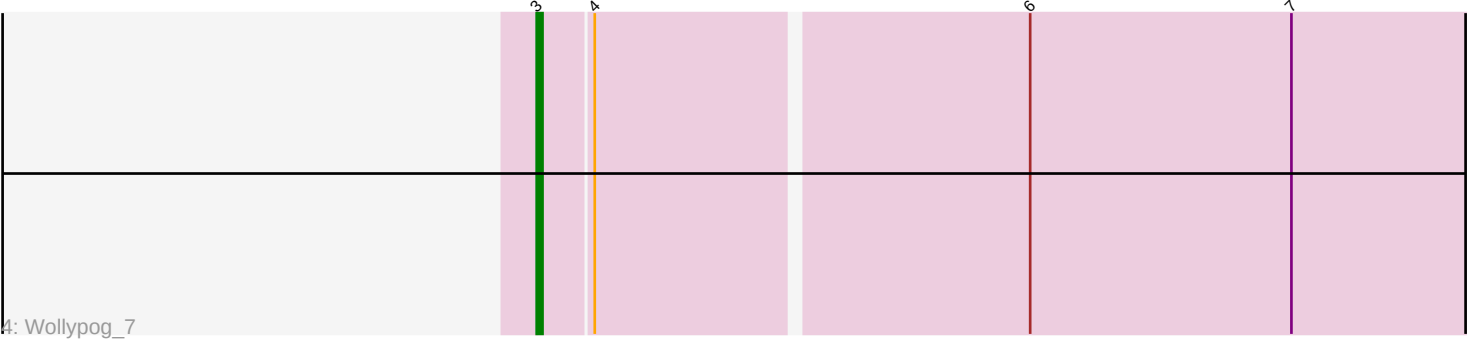
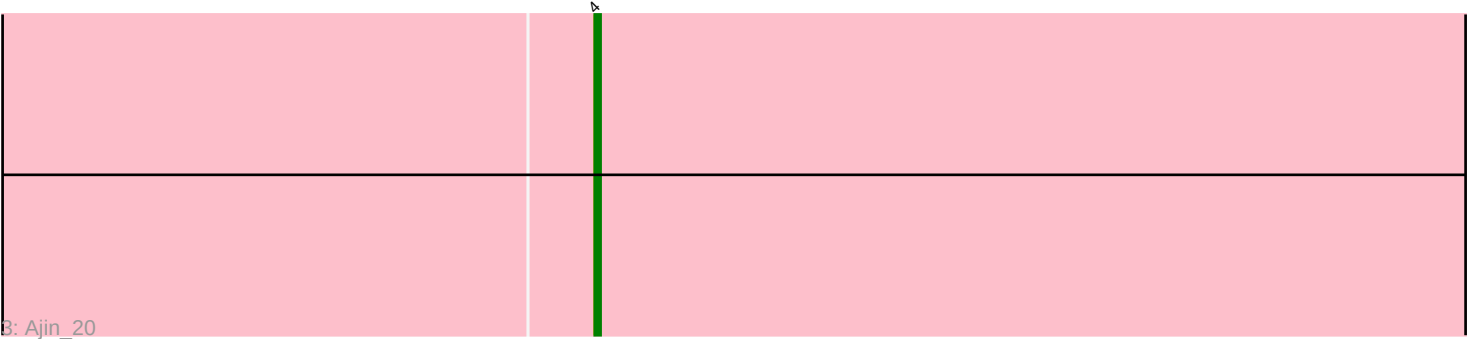
