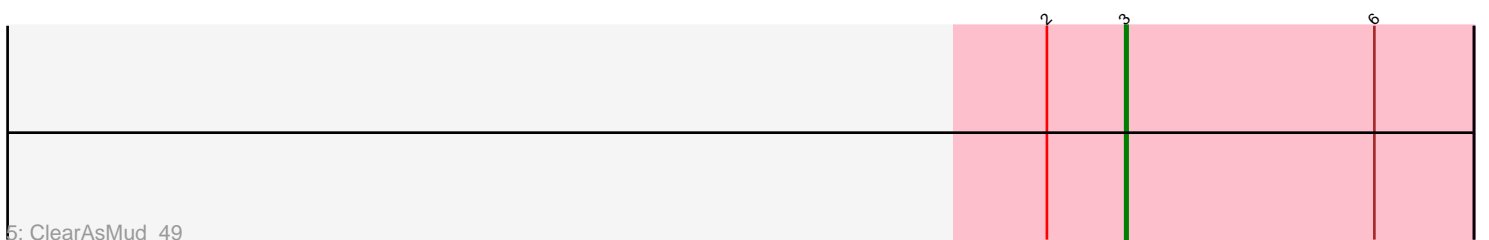
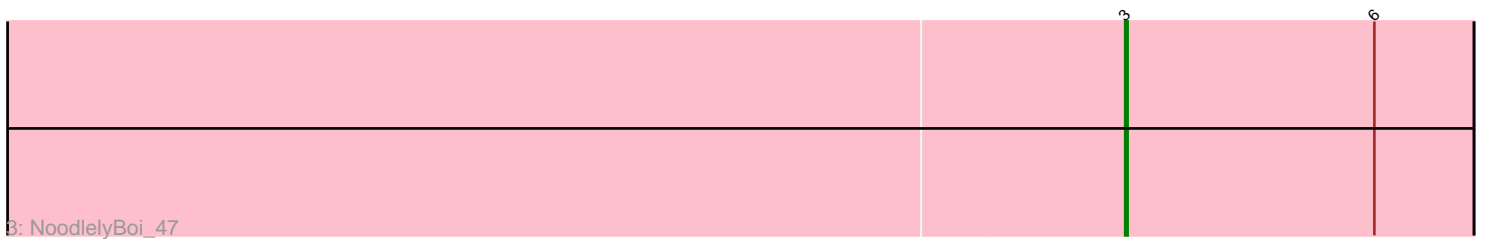
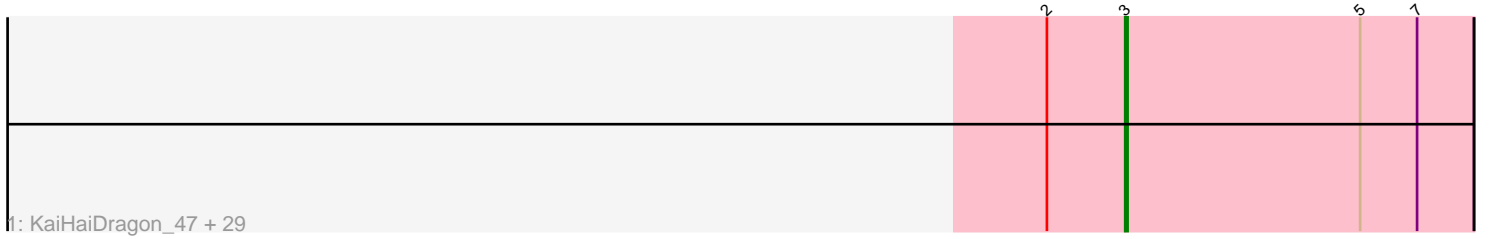


Pham 218128



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 218128 Report

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

Pham number 218128 has 36 members, 4 are drafts.

