

Pham 202863



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 202863 Report

This analysis was run 01/18/25 on database version 583.

Pham number 202863 has 84 members, 1 are drafts.

Phages represented in each track:

- Track 1 : MrGloopy\_10, Riverdale\_10, Cholula\_10, Carpal\_10, Fluke\_10, Potatoes\_10, Immaculata\_10, Glenn\_10, MeganNoll\_10, RAP15\_10, Jumboset\_10, Savage2526\_10, Rozby\_10, TattModd\_10
- Track 2 : RcigaStruga\_10, Huntingdon\_10, Lakshmi\_10, Albanese\_10, Nubia\_10, Joann\_10, Oxynfrius\_10
- Track 3 : PinkFriday\_6, HunterDalle\_6, Vulture\_6, Daiboju\_6, Riovina\_6, Sergei\_6, Maria1952\_6, Aledel\_6, Supakev\_6, OMalley\_6, Herb\_6, Eunoia\_6, KingBob\_6, Pumancara\_6, Temper16\_6
- Track 4 : Suppi\_10, Wayne\_10, CallieOMalley\_10, Canowicakte\_10, AppleCider\_10, Litotes\_10, PartyCup\_10, Vallejo\_10
- Track 5 : Nancia\_6, LilStuart\_6, Makoto\_6, Lasagna\_6, PitaDog\_6, Lennox\_6, WonderBoy\_6, OurGirlNessie\_6, DrRobert\_6, Lucy\_6, Christian\_6, CristinaYang\_6
- Track 6 : Kittykat\_6, DreamTeam\_6, Gisselle\_6
- Track 7 : Greenhouse\_10
- Track 8 : Scuttle\_10, BrotherBLo\_10
- Track 9 : Bodacious\_6, ChewChew\_6
- Track 10 : Kalizoi\_10, Korra\_10, Dino\_10, Wawa\_10, Zorro\_10
- Track 11 : Bennie\_6, Huckleberry\_6, Moki\_6, HeadNerd\_6
- Track 12 : BigMack\_6
- Track 13 : Pterodactyl\_6
- Track 14 : Chridison\_6, AustinPowers\_6
- Track 15 : GreenHearts\_10
- Track 16 : MamaPearl\_6, EstebanJulior\_6
- Track 17 : Preamble\_6
- Track 18 : Beethoven\_10
- Track 19 : Misaeng\_10
- Track 20 : Urla\_6

### ***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 83 of the 83 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Albanese\_10, Aledel\_6, AppleCider\_10, AustinPowers\_6, Beethoven\_10, Bennie\_6, BigMack\_6, Bodacious\_6, BrotherBLo\_10, CallieOMalley\_10, Canowicakte\_10, Carpal\_10, ChewChew\_6, Cholula\_10, Chridison\_6, Christian\_6, CristinaYang\_6, Daiboju\_6, Dino\_10, DrRobert\_6, DreamTeam\_6, EstebanJulior\_6, Eunoia\_6, Fluke\_10, Gisselle\_6, Glenn\_10, GreenHearts\_10, Greenhouse\_10, HeadNerd\_6, Herb\_6, Huckleberry\_6, HunterDalle\_6, Huntingdon\_10, Immaculata\_10, Joann\_10, Jumboset\_10, Kalizoi\_10, KingBob\_6, Kittykat\_6, Korra\_10, Lakshmi\_10, Lasagna\_6, Lennox\_6, LilStuart\_6, Litotes\_10, Lucy\_6, Makoto\_6, MamaPearl\_6, Maria1952\_6, MeganNoll\_10, Misaeng\_10, Moki\_6, MrGloopy\_10, Nancia\_6, Nubia\_10, OMalley\_6, OurGirlNessie\_6, Oxynfrius\_10, PartyCup\_10, PinkFriday\_6, PitaDog\_6, Potatoes\_10, Preamble\_6, Pterodactyl\_6, Pumancara\_6, RAP15\_10, RcigaStruga\_10, Riovina\_6, Riverdale\_10, Rozby\_10, Savage2526\_10, Scuttle\_10, Sergei\_6, Supakev\_6, Suppi\_10, TattModd\_10, Temper16\_6, Urla\_6, Vallejo\_10, Vulture\_6, Wawa\_10, Wayne\_10, WonderBoy\_6, Zorro\_10,

