

Pham 305031



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 305031 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305031 has 60 members, 11 are drafts.

Phages represented in each track:

- Track 1 : Westerlin_47, Gordon_46, Caterpillar_45, Darby_47, Trustiboi_48, Acai_49, Breylor17_48, Issa_47, Tenno_49, CastorTray_51
- Track 2 : ElephantMan_48, Nightmare_50, Niktson_48
- Track 3 : Dinallo_48, MiniBagel_48, CapnMurica_46
- Track 4 : Brunswick_49
- Track 5 : ScienceWizSam_49, Nivinsha_50, Tatanka_46, AreFloNak_51, DevitoJr_48
- Track 6 : LucySwiss_48
- Track 7 : Teacup_49
- Track 8 : Tokki_53
- Track 9 : Phaby_51
- Track 10 : MediumFry_46, Synopsis_47
- Track 11 : Makai_48, Truckee_46
- Track 12 : PoeMe_51
- Track 13 : BlackHoleSun_52, Tenney120_52
- Track 14 : ProfFrink_48, Egad_48, Sloopyjoe_48, Boog_47, Linda_48, Stayer_48, BronxBay_48, StarLord_48, Shiba_47, Spain_51, MrAaronian_48, Djungelskog_48, Jeremy4pt0_47, Raunak_51, Michelle_48, DoctorPepper_47, Salk_48, HerbBucket_49
- Track 15 : Onestar_47
- Track 16 : Sporto_49
- Track 17 : RustyBoy_49, Natasha_49
- Track 18 : Sprinkle_47
- Track 19 : Daddyjeff_44, Serenabean_44
- Track 20 : AddiRose_43
- Track 21 : Sweetclover_43

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

The start number called the most often in the published annotations is 6, it was called in 47 of the 49 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acai_49, AddiRose_43, AreFloNak_51, Boog_47, Breylor17_48, BronxBay_48, Brunswick_49, CapnMurica_46, CastorTray_51, Caterpillar_45, Daddyjeff_44, Darby_47, DevitoJr_48, Dinallo_48, Djungelskog_48, DoctorPepper_47, Egad_48, ElephantMan_48, Gordon_46, HerbBucket_49, Issa_47, Jeremy4pt0_47, Linda_48, LucySwiss_48, Makai_48, MediumFry_46, Michelle_48, MiniBagel_48, MrAaronian_48, Natasha_49, Nightmare_50, Niktson_48, Nivinsha_50, Onestar_47, Phaby_51, ProfFrink_48, Raunak_51, RustyBoy_49, Salk_48, ScienceWizSam_49, Serenabean_44, Shiba_47, Sloopyjoe_48, Spain_51, Sporto_49, Sprinkle_47, StarLord_48, Stayer_48, Sweetclover_43, Synepsis_47, Tatanka_46, Teacup_49, Tenno_49, Tokki_53, Truckee_46, Trustiboi_48, Westerlin_47,

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

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

- BlackHoleSun_52, PoeMe_51, Tenney120_52,

Summary by start number:

Start 6:

- Found in 57 of 60 (95.0%) of genes in pham
- Manual Annotations of this start: 47 of 49
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acai_49 (AU1), AddiRose_43 (JA), AreFloNak_51 (AU1), Boog_47 (AW), Breylor17_48 (AU1), BronxBay_48 (AW), Brunswick_49 (AU1), CapnMurica_46 (AU1), CastorTray_51 (AU1), Caterpillar_45 (AU4), Daddyjeff_44 (JA), Darby_47 (AU1), DevitoJr_48 (AU1), Dinallo_48 (AU1), Djungelskog_48 (AW), DoctorPepper_47 (AW), Egad_48 (AW), ElephantMan_48 (AU1), Gordon_46 (AU1), HerbBucket_49 (AW), Issa_47 (AU1), Jeremy4pt0_47 (AW), Linda_48 (AW), LucySwiss_48 (AU1), Makai_48 (AU5), MediumFry_46 (AU4), Michelle_48 (AW), MiniBagel_48 (AU1), MrAaronian_48 (AW), Natasha_49 (AW), Nightmare_50 (AU1), Niktson_48 (AU1), Nivinsha_50 (AU1), Onestar_47 (AW), Phaby_51 (AU2), ProfFrink_48 (AW), Raunak_51 (AW), RustyBoy_49 (AW), Salk_48 (AW), ScienceWizSam_49 (AU1), Serenabean_44 (JA), Shiba_47 (AW), Sloopyjoe_48 (AW), Spain_51 (AW), Sporto_49 (AW), Sprinkle_47 (AW), StarLord_48 (AW), Stayer_48 (AW), Sweetclover_43 (JA), Synepsis_47 (AU1), Tatanka_46 (AU1), Teacup_49 (AU1), Tenno_49 (AU1), Tokki_53 (AU2), Truckee_46 (AU5), Trustiboi_48 (AU1), Westerlin_47 (AU1),

Start 7:

- Found in 3 of 60 (5.0%) of genes in pham
- Manual Annotations of this start: 2 of 49
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlackHoleSun_52 (AU6), PoeMe_51 (AU6), Tenney120_52 (AU6),

Summary by clusters:

There are 7 clusters represented in this pham: AU1, AU2, AU5, AU4, AW, AU6, JA,

Info for manual annotations of cluster AU1:

- Start number 6 was manually annotated 19 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 6 was manually annotated 2 times for cluster AU2.

