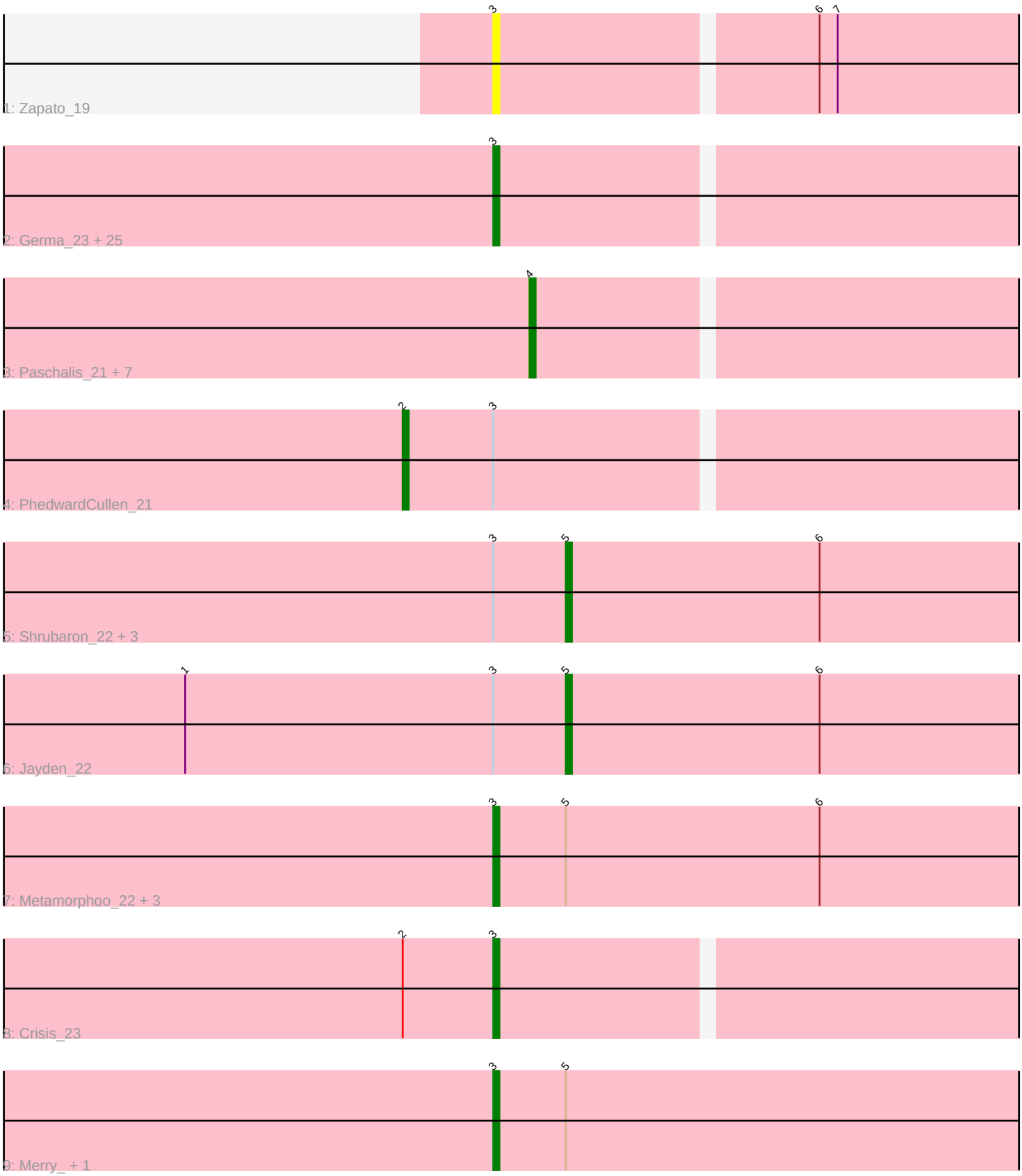
Pham 334948


3
6
7
1: Zapato_19
3
2: Germa_23 + 25
4
3: Paschalis_21 + 7
2
3
4: PhedwardCullen_21
3
5
6
5: Shrubaron_22 + 3
1
3
5
6
6: Jayden_22
3
5
6
7: Metamorphoo_22 + 3
2
3
8: Crisis_23
3
5
9: Merry_ + 1