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 84 of 84 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 83 of 83
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Albanese\_10 (AK), Aledel\_6 (AK), AppleCider\_10 (AK), AustinPowers\_6 (AK), Beethoven\_10 (AK), Bennie\_6 (AK), BigMack\_6 (AK), Bodacious\_6 (AK), BrotherBLo\_10 (AK), CallieOMalley\_10 (AK), Canowicakte\_10 (AK), Carpal\_10 (AK), ChewChew\_6 (AK), Cholula\_10 (AK), Chridison\_6 (AK), Christian\_6 (AK), CristinaYang\_6 (AK), Daiboju\_6 (AK), Dino\_10 (AK), DrRobert\_6 (AK), DreamTeam\_6 (AK), EstebanJulior\_6 (AK), Eunoia\_6 (AK), Fluke\_10 (AK), Gisselle\_6 (AK), Glenn\_10 (AK), GreenHearts\_10 (AK), Greenhouse\_10 (AK), HeadNerd\_6 (AK), Herb\_6 (AK), Huckleberry\_6 (AK), HunterDalle\_6 (AK), Huntingdon\_10 (AK), Immaculata\_10 (AK), Joann\_10 (AK), Jumboset\_10 (AK), Kalizoi\_10 (AK), KingBob\_6 (AK), Kittykat\_6 (AK), Korra\_10 (AK), Lakshmi\_10 (AK), Lasagna\_6 (AK), Lennox\_6 (AK), LilStuart\_6 (AK), Litotes\_10 (AK), Lucy\_6 (AK), Makoto\_6 (AK), MamaPearl\_6 (AK), Maria1952\_6 (AK), MeganNoll\_10 (AK), Misaeng\_10 (AK), Moki\_6 (AK), MrGloopy\_10 (AK), Nancia\_6 (AK), Nubia\_10 (AK), OMalley\_6 (AK), OurGirlNessie\_6 (AK), Oxynfrius\_10 (AK), PartyCup\_10 (AK), PinkFriday\_6 (AK), PitaDog\_6 (AK), Potatoes\_10 (AK), Preamble\_6 (AK), Pterodactyl\_6 (AK), Pumancara\_6 (AK), RAP15\_10 (AK), RcigaStruga\_10 (AK), Riovina\_6 (AK), Riverdale\_10 (AK), Rozby\_10 (AK), Savage2526\_10 (AK), Scuttle\_10 (AK), Sergei\_6 (AK), Supakev\_6 (AK), Suppi\_10 (AK), TattModd\_10 (AK), Temper16\_6 (AK), Urla\_6 (AK), Vallejo\_10 (AK), Vulture\_6 (AK), Wawa\_10 (AK), Wayne\_10 (AK), WonderBoy\_6 (AK), Zorro\_10 (AK),

### Summary by clusters:

There is one cluster represented in this pham: AK

Info for manual annotations of cluster AK:

- Start number 7 was manually annotated 83 times for cluster AK.

**Gene Information:**

Gene: Albanese\_10 Start: 9061, Stop: 9255, Start Num: 7  
Candidate Starts for Albanese\_10:  
(Start: 7 @9061 has 83 MA's), (10, 9142),

Gene: Aledel\_6 Start: 6159, Stop: 6332, Start Num: 7  
Candidate Starts for Aledel\_6:  
(Start: 7 @6159 has 83 MA's),

Gene: AppleCider\_10 Start: 9015, Stop: 9209, Start Num: 7  
Candidate Starts for AppleCider\_10:  
(Start: 7 @9015 has 83 MA's),

Gene: AustinPowers\_6 Start: 6160, Stop: 6333, Start Num: 7  
Candidate Starts for AustinPowers\_6:  
(Start: 7 @6160 has 83 MA's), (8, 6199), (9, 6211),

Gene: Beethoven\_10 Start: 8995, Stop: 9174, Start Num: 7  
Candidate Starts for Beethoven\_10:  
(Start: 7 @8995 has 83 MA's),