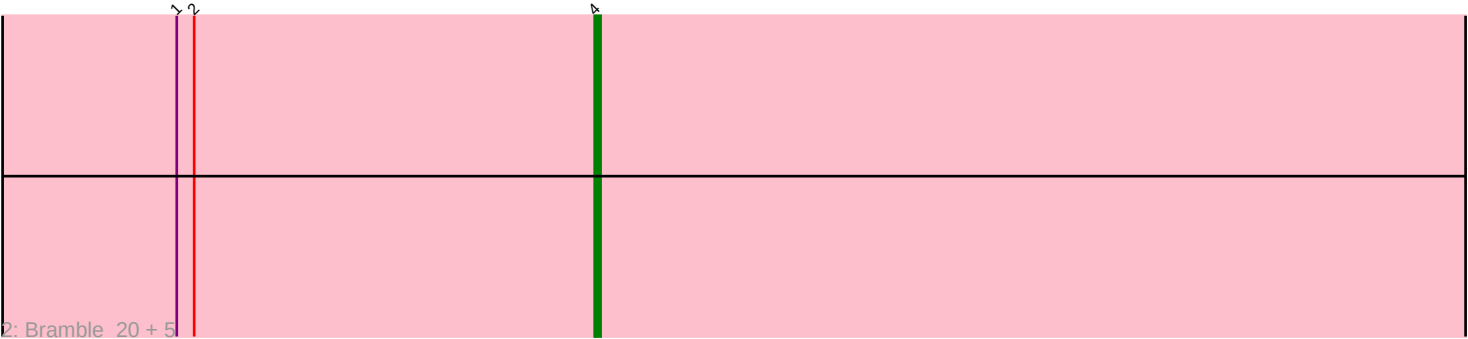
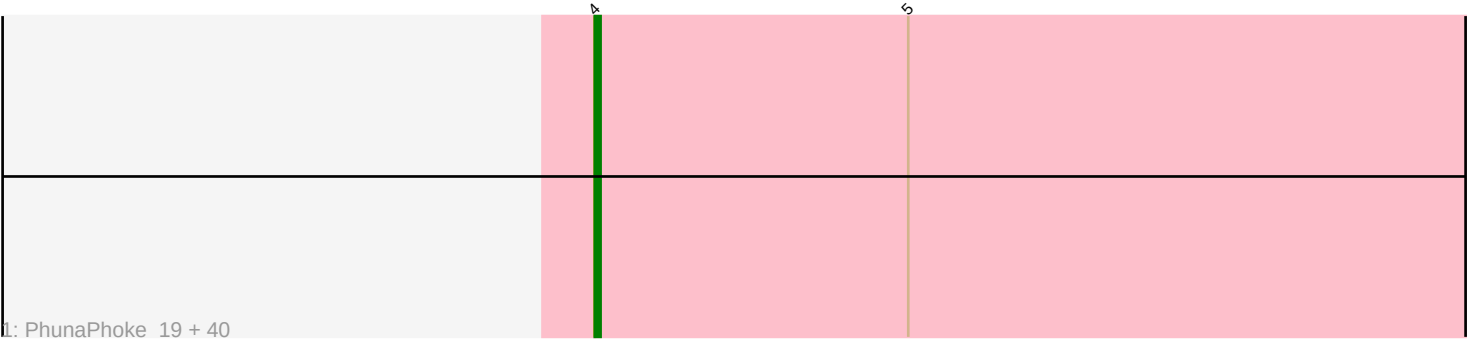




