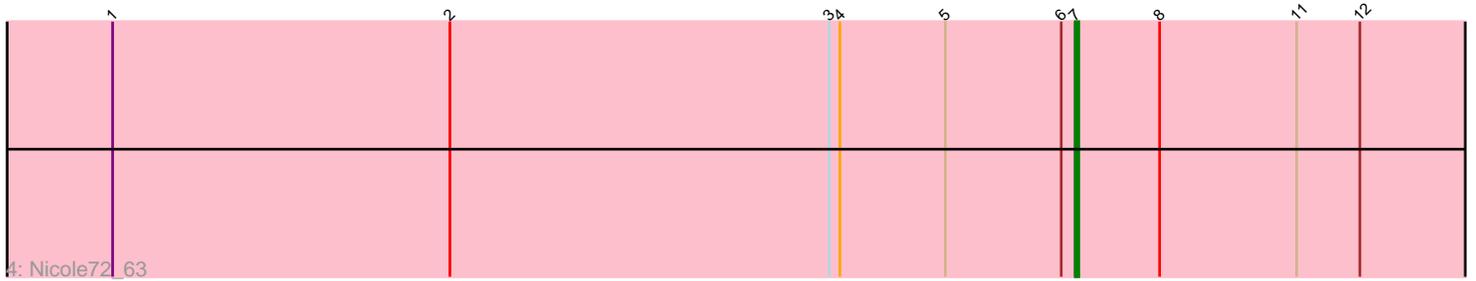
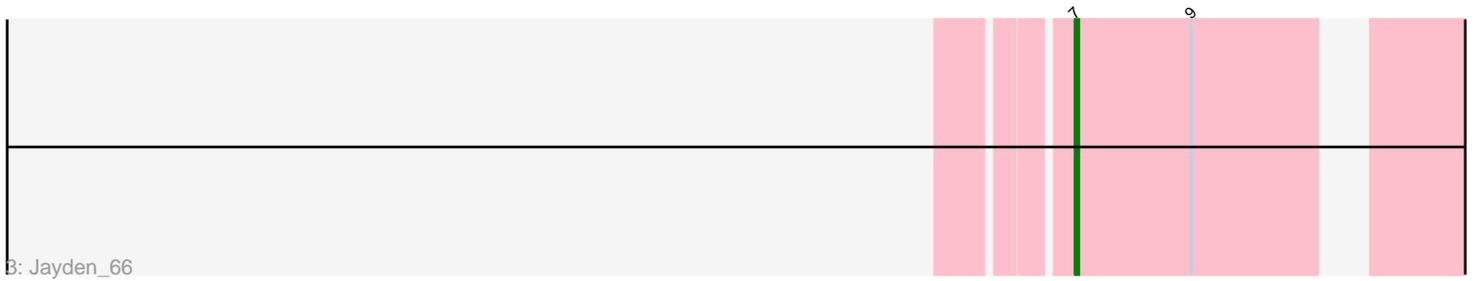
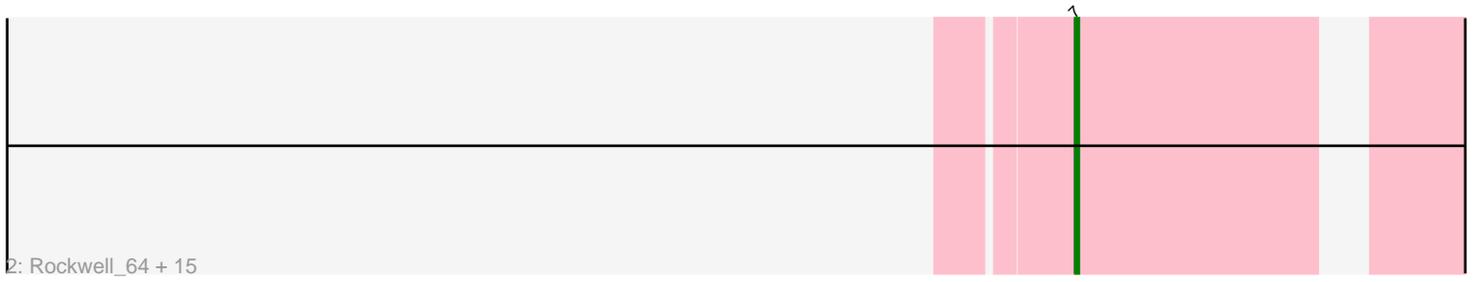
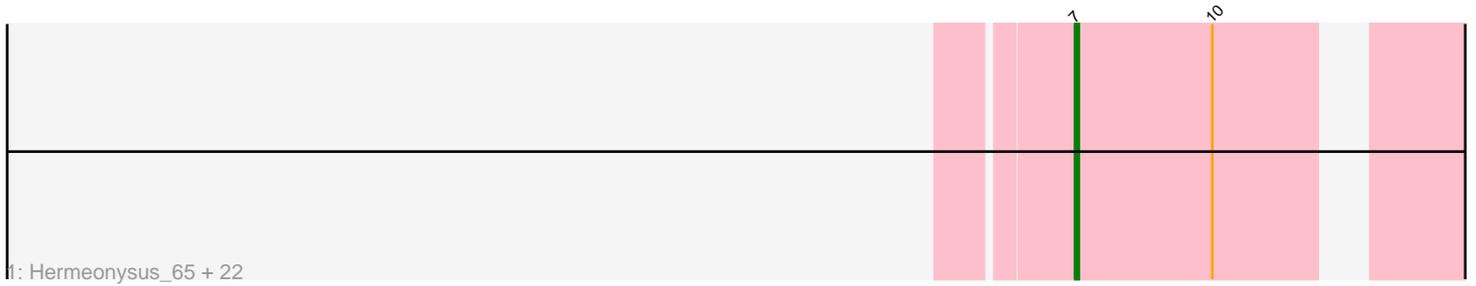


