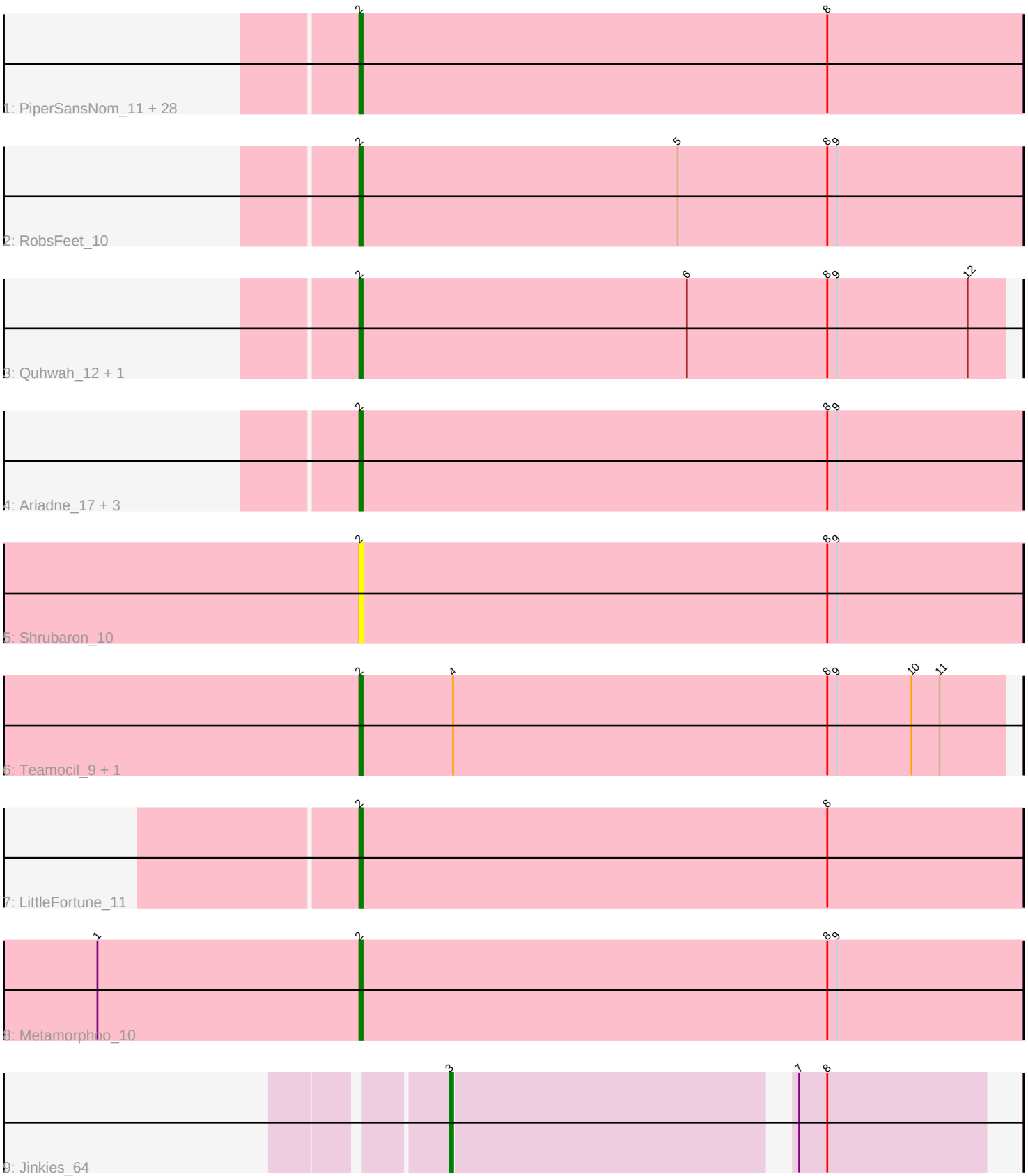
Pham 224703


2
8
1: PiperSansNom_11 + 28
2
5
8
9
2: RobsFeet_10
2
6
8
9
12
3: Quhwah_12 + 1
2
8
9
4: Ariadne_17 + 3
2
8
9
5: Shrubaron_10
2
4
8
9
10
11
6: Teamocil_9 + 1
2
8
7: LittleFortune_11
1
2
8
9
8: Metamorphoo_10
3
7
8
9: Jinkies_64

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 224703 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224703 has 42 members, 5 are drafts.

