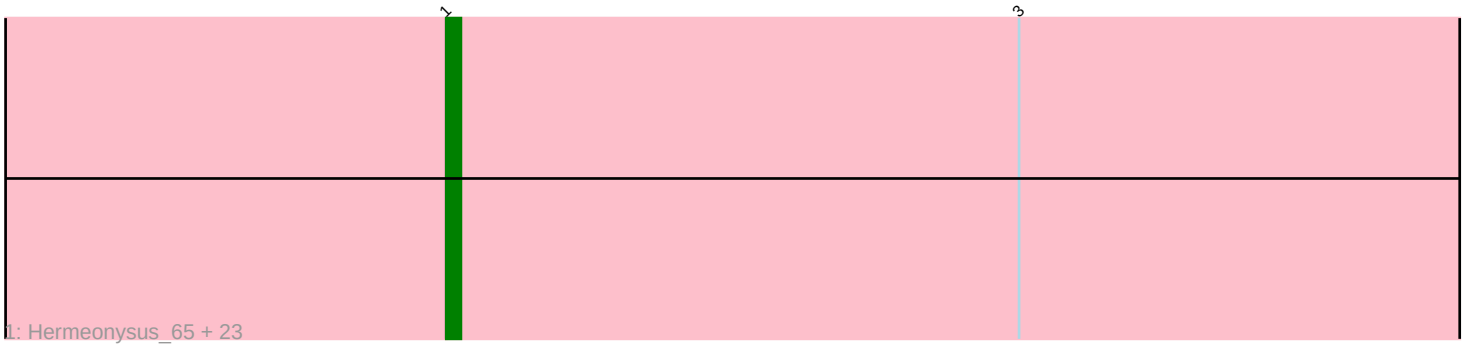
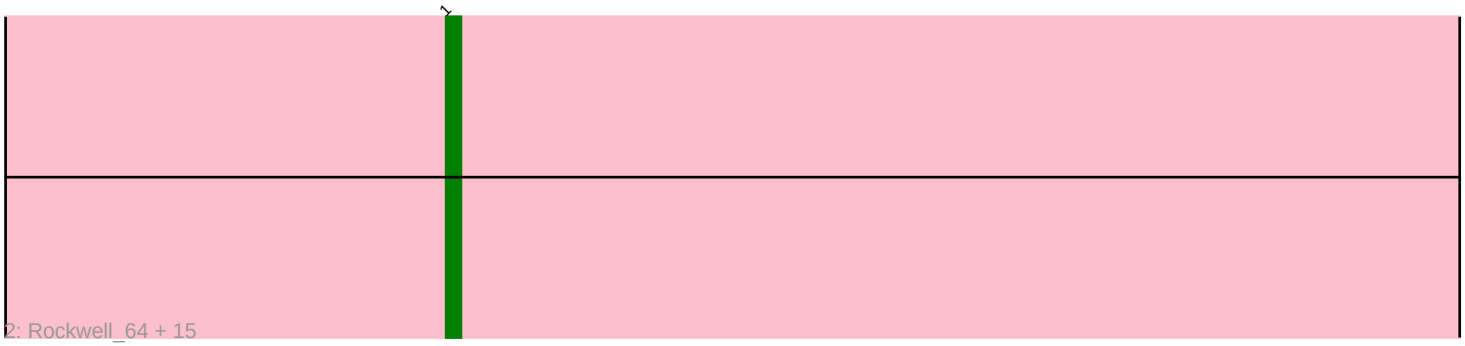
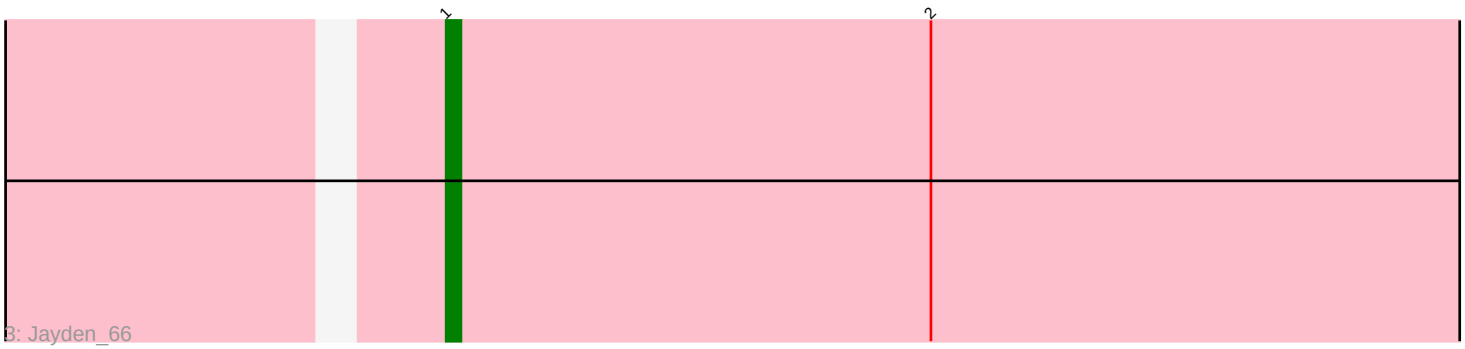
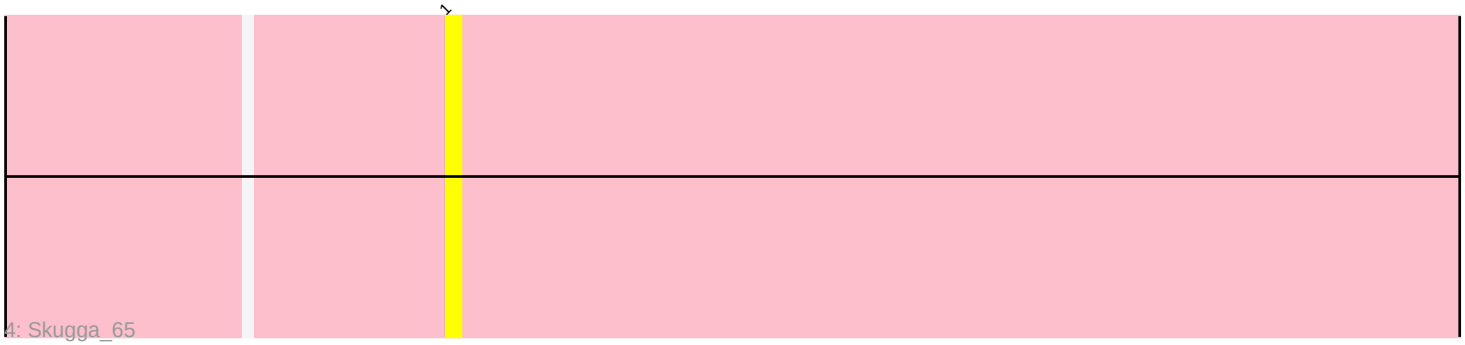
Pham 332980


