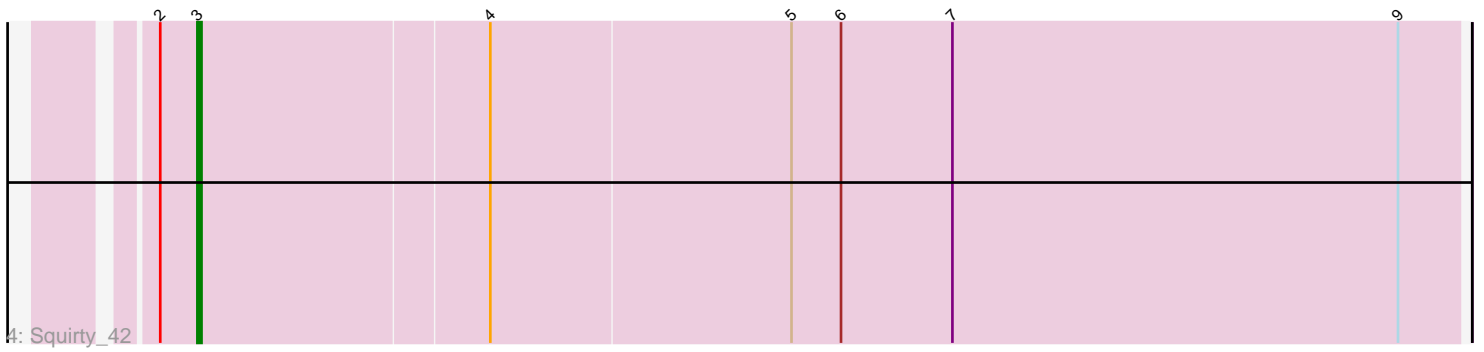
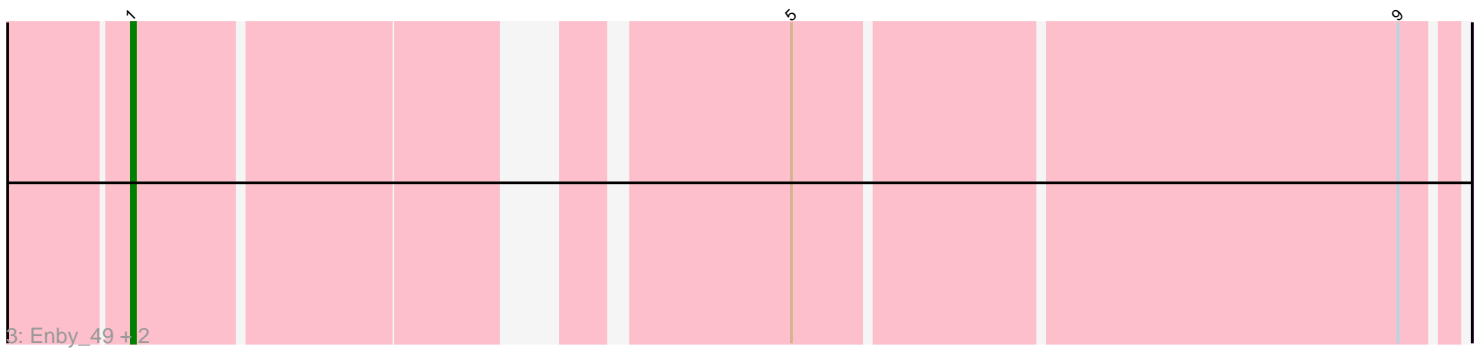
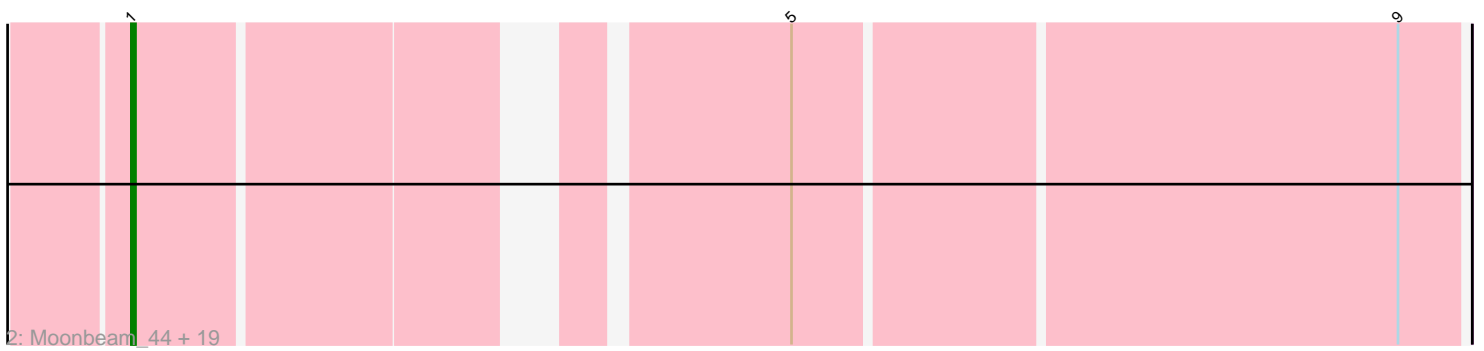
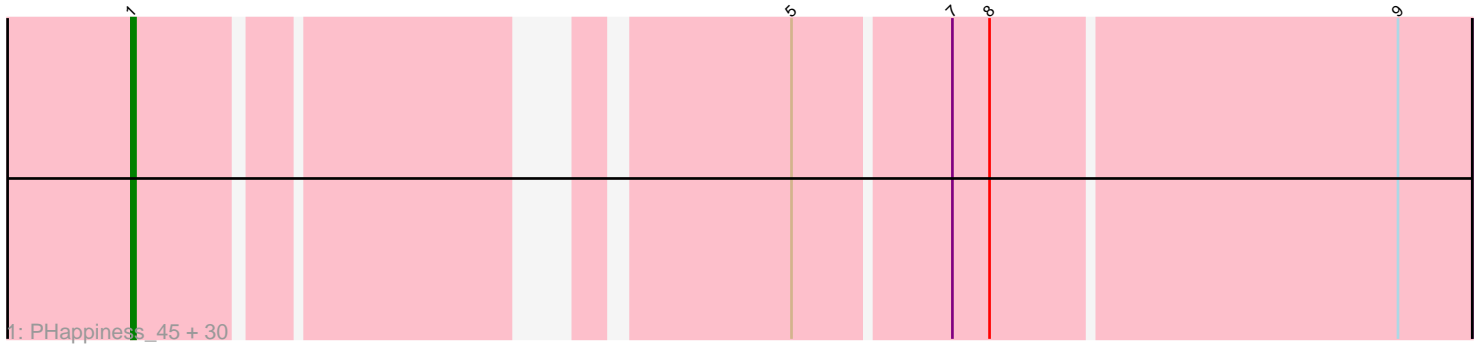