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 330954 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330954 has 49 members, 5 are drafts.

Phages represented in each track:

- Track 1 : PhunaPhoke_19, Cybele_19, NarutoRun_19, Aesir_18, Haunter_19, Tongui_18, JingleBells_18, AnnaSerena_19, WinnieLou_20, Rie18_19, CoolCookie_19, Kate_19, Erudite_18, Tedro_19, Artiphact_19, FreddieHg_18, MortySmith_17, Karate_18, Pharpay_19, Neptune_19, Gilda_19, Snakehole_20, OverHedge_19, Hiddenleaf_18, SafetyGuy_19, Annapurna_18, JDawG_18, SilentWarrior_18, Anakin_19, OhDear_19, Krampus_19, DannyDe_18, Rachella_19, Tiggy93_19, Poultruss_18, Dauntless_18, FountainFog_18, Chivey_18, Potty_19, Hager_20, Crestdrop_18
- Track 2 : Bramble_20, LordBart_20, TinyMiny_20, RikSengupta_20, Sparcetus_20, Kors_20
- Track 3 : Ajin_20
- Track 4 : Wollypog_7

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

The start number called the most often in the published annotations is 4, it was called in 43 of the 44 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aesir_18, Ajin_20, Anakin_19, AnnaSerena_19, Annapurna_18, Artiphact_19, Bramble_20, Chivey_18, CoolCookie_19, Crestdrop_18, Cybele_19, DannyDe_18, Dauntless_18, Erudite_18, FountainFog_18, FreddieHg_18, Gilda_19, Hager_20, Haunter_19, Hiddenleaf_18, JDawG_18, JingleBells_18, Karate_18, Kate_19, Kors_20, Krampus_19, LordBart_20, MortySmith_17, NarutoRun_19, Neptune_19, OhDear_19, OverHedge_19, Pharpay_19, PhunaPhoke_19, Potty_19, Poultruss_18, Rachella_19, Rie18_19, RikSengupta_20, SafetyGuy_19, SilentWarrior_18, Snakehole_20, Sparcetus_20, Tedro_19, Tiggy93_19, TinyMiny_20, Tongui_18, WinnieLou_20,

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

- Wollypog_7,

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

-

Summary by start number:

Start 3:

- Found in 1 of 49 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 44
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wollypog_7 (singleton),

Start 4:

- Found in 49 of 49 (100.0%) of genes in pham
- Manual Annotations of this start: 43 of 44
- Called 98.0% of time when present
- Phage (with cluster) where this start called: Aesir_18 (EF), Ajin_20 (EF), Anakin_19 (EF), AnnaSerena_19 (EF), Annapurna_18 (EF), Artiphact_19 (EF), Bramble_20 (EF), Chivey_18 (EF), CoolCookie_19 (EF), Crestdrop_18 (EF), Cybele_19 (EF), DannyDe_18 (EF), Dauntless_18 (EF), Erudite_18 (EF), FountainFog_18 (EF), FreddieHg_18 (EF), Gilda_19 (EF), Hager_20 (EF), Haunter_19 (EF), Hiddenleaf_18 (EF), JDawG_18 (EF), JingleBells_18 (EF), Karate_18 (EF), Kate_19 (EF), Kors_20 (EF), Krampus_19 (EF), LordBart_20 (EF), MortySmith_17 (EF), NarutoRun_19 (EF), Neptune_19 (EF), OhDear_19 (EF), OverHedge_19 (EF), Pharpay_19 (EF), PhunaPhoke_19 (EF), Potty_19 (EF), Poultruss_18 (EF), Rachella_19 (EF), Rie18_19 (EF), RikSengupta_20 (EF), SafetyGuy_19 (EF), SilentWarrior_18 (EF), Snakehole_20 (EF), Sparcetis_20 (EF), Tedro_19 (EF), Tiggy93_19 (EF), TinyMiny_20 (EF), Tongui_18 (EF), WinnieLou_20 (EF),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, EF,

Info for manual annotations of cluster EF:

- Start number 4 was manually annotated 43 times for cluster EF.

Gene Information:

Gene: Aesir_18 Start: 10669, Stop: 11052, Start Num: 4

Candidate Starts for Aesir_18:

(Start: 4 @10669 has 43 MA's), (5, 10723),

Gene: Ajin_20 Start: 10733, Stop: 11206, Start Num: 4

Candidate Starts for Ajin_20:

(Start: 4 @10733 has 43 MA's),

Gene: Anakin_19 Start: 10879, Stop: 11262, Start Num: 4

Candidate Starts for Anakin_19:

(Start: 4 @10879 has 43 MA's), (5, 10933),

Gene: AnnaSerena_19 Start: 10885, Stop: 11271, Start Num: 4

Candidate Starts for AnnaSerena_19:

(Start: 4 @10885 has 43 MA's), (5, 10939),

Gene: Annapurna_18 Start: 10088, Stop: 10471, Start Num: 4
Candidate Starts for Annapurna_18:
(Start: 4 @10088 has 43 MA's), (5, 10142),

Gene: Artiphact_19 Start: 10877, Stop: 11263, Start Num: 4
Candidate Starts for Artiphact_19:
(Start: 4 @10877 has 43 MA's), (5, 10931),

Gene: Bramble_20 Start: 10701, Stop: 11171, Start Num: 4
Candidate Starts for Bramble_20:
(1, 10629), (2, 10632), (Start: 4 @10701 has 43 MA's),

Gene: Chivey_18 Start: 10082, Stop: 10465, Start Num: 4
Candidate Starts for Chivey_18:
(Start: 4 @10082 has 43 MA's), (5, 10136),

