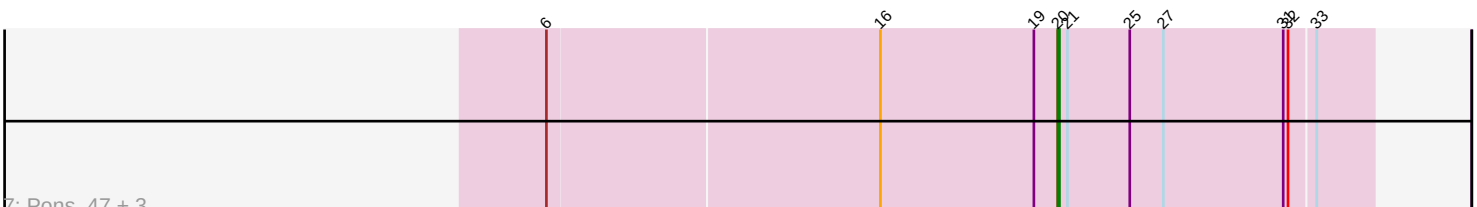
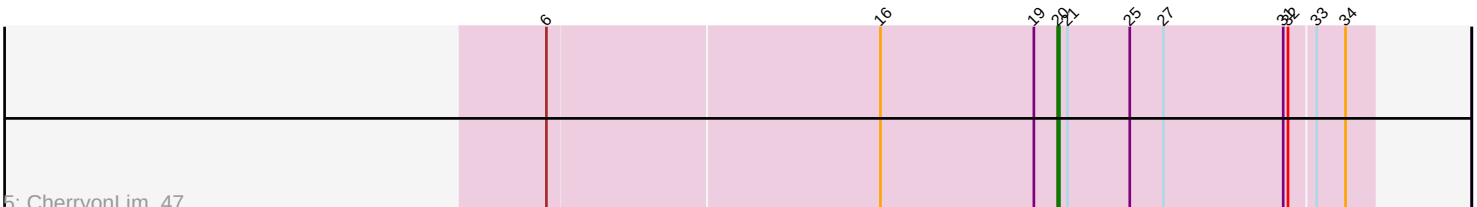
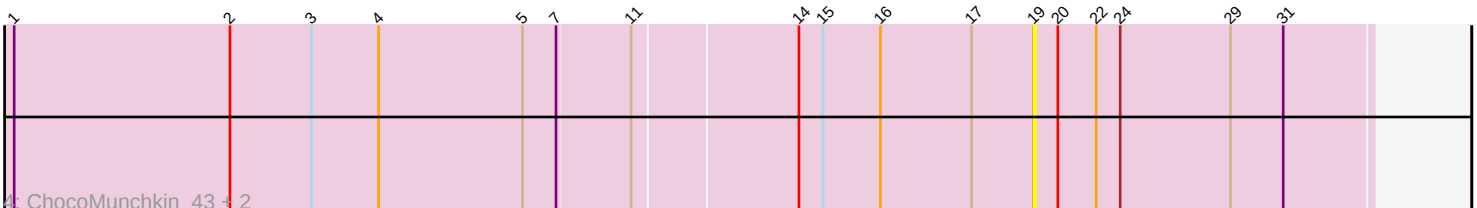
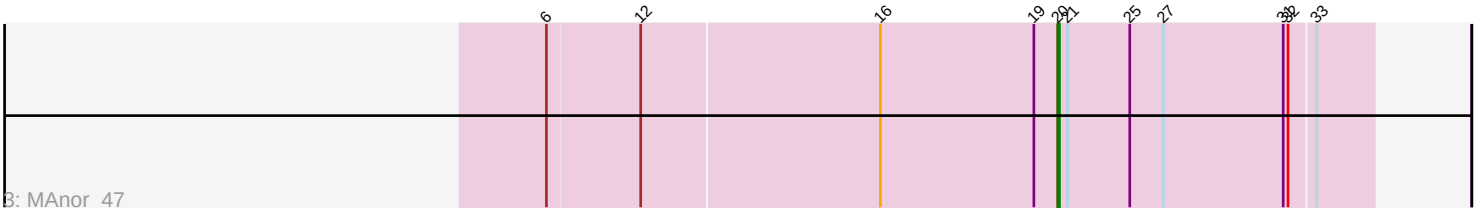
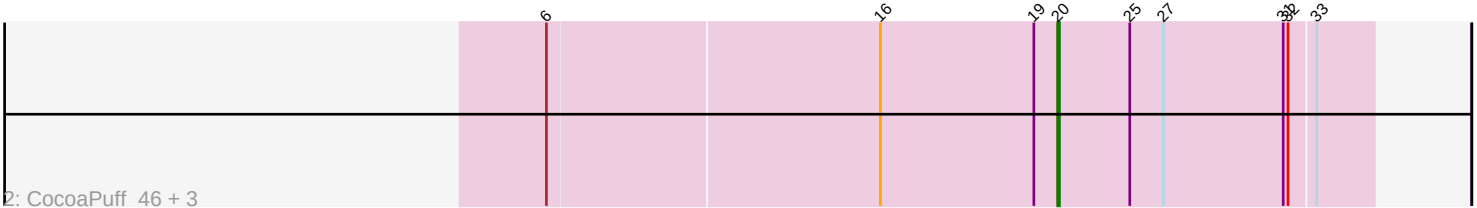
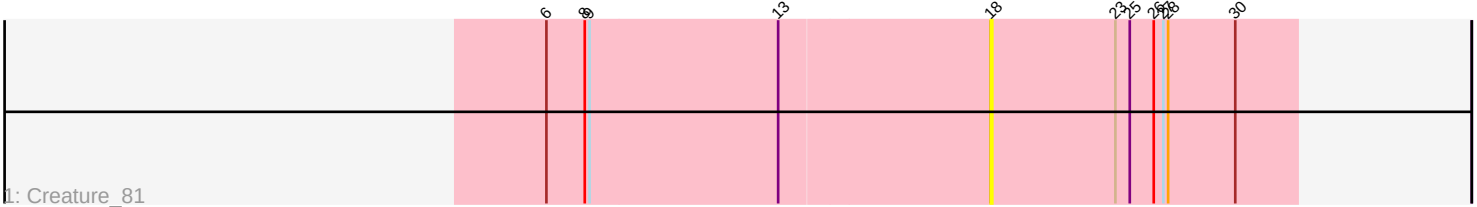