Pham 282303



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 282303 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282303 has 42 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Hermeonysus\_65, Shotgun\_65, Quhwah\_69, Cranjis\_66, Phrancesco\_65, PhedwardCullen\_63, Jefe\_65, Phorgeous\_65, Savannah\_64, Busephilis\_64, Crisis\_66, CrazyRich\_64, PierreOrion\_65, Selwyn23\_66, Scumberland\_67, BeagleBug\_64, Pulchra\_67, Ganandorf\_64, Lucretia\_65, LittleFortune\_67, Antares\_65, Glorp\_66, Honeyfin\_66
- Track 2 : Rockwell\_64, KaiHaiDragon\_66, EarickHC\_66, Piperis\_66, Paschalis\_65, NoodlelyBoi\_66, BrazzalePHS\_64, Zapato\_65, Onika\_64, ClearAsMud\_69, Yeti\_67, Ramiel05\_64, SirFrank\_65, Jollipop\_66, Kowalski\_64, PiperSansNom\_66
- Track 3 : Jayden\_66
- Track 4 : Nicole72\_63
- Track 5 : Skugga\_65

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

The start number called the most often in the published annotations is 7, it was called in 35 of the 35 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antares\_65, BeagleBug\_64, BrazzalePHS\_64, Busephilis\_64, ClearAsMud\_69, Cranjis\_66, CrazyRich\_64, Crisis\_66, EarickHC\_66, Ganandorf\_64, Glorp\_66, Hermeonysus\_65, Honeyfin\_66, Jayden\_66, Jefe\_65, Jollipop\_66, KaiHaiDragon\_66, Kowalski\_64, LittleFortune\_67, Lucretia\_65, Nicole72\_63, NoodlelyBoi\_66, Onika\_64, Paschalis\_65, PhedwardCullen\_63, Phorgeous\_65, Phrancesco\_65, PierreOrion\_65, PiperSansNom\_66, Piperis\_66, Pulchra\_67, Quhwah\_69, Ramiel05\_64, Rockwell\_64, Savannah\_64, Scumberland\_67, Selwyn23\_66, Shotgun\_65, SirFrank\_65, Skugga\_65, Yeti\_67, Zapato\_65,

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 7:

- Found in 42 of 42 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 35 of 35
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antares\_65 (EC), BeagleBug\_64 (EC), BrazzalePHS\_64 (EC), Busephilis\_64 (EC), ClearAsMud\_69 (EC), Cranjjs\_66 (EC), CrazyRich\_64 (EC), Crisis\_66 (EC), EarickHC\_66 (EC), Ganandorf\_64 (EC), Glorp\_66 (EC), Hermeonysus\_65 (EC), Honeyfin\_66 (EC), Jayden\_66 (EC), Jefe\_65 (EC), Jollipop\_66 (EC), KaiHaiDragon\_66 (EC), Kowalski\_64 (EC), LittleFortune\_67 (EC), Lucretia\_65 (EC), Nicole72\_63 (EC), NoodlelyBoi\_66 (EC), Onika\_64 (EC), Paschalis\_65 (EC), PhedwardCullen\_63 (EC), Phorgeous\_65 (EC), Phrancesco\_65 (EC), PierreOrion\_65 (EC), PiperSansNom\_66 (EC), Piperis\_66 (EC), Pulchra\_67 (EC), Quhwah\_69 (EC), Ramiel05\_64 (EC), Rockwell\_64 (EC), Savannah\_64 (EC), Scumberland\_67 (EC), Selwyn23\_66 (EC), Shotgun\_65 (EC), SirFrank\_65 (EC), Skugga\_65 (EC), Yeti\_67 (EC), Zapato\_65 (EC),

**Summary by clusters:**

There is one cluster represented in this pham: EC

Info for manual annotations of cluster EC:

- Start number 7 was manually annotated 35 times for cluster EC.