Gene: CoolCookie_19 Start: 10883, Stop: 11269, Start Num: 4
Candidate Starts for CoolCookie_19:
(Start: 4 @10883 has 43 MA's), (5, 10937),

Gene: Crestdrop_18 Start: 9955, Stop: 10338, Start Num: 4
Candidate Starts for Crestdrop_18:
(Start: 4 @9955 has 43 MA's), (5, 10009),

Gene: Cybele_19 Start: 10853, Stop: 11239, Start Num: 4
Candidate Starts for Cybele_19:
(Start: 4 @10853 has 43 MA's), (5, 10907),

Gene: DannyDe_18 Start: 10073, Stop: 10456, Start Num: 4
Candidate Starts for DannyDe_18:
(Start: 4 @10073 has 43 MA's), (5, 10127),

Gene: Dauntless_18 Start: 10598, Stop: 10981, Start Num: 4
Candidate Starts for Dauntless_18:
(Start: 4 @10598 has 43 MA's), (5, 10652),

Gene: Erudite_18 Start: 10598, Stop: 10981, Start Num: 4
Candidate Starts for Erudite_18:
(Start: 4 @10598 has 43 MA's), (5, 10652),

Gene: FountainFog_18 Start: 10213, Stop: 10590, Start Num: 4
Candidate Starts for FountainFog_18:
(Start: 4 @10213 has 43 MA's), (5, 10267),

Gene: FreddieHg_18 Start: 10098, Stop: 10481, Start Num: 4
Candidate Starts for FreddieHg_18:
(Start: 4 @10098 has 43 MA's), (5, 10152),

Gene: Gilda_19 Start: 10877, Stop: 11263, Start Num: 4
Candidate Starts for Gilda_19:
(Start: 4 @10877 has 43 MA's), (5, 10931),

Gene: Hager_20 Start: 10452, Stop: 10835, Start Num: 4

Candidate Starts for Hager_20:
(Start: 4 @10452 has 43 MA's), (5, 10506),

Gene: Haunter_19 Start: 10293, Stop: 10676, Start Num: 4
Candidate Starts for Haunter_19:
(Start: 4 @10293 has 43 MA's), (5, 10347),

Gene: Hiddenleaf_18 Start: 10082, Stop: 10465, Start Num: 4
Candidate Starts for Hiddenleaf_18:
(Start: 4 @10082 has 43 MA's), (5, 10136),

Gene: JDawG_18 Start: 10663, Stop: 11046, Start Num: 4
Candidate Starts for JDawG_18:
(Start: 4 @10663 has 43 MA's), (5, 10717),

Gene: JingleBells_18 Start: 10159, Stop: 10545, Start Num: 4
Candidate Starts for JingleBells_18:
(Start: 4 @10159 has 43 MA's), (5, 10213),

Gene: Karate_18 Start: 10301, Stop: 10684, Start Num: 4
Candidate Starts for Karate_18:
(Start: 4 @10301 has 43 MA's), (5, 10355),

Gene: Kate_19 Start: 10885, Stop: 11271, Start Num: 4
Candidate Starts for Kate_19:
(Start: 4 @10885 has 43 MA's), (5, 10939),

Gene: Kors_20 Start: 10764, Stop: 11252, Start Num: 4
Candidate Starts for Kors_20:
(1, 10692), (2, 10695), (Start: 4 @10764 has 43 MA's),

Gene: Krampus_19 Start: 10883, Stop: 11269, Start Num: 4
Candidate Starts for Krampus_19:
(Start: 4 @10883 has 43 MA's), (5, 10937),

Gene: LordBart_20 Start: 10737, Stop: 11168, Start Num: 4
Candidate Starts for LordBart_20:
(1, 10665), (2, 10668), (Start: 4 @10737 has 43 MA's),

Gene: MortySmith_17 Start: 10060, Stop: 10443, Start Num: 4
Candidate Starts for MortySmith_17:
(Start: 4 @10060 has 43 MA's), (5, 10114),

Gene: NarutoRun_19 Start: 10879, Stop: 11262, Start Num: 4
Candidate Starts for NarutoRun_19:
(Start: 4 @10879 has 43 MA's), (5, 10933),