Pham 309513



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 309513 Report

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

Pham number 309513 has 15 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Creature\_81
- Track 2 : CocoaPuff\_46, BigChungus\_45, SummitAcademy\_45, Feastonyeet\_45
- Track 3 : MAnor\_47
- Track 4 : ChocoMunchkin\_43, CaramellLatte\_43, CanesSauce\_43
- Track 5 : CherryonLim\_47
- Track 6 : ChickenTender\_46
- Track 7 : Pons\_47, ElJefes\_47, Mayweather\_50, McDazzle\_48

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

The start number called the most often in the published annotations is 20, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BigChungus\_45, CherryonLim\_47, CocoaPuff\_46, ElJefes\_47, Feastonyeet\_45, MAnor\_47, Mayweather\_50, McDazzle\_48, Pons\_47, SummitAcademy\_45,

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

- CanesSauce\_43, CaramellLatte\_43, ChocoMunchkin\_43,

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

- ChickenTender\_46, Creature\_81,

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

Start 18:

- 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: Creature\_81 (BR),

Start 19:

- Found in 14 of 15 ( 93.3% ) of genes in pham
- No Manual Annotations of this start.

- Called 28.6% of time when present
- Phage (with cluster) where this start called: CanesSauce\_43 (CT), CaramelLatte\_43 (CT), ChickenTender\_46 (CT), ChocoMunchkin\_43 (CT),

Start 20:

- Found in 13 of 15 ( 86.7% ) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 76.9% of time when present
- Phage (with cluster) where this start called: BigChungus\_45 (CT), CherryonLim\_47 (CT), CocoaPuff\_46 (CT), ElJefes\_47 (CT), Feastonyet\_45 (CT), MAnor\_47 (CT), Mayweather\_50 (CT), McDazzle\_48 (CT), Pons\_47 (CT), SummitAcademy\_45 (CT),

### Summary by clusters:

There are 2 clusters represented in this pham: BR, CT,

Info for manual annotations of cluster CT:

- Start number 20 was manually annotated 7 times for cluster CT.

### Gene Information:

Gene: BigChungus\_45 Start: 34059, Stop: 33865, Start Num: 20

Candidate Starts for BigChungus\_45:

(6, 34374), (16, 34170), (19, 34074), (Start: 20 @34059 has 7 MA's), (25, 34014), (27, 33993), (31, 33918), (32, 33915), (33, 33900),

Gene: CanesSauce\_43 Start: 32535, Stop: 32326, Start Num: 19

Candidate Starts for CanesSauce\_43:

(1, 33165), (2, 33030), (3, 32979), (4, 32937), (5, 32847), (7, 32826), (11, 32781), (14, 32682), (15, 32667), (16, 32631), (17, 32574), (19, 32535), (Start: 20 @32520 has 7 MA's), (22, 32496), (24, 32481), (29, 32412), (31, 32379),