Gene: Bennie\_6 Start: 6140, Stop: 6319, Start Num: 7  
Candidate Starts for Bennie\_6:  
(Start: 7 @6140 has 83 MA's), (10, 6224), (11, 6245),

Gene: BigMack\_6 Start: 6140, Stop: 6319, Start Num: 7  
Candidate Starts for BigMack\_6:  
(Start: 7 @6140 has 83 MA's), (11, 6245),

Gene: Bodacious\_6 Start: 6138, Stop: 6317, Start Num: 7  
Candidate Starts for Bodacious\_6:  
(Start: 7 @6138 has 83 MA's), (11, 6243), (12, 6273),

Gene: BrotherBLo\_10 Start: 9002, Stop: 9181, Start Num: 7  
Candidate Starts for BrotherBLo\_10:  
(Start: 7 @9002 has 83 MA's), (11, 9107),

Gene: CallieOMalley\_10 Start: 9015, Stop: 9209, Start Num: 7  
Candidate Starts for CallieOMalley\_10:  
(Start: 7 @9015 has 83 MA's),

Gene: Canowicakte\_10 Start: 9050, Stop: 9244, Start Num: 7  
Candidate Starts for Canowicakte\_10:  
(Start: 7 @9050 has 83 MA's),

Gene: Carpal\_10 Start: 9002, Stop: 9181, Start Num: 7  
Candidate Starts for Carpal\_10:  
(Start: 7 @9002 has 83 MA's),

Gene: ChewChew\_6 Start: 6137, Stop: 6316, Start Num: 7  
Candidate Starts for ChewChew\_6:  
(Start: 7 @6137 has 83 MA's), (11, 6242), (12, 6272),

Gene: Cholula\_10 Start: 9047, Stop: 9226, Start Num: 7  
Candidate Starts for Cholula\_10:  
(Start: 7 @9047 has 83 MA's),

Gene: Chridison\_6 Start: 6160, Stop: 6333, Start Num: 7  
Candidate Starts for Chridison\_6:  
(Start: 7 @6160 has 83 MA's), (8, 6199), (9, 6211),

Gene: Christian\_6 Start: 6138, Stop: 6317, Start Num: 7  
Candidate Starts for Christian\_6:  
(Start: 7 @6138 has 83 MA's), (11, 6243), (12, 6273),

Gene: CristinaYang\_6 Start: 6138, Stop: 6317, Start Num: 7  
Candidate Starts for CristinaYang\_6:  
(Start: 7 @6138 has 83 MA's), (11, 6243), (12, 6273),

Gene: Daiboju\_6 Start: 6161, Stop: 6334, Start Num: 7  
Candidate Starts for Daiboju\_6:  
(Start: 7 @6161 has 83 MA's),

Gene: Dino\_10 Start: 9001, Stop: 9180, Start Num: 7  
Candidate Starts for Dino\_10:  
(Start: 7 @9001 has 83 MA's), (11, 9106),

Gene: DrRobert\_6 Start: 6138, Stop: 6317, Start Num: 7  
Candidate Starts for DrRobert\_6:  
(Start: 7 @6138 has 83 MA's), (11, 6243), (12, 6273),

Gene: DreamTeam\_6 Start: 6184, Stop: 6363, Start Num: 7  
Candidate Starts for DreamTeam\_6:  
(5, 6133), (Start: 7 @6184 has 83 MA's), (10, 6268),

Gene: EstebanJulior\_6 Start: 6182, Stop: 6361, Start Num: 7  
Candidate Starts for EstebanJulior\_6:  
(2, 6101), (4, 6128), (Start: 7 @6182 has 83 MA's), (11, 6287),

Gene: Eunoia\_6 Start: 6159, Stop: 6332, Start Num: 7  
Candidate Starts for Eunoia\_6:  
(Start: 7 @6159 has 83 MA's),

Gene: Fluke\_10 Start: 9043, Stop: 9222, Start Num: 7  
Candidate Starts for Fluke\_10:  
(Start: 7 @9043 has 83 MA's),