Pham 294784



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 294784 Report

This analysis was run 04/18/26 on database version 643.

Pham number 294784 has 55 members, 3 are drafts.

Phages represented in each track:

- Track 1 : PHappiness_45, Deb65_45, Inventum_44, Polka14_46, Scottish_48, Nimbo_44, ArcusAngelus_51, KingMidas_49, Leperchaun_42, Sassafras_47, Koella_42, Spoonbill_47, Crumble_43, JoeyJr_45, ShowerHandel_50, Pacc40_44, Chevrolet_54, Martik_48, Empress_48, ShiLan_48, FreddyB_48, Daenerys_44, Jarcob_48, Priscilla_48, NormanBulbieJr_49, Burwell21_47, Lizziana_54, Geralt_45, Cabrinians_49, RitaG_45, DoRead_49
- Track 2 : Moonbeam_44, Strokeseat_46, Melissauren88_46, StAnnes_47, Akhila_41, Bobi_50, IMpilo_46, MilanaBonita_41, Hlubikazi_45, XFactor_46, Flathead_48, SilverChicken_57, VRedHorse_48, Emma_48, Ovechkin_45, Mova_48, Ms6_41, MinionDave_47, Mandlovu_45, CaptainTrips_45
- Track 3 : Enby_49, Lorde_49, SG4_46
- Track 4 : Squirty_42