Phages represented in each track:
• Track 1 : PiperSansNom_11, Yeti_11, Piperis_11, Onika_10, Pulchra_12, Selwyn23_12, Ramiel05_10, Glorp_11, SirFrank_10, Cranjis_11, Antares_11, NoodlelyBoi_10, Jollipop_10, Honeyfin_12, Kowalski_10, Phrancesco_12, Scumberland_12, EarickHC_11, PierreOrion_11, Shotgun_10, Hermeonysus_10, PhedwardCullen_10, Busephilis_11, Savannah_10, Jefe_11, Phorgeous_10, Crisis_11, KaiHaiDragon_11, BrazzalePHS_10
• Track 2 : RobsFeet_10
• Track 3 : Quhwah_12, ClearAsMud_11
• Track 4 : Ariadne_17, CrazyRich_10, Paschalis_10, Smarties_17
• Track 5 : Shrubaron_10
• Track 6 : Teamocil_9, Gina_9
• Track 7 : LittleFortune_11
• Track 8 : Metamorphoo_10
• Track 9 : Jinkies_64

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 36 of the 37 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Antares_11, Ariadne_17, BrazzalePHS_10, Busephilis_11, ClearAsMud_11, Cranjis_11, CrazyRich_10, Crisis_11, EarickHC_11, Gina_9, Glorp_11, Hermeonysus_10, Honeyfin_12, Jefe_11, Jollipop_10, KaiHaiDragon_11, Kowalski_10, LittleFortune_11, Metamorphoo_10, NoodlelyBoi_10, Onika_10, Paschalis_10, PhedwardCullen_10, Phorgeous_10, Phrancesco_12, PierreOrion_11, PiperSansNom_11, Piperis_11, Pulchra_12, Quhwah_12, Ramiel05_10, RobsFeet_10, Savannah_10, Scumberland_12, Selwyn23_12, Shotgun_10, Shrubaron_10, SirFrank_10, Smarties_17, Teamocil_9, Yeti_11,

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

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

• Jinkies_64,

Summary by start number:

Start 2:
• Found in 41 of 42 (97.6%) of genes in pham
• Manual Annotations of this start: 36 of 37
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Antares_11 (EC), Ariadne_17 (EC), BrazzalePHS_10 (EC), Busephilis_11 (EC), ClearAsMud_11 (EC), Cranjis_11 (EC), CrazyRich_10 (EC), Crisis_11 (EC), EarickHC_11 (EC), Gina_9 (EC), Glorp_11 (EC), Hermeonysus_10 (EC), Honeyfin_12 (EC), Jefe_11 (EC), Jollipop_10 (EC), KaiHaiDragon_11 (EC), Kowalski_10 (EC), LittleFortune_11 (EC), Metamorphoo_10 (EC), NoodlelyBoi_10 (EC), Onika_10 (EC), Paschalis_10 (EC), PhedwardCullen_10 (EC), Phorgeous_10 (EC), Phrancesco_12 (EC), PierreOrion_11 (EC), PiperSansNom_11 (EC), Piperis_11 (EC), Pulchra_12 (EC), Quhwah_12 (EC), Ramiel05_10 (EC), RobsFeet_10 (EC), Savannah_10 (EC), Scumberland_12 (EC), Selwyn23_12 (EC), Shotgun_10 (EC), Shrubaron_10 (EC), SirFrank_10 (EC), Smarties_17 (EC), Teamocil_9 (EC), Yeti_11 (EC),

Start 3:
• Found in 1 of 42 (2.4%) of genes in pham
• Manual Annotations of this start: 1 of 37
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jinkies_64 (FL),

Summary by clusters:

There are 2 clusters represented in this pham: FL, EC,

Info for manual annotations of cluster EC:
•Start number 2 was manually annotated 36 times for cluster EC.