Phages represented in each track:

- Track 1 : KaiHaiDragon_47, Quhwah_50, Hermeonysus_46, EarickHC_47, PhedwardCullen_45, CrazyRich_46, Paschalis_46, Savannah_46, PierreOrion_47, Jefe_47, Crisis_48, Phorgeous_46, Ganandorf_46, Selwyn23_48, Antares_47, Scumberland_48, Onika_46, Yeti_47, Ramiel05_46, Kowalski_46, Piperis_47, LittleFortune_48, Glorp_48, Jollipop_47, Cranjis_48, Pulchra_48, Phrancesco_47, Honeyfin_48, Shotgun_46, PiperSansNom_47
- Track 2 : BrazzalePHS_46, Busephilis_46
- Track 3 : NoodlelyBoi_47
- Track 4 : Jayden_48
- Track 5 : ClearAsMud_49
- Track 6 : SirFrank_46

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 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antares_47, ClearAsMud_49, Cranjis_48, CrazyRich_46, Crisis_48, EarickHC_47, Ganandorf_46, Glorp_48, Hermeonysus_46, Honeyfin_48, Jayden_48, Jefe_47, Jollipop_47, KaiHaiDragon_47, Kowalski_46, LittleFortune_48, NoodlelyBoi_47, Onika_46, Paschalis_46, PhedwardCullen_45, Phorgeous_46, Phrancesco_47, PierreOrion_47, PiperSansNom_47, Piperis_47, Pulchra_48, Quhwah_50, Ramiel05_46, Savannah_46, Scumberland_48, Selwyn23_48, Shotgun_46, SirFrank_46, Yeti_47,

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

- BrazzalePHS_46, Busephilis_46,

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

-

Summary by start number:

Start 2:

- Found in 33 of 36 (91.7%) of genes in pham
- Manual Annotations of this start: 2 of 32
- Called 6.1% of time when present
- Phage (with cluster) where this start called: BrazzalePHS_46 (EC), Busephilis_46 (EC),

Start 3:

- Found in 36 of 36 (100.0%) of genes in pham
- Manual Annotations of this start: 30 of 32
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Antares_47 (EC), ClearAsMud_49 (EC), Cranjjs_48 (EC), CrazyRich_46 (EC), Crisis_48 (EC), EarickHC_47 (EC), Ganandorf_46 (EC), Glorp_48 (EC), Hermeonysus_46 (EC), Honeyfin_48 (EC), Jayden_48 (EC), Jefe_47 (EC), Jollipop_47 (EC), KaiHaiDragon_47 (EC), Kowalski_46 (EC), LittleFortune_48 (EC), NoodlelyBoi_47 (EC), Onika_46 (EC), Paschalis_46 (EC), PhedwardCullen_45 (EC), Phorgeous_46 (EC), Phrancesco_47 (EC), PierreOrion_47 (EC), PiperSansNom_47 (EC), Piperis_47 (EC), Pulchra_48 (EC), Quhwah_50 (EC), Ramiel05_46 (EC), Savannah_46 (EC), Scumberland_48 (EC), Selwyn23_48 (EC), Shotgun_46 (EC), SirFrank_46 (EC), Yeti_47 (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 2 times for cluster EC.
- Start number 3 was manually annotated 30 times for cluster EC.

Gene Information:

Gene: Antares_47 Start: 32488, Stop: 32634, Start Num: 3

Candidate Starts for Antares_47:

(Start: 2 @32455 has 2 MA's), (Start: 3 @32488 has 30 MA's), (5, 32587), (7, 32611),

Gene: BrazzalePHS_46 Start: 32250, Stop: 32429, Start Num: 2

Candidate Starts for BrazzalePHS_46:

(Start: 2 @32250 has 2 MA's), (Start: 3 @32283 has 30 MA's), (5, 32382), (7, 32406),

Gene: Busephilis_46 Start: 32191, Stop: 32370, Start Num: 2

Candidate Starts for Busephilis_46:

(Start: 2 @32191 has 2 MA's), (Start: 3 @32224 has 30 MA's), (5, 32323), (7, 32347),

Gene: ClearAsMud_49 Start: 32364, Stop: 32510, Start Num: 3

Candidate Starts for ClearAsMud_49:

(Start: 2 @32331 has 2 MA's), (Start: 3 @32364 has 30 MA's), (6, 32469),

Gene: Cranjjs_48 Start: 32443, Stop: 32589, Start Num: 3

Candidate Starts for Cranjjs_48:

(Start: 2 @32410 has 2 MA's), (Start: 3 @32443 has 30 MA's), (5, 32542), (7, 32566),

Gene: CrazyRich_46 Start: 32252, Stop: 32398, Start Num: 3
Candidate Starts for CrazyRich_46:
(Start: 2 @32219 has 2 MA's), (Start: 3 @32252 has 30 MA's), (5, 32351), (7, 32375),

Gene: Crisis_48 Start: 32243, Stop: 32389, Start Num: 3
Candidate Starts for Crisis_48:
(Start: 2 @32210 has 2 MA's), (Start: 3 @32243 has 30 MA's), (5, 32342), (7, 32366),

Gene: EarickHC_47 Start: 32166, Stop: 32312, Start Num: 3
Candidate Starts for EarickHC_47:
(Start: 2 @32133 has 2 MA's), (Start: 3 @32166 has 30 MA's), (5, 32265), (7, 32289),

Gene: Ganandorf_46 Start: 32305, Stop: 32451, Start Num: 3
Candidate Starts for Ganandorf_46:
(Start: 2 @32272 has 2 MA's), (Start: 3 @32305 has 30 MA's), (5, 32404), (7, 32428),

Gene: Glorp_48 Start: 32306, Stop: 32452, Start Num: 3
Candidate Starts for Glorp_48:
(Start: 2 @32273 has 2 MA's), (Start: 3 @32306 has 30 MA's), (5, 32405), (7, 32429),

Gene: Hermeonysus_46 Start: 32172, Stop: 32318, Start Num: 3
Candidate Starts for Hermeonysus_46:
(Start: 2 @32139 has 2 MA's), (Start: 3 @32172 has 30 MA's), (5, 32271), (7, 32295),

Gene: Honeyfin_48 Start: 32493, Stop: 32639, Start Num: 3
Candidate Starts for Honeyfin_48:
(Start: 2 @32460 has 2 MA's), (Start: 3 @32493 has 30 MA's), (5, 32592), (7, 32616),

Gene: Jayden_48 Start: 32615, Stop: 32761, Start Num: 3
Candidate Starts for Jayden_48:
(Start: 3 @32615 has 30 MA's), (4, 32711), (5, 32714),

Gene: Jefe_47 Start: 32230, Stop: 32376, Start Num: 3
Candidate Starts for Jefe_47:
(Start: 2 @32197 has 2 MA's), (Start: 3 @32230 has 30 MA's), (5, 32329), (7, 32353),

Gene: Jollipop_47 Start: 32569, Stop: 32715, Start Num: 3
Candidate Starts for Jollipop_47:
(Start: 2 @32536 has 2 MA's), (Start: 3 @32569 has 30 MA's), (5, 32668), (7, 32692),

Gene: KaiHaiDragon_47 Start: 32166, Stop: 32312, Start Num: 3
Candidate Starts for KaiHaiDragon_47:
(Start: 2 @32133 has 2 MA's), (Start: 3 @32166 has 30 MA's), (5, 32265), (7, 32289),

Gene: Kowalski_46 Start: 32279, Stop: 32425, Start Num: 3
Candidate Starts for Kowalski_46:
(Start: 2 @32246 has 2 MA's), (Start: 3 @32279 has 30 MA's), (5, 32378), (7, 32402),

Gene: LittleFortune_48 Start: 32535, Stop: 32681, Start Num: 3
Candidate Starts for LittleFortune_48:
(Start: 2 @32502 has 2 MA's), (Start: 3 @32535 has 30 MA's), (5, 32634), (7, 32658),

Gene: NoodlelyBoi_47 Start: 32576, Stop: 32722, Start Num: 3

Candidate Starts for NoodlelyBoi_47:
(Start: 3 @32576 has 30 MA's), (6, 32681),

Gene: Onika_46 Start: 32254, Stop: 32400, Start Num: 3
Candidate Starts for Onika_46:
(Start: 2 @32221 has 2 MA's), (Start: 3 @32254 has 30 MA's), (5, 32353), (7, 32377),