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

The start number called the most often in the published annotations is 1, it was called in 51 of the 52 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_41, ArcusAngelus_51, Bobi_50, Burwell21_47, Cabrinians_49, CaptainTrips_45, Chevrolet_54, Crumble_43, Daenerys_44, Deb65_45, DoRead_49, Emma_48, Empress_48, Enby_49, Flathead_48, FreddyB_48, Geralt_45, Hlubikazi_45, IMpilo_46, Inventum_44, Jarcob_48, JoeyJr_45, KingMidas_49, Koella_42, Leperchaun_42, Lizziana_54, Lorde_49, Mandlovu_45, Martik_48, Melissauren88_46, MilanaBonita_41, MinionDave_47, Moonbeam_44, Mova_48, Ms6_41, Nimbo_44, NormanBulbieJr_49, Ovechkin_45, PHappiness_45, Pacc40_44, Polka14_46, Priscilla_48, RitaG_45, SG4_46, Sassafras_47, Scottish_48, ShiLan_48, ShowerHandel_50, SilverChicken_57, Spoonbill_47, StAnnes_47, Strokeseat_46, VRedHorse_48, XFactor_46,

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

-

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

- Squirty_42,

Summary by start number:

Start 1:

- Found in 54 of 55 (98.2%) of genes in pham
- Manual Annotations of this start: 51 of 52
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Akhila_41 (F1), ArcusAngelus_51 (F1), Bobi_50 (F1), Burwell21_47 (F1), Cabrinians_49 (F1), CaptainTrips_45 (F1), Chevrolet_54 (F1), Crumble_43 (F1), Daenerys_44 (F1), Deb65_45 (F1), DoRead_49 (F1), Emma_48 (F1), Empress_48 (F1), Enby_49 (F1), Flathead_48 (F1), FreddyB_48 (F1), Geralt_45 (F1), Hlubikazi_45 (F1), IMpilo_46 (F1), Inventum_44 (F1), Jarcob_48 (F1), JoeyJr_45 (F1), KingMidas_49 (F1), Koella_42 (F1), Leperchaun_42 (F1), Lizziana_54 (F1), Lorde_49 (F1), Mandlovu_45 (F1), Martik_48 (F1), Melissauren88_46 (F1), MilanaBonita_41 (F1), MinionDave_47 (F1), Moonbeam_44 (F1), Mova_48 (F1), Ms6_41 (F1), Nimbo_44 (F1), NormanBulbieJr_49 (F1), Ovechkin_45 (F1), PHappiness_45 (F1), Pacc40_44 (F1), Polka14_46 (F1), Priscilla_48 (F1), RitaG_45 (F1), SG4_46 (F1), Sassafra_47 (F1), Scottish_48 (F1), ShiLan_48 (F1), ShowerHandel_50 (F1), SilverChicken_57 (F2), Spoonbill_47 (F1), StAnnes_47 (F1), Strokeseat_46 (F1), VRedHorse_48 (F1), XFactor_46 (F1),

Start 3:

- Found in 1 of 55 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 52
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Squirty_42 (F3),

Summary by clusters:

There are 3 clusters represented in this pham: F1, F2, F3,

Info for manual annotations of cluster F1:

- Start number 1 was manually annotated 51 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 3 was manually annotated 1 time for cluster F3.

Gene Information:

Gene: Akhila_41 Start: 32049, Stop: 32342, Start Num: 1

Candidate Starts for Akhila_41:

(Start: 1 @32049 has 51 MA's), (5, 32184), (9, 32328),

Gene: ArcusAngelus_51 Start: 37403, Stop: 37693, Start Num: 1

Candidate Starts for ArcusAngelus_51:

(Start: 1 @37403 has 51 MA's), (5, 37535), (7, 37571), (8, 37580), (9, 37676),

Gene: Bobi_50 Start: 36824, Stop: 37111, Start Num: 1

Candidate Starts for Bobi_50:

(Start: 1 @36824 has 51 MA's), (5, 36959), (9, 37100),

Gene: Burwell21_47 Start: 36341, Stop: 36631, Start Num: 1

Candidate Starts for Burwell21_47:

(Start: 1 @36341 has 51 MA's), (5, 36473), (7, 36509), (8, 36518), (9, 36614),

Gene: Cabrinians_49 Start: 36419, Stop: 36709, Start Num: 1

Candidate Starts for Cabrinians_49:

(Start: 1 @36419 has 51 MA's), (5, 36551), (7, 36587), (8, 36596), (9, 36692),

Gene: CaptainTrips_45 Start: 35257, Stop: 35544, Start Num: 1

Candidate Starts for CaptainTrips_45:

(Start: 1 @35257 has 51 MA's), (5, 35392), (9, 35533),

Gene: Chevrolet_54 Start: 37404, Stop: 37694, Start Num: 1

Candidate Starts for Chevrolet_54:

(Start: 1 @37404 has 51 MA's), (5, 37536), (7, 37572), (8, 37581), (9, 37677),

Gene: Crumble_43 Start: 32355, Stop: 32645, Start Num: 1

Candidate Starts for Crumble_43:

(Start: 1 @32355 has 51 MA's), (5, 32487), (7, 32523), (8, 32532), (9, 32628),

Gene: Daenerys_44 Start: 34725, Stop: 35015, Start Num: 1

Candidate Starts for Daenerys_44:

(Start: 1 @34725 has 51 MA's), (5, 34857), (7, 34893), (8, 34902), (9, 34998),

Gene: Deb65_45 Start: 34694, Stop: 34984, Start Num: 1

Candidate Starts for Deb65_45:

(Start: 1 @34694 has 51 MA's), (5, 34826), (7, 34862), (8, 34871), (9, 34967),

Gene: DoRead_49 Start: 35092, Stop: 35382, Start Num: 1

Candidate Starts for DoRead_49:

(Start: 1 @35092 has 51 MA's), (5, 35224), (7, 35260), (8, 35269), (9, 35365),

Gene: Emma_48 Start: 35593, Stop: 35883, Start Num: 1

Candidate Starts for Emma_48:

(Start: 1 @35593 has 51 MA's), (5, 35728), (9, 35869),

Gene: Empress_48 Start: 36139, Stop: 36429, Start Num: 1

Candidate Starts for Empress_48:

(Start: 1 @36139 has 51 MA's), (5, 36271), (7, 36307), (8, 36316), (9, 36412),

Gene: Enby_49 Start: 34770, Stop: 35057, Start Num: 1

Candidate Starts for Enby_49:

(Start: 1 @34770 has 51 MA's), (5, 34905), (9, 35046),

Gene: Flathead_48 Start: 36525, Stop: 36836, Start Num: 1

Candidate Starts for Flathead_48:

(Start: 1 @36525 has 51 MA's), (5, 36681), (9, 36825),

Gene: FreddyB_48 Start: 35267, Stop: 35557, Start Num: 1

Candidate Starts for FreddyB_48:

(Start: 1 @35267 has 51 MA's), (5, 35399), (7, 35435), (8, 35444), (9, 35540),

Gene: Geralt_45 Start: 34693, Stop: 34983, Start Num: 1

Candidate Starts for Geralt_45:

(Start: 1 @34693 has 51 MA's), (5, 34825), (7, 34861), (8, 34870), (9, 34966),

Gene: Hlubikazi_45 Start: 34709, Stop: 34996, Start Num: 1

Candidate Starts for Hlubikazi_45:

(Start: 1 @34709 has 51 MA's), (5, 34844), (9, 34985),

Gene: IMpilo_46 Start: 34649, Stop: 34936, Start Num: 1

Candidate Starts for IMpilo_46:

(Start: 1 @34649 has 51 MA's), (5, 34784), (9, 34925),

Gene: Inventum_44 Start: 35406, Stop: 35696, Start Num: 1

Candidate Starts for Inventum_44:

(Start: 1 @35406 has 51 MA's), (5, 35538), (7, 35574), (8, 35583), (9, 35679),

Gene: Jacob_48 Start: 36387, Stop: 36677, Start Num: 1

Candidate Starts for Jacob_48:

(Start: 1 @36387 has 51 MA's), (5, 36519), (7, 36555), (8, 36564), (9, 36660),

Gene: JoeyJr_45 Start: 34893, Stop: 35183, Start Num: 1

Candidate Starts for JoeyJr_45:

(Start: 1 @34893 has 51 MA's), (5, 35025), (7, 35061), (8, 35070), (9, 35166),

Gene: KingMidas_49 Start: 36555, Stop: 36845, Start Num: 1

Candidate Starts for KingMidas_49:

(Start: 1 @36555 has 51 MA's), (5, 36687), (7, 36723), (8, 36732), (9, 36828),

Gene: Koella_42 Start: 32317, Stop: 32607, Start Num: 1

Candidate Starts for Koella_42:

(Start: 1 @32317 has 51 MA's), (5, 32449), (7, 32485), (8, 32494), (9, 32590),

Gene: Leperchaun_42 Start: 34123, Stop: 34413, Start Num: 1

Candidate Starts for Leperchaun_42:

(Start: 1 @34123 has 51 MA's), (5, 34255), (7, 34291), (8, 34300), (9, 34396),

Gene: Lizziana_54 Start: 37390, Stop: 37680, Start Num: 1

Candidate Starts for Lizziana_54:

(Start: 1 @37390 has 51 MA's), (5, 37522), (7, 37558), (8, 37567), (9, 37663),

Gene: Lorde_49 Start: 34745, Stop: 35032, Start Num: 1

Candidate Starts for Lorde_49:

(Start: 1 @34745 has 51 MA's), (5, 34880), (9, 35021),

Gene: Mandlovu_45 Start: 34651, Stop: 34938, Start Num: 1

Candidate Starts for Mandlovu_45:

(Start: 1 @34651 has 51 MA's), (5, 34786), (9, 34927),

Gene: Martik_48 Start: 36343, Stop: 36633, Start Num: 1

Candidate Starts for Martik_48:

(Start: 1 @36343 has 51 MA's), (5, 36475), (7, 36511), (8, 36520), (9, 36616),

Gene: Melissauern88_46 Start: 35495, Stop: 35782, Start Num: 1
Candidate Starts for Melissauern88_46:
(Start: 1 @35495 has 51 MA's), (5, 35630), (9, 35771),

Gene: MilanaBonita_41 Start: 32049, Stop: 32342, Start Num: 1
Candidate Starts for MilanaBonita_41:
(Start: 1 @32049 has 51 MA's), (5, 32184), (9, 32328),

Gene: MinionDave_47 Start: 36032, Stop: 36319, Start Num: 1
Candidate Starts for MinionDave_47:
(Start: 1 @36032 has 51 MA's), (5, 36167), (9, 36308),

Gene: Moonbeam_44 Start: 35549, Stop: 35839, Start Num: 1
Candidate Starts for Moonbeam_44:
(Start: 1 @35549 has 51 MA's), (5, 35684), (9, 35825),

Gene: Mova_48 Start: 35315, Stop: 35602, Start Num: 1
Candidate Starts for Mova_48:
(Start: 1 @35315 has 51 MA's), (5, 35450), (9, 35591),

Gene: Ms6_41 Start: 30561, Stop: 30848, Start Num: 1
Candidate Starts for Ms6_41:
(Start: 1 @30561 has 51 MA's), (5, 30696), (9, 30837),

Gene: Nimbo_44 Start: 34696, Stop: 34986, Start Num: 1
Candidate Starts for Nimbo_44:
(Start: 1 @34696 has 51 MA's), (5, 34828), (7, 34864), (8, 34873), (9, 34969),

Gene: NormanBulbieJr_49 Start: 36330, Stop: 36620, Start Num: 1
Candidate Starts for NormanBulbieJr_49:
(Start: 1 @36330 has 51 MA's), (5, 36462), (7, 36498), (8, 36507), (9, 36603),

Gene: Ovechkin_45 Start: 35876, Stop: 36169, Start Num: 1
Candidate Starts for Ovechkin_45:
(Start: 1 @35876 has 51 MA's), (5, 36011), (9, 36155),