1
3
1: Hermeonysus_65 + 23


1
2: Rockwell_64 + 15


1
2
3: Jayden_66


1
4: Skugga_65

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 332980 Report

This analysis was run 11/14/26 on database version 672.

Pham number 332980 has 42 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Hermeonysus_65, Shotgun_65, Quhwah_69, Phrancesco_65, PhedwardCullen_64, Jefe_65, Phorgeous_65, Savannah_64, PierreOrion_65, Crisis_66, CrazyRich_64, Busephilis_64, Selwyn23_66, Scumberland_67, BeagleBug_64, Pulchra_67, Ganandorf_64, Lucretia_65, LittleFortune_67, Cranjis_66, Antares_65, Germa_67, Glorp_66, Honeyfin_66
• Track 2 : Rockwell_64, KaiHaiDragon_66, EarickHC_66, Piperis_66, Paschalis_65, Jollipop_66, NoodlelyBoi_66, BrazzalePHS_64, Zapato_65, Onika_64, ClearAsMud_69, Yeti_67, Ramiel05_64, SirFrank_65, Kowalski_64, PiperSansNom_66
• Track 3 : Jayden_66
• Track 4 : 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 1, it was called in 36 of the 36 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, Germa_67, Glorp_66, Hermeonysus_65, Honeyfin_66, Jayden_66, Jefe_65, Jollipop_66, KaiHaiDragon_66, Kowalski_64, LittleFortune_67, Lucretia_65, NoodlelyBoi_66, Onika_64, Paschalis_65, PhedwardCullen_64, 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 1:
• Found in 42 of 42 (100.0%) of genes in pham
• Manual Annotations of this start: 36 of 36
• 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), Cranjis_66 (EC), CrazyRich_64 (EC), Crisis_66 (EC), EarickHC_66 (EC), Ganandorf_64 (EC), Germa_67 (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), NoodlelyBoi_66 (EC), Onika_64 (EC), Paschalis_65 (EC), PhedwardCullen_64 (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 1 was manually annotated 36 times for cluster EC.