**Gene Information:**

Gene: Antares\_65 Start: 41522, Stop: 41647, Start Num: 7

Candidate Starts for Antares\_65:

(Start: 7 @41522 has 35 MA's), (10, 41561),

Gene: BeagleBug\_64 Start: 41302, Stop: 41427, Start Num: 7

Candidate Starts for BeagleBug\_64:

(Start: 7 @41302 has 35 MA's), (10, 41341),

Gene: BrazzalePHS\_64 Start: 41284, Stop: 41409, Start Num: 7

Candidate Starts for BrazzalePHS\_64:

(Start: 7 @41284 has 35 MA's),

Gene: Busephilis\_64 Start: 41229, Stop: 41354, Start Num: 7

Candidate Starts for Busephilis\_64:

(Start: 7 @41229 has 35 MA's), (10, 41268),

Gene: ClearAsMud\_69 Start: 41804, Stop: 41929, Start Num: 7

Candidate Starts for ClearAsMud\_69:

(Start: 7 @41804 has 35 MA's),

Gene: Cranjjs\_66 Start: 41477, Stop: 41602, Start Num: 7

Candidate Starts for Cranjjs\_66:

(Start: 7 @41477 has 35 MA's), (10, 41516),

Gene: CrazyRich\_64 Start: 41283, Stop: 41408, Start Num: 7

Candidate Starts for CrazyRich\_64:  
(Start: 7 @41283 has 35 MA's), (10, 41322),

Gene: Crisis\_66 Start: 41292, Stop: 41417, Start Num: 7  
Candidate Starts for Crisis\_66:  
(Start: 7 @41292 has 35 MA's), (10, 41331),

Gene: EarickHC\_66 Start: 41214, Stop: 41330, Start Num: 7  
Candidate Starts for EarickHC\_66:  
(Start: 7 @41214 has 35 MA's),

Gene: Ganandorf\_64 Start: 41310, Stop: 41435, Start Num: 7  
Candidate Starts for Ganandorf\_64:  
(Start: 7 @41310 has 35 MA's), (10, 41349),

Gene: Glorp\_66 Start: 41274, Stop: 41399, Start Num: 7  
Candidate Starts for Glorp\_66:  
(Start: 7 @41274 has 35 MA's), (10, 41313),

Gene: Hermeonysus\_65 Start: 41205, Stop: 41330, Start Num: 7  
Candidate Starts for Hermeonysus\_65:  
(Start: 7 @41205 has 35 MA's), (10, 41244),

Gene: Honeyfin\_66 Start: 41465, Stop: 41590, Start Num: 7  
Candidate Starts for Honeyfin\_66:  
(Start: 7 @41465 has 35 MA's), (10, 41504),

Gene: Jayden\_66 Start: 41805, Stop: 41930, Start Num: 7  
Candidate Starts for Jayden\_66:  
(Start: 7 @41805 has 35 MA's), (9, 41838),

Gene: Jefe\_65 Start: 41260, Stop: 41385, Start Num: 7  
Candidate Starts for Jefe\_65:  
(Start: 7 @41260 has 35 MA's), (10, 41299),

Gene: Jollipop\_66 Start: 41642, Stop: 41767, Start Num: 7  
Candidate Starts for Jollipop\_66:  
(Start: 7 @41642 has 35 MA's),

Gene: KaiHaiDragon\_66 Start: 41214, Stop: 41330, Start Num: 7  
Candidate Starts for KaiHaiDragon\_66:  
(Start: 7 @41214 has 35 MA's),

Gene: Kowalski\_64 Start: 41279, Stop: 41404, Start Num: 7  
Candidate Starts for Kowalski\_64:  
(Start: 7 @41279 has 35 MA's),

Gene: LittleFortune\_67 Start: 41570, Stop: 41695, Start Num: 7  
Candidate Starts for LittleFortune\_67:  
(Start: 7 @41570 has 35 MA's), (10, 41609),

Gene: Lucretia\_65 Start: 41192, Stop: 41317, Start Num: 7  
Candidate Starts for Lucretia\_65:

(Start: 7 @41192 has 35 MA's), (10, 41231),

Gene: Nicole72\_63 Start: 45975, Stop: 46112, Start Num: 7

Candidate Starts for Nicole72\_63:

(1, 45702), (2, 45798), (3, 45906), (4, 45909), (5, 45939), (6, 45972), (Start: 7 @45975 has 35 MA's), (8, 45999), (11, 46038), (12, 46056),

Gene: NoodlelyBoi\_66 Start: 42053, Stop: 42178, Start Num: 7

Candidate Starts for NoodlelyBoi\_66:

(Start: 7 @42053 has 35 MA's),

Gene: Onika\_64 Start: 41288, Stop: 41413, Start Num: 7

Candidate Starts for Onika\_64:

(Start: 7 @41288 has 35 MA's),

Gene: Paschalis\_65 Start: 41307, Stop: 41432, Start Num: 7

Candidate Starts for Paschalis\_65:

(Start: 7 @41307 has 35 MA's),

Gene: PhedwardCullen\_63 Start: 41030, Stop: 41155, Start Num: 7

Candidate Starts for PhedwardCullen\_63:

(Start: 7 @41030 has 35 MA's), (10, 41069),

Gene: Phorgeous\_65 Start: 41096, Stop: 41221, Start Num: 7

Candidate Starts for Phorgeous\_65:

(Start: 7 @41096 has 35 MA's), (10, 41135),

Gene: Phrancesco\_65 Start: 41419, Stop: 41544, Start Num: 7

Candidate Starts for Phrancesco\_65:

(Start: 7 @41419 has 35 MA's), (10, 41458),

Gene: PierreOrion\_65 Start: 41519, Stop: 41644, Start Num: 7

Candidate Starts for PierreOrion\_65:

(Start: 7 @41519 has 35 MA's), (10, 41558),

Gene: PiperSansNom\_66 Start: 41598, Stop: 41723, Start Num: 7

Candidate Starts for PiperSansNom\_66:

(Start: 7 @41598 has 35 MA's),

Gene: Piperis\_66 Start: 41221, Stop: 41346, Start Num: 7

Candidate Starts for Piperis\_66:

(Start: 7 @41221 has 35 MA's),

Gene: Pulchra\_67 Start: 41617, Stop: 41742, Start Num: 7

Candidate Starts for Pulchra\_67:

(Start: 7 @41617 has 35 MA's), (10, 41656),

Gene: Quhwah\_69 Start: 41906, Stop: 42031, Start Num: 7

Candidate Starts for Quhwah\_69:

(Start: 7 @41906 has 35 MA's), (10, 41945),

Gene: Ramiel05\_64 Start: 41279, Stop: 41404, Start Num: 7

Candidate Starts for Ramiel05\_64:

(Start: 7 @41279 has 35 MA's),

Gene: Rockwell\_64 Start: 41309, Stop: 41434, Start Num: 7

Candidate Starts for Rockwell\_64:

(Start: 7 @41309 has 35 MA's),

Gene: Savannah\_64 Start: 41336, Stop: 41461, Start Num: 7

Candidate Starts for Savannah\_64:

(Start: 7 @41336 has 35 MA's), (10, 41375),

Gene: Scumberland\_67 Start: 41531, Stop: 41656, Start Num: 7

Candidate Starts for Scumberland\_67:

(Start: 7 @41531 has 35 MA's), (10, 41570),

Gene: Selwyn23\_66 Start: 41448, Stop: 41573, Start Num: 7

Candidate Starts for Selwyn23\_66:

(Start: 7 @41448 has 35 MA's), (10, 41487),

Gene: Shotgun\_65 Start: 41215, Stop: 41340, Start Num: 7

Candidate Starts for Shotgun\_65:

(Start: 7 @41215 has 35 MA's), (10, 41254),

Gene: SirFrank\_65 Start: 41499, Stop: 41624, Start Num: 7

Candidate Starts for SirFrank\_65:

(Start: 7 @41499 has 35 MA's),

Gene: Skugga\_65 Start: 41757, Stop: 41882, Start Num: 7

Candidate Starts for Skugga\_65:

(Start: 7 @41757 has 35 MA's),

Gene: Yeti\_67 Start: 41253, Stop: 41378, Start Num: 7

Candidate Starts for Yeti\_67:

(Start: 7 @41253 has 35 MA's),

Gene: Zapato\_65 Start: 42107, Stop: 42232, Start Num: 7

Candidate Starts for Zapato\_65:

(Start: 7 @42107 has 35 MA's),