Gene: Gisselle\_6 Start: 6184, Stop: 6363, Start Num: 7  
Candidate Starts for Gisselle\_6:  
(5, 6133), (Start: 7 @6184 has 83 MA's), (10, 6268),

Gene: Glenn\_10 Start: 9053, Stop: 9232, Start Num: 7  
Candidate Starts for Glenn\_10:  
(Start: 7 @9053 has 83 MA's),

Gene: GreenHearts\_10 Start: 9107, Stop: 9301, Start Num: 7  
Candidate Starts for GreenHearts\_10:  
(6, 9059), (Start: 7 @9107 has 83 MA's), (10, 9188),

Gene: Greenhouse\_10 Start: 9032, Stop: 9226, Start Num: 7  
Candidate Starts for Greenhouse\_10:  
(1, 8924), (Start: 7 @9032 has 83 MA's), (10, 9113),

Gene: HeadNerd\_6 Start: 6140, Stop: 6319, Start Num: 7  
Candidate Starts for HeadNerd\_6:  
(Start: 7 @6140 has 83 MA's), (10, 6224), (11, 6245),

Gene: Herb\_6 Start: 6161, Stop: 6334, Start Num: 7  
Candidate Starts for Herb\_6:  
(Start: 7 @6161 has 83 MA's),

Gene: Huckleberry\_6 Start: 6140, Stop: 6319, Start Num: 7  
Candidate Starts for Huckleberry\_6:  
(Start: 7 @6140 has 83 MA's), (10, 6224), (11, 6245),

Gene: HunterDalle\_6 Start: 6159, Stop: 6332, Start Num: 7  
Candidate Starts for HunterDalle\_6:  
(Start: 7 @6159 has 83 MA's),

Gene: Huntingdon\_10 Start: 9018, Stop: 9212, Start Num: 7  
Candidate Starts for Huntingdon\_10:  
(Start: 7 @9018 has 83 MA's), (10, 9099),

Gene: Immaculata\_10 Start: 9047, Stop: 9226, Start Num: 7  
Candidate Starts for Immaculata\_10:  
(Start: 7 @9047 has 83 MA's),

Gene: Joann\_10 Start: 9010, Stop: 9204, Start Num: 7  
Candidate Starts for Joann\_10:  
(Start: 7 @9010 has 83 MA's), (10, 9091),

Gene: Jumboset\_10 Start: 8996, Stop: 9175, Start Num: 7  
Candidate Starts for Jumboset\_10:  
(Start: 7 @8996 has 83 MA's),

Gene: Kalizoi\_10 Start: 8995, Stop: 9174, Start Num: 7  
Candidate Starts for Kalizoi\_10:  
(Start: 7 @8995 has 83 MA's), (11, 9100),

Gene: KingBob\_6 Start: 6161, Stop: 6334, Start Num: 7  
Candidate Starts for KingBob\_6:  
(Start: 7 @6161 has 83 MA's),

Gene: Kittykat\_6 Start: 6181, Stop: 6360, Start Num: 7

Candidate Starts for Kittykat\_6:  
(5, 6130), (Start: 7 @6181 has 83 MA's), (10, 6265),

Gene: Korra\_10 Start: 9001, Stop: 9180, Start Num: 7  
Candidate Starts for Korra\_10:  
(Start: 7 @9001 has 83 MA's), (11, 9106),

Gene: Lakshmi\_10 Start: 9037, Stop: 9231, Start Num: 7  
Candidate Starts for Lakshmi\_10:  
(Start: 7 @9037 has 83 MA's), (10, 9118),

Gene: Lasagna\_6 Start: 6138, Stop: 6317, Start Num: 7  
Candidate Starts for Lasagna\_6:  
(Start: 7 @6138 has 83 MA's), (11, 6243), (12, 6273),

Gene: Lennox\_6 Start: 6138, Stop: 6317, Start Num: 7  
Candidate Starts for Lennox\_6:  
(Start: 7 @6138 has 83 MA's), (11, 6243), (12, 6273),

Gene: LilStuart\_6 Start: 6138, Stop: 6317, Start Num: 7  
Candidate Starts for LilStuart\_6:  
(Start: 7 @6138 has 83 MA's), (11, 6243), (12, 6273),