Gene: PHappiness_45 Start: 34669, Stop: 34959, Start Num: 1
Candidate Starts for PHappiness_45:
(Start: 1 @34669 has 51 MA's), (5, 34801), (7, 34837), (8, 34846), (9, 34942),

Gene: Pacc40_44 Start: 34743, Stop: 35033, Start Num: 1
Candidate Starts for Pacc40_44:
(Start: 1 @34743 has 51 MA's), (5, 34875), (7, 34911), (8, 34920), (9, 35016),

Gene: Polka14_46 Start: 35346, Stop: 35636, Start Num: 1
Candidate Starts for Polka14_46:
(Start: 1 @35346 has 51 MA's), (5, 35478), (7, 35514), (8, 35523), (9, 35619),

Gene: Priscilla_48 Start: 36429, Stop: 36719, Start Num: 1
Candidate Starts for Priscilla_48:
(Start: 1 @36429 has 51 MA's), (5, 36561), (7, 36597), (8, 36606), (9, 36702),

Gene: RitaG_45 Start: 35014, Stop: 35304, Start Num: 1
Candidate Starts for RitaG_45:
(Start: 1 @35014 has 51 MA's), (5, 35146), (7, 35182), (8, 35191), (9, 35287),

Gene: SG4_46 Start: 35255, Stop: 35542, Start Num: 1
Candidate Starts for SG4_46:
(Start: 1 @35255 has 51 MA's), (5, 35390), (9, 35531),

Gene: Sassafras_47 Start: 35405, Stop: 35695, Start Num: 1
Candidate Starts for Sassafras_47:
(Start: 1 @35405 has 51 MA's), (5, 35537), (7, 35573), (8, 35582), (9, 35678),

Gene: Scottish_48 Start: 36026, Stop: 36316, Start Num: 1
Candidate Starts for Scottish_48:
(Start: 1 @36026 has 51 MA's), (5, 36158), (7, 36194), (8, 36203), (9, 36299),

Gene: ShiLan_48 Start: 36376, Stop: 36666, Start Num: 1
Candidate Starts for ShiLan_48:
(Start: 1 @36376 has 51 MA's), (5, 36508), (7, 36544), (8, 36553), (9, 36649),

Gene: ShowerHandel_50 Start: 36343, Stop: 36633, Start Num: 1
Candidate Starts for ShowerHandel_50:
(Start: 1 @36343 has 51 MA's), (5, 36475), (7, 36511), (8, 36520), (9, 36616),

Gene: SilverChicken_57 Start: 35783, Stop: 36070, Start Num: 1
Candidate Starts for SilverChicken_57:
(Start: 1 @35783 has 51 MA's), (5, 35918), (9, 36059),

Gene: Spoonbill_47 Start: 34968, Stop: 35258, Start Num: 1
Candidate Starts for Spoonbill_47:
(Start: 1 @34968 has 51 MA's), (5, 35100), (7, 35136), (8, 35145), (9, 35241),

Gene: Squirty_42 Start: 33408, Stop: 33710, Start Num: 3
Candidate Starts for Squirty_42:
(2, 33399), (Start: 3 @33408 has 1 MA's), (4, 33477), (5, 33549), (6, 33561), (7, 33588), (9, 33696),

Gene: StAnnes_47 Start: 36474, Stop: 36761, Start Num: 1
Candidate Starts for StAnnes_47:
(Start: 1 @36474 has 51 MA's), (5, 36609), (9, 36750),

Gene: Strokeseat_46 Start: 34708, Stop: 34995, Start Num: 1
Candidate Starts for Strokeseat_46:
(Start: 1 @34708 has 51 MA's), (5, 34843), (9, 34984),

Gene: VRedHorse_48 Start: 35719, Stop: 36030, Start Num: 1
Candidate Starts for VRedHorse_48:
(Start: 1 @35719 has 51 MA's), (5, 35875), (9, 36019),

Gene: XFactor_46 Start: 35203, Stop: 35490, Start Num: 1
Candidate Starts for XFactor_46:
(Start: 1 @35203 has 51 MA's), (5, 35338), (9, 35479),