Gene: Neptune_19 Start: 10853, Stop: 11239, Start Num: 4
Candidate Starts for Neptune_19:
(Start: 4 @10853 has 43 MA's), (5, 10907),

Gene: OhDear_19 Start: 10882, Stop: 11268, Start Num: 4
Candidate Starts for OhDear_19:

(Start: 4 @10882 has 43 MA's), (5, 10936),

Gene: OverHedge_19 Start: 10850, Stop: 11236, Start Num: 4

Candidate Starts for OverHedge_19:

(Start: 4 @10850 has 43 MA's), (5, 10904),

Gene: Pharpay_19 Start: 10898, Stop: 11284, Start Num: 4

Candidate Starts for Pharpay_19:

(Start: 4 @10898 has 43 MA's), (5, 10952),

Gene: PhunaPhoke_19 Start: 10871, Stop: 11257, Start Num: 4

Candidate Starts for PhunaPhoke_19:

(Start: 4 @10871 has 43 MA's), (5, 10925),

Gene: Potty_19 Start: 10876, Stop: 11262, Start Num: 4

Candidate Starts for Potty_19:

(Start: 4 @10876 has 43 MA's), (5, 10930),

Gene: Poultress_18 Start: 10652, Stop: 11035, Start Num: 4

Candidate Starts for Poultress_18:

(Start: 4 @10652 has 43 MA's), (5, 10706),

Gene: Rachella_19 Start: 10882, Stop: 11265, Start Num: 4

Candidate Starts for Rachella_19:

(Start: 4 @10882 has 43 MA's), (5, 10936),

Gene: Rie18_19 Start: 10236, Stop: 10616, Start Num: 4

Candidate Starts for Rie18_19:

(Start: 4 @10236 has 43 MA's), (5, 10290),

Gene: RikSengupta_20 Start: 10816, Stop: 11289, Start Num: 4

Candidate Starts for RikSengupta_20:

(1, 10744), (2, 10747), (Start: 4 @10816 has 43 MA's),

Gene: SafetyGuy_19 Start: 10882, Stop: 11268, Start Num: 4

Candidate Starts for SafetyGuy_19:

(Start: 4 @10882 has 43 MA's), (5, 10936),

Gene: SilentWarrior_18 Start: 10089, Stop: 10472, Start Num: 4

Candidate Starts for SilentWarrior_18:

(Start: 4 @10089 has 43 MA's), (5, 10143),

Gene: Snakehole_20 Start: 10178, Stop: 10561, Start Num: 4

Candidate Starts for Snakehole_20:

(Start: 4 @10178 has 43 MA's), (5, 10232),

Gene: Sparcetus_20 Start: 10695, Stop: 11168, Start Num: 4

Candidate Starts for Sparcetus_20:

(1, 10623), (2, 10626), (Start: 4 @10695 has 43 MA's),

Gene: Tedro_19 Start: 10349, Stop: 10735, Start Num: 4

Candidate Starts for Tedro_19:

(Start: 4 @10349 has 43 MA's), (5, 10403),

Gene: Tiggy93_19 Start: 10882, Stop: 11268, Start Num: 4
Candidate Starts for Tiggy93_19:
(Start: 4 @10882 has 43 MA's), (5, 10936),

Gene: TinyMiny_20 Start: 10714, Stop: 11187, Start Num: 4
Candidate Starts for TinyMiny_20:
(1, 10642), (2, 10645), (Start: 4 @10714 has 43 MA's),

Gene: Tongui_18 Start: 10225, Stop: 10608, Start Num: 4
Candidate Starts for Tongui_18:
(Start: 4 @10225 has 43 MA's), (5, 10279),

Gene: WinnieLou_20 Start: 10521, Stop: 10904, Start Num: 4
Candidate Starts for WinnieLou_20:
(Start: 4 @10521 has 43 MA's), (5, 10575),

Gene: Wollypog_7 Start: 7470, Stop: 7859, Start Num: 3
Candidate Starts for Wollypog_7:
(Start: 3 @7470 has 1 MA's), (Start: 4 @7479 has 43 MA's), (6, 7551), (7, 7596),