Gene: Litotes\_10 Start: 9003, Stop: 9197, Start Num: 7  
Candidate Starts for Litotes\_10:  
(Start: 7 @9003 has 83 MA's),

Gene: Lucy\_6 Start: 6129, Stop: 6308, Start Num: 7  
Candidate Starts for Lucy\_6:  
(Start: 7 @6129 has 83 MA's), (11, 6234), (12, 6264),

Gene: Makoto\_6 Start: 6138, Stop: 6317, Start Num: 7  
Candidate Starts for Makoto\_6:  
(Start: 7 @6138 has 83 MA's), (11, 6243), (12, 6273),

Gene: MamaPearl\_6 Start: 6182, Stop: 6361, Start Num: 7  
Candidate Starts for MamaPearl\_6:  
(2, 6101), (4, 6128), (Start: 7 @6182 has 83 MA's), (11, 6287),

Gene: Maria1952\_6 Start: 6161, Stop: 6334, Start Num: 7  
Candidate Starts for Maria1952\_6:  
(Start: 7 @6161 has 83 MA's),

Gene: MeganNoll\_10 Start: 9053, Stop: 9232, Start Num: 7  
Candidate Starts for MeganNoll\_10:  
(Start: 7 @9053 has 83 MA's),

Gene: Misaeng\_10 Start: 9083, Stop: 9277, Start Num: 7  
Candidate Starts for Misaeng\_10:  
(Start: 7 @9083 has 83 MA's), (10, 9164),

Gene: Moki\_6 Start: 6140, Stop: 6319, Start Num: 7  
Candidate Starts for Moki\_6:

(Start: 7 @6140 has 83 MA's), (10, 6224), (11, 6245),

Gene: MrGloopy\_10 Start: 8986, Stop: 9165, Start Num: 7  
Candidate Starts for MrGloopy\_10:  
(Start: 7 @8986 has 83 MA's),

Gene: Nancia\_6 Start: 6138, Stop: 6317, Start Num: 7  
Candidate Starts for Nancia\_6:  
(Start: 7 @6138 has 83 MA's), (11, 6243), (12, 6273),

Gene: Nubia\_10 Start: 8997, Stop: 9191, Start Num: 7  
Candidate Starts for Nubia\_10:  
(Start: 7 @8997 has 83 MA's), (10, 9078),

Gene: OMalley\_6 Start: 6159, Stop: 6332, Start Num: 7  
Candidate Starts for OMalley\_6:  
(Start: 7 @6159 has 83 MA's),

Gene: OurGirlNessie\_6 Start: 6129, Stop: 6308, Start Num: 7  
Candidate Starts for OurGirlNessie\_6:  
(Start: 7 @6129 has 83 MA's), (11, 6234), (12, 6264),

Gene: Oxynfrius\_10 Start: 9010, Stop: 9204, Start Num: 7  
Candidate Starts for Oxynfrius\_10:  
(Start: 7 @9010 has 83 MA's), (10, 9091),

Gene: PartyCup\_10 Start: 9050, Stop: 9244, Start Num: 7  
Candidate Starts for PartyCup\_10:  
(Start: 7 @9050 has 83 MA's),

Gene: PinkFriday\_6 Start: 6162, Stop: 6335, Start Num: 7  
Candidate Starts for PinkFriday\_6:  
(Start: 7 @6162 has 83 MA's),

Gene: PitaDog\_6 Start: 6129, Stop: 6308, Start Num: 7  
Candidate Starts for PitaDog\_6:  
(Start: 7 @6129 has 83 MA's), (11, 6234), (12, 6264),

Gene: Potatoes\_10 Start: 9047, Stop: 9226, Start Num: 7  
Candidate Starts for Potatoes\_10:  
(Start: 7 @9047 has 83 MA's),

Gene: Preamble\_6 Start: 6139, Stop: 6318, Start Num: 7  
Candidate Starts for Preamble\_6:  
(Start: 7 @6139 has 83 MA's), (10, 6223),