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 334948 Report

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

Pham number 334948 has 48 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Zapato_19
• Track 2 : Germa_23, Ganandorf_21, Shotgun_21, Hermeonysus_21, Gina_22, Rockwell_21, CrazyRich_21, LittleFortune_23, Lucretia_22, Jefe_22, Savannah_21, BrazzalePHS_21, KaiHaiDragon_22, Onika_21, BeagleBug_21, Yeti_22, Selwyn23_23, Ramiel05_21, Cranjis_23, Pulchra_23, Glorp_23, Kowalski_21, Jollipop_22, Teamocil_22, EarickHC_22, PiperSansNom_22
• Track 3 : Paschalis_21, Phorgeous_21, PierreOrion_22, Piperis_22, Quhwah_24, Antares_22, Honeyfin_23, Scumberland_23
• Track 4 : PhedwardCullen_21
• Track 5 : Shrubaron_22, Tyrumbra_20, RobsFeet_23, Fireman_22
• Track 6 : Jayden_22
• Track 7 : Metamorphoo_22, ClearAsMud_24, SirFrank_21, NoodlelyBoi_21
• Track 8 : Crisis_23
• Track 9 : Merry_, Sunny_

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

The start number called the most often in the published annotations is 3, it was called in 30 of the 43 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BeagleBug_21, BrazzalePHS_21, ClearAsMud_24, Cranjis_23, CrazyRich_21, Crisis_23, EarickHC_22, Ganandorf_21, Germa_23, Gina_22, Glorp_23, Hermeonysus_21, Jefe_22, Jollipop_22, KaiHaiDragon_22, Kowalski_21, LittleFortune_23, Lucretia_22, Merry_, Metamorphoo_22, NoodlelyBoi_21, Onika_21, PiperSansNom_22, Pulchra_23, Ramiel05_21, Rockwell_21, Savannah_21, Selwyn23_23, Shotgun_21, SirFrank_21, Sunny_, Teamocil_22, Yeti_22, Zapato_19,

Genes that have the "Most Annotated" start but do not call it:
• Fireman_22, Jayden_22, PhedwardCullen_21, RobsFeet_23, Shrubaron_22, Tyrumbra_20,

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

• Antares_22, Honeyfin_23, Paschalis_21, Phorgeous_21, PierreOrion_22, Piperis_22, Quhwah_24, Scumberland_23,

Summary by start number:

Start 2:
• Found in 2 of 48 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 43
• Called 50.0% of time when present
• Phage (with cluster) where this start called: PhedwardCullen_21 (EC),

Start 3:
• Found in 40 of 48 (83.3%) of genes in pham
• Manual Annotations of this start: 30 of 43
• Called 85.0% of time when present
• Phage (with cluster) where this start called: BeagleBug_21 (EC), BrazzalePHS_21 (EC), ClearAsMud_24 (EC), Cranjis_23 (EC), CrazyRich_21 (EC), Crisis_23 (EC), EarickHC_22 (EC), Ganandorf_21 (EC), Germa_23 (EC), Gina_22 (EC), Glorp_23 (EC), Hermeonysus_21 (EC), Jefe_22 (EC), Jollipop_22 (EC), KaiHaiDragon_22 (EC), Kowalski_21 (EC), LittleFortune_23 (EC), Lucretia_22 (EC), Merry_ (EC), Metamorphoo_22 (EC), NoodlelyBoi_21 (EC), Onika_21 (EC), PiperSansNom_22 (EC), Pulchra_23 (EC), Ramiel05_21 (EC), Rockwell_21 (EC), Savannah_21 (EC), Selwyn23_23 (EC), Shotgun_21 (EC), SirFrank_21 (EC), Sunny_ (EC), Teamocil_22 (EC), Yeti_22 (EC), Zapato_19 (EC),

Start 4:
• Found in 8 of 48 (16.7%) of genes in pham
• Manual Annotations of this start: 7 of 43
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Antares_22 (EC), Honeyfin_23 (EC), Paschalis_21 (EC), Phorgeous_21 (EC), PierreOrion_22 (EC), Piperis_22 (EC), Quhwah_24 (EC), Scumberland_23 (EC),

Start 5:
• Found in 11 of 48 (22.9%) of genes in pham
• Manual Annotations of this start: 5 of 43
• Called 45.5% of time when present
• Phage (with cluster) where this start called: Fireman_22 (EC), Jayden_22 (EC), RobsFeet_23 (EC), Shrubaron_22 (EC), Tyrumbra_20 (EC),

Summary by clusters:

There is one cluster represented in this pham: EC

Info for manual annotations of cluster EC:
•Start number 2 was manually annotated 1 time for cluster EC.
•Start number 3 was manually annotated 30 times for cluster EC.
•Start number 4 was manually annotated 7 times for cluster EC.
•Start number 5 was manually annotated 5 times for cluster EC.