Gene Information:

Gene: Antares_65 Start: 41522, Stop: 41647, Start Num: 1
Candidate Starts for Antares_65:
(Start: 1 @41522 has 36 MA's), (3, 41561),

Gene: BeagleBug_64 Start: 41302, Stop: 41427, Start Num: 1
Candidate Starts for BeagleBug_64:
(Start: 1 @41302 has 36 MA's), (3, 41341),

Gene: BrazzalePHS_64 Start: 41284, Stop: 41409, Start Num: 1
Candidate Starts for BrazzalePHS_64:
(Start: 1 @41284 has 36 MA's),

Gene: Busephilis_64 Start: 41229, Stop: 41354, Start Num: 1
Candidate Starts for Busephilis_64:
(Start: 1 @41229 has 36 MA's), (3, 41268),

Gene: ClearAsMud_69 Start: 41804, Stop: 41929, Start Num: 1
Candidate Starts for ClearAsMud_69:
(Start: 1 @41804 has 36 MA's),

Gene: Cranjis_66 Start: 41477, Stop: 41602, Start Num: 1
Candidate Starts for Cranjis_66:
(Start: 1 @41477 has 36 MA's), (3, 41516),

Gene: CrazyRich_64 Start: 41283, Stop: 41408, Start Num: 1

Candidate Starts for CrazyRich_64:
(Start: 1 @41283 has 36 MA's), (3, 41322),

Gene: Crisis_66 Start: 41292, Stop: 41417, Start Num: 1
Candidate Starts for Crisis_66:
(Start: 1 @41292 has 36 MA's), (3, 41331),

Gene: EarickHC_66 Start: 41214, Stop: 41330, Start Num: 1
Candidate Starts for EarickHC_66:
(Start: 1 @41214 has 36 MA's),

Gene: Ganandorf_64 Start: 41310, Stop: 41435, Start Num: 1
Candidate Starts for Ganandorf_64:
(Start: 1 @41310 has 36 MA's), (3, 41349),

Gene: Germa_67 Start: 41140, Stop: 41265, Start Num: 1
Candidate Starts for Germa_67:
(Start: 1 @41140 has 36 MA's), (3, 41179),

Gene: Glorp_66 Start: 41274, Stop: 41399, Start Num: 1
Candidate Starts for Glorp_66:
(Start: 1 @41274 has 36 MA's), (3, 41313),

Gene: Hermeonysus_65 Start: 41205, Stop: 41330, Start Num: 1
Candidate Starts for Hermeonysus_65:
(Start: 1 @41205 has 36 MA's), (3, 41244),

Gene: Honeyfin_66 Start: 41465, Stop: 41590, Start Num: 1
Candidate Starts for Honeyfin_66:
(Start: 1 @41465 has 36 MA's), (3, 41504),

Gene: Jayden_66 Start: 41805, Stop: 41930, Start Num: 1
Candidate Starts for Jayden_66:
(Start: 1 @41805 has 36 MA's), (2, 41838),

Gene: Jefe_65 Start: 41260, Stop: 41385, Start Num: 1
Candidate Starts for Jefe_65:
(Start: 1 @41260 has 36 MA's), (3, 41299),

Gene: Jollipop_66 Start: 41642, Stop: 41767, Start Num: 1
Candidate Starts for Jollipop_66:
(Start: 1 @41642 has 36 MA's),

Gene: KaiHaiDragon_66 Start: 41214, Stop: 41330, Start Num: 1
Candidate Starts for KaiHaiDragon_66:
(Start: 1 @41214 has 36 MA's),

Gene: Kowalski_64 Start: 41279, Stop: 41404, Start Num: 1
Candidate Starts for Kowalski_64:
(Start: 1 @41279 has 36 MA's),

Gene: LittleFortune_67 Start: 41570, Stop: 41695, Start Num: 1
Candidate Starts for LittleFortune_67:

(Start: 1 @41570 has 36 MA's), (3, 41609),

Gene: Lucretia_65 Start: 41192, Stop: 41317, Start Num: 1
Candidate Starts for Lucretia_65:
(Start: 1 @41192 has 36 MA's), (3, 41231),

Gene: NoodlelyBoi_66 Start: 42053, Stop: 42178, Start Num: 1
Candidate Starts for NoodlelyBoi_66:
(Start: 1 @42053 has 36 MA's),

Gene: Onika_64 Start: 41288, Stop: 41413, Start Num: 1
Candidate Starts for Onika_64:
(Start: 1 @41288 has 36 MA's),

Gene: Paschalis_65 Start: 41307, Stop: 41432, Start Num: 1
Candidate Starts for Paschalis_65:
(Start: 1 @41307 has 36 MA's),

Gene: PhedwardCullen_64 Start: 41030, Stop: 41155, Start Num: 1
Candidate Starts for PhedwardCullen_64:
(Start: 1 @41030 has 36 MA's), (3, 41069),

Gene: Phorgeous_65 Start: 41096, Stop: 41221, Start Num: 1
Candidate Starts for Phorgeous_65:
(Start: 1 @41096 has 36 MA's), (3, 41135),

Gene: Phrancesco_65 Start: 41419, Stop: 41544, Start Num: 1
Candidate Starts for Phrancesco_65:
(Start: 1 @41419 has 36 MA's), (3, 41458),

Gene: PierreOrion_65 Start: 41519, Stop: 41644, Start Num: 1
Candidate Starts for PierreOrion_65:
(Start: 1 @41519 has 36 MA's), (3, 41558),

Gene: PiperSansNom_66 Start: 41598, Stop: 41723, Start Num: 1
Candidate Starts for PiperSansNom_66:
(Start: 1 @41598 has 36 MA's),

Gene: Piperis_66 Start: 41221, Stop: 41346, Start Num: 1
Candidate Starts for Piperis_66:
(Start: 1 @41221 has 36 MA's),

Gene: Pulchra_67 Start: 41617, Stop: 41742, Start Num: 1
Candidate Starts for Pulchra_67:
(Start: 1 @41617 has 36 MA's), (3, 41656),

Gene: Quhwah_69 Start: 41906, Stop: 42031, Start Num: 1
Candidate Starts for Quhwah_69:
(Start: 1 @41906 has 36 MA's), (3, 41945),

Gene: Ramiel05_64 Start: 41279, Stop: 41404, Start Num: 1
Candidate Starts for Ramiel05_64:
(Start: 1 @41279 has 36 MA's),

Gene: Rockwell_64 Start: 41309, Stop: 41434, Start Num: 1
Candidate Starts for Rockwell_64:
(Start: 1 @41309 has 36 MA's),

Gene: Savannah_64 Start: 41336, Stop: 41461, Start Num: 1
Candidate Starts for Savannah_64:
(Start: 1 @41336 has 36 MA's), (3, 41375),

Gene: Scumberland_67 Start: 41531, Stop: 41656, Start Num: 1
Candidate Starts for Scumberland_67:
(Start: 1 @41531 has 36 MA's), (3, 41570),

Gene: Selwyn23_66 Start: 41448, Stop: 41573, Start Num: 1
Candidate Starts for Selwyn23_66:
(Start: 1 @41448 has 36 MA's), (3, 41487),

Gene: Shotgun_65 Start: 41215, Stop: 41340, Start Num: 1
Candidate Starts for Shotgun_65:
(Start: 1 @41215 has 36 MA's), (3, 41254),

Gene: SirFrank_65 Start: 41499, Stop: 41624, Start Num: 1
Candidate Starts for SirFrank_65:
(Start: 1 @41499 has 36 MA's),

Gene: Skugga_65 Start: 41757, Stop: 41882, Start Num: 1
Candidate Starts for Skugga_65:
(Start: 1 @41757 has 36 MA's),

Gene: Yeti_67 Start: 41253, Stop: 41378, Start Num: 1
Candidate Starts for Yeti_67:
(Start: 1 @41253 has 36 MA's),

Gene: Zapato_65 Start: 42107, Stop: 42232, Start Num: 1
Candidate Starts for Zapato_65:
(Start: 1 @42107 has 36 MA's),