Gene: Paschalis_46 Start: 32261, Stop: 32407, Start Num: 3
Candidate Starts for Paschalis_46:
(Start: 2 @32228 has 2 MA's), (Start: 3 @32261 has 30 MA's), (5, 32360), (7, 32384),

Gene: PhedwardCullen_45 Start: 32012, Stop: 32158, Start Num: 3
Candidate Starts for PhedwardCullen_45:
(Start: 2 @31979 has 2 MA's), (Start: 3 @32012 has 30 MA's), (5, 32111), (7, 32135),

Gene: Phorgeous_46 Start: 32124, Stop: 32270, Start Num: 3
Candidate Starts for Phorgeous_46:
(Start: 2 @32091 has 2 MA's), (Start: 3 @32124 has 30 MA's), (5, 32223), (7, 32247),

Gene: Phrancesco_47 Start: 32414, Stop: 32560, Start Num: 3
Candidate Starts for Phrancesco_47:
(Start: 2 @32381 has 2 MA's), (Start: 3 @32414 has 30 MA's), (5, 32513), (7, 32537),

Gene: PierreOrion_47 Start: 32428, Stop: 32574, Start Num: 3
Candidate Starts for PierreOrion_47:
(Start: 2 @32395 has 2 MA's), (Start: 3 @32428 has 30 MA's), (5, 32527), (7, 32551),

Gene: PiperSansNom_47 Start: 32568, Stop: 32714, Start Num: 3
Candidate Starts for PiperSansNom_47:
(Start: 2 @32535 has 2 MA's), (Start: 3 @32568 has 30 MA's), (5, 32667), (7, 32691),

Gene: Piperis_47 Start: 32247, Stop: 32393, Start Num: 3
Candidate Starts for Piperis_47:
(Start: 2 @32214 has 2 MA's), (Start: 3 @32247 has 30 MA's), (5, 32346), (7, 32370),

Gene: Pulchra_48 Start: 32644, Stop: 32790, Start Num: 3
Candidate Starts for Pulchra_48:
(Start: 2 @32611 has 2 MA's), (Start: 3 @32644 has 30 MA's), (5, 32743), (7, 32767),

Gene: Quhwah_50 Start: 32876, Stop: 33022, Start Num: 3
Candidate Starts for Quhwah_50:
(Start: 2 @32843 has 2 MA's), (Start: 3 @32876 has 30 MA's), (5, 32975), (7, 32999),

Gene: Ramiel05_46 Start: 32279, Stop: 32425, Start Num: 3
Candidate Starts for Ramiel05_46:
(Start: 2 @32246 has 2 MA's), (Start: 3 @32279 has 30 MA's), (5, 32378), (7, 32402),

Gene: Savannah_46 Start: 32306, Stop: 32452, Start Num: 3
Candidate Starts for Savannah_46:
(Start: 2 @32273 has 2 MA's), (Start: 3 @32306 has 30 MA's), (5, 32405), (7, 32429),

Gene: Scumberland_48 Start: 32501, Stop: 32647, Start Num: 3
Candidate Starts for Scumberland_48:

(Start: 2 @32468 has 2 MA's), (Start: 3 @32501 has 30 MA's), (5, 32600), (7, 32624),

Gene: Selwyn23_48 Start: 32478, Stop: 32624, Start Num: 3

Candidate Starts for Selwyn23_48:

(Start: 2 @32445 has 2 MA's), (Start: 3 @32478 has 30 MA's), (5, 32577), (7, 32601),

Gene: Shotgun_46 Start: 32105, Stop: 32251, Start Num: 3

Candidate Starts for Shotgun_46:

(Start: 2 @32072 has 2 MA's), (Start: 3 @32105 has 30 MA's), (5, 32204), (7, 32228),

Gene: SirFrank_46 Start: 32146, Stop: 32292, Start Num: 3

Candidate Starts for SirFrank_46:

(1, 31708), (Start: 3 @32146 has 30 MA's),

Gene: Yeti_47 Start: 32280, Stop: 32426, Start Num: 3

Candidate Starts for Yeti_47:

(Start: 2 @32247 has 2 MA's), (Start: 3 @32280 has 30 MA's), (5, 32379), (7, 32403),