Gene Information:

Gene: Antares_22 Start: 10789, Stop: 10881, Start Num: 4
Candidate Starts for Antares_22:
(Start: 4 @10789 has 7 MA's),

Gene: BeagleBug_21 Start: 10561, Stop: 10659, Start Num: 3
Candidate Starts for BeagleBug_21:
(Start: 3 @10561 has 30 MA's),

Gene: BrazzalePHS_21 Start: 10575, Stop: 10673, Start Num: 3
Candidate Starts for BrazzalePHS_21:
(Start: 3 @10575 has 30 MA's),

Gene: ClearAsMud_24 Start: 11297, Stop: 11395, Start Num: 3
Candidate Starts for ClearAsMud_24:
(Start: 3 @11297 has 30 MA's), (Start: 5 @11309 has 5 MA's), (6, 11351),

Gene: Cranjis_23 Start: 10738, Stop: 10836, Start Num: 3
Candidate Starts for Cranjis_23:
(Start: 3 @10738 has 30 MA's),

Gene: CrazyRich_21 Start: 10548, Stop: 10646, Start Num: 3
Candidate Starts for CrazyRich_21:
(Start: 3 @10548 has 30 MA's),

Gene: Crisis_23 Start: 10532, Stop: 10630, Start Num: 3
Candidate Starts for Crisis_23:
(Start: 2 @10517 has 1 MA's), (Start: 3 @10532 has 30 MA's),

Gene: EarickHC_22 Start: 10459, Stop: 10557, Start Num: 3
Candidate Starts for EarickHC_22:
(Start: 3 @10459 has 30 MA's),

Gene: Fireman_22 Start: 10210, Stop: 10299, Start Num: 5
Candidate Starts for Fireman_22:
(Start: 3 @10198 has 30 MA's), (Start: 5 @10210 has 5 MA's), (6, 10252),

Gene: Ganandorf_21 Start: 10595, Stop: 10693, Start Num: 3
Candidate Starts for Ganandorf_21:
(Start: 3 @10595 has 30 MA's),

Gene: Germa_23 Start: 10424, Stop: 10522, Start Num: 3
Candidate Starts for Germa_23:
(Start: 3 @10424 has 30 MA's),

Gene: Gina_22 Start: 9728, Stop: 9826, Start Num: 3
Candidate Starts for Gina_22:
(Start: 3 @9728 has 30 MA's),

Gene: Glorp_23 Start: 10597, Stop: 10695, Start Num: 3
Candidate Starts for Glorp_23:
(Start: 3 @10597 has 30 MA's),

Gene: Hermeonysus_21 Start: 10465, Stop: 10563, Start Num: 3

Candidate Starts for Hermeonysus_21:
(Start: 3 @10465 has 30 MA's),

Gene: Honeyfin_23 Start: 10786, Stop: 10878, Start Num: 4
Candidate Starts for Honeyfin_23:
(Start: 4 @10786 has 7 MA's),

Gene: Jayden_22 Start: 10133, Stop: 10222, Start Num: 5
Candidate Starts for Jayden_22:
(1, 10070), (Start: 3 @10121 has 30 MA's), (Start: 5 @10133 has 5 MA's), (6, 10175),

Gene: Jefe_22 Start: 10518, Stop: 10616, Start Num: 3
Candidate Starts for Jefe_22:
(Start: 3 @10518 has 30 MA's),

Gene: Jollipop_22 Start: 10866, Stop: 10964, Start Num: 3
Candidate Starts for Jollipop_22:
(Start: 3 @10866 has 30 MA's),

Gene: KaiHaiDragon_22 Start: 10459, Stop: 10557, Start Num: 3
Candidate Starts for KaiHaiDragon_22:
(Start: 3 @10459 has 30 MA's),

Gene: Kowalski_21 Start: 10575, Stop: 10673, Start Num: 3
Candidate Starts for Kowalski_21:
(Start: 3 @10575 has 30 MA's),

Gene: LittleFortune_23 Start: 10822, Stop: 10920, Start Num: 3
Candidate Starts for LittleFortune_23:
(Start: 3 @10822 has 30 MA's),

Gene: Lucretia_22 Start: 10512, Stop: 10610, Start Num: 3
Candidate Starts for Lucretia_22:
(Start: 3 @10512 has 30 MA's),

Gene: Merry_ Start: 10556, Stop: 10660, Start Num: 3
Candidate Starts for Merry_:
(Start: 3 @10556 has 30 MA's), (Start: 5 @10568 has 5 MA's),

Gene: Metamorphoo_22 Start: 10184, Stop: 10285, Start Num: 3
Candidate Starts for Metamorphoo_22:
(Start: 3 @10184 has 30 MA's), (Start: 5 @10196 has 5 MA's), (6, 10238),

Gene: NoodlelyBoi_21 Start: 10604, Stop: 10702, Start Num: 3
Candidate Starts for NoodlelyBoi_21:
(Start: 3 @10604 has 30 MA's), (Start: 5 @10616 has 5 MA's), (6, 10658),