Info for manual annotations of cluster FL:
•Start number 3 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: Antares_11 Start: 5192, Stop: 5404, Start Num: 2
Candidate Starts for Antares_11:
(Start: 2 @5192 has 36 MA's), (8, 5342),

Gene: Ariadne_17 Start: 6352, Stop: 6564, Start Num: 2
Candidate Starts for Ariadne_17:
(Start: 2 @6352 has 36 MA's), (8, 6502), (9, 6505),

Gene: BrazzalePHS_10 Start: 4980, Stop: 5192, Start Num: 2
Candidate Starts for BrazzalePHS_10:
(Start: 2 @4980 has 36 MA's), (8, 5130),

Gene: Busephilis_11 Start: 5198, Stop: 5410, Start Num: 2

Candidate Starts for Busephilis_11:
(Start: 2 @5198 has 36 MA's), (8, 5348),

Gene: ClearAsMud_11 Start: 5413, Stop: 5619, Start Num: 2
Candidate Starts for ClearAsMud_11:
(Start: 2 @5413 has 36 MA's), (6, 5518), (8, 5563), (9, 5566), (12, 5608),

Gene: Cranjis_11 Start: 5144, Stop: 5356, Start Num: 2
Candidate Starts for Cranjis_11:
(Start: 2 @5144 has 36 MA's), (8, 5294),

Gene: CrazyRich_10 Start: 4980, Stop: 5192, Start Num: 2
Candidate Starts for CrazyRich_10:
(Start: 2 @4980 has 36 MA's), (8, 5130), (9, 5133),

Gene: Crisis_11 Start: 5144, Stop: 5356, Start Num: 2
Candidate Starts for Crisis_11:
(Start: 2 @5144 has 36 MA's), (8, 5294),

Gene: EarickHC_11 Start: 5144, Stop: 5356, Start Num: 2
Candidate Starts for EarickHC_11:
(Start: 2 @5144 has 36 MA's), (8, 5294),

Gene: Gina_9 Start: 4101, Stop: 4307, Start Num: 2
Candidate Starts for Gina_9:
(Start: 2 @4101 has 36 MA's), (4, 4131), (8, 4251), (9, 4254), (10, 4278), (11, 4287),

Gene: Glorp_11 Start: 5144, Stop: 5356, Start Num: 2
Candidate Starts for Glorp_11:
(Start: 2 @5144 has 36 MA's), (8, 5294),

Gene: Hermeonysus_10 Start: 4980, Stop: 5192, Start Num: 2
Candidate Starts for Hermeonysus_10:
(Start: 2 @4980 has 36 MA's), (8, 5130),

Gene: Honeyfin_12 Start: 5353, Stop: 5565, Start Num: 2
Candidate Starts for Honeyfin_12:
(Start: 2 @5353 has 36 MA's), (8, 5503),

Gene: Jefe_11 Start: 5192, Stop: 5404, Start Num: 2
Candidate Starts for Jefe_11:
(Start: 2 @5192 has 36 MA's), (8, 5342),

Gene: Jinkies_64 Start: 42114, Stop: 42275, Start Num: 3
Candidate Starts for Jinkies_64:
(Start: 3 @42114 has 1 MA's), (7, 42216), (8, 42225),

Gene: Jollipop_10 Start: 4980, Stop: 5192, Start Num: 2
Candidate Starts for Jollipop_10:
(Start: 2 @4980 has 36 MA's), (8, 5130),

Gene: KaiHaiDragon_11 Start: 5144, Stop: 5356, Start Num: 2
Candidate Starts for KaiHaiDragon_11:

(Start: 2 @5144 has 36 MA's), (8, 5294),

Gene: Kowalski_10 Start: 4980, Stop: 5192, Start Num: 2
Candidate Starts for Kowalski_10:
(Start: 2 @4980 has 36 MA's), (8, 5130),

Gene: LittleFortune_11 Start: 5198, Stop: 5410, Start Num: 2
Candidate Starts for LittleFortune_11:
(Start: 2 @5198 has 36 MA's), (8, 5348),

Gene: Metamorphoo_10 Start: 4549, Stop: 4761, Start Num: 2
Candidate Starts for Metamorphoo_10:
(1, 4465), (Start: 2 @4549 has 36 MA's), (8, 4699), (9, 4702),

Gene: NoodlelyBoi_10 Start: 4989, Stop: 5201, Start Num: 2
Candidate Starts for NoodlelyBoi_10:
(Start: 2 @4989 has 36 MA's), (8, 5139),

Gene: Onika_10 Start: 4980, Stop: 5192, Start Num: 2
Candidate Starts for Onika_10:
(Start: 2 @4980 has 36 MA's), (8, 5130),