Info for manual annotations of cluster AU4:

- Start number 6 was manually annotated 2 times for cluster AU4.

Info for manual annotations of cluster AU5:

- Start number 6 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU6:

- Start number 7 was manually annotated 2 times for cluster AU6.

Info for manual annotations of cluster AW:

- Start number 6 was manually annotated 18 times for cluster AW.

Info for manual annotations of cluster JA:

- Start number 6 was manually annotated 4 times for cluster JA.

Gene Information:

Gene: Acai_49 Start: 34862, Stop: 34987, Start Num: 6

Candidate Starts for Acai_49:

(Start: 6 @34862 has 47 MA's), (17, 34967),

Gene: AddiRose_43 Start: 31154, Stop: 31291, Start Num: 6

Candidate Starts for AddiRose_43:

(Start: 6 @31154 has 47 MA's), (11, 31193), (13, 31208), (18, 31265),

Gene: AreFloNak_51 Start: 34832, Stop: 34957, Start Num: 6

Candidate Starts for AreFloNak_51:

(Start: 6 @34832 has 47 MA's), (17, 34937),

Gene: BlackHoleSun_52 Start: 33361, Stop: 33477, Start Num: 7

Candidate Starts for BlackHoleSun_52:

(Start: 7 @33361 has 2 MA's), (9, 33379), (12, 33406), (16, 33457),

Gene: Boog_47 Start: 32283, Stop: 32408, Start Num: 6

Candidate Starts for Boog_47:

(Start: 6 @32283 has 47 MA's), (10, 32310), (11, 32322),

Gene: Breylor17_48 Start: 35423, Stop: 35548, Start Num: 6

Candidate Starts for Breylor17_48:

(Start: 6 @35423 has 47 MA's), (17, 35528),

Gene: BronxBay_48 Start: 32581, Stop: 32706, Start Num: 6

Candidate Starts for BronxBay_48:

(Start: 6 @32581 has 47 MA's), (10, 32608), (11, 32620),

Gene: Brunswick_49 Start: 34716, Stop: 34841, Start Num: 6

Candidate Starts for Brunswick_49:

(Start: 6 @34716 has 47 MA's), (15, 34794), (17, 34821),

Gene: CapnMurica_46 Start: 35616, Stop: 35741, Start Num: 6
Candidate Starts for CapnMurica_46:
(3, 35562), (Start: 6 @35616 has 47 MA's), (17, 35721),

Gene: CastorTray_51 Start: 35487, Stop: 35612, Start Num: 6
Candidate Starts for CastorTray_51:
(Start: 6 @35487 has 47 MA's), (17, 35592),

Gene: Caterpillar_45 Start: 33882, Stop: 34007, Start Num: 6
Candidate Starts for Caterpillar_45:
(Start: 6 @33882 has 47 MA's), (17, 33987),

Gene: Daddyjeff_44 Start: 31430, Stop: 31570, Start Num: 6
Candidate Starts for Daddyjeff_44:
(Start: 6 @31430 has 47 MA's), (11, 31469), (13, 31484),

Gene: Darby_47 Start: 34661, Stop: 34786, Start Num: 6
Candidate Starts for Darby_47:
(Start: 6 @34661 has 47 MA's), (17, 34766),

Gene: DevitoJr_48 Start: 35053, Stop: 35178, Start Num: 6
Candidate Starts for DevitoJr_48:
(Start: 6 @35053 has 47 MA's), (17, 35158),

Gene: Dinallo_48 Start: 35925, Stop: 36050, Start Num: 6
Candidate Starts for Dinallo_48:
(3, 35871), (Start: 6 @35925 has 47 MA's), (17, 36030),

Gene: Djungelskog_48 Start: 32580, Stop: 32705, Start Num: 6
Candidate Starts for Djungelskog_48:
(Start: 6 @32580 has 47 MA's), (10, 32607), (11, 32619),

Gene: DoctorPepper_47 Start: 32285, Stop: 32410, Start Num: 6
Candidate Starts for DoctorPepper_47:
(Start: 6 @32285 has 47 MA's), (10, 32312), (11, 32324),