Gene: Onika_21 Start: 10548, Stop: 10646, Start Num: 3
Candidate Starts for Onika_21:
(Start: 3 @10548 has 30 MA's),

Gene: Paschalis_21 Start: 10570, Stop: 10662, Start Num: 4
Candidate Starts for Paschalis_21:

(Start: 4 @10570 has 7 MA's),

Gene: PhedwardCullen_21 Start: 10293, Stop: 10406, Start Num: 2
Candidate Starts for PhedwardCullen_21:
(Start: 2 @10293 has 1 MA's), (Start: 3 @10308 has 30 MA's),

Gene: Phorgeous_21 Start: 10422, Stop: 10514, Start Num: 4
Candidate Starts for Phorgeous_21:
(Start: 4 @10422 has 7 MA's),

Gene: PierreOrion_22 Start: 10725, Stop: 10817, Start Num: 4
Candidate Starts for PierreOrion_22:
(Start: 4 @10725 has 7 MA's),

Gene: PiperSansNom_22 Start: 10868, Stop: 10966, Start Num: 3
Candidate Starts for PiperSansNom_22:
(Start: 3 @10868 has 30 MA's),

Gene: Piperis_22 Start: 10547, Stop: 10639, Start Num: 4
Candidate Starts for Piperis_22:
(Start: 4 @10547 has 7 MA's),

Gene: Pulchra_23 Start: 10940, Stop: 11038, Start Num: 3
Candidate Starts for Pulchra_23:
(Start: 3 @10940 has 30 MA's),

Gene: Quhwah_24 Start: 10925, Stop: 11017, Start Num: 4
Candidate Starts for Quhwah_24:
(Start: 4 @10925 has 7 MA's),

Gene: Ramiel05_21 Start: 10575, Stop: 10673, Start Num: 3
Candidate Starts for Ramiel05_21:
(Start: 3 @10575 has 30 MA's),

Gene: RobsFeet_23 Start: 10477, Stop: 10566, Start Num: 5
Candidate Starts for RobsFeet_23:
(Start: 3 @10465 has 30 MA's), (Start: 5 @10477 has 5 MA's), (6, 10519),

Gene: Rockwell_21 Start: 10575, Stop: 10673, Start Num: 3
Candidate Starts for Rockwell_21:
(Start: 3 @10575 has 30 MA's),

Gene: Savannah_21 Start: 10599, Stop: 10697, Start Num: 3
Candidate Starts for Savannah_21:
(Start: 3 @10599 has 30 MA's),

Gene: Scumberland_23 Start: 10795, Stop: 10887, Start Num: 4
Candidate Starts for Scumberland_23:
(Start: 4 @10795 has 7 MA's),

Gene: Selwyn23_23 Start: 10768, Stop: 10866, Start Num: 3
Candidate Starts for Selwyn23_23:
(Start: 3 @10768 has 30 MA's),

Gene: Shotgun_21 Start: 10397, Stop: 10495, Start Num: 3
Candidate Starts for Shotgun_21:
(Start: 3 @10397 has 30 MA's),

Gene: Shrubaron_22 Start: 10112, Stop: 10201, Start Num: 5
Candidate Starts for Shrubaron_22:
(Start: 3 @10100 has 30 MA's), (Start: 5 @10112 has 5 MA's), (6, 10154),

Gene: SirFrank_21 Start: 10454, Stop: 10552, Start Num: 3
Candidate Starts for SirFrank_21:
(Start: 3 @10454 has 30 MA's), (Start: 5 @10466 has 5 MA's), (6, 10508),

Gene: Sunny_ Start: 10556, Stop: 10660, Start Num: 3
Candidate Starts for Sunny_:
(Start: 3 @10556 has 30 MA's), (Start: 5 @10568 has 5 MA's),

Gene: Teamocil_22 Start: 9728, Stop: 9826, Start Num: 3
Candidate Starts for Teamocil_22:
(Start: 3 @9728 has 30 MA's),

Gene: Tyrumbra_20 Start: 9553, Stop: 9642, Start Num: 5
Candidate Starts for Tyrumbra_20:
(Start: 3 @9541 has 30 MA's), (Start: 5 @9553 has 5 MA's), (6, 9595),

Gene: Yeti_22 Start: 10571, Stop: 10669, Start Num: 3
Candidate Starts for Yeti_22:
(Start: 3 @10571 has 30 MA's),

Gene: Zapato_19 Start: 9771, Stop: 9869, Start Num: 3
Candidate Starts for Zapato_19:
(Start: 3 @9771 has 30 MA's), (6, 9822), (7, 9825),