Gene: CaramelLatte\_43 Start: 32535, Stop: 32326, Start Num: 19

Candidate Starts for CaramelLatte\_43:

(1, 33165), (2, 33030), (3, 32979), (4, 32937), (5, 32847), (7, 32826), (11, 32781), (14, 32682), (15, 32667), (16, 32631), (17, 32574), (19, 32535), (Start: 20 @32520 has 7 MA's), (22, 32496), (24, 32481), (29, 32412), (31, 32379),

Gene: CherryonLim\_47 Start: 35643, Stop: 35449, Start Num: 20

Candidate Starts for CherryonLim\_47:

(6, 35958), (16, 35754), (19, 35658), (Start: 20 @35643 has 7 MA's), (21, 35637), (25, 35598), (27, 35577), (31, 35502), (32, 35499), (33, 35484), (34, 35466),

Gene: ChickenTender\_46 Start: 32362, Stop: 32090, Start Num: 19

Candidate Starts for ChickenTender\_46:

(7, 32653), (10, 32632), (11, 32608), (14, 32509), (17, 32401), (19, 32362), (27, 32281), (31, 32206), (33, 32185), (34, 32167), (35, 32116), (36, 32104),

Gene: ChocoMunchkin\_43 Start: 32535, Stop: 32326, Start Num: 19

Candidate Starts for ChocoMunchkin\_43:

(1, 33165), (2, 33030), (3, 32979), (4, 32937), (5, 32847), (7, 32826), (11, 32781), (14, 32682), (15, 32667), (16, 32631), (17, 32574), (19, 32535), (Start: 20 @32520 has 7 MA's), (22, 32496), (24, 32481), (29, 32412), (31, 32379),

Gene: CocoaPuff\_46 Start: 34064, Stop: 33870, Start Num: 20

Candidate Starts for CocoaPuff\_46:

(6, 34379), (16, 34175), (19, 34079), (Start: 20 @34064 has 7 MA's), (25, 34019), (27, 33998), (31, 33923), (32, 33920), (33, 33905),

Gene: Creature\_81 Start: 56776, Stop: 56967, Start Num: 18

Candidate Starts for Creature\_81:

(6, 56503), (8, 56527), (9, 56530), (13, 56647), (18, 56776), (23, 56854), (25, 56863), (26, 56878), (27, 56884), (28, 56887), (30, 56929),

Gene: ElJefes\_47 Start: 34579, Stop: 34385, Start Num: 20

Candidate Starts for ElJefes\_47:

(6, 34894), (16, 34690), (19, 34594), (Start: 20 @34579 has 7 MA's), (21, 34573), (25, 34534), (27, 34513), (31, 34438), (32, 34435), (33, 34420),

Gene: Feastonyeet\_45 Start: 34059, Stop: 33865, Start Num: 20

Candidate Starts for Feastonyeet\_45:

(6, 34374), (16, 34170), (19, 34074), (Start: 20 @34059 has 7 MA's), (25, 34014), (27, 33993), (31, 33918), (32, 33915), (33, 33900),

Gene: MAnor\_47 Start: 34789, Stop: 34595, Start Num: 20

Candidate Starts for MAnor\_47:

(6, 35104), (12, 35047), (16, 34900), (19, 34804), (Start: 20 @34789 has 7 MA's), (21, 34783), (25, 34744), (27, 34723), (31, 34648), (32, 34645), (33, 34630),

Gene: Mayweather\_50 Start: 35528, Stop: 35334, Start Num: 20

Candidate Starts for Mayweather\_50:

(6, 35843), (16, 35639), (19, 35543), (Start: 20 @35528 has 7 MA's), (21, 35522), (25, 35483), (27, 35462), (31, 35387), (32, 35384), (33, 35369),

Gene: McDazzle\_48 Start: 34573, Stop: 34379, Start Num: 20

Candidate Starts for McDazzle\_48:

(6, 34888), (16, 34684), (19, 34588), (Start: 20 @34573 has 7 MA's), (21, 34567), (25, 34528), (27, 34507), (31, 34432), (32, 34429), (33, 34414),

Gene: Pons\_47 Start: 34419, Stop: 34225, Start Num: 20

Candidate Starts for Pons\_47:

(6, 34734), (16, 34530), (19, 34434), (Start: 20 @34419 has 7 MA's), (21, 34413), (25, 34374), (27, 34353), (31, 34278), (32, 34275), (33, 34260),

Gene: SummitAcademy\_45 Start: 34183, Stop: 33989, Start Num: 20

Candidate Starts for SummitAcademy\_45:

(6, 34498), (16, 34294), (19, 34198), (Start: 20 @34183 has 7 MA's), (25, 34138), (27, 34117), (31, 34042), (32, 34039), (33, 34024),