth\_34 (N), Charlie\_31 (N), Che9c\_30 (I2), Hanako\_33 (N), Journey\_31 (N), Nенаe\_33 (N), PhancyPhin\_33 (N), Purgamenstris\_33 (N), Redi\_33 (N), Scitech\_28 (N), ShrimpFriedEgg\_33 (N), Silvy\_31 (N),

### **Summary by clusters:**

There are 2 clusters represented in this pham: I2, N,

Info for manual annotations of cluster I2:

- Start number 2 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster N:

- Start number 1 was manually annotated 4 times for cluster N.
- Start number 2 was manually annotated 10 times for cluster N.

### **Gene Information:**

Gene: Aggie\_31 Start: 25578, Stop: 25183, Start Num: 1

Candidate Starts for Aggie\_31:

(Start: 1 @25578 has 4 MA's), (Start: 2 @25566 has 11 MA's), (3, 25530), (4, 25515), (5, 25437), (10, 25344), (11, 25302), (12, 25299), (13, 25281), (15, 25221),

Gene: BabeRuth\_34 Start: 27217, Stop: 26834, Start Num: 2

Candidate Starts for BabeRuth\_34:

(Start: 1 @27229 has 4 MA's), (Start: 2 @27217 has 11 MA's), (3, 27181), (4, 27166), (5, 27088), (6, 27058), (8, 27043), (11, 26953), (12, 26950), (13, 26932), (14, 26899), (15, 26872),

Gene: Bosection6\_31 Start: 25577, Stop: 25182, Start Num: 1

Candidate Starts for Bosection6\_31:

(Start: 1 @25577 has 4 MA's), (Start: 2 @25565 has 11 MA's), (3, 25529), (4, 25514), (5, 25436), (10, 25343), (11, 25301), (12, 25298), (13, 25280), (15, 25220),

Gene: Charlie\_31 Start: 25565, Stop: 25182, Start Num: 2

Candidate Starts for Charlie\_31:

(Start: 1 @25577 has 4 MA's), (Start: 2 @25565 has 11 MA's), (3, 25529), (4, 25514), (5, 25436), (10, 25343), (11, 25301), (12, 25298), (13, 25280), (15, 25220),

Gene: Che9c\_30 Start: 27077, Stop: 26694, Start Num: 2

Candidate Starts for Che9c\_30:

(Start: 1 @27089 has 4 MA's), (Start: 2 @27077 has 11 MA's), (3, 27041), (4, 27026), (5, 26948), (9, 26888), (10, 26855), (11, 26813), (13, 26792), (14, 26759), (15, 26732),

Gene: Hanako\_33 Start: 27216, Stop: 26833, Start Num: 2

Candidate Starts for Hanako\_33:

(Start: 1 @27228 has 4 MA's), (Start: 2 @27216 has 11 MA's), (3, 27180), (4, 27165), (5, 27087), (6, 27057), (8, 27042), (11, 26952), (12, 26949), (13, 26931), (14, 26898), (15, 26871),

Gene: Journey\_31 Start: 25565, Stop: 25182, Start Num: 2

Candidate Starts for Journey\_31:

(Start: 1 @25577 has 4 MA's), (Start: 2 @25565 has 11 MA's), (3, 25529), (4, 25514), (5, 25436), (10, 25343), (11, 25301), (12, 25298), (13, 25280), (15, 25220),

Gene: Nenae\_33 Start: 27219, Stop: 26833, Start Num: 2

Candidate Starts for Nenae\_33:

(Start: 1 @27231 has 4 MA's), (Start: 2 @27219 has 11 MA's), (3, 27183), (4, 27168), (5, 27090), (6, 27060), (7, 27057), (8, 27042), (11, 26952), (12, 26949), (13, 26931), (14, 26898), (15, 26871),

Gene: PhancyPhin\_33 Start: 27213, Stop: 26830, Start Num: 2

Candidate Starts for PhancyPhin\_33:

(Start: 1 @27225 has 4 MA's), (Start: 2 @27213 has 11 MA's), (3, 27177), (4, 27162), (5, 27084), (6, 27054), (8, 27039), (11, 26949), (12, 26946), (13, 26928), (14, 26895), (15, 26868),

Gene: Philonius\_31 Start: 25568, Stop: 25173, Start Num: 1

Candidate Starts for Philonius\_31:

(Start: 1 @25568 has 4 MA's), (Start: 2 @25556 has 11 MA's), (3, 25520), (4, 25505), (5, 25427), (10, 25334), (11, 25292), (12, 25289), (13, 25271), (15, 25211),

Gene: Purgamenstris\_33 Start: 27216, Stop: 26833, Start Num: 2

Candidate Starts for Purgamenstris\_33:

(Start: 1 @27228 has 4 MA's), (Start: 2 @27216 has 11 MA's), (3, 27180), (4, 27165), (5, 27087), (6, 27057), (8, 27042), (11, 26952), (12, 26949), (13, 26931), (14, 26898), (15, 26871),

Gene: Redi\_33 Start: 27216, Stop: 26833, Start Num: 2

Candidate Starts for Redi\_33:

(Start: 1 @27228 has 4 MA's), (Start: 2 @27216 has 11 MA's), (3, 27180), (4, 27165), (5, 27087), (6, 27057), (8, 27042), (11, 26952), (12, 26949), (13, 26931), (14, 26898), (15, 26871),

Gene: Scitech\_28 Start: 24742, Stop: 24359, Start Num: 2

Candidate Starts for Scitech\_28:

(Start: 1 @24754 has 4 MA's), (Start: 2 @24742 has 11 MA's), (3, 24706), (4, 24691), (5, 24613), (10, 24520), (11, 24478), (12, 24475), (13, 24457), (15, 24397),

Gene: ShrimpFriedEgg\_33 Start: 27216, Stop: 26833, Start Num: 2

Candidate Starts for ShrimpFriedEgg\_33:

(Start: 1 @27228 has 4 MA's), (Start: 2 @27216 has 11 MA's), (3, 27180), (4, 27165), (5, 27087), (6, 27057), (8, 27042), (11, 26952), (12, 26949), (13, 26931), (14, 26898), (15, 26871),

Gene: Silvy\_31 Start: 25566, Stop: 25183, Start Num: 2

Candidate Starts for Silvy\_31:

(Start: 1 @25578 has 4 MA's), (Start: 2 @25566 has 11 MA's), (3, 25530), (4, 25515), (5, 25437), (10, 25344), (11, 25302), (12, 25299), (13, 25281), (15, 25221),

Gene: SkinnyPete\_28 Start: 24617, Stop: 24222, Start Num: 1

Candidate Starts for SkinnyPete\_28:

(Start: 1 @24617 has 4 MA's), (Start: 2 @24605 has 11 MA's), (3, 24569), (4, 24554), (5, 24476), (10, 24383), (11, 24341), (12, 24338), (13, 24320), (15, 24260),

Gene: Xeno\_30 Start: 25343, Stop: 24948, Start Num: 1

Candidate Starts for Xeno\_30:

(Start: 1 @25343 has 4 MA's), (Start: 2 @25331 has 11 MA's), (3, 25295), (4, 25280), (5, 25202), (10, 25109), (11, 25067), (12, 25064), (13, 25046), (15, 24986),