Gene: Pterodactyl\_6 Start: 6130, Stop: 6309, Start Num: 7  
Candidate Starts for Pterodactyl\_6:  
(Start: 7 @6130 has 83 MA's), (11, 6235), (12, 6265),

Gene: Pumancara\_6 Start: 6161, Stop: 6334, Start Num: 7  
Candidate Starts for Pumancara\_6:  
(Start: 7 @6161 has 83 MA's),



Gene: RAP15\_10 Start: 9053, Stop: 9232, Start Num: 7  
Candidate Starts for RAP15\_10:  
(Start: 7 @9053 has 83 MA's),

Gene: RcigaStruga\_10 Start: 9018, Stop: 9212, Start Num: 7  
Candidate Starts for RcigaStruga\_10:  
(Start: 7 @9018 has 83 MA's), (10, 9099),

Gene: Riovina\_6 Start: 6159, Stop: 6332, Start Num: 7  
Candidate Starts for Riovina\_6:  
(Start: 7 @6159 has 83 MA's),

Gene: Riverdale\_10 Start: 8984, Stop: 9163, Start Num: 7  
Candidate Starts for Riverdale\_10:  
(Start: 7 @8984 has 83 MA's),

Gene: Rozby\_10 Start: 8984, Stop: 9163, Start Num: 7  
Candidate Starts for Rozby\_10:  
(Start: 7 @8984 has 83 MA's),

Gene: Savage2526\_10 Start: 9047, Stop: 9226, Start Num: 7  
Candidate Starts for Savage2526\_10:  
(Start: 7 @9047 has 83 MA's),

Gene: Scuttle\_10 Start: 9053, Stop: 9232, Start Num: 7  
Candidate Starts for Scuttle\_10:  
(Start: 7 @9053 has 83 MA's), (11, 9158),

Gene: Sergei\_6 Start: 6161, Stop: 6334, Start Num: 7  
Candidate Starts for Sergei\_6:  
(Start: 7 @6161 has 83 MA's),

Gene: Supakev\_6 Start: 6161, Stop: 6334, Start Num: 7  
Candidate Starts for Supakev\_6:  
(Start: 7 @6161 has 83 MA's),

Gene: Suppi\_10 Start: 9050, Stop: 9244, Start Num: 7  
Candidate Starts for Suppi\_10:  
(Start: 7 @9050 has 83 MA's),

Gene: TattModd\_10 Start: 9047, Stop: 9226, Start Num: 7  
Candidate Starts for TattModd\_10:  
(Start: 7 @9047 has 83 MA's),

Gene: Temper16\_6 Start: 6161, Stop: 6334, Start Num: 7  
Candidate Starts for Temper16\_6:  
(Start: 7 @6161 has 83 MA's),

Gene: Urla\_6 Start: 6185, Stop: 6364, Start Num: 7  
Candidate Starts for Urla\_6:  
(3, 6125), (4, 6131), (Start: 7 @6185 has 83 MA's), (11, 6290),

Gene: Vallejo\_10 Start: 8985, Stop: 9164, Start Num: 7  
Candidate Starts for Vallejo\_10:  
(Start: 7 @8985 has 83 MA's),

Gene: Vulture\_6 Start: 6159, Stop: 6332, Start Num: 7  
Candidate Starts for Vulture\_6:  
(Start: 7 @6159 has 83 MA's),

Gene: Wawa\_10 Start: 9022, Stop: 9201, Start Num: 7  
Candidate Starts for Wawa\_10:  
(Start: 7 @9022 has 83 MA's), (11, 9127),

Gene: Wayne\_10 Start: 9096, Stop: 9290, Start Num: 7  
Candidate Starts for Wayne\_10:  
(Start: 7 @9096 has 83 MA's),

Gene: WonderBoy\_6 Start: 6138, Stop: 6317, Start Num: 7  
Candidate Starts for WonderBoy\_6:  
(Start: 7 @6138 has 83 MA's), (11, 6243), (12, 6273),

Gene: Zorro\_10 Start: 9001, Stop: 9180, Start Num: 7  
Candidate Starts for Zorro\_10:  
(Start: 7 @9001 has 83 MA's), (11, 9106),