Gene: Paschalis_10 Start: 4989, Stop: 5201, Start Num: 2
Candidate Starts for Paschalis_10:
(Start: 2 @4989 has 36 MA's), (8, 5139), (9, 5142),

Gene: PhedwardCullen_10 Start: 4986, Stop: 5198, Start Num: 2
Candidate Starts for PhedwardCullen_10:
(Start: 2 @4986 has 36 MA's), (8, 5136),

Gene: Phorgeous_10 Start: 4989, Stop: 5201, Start Num: 2
Candidate Starts for Phorgeous_10:
(Start: 2 @4989 has 36 MA's), (8, 5139),

Gene: Phrancesco_12 Start: 5362, Stop: 5574, Start Num: 2
Candidate Starts for Phrancesco_12:
(Start: 2 @5362 has 36 MA's), (8, 5512),

Gene: PierreOrion_11 Start: 5144, Stop: 5356, Start Num: 2
Candidate Starts for PierreOrion_11:
(Start: 2 @5144 has 36 MA's), (8, 5294),

Gene: PiperSansNom_11 Start: 5293, Stop: 5505, Start Num: 2
Candidate Starts for PiperSansNom_11:
(Start: 2 @5293 has 36 MA's), (8, 5443),

Gene: Piperis_11 Start: 5144, Stop: 5356, Start Num: 2
Candidate Starts for Piperis_11:
(Start: 2 @5144 has 36 MA's), (8, 5294),

Gene: Pulchra_12 Start: 5374, Stop: 5586, Start Num: 2
Candidate Starts for Pulchra_12:
(Start: 2 @5374 has 36 MA's), (8, 5524),

Gene: Quhwah_12 Start: 5356, Stop: 5562, Start Num: 2
Candidate Starts for Quhwah_12:
(Start: 2 @5356 has 36 MA's), (6, 5461), (8, 5506), (9, 5509), (12, 5551),

Gene: Ramiel05_10 Start: 4980, Stop: 5192, Start Num: 2
Candidate Starts for Ramiel05_10:
(Start: 2 @4980 has 36 MA's), (8, 5130),

Gene: RobsFeet_10 Start: 4716, Stop: 4928, Start Num: 2
Candidate Starts for RobsFeet_10:
(Start: 2 @4716 has 36 MA's), (5, 4818), (8, 4866), (9, 4869),

Gene: Savannah_10 Start: 5004, Stop: 5216, Start Num: 2
Candidate Starts for Savannah_10:
(Start: 2 @5004 has 36 MA's), (8, 5154),

Gene: Scumberland_12 Start: 5362, Stop: 5574, Start Num: 2
Candidate Starts for Scumberland_12:
(Start: 2 @5362 has 36 MA's), (8, 5512),

Gene: Selwyn23_12 Start: 5374, Stop: 5586, Start Num: 2
Candidate Starts for Selwyn23_12:
(Start: 2 @5374 has 36 MA's), (8, 5524),

Gene: Shotgun_10 Start: 4980, Stop: 5192, Start Num: 2
Candidate Starts for Shotgun_10:
(Start: 2 @4980 has 36 MA's), (8, 5130),

Gene: Shrubaron_10 Start: 4555, Stop: 4767, Start Num: 2
Candidate Starts for Shrubaron_10:
(Start: 2 @4555 has 36 MA's), (8, 4705), (9, 4708),

Gene: SirFrank_10 Start: 5037, Stop: 5249, Start Num: 2
Candidate Starts for SirFrank_10:
(Start: 2 @5037 has 36 MA's), (8, 5187),

Gene: Smarties_17 Start: 6352, Stop: 6564, Start Num: 2
Candidate Starts for Smarties_17:
(Start: 2 @6352 has 36 MA's), (8, 6502), (9, 6505),

Gene: Teamocil_9 Start: 4101, Stop: 4307, Start Num: 2
Candidate Starts for Teamocil_9:
(Start: 2 @4101 has 36 MA's), (4, 4131), (8, 4251), (9, 4254), (10, 4278), (11, 4287),

Gene: Yeti_11 Start: 5144, Stop: 5356, Start Num: 2
Candidate Starts for Yeti_11:
(Start: 2 @5144 has 36 MA's), (8, 5294),