Gene: Egad_48 Start: 32582, Stop: 32707, Start Num: 6
Candidate Starts for Egad_48:
(Start: 6 @32582 has 47 MA's), (10, 32609), (11, 32621),

Gene: ElephantMan_48 Start: 35339, Stop: 35464, Start Num: 6
Candidate Starts for ElephantMan_48:
(Start: 6 @35339 has 47 MA's), (17, 35444),

Gene: Gordon_46 Start: 35478, Stop: 35603, Start Num: 6
Candidate Starts for Gordon_46:
(Start: 6 @35478 has 47 MA's), (17, 35583),

Gene: HerbBucket_49 Start: 32280, Stop: 32405, Start Num: 6
Candidate Starts for HerbBucket_49:
(Start: 6 @32280 has 47 MA's), (10, 32307), (11, 32319),

Gene: Issa_47 Start: 34704, Stop: 34829, Start Num: 6
Candidate Starts for Issa_47:
(Start: 6 @34704 has 47 MA's), (17, 34809),

Gene: Jeremy4pt0_47 Start: 32280, Stop: 32405, Start Num: 6
Candidate Starts for Jeremy4pt0_47:
(Start: 6 @32280 has 47 MA's), (10, 32307), (11, 32319),

Gene: Linda_48 Start: 32578, Stop: 32703, Start Num: 6
Candidate Starts for Linda_48:
(Start: 6 @32578 has 47 MA's), (10, 32605), (11, 32617),

Gene: LucySwiss_48 Start: 34506, Stop: 34631, Start Num: 6
Candidate Starts for LucySwiss_48:
(Start: 6 @34506 has 47 MA's), (15, 34584), (17, 34611),

Gene: Makai_48 Start: 34863, Stop: 34988, Start Num: 6
Candidate Starts for Makai_48:
(2, 34791), (4, 34818), (5, 34833), (Start: 6 @34863 has 47 MA's), (14, 34920), (17, 34968),

Gene: MediumFry_46 Start: 34186, Stop: 34311, Start Num: 6
Candidate Starts for MediumFry_46:
(Start: 6 @34186 has 47 MA's), (17, 34291),

Gene: Michelle_48 Start: 32580, Stop: 32705, Start Num: 6
Candidate Starts for Michelle_48:
(Start: 6 @32580 has 47 MA's), (10, 32607), (11, 32619),

Gene: MiniBagel_48 Start: 35598, Stop: 35723, Start Num: 6
Candidate Starts for MiniBagel_48:
(3, 35544), (Start: 6 @35598 has 47 MA's), (17, 35703),

Gene: MrAaronian_48 Start: 32580, Stop: 32705, Start Num: 6
Candidate Starts for MrAaronian_48:
(Start: 6 @32580 has 47 MA's), (10, 32607), (11, 32619),

Gene: Natasha_49 Start: 32374, Stop: 32499, Start Num: 6
Candidate Starts for Natasha_49:
(Start: 6 @32374 has 47 MA's), (16, 32476),

Gene: Nightmare_50 Start: 35895, Stop: 36020, Start Num: 6
Candidate Starts for Nightmare_50:
(Start: 6 @35895 has 47 MA's), (17, 36000),

Gene: Niktson_48 Start: 35339, Stop: 35464, Start Num: 6
Candidate Starts for Niktson_48:
(Start: 6 @35339 has 47 MA's), (17, 35444),

Gene: Nivinsha_50 Start: 34832, Stop: 34957, Start Num: 6
Candidate Starts for Nivinsha_50:
(Start: 6 @34832 has 47 MA's), (17, 34937),

Gene: Onestar_47 Start: 32126, Stop: 32251, Start Num: 6

Candidate Starts for Onestar_47:
(1, 32051), (Start: 6 @32126 has 47 MA's), (10, 32153), (11, 32165),

Gene: Phaby_51 Start: 35428, Stop: 35553, Start Num: 6
Candidate Starts for Phaby_51:
(Start: 6 @35428 has 47 MA's), (16, 35530), (17, 35533),

Gene: PoeMe_51 Start: 33929, Stop: 34045, Start Num: 7
Candidate Starts for PoeMe_51:
(Start: 7 @33929 has 2 MA's), (9, 33947), (12, 33974), (16, 34025),

Gene: ProfFrink_48 Start: 32581, Stop: 32706, Start Num: 6
Candidate Starts for ProfFrink_48:
(Start: 6 @32581 has 47 MA's), (10, 32608), (11, 32620),

Gene: Raunak_51 Start: 32278, Stop: 32403, Start Num: 6
Candidate Starts for Raunak_51:
(Start: 6 @32278 has 47 MA's), (10, 32305), (11, 32317),

Gene: RustyBoy_49 Start: 32355, Stop: 32480, Start Num: 6
Candidate Starts for RustyBoy_49:
(Start: 6 @32355 has 47 MA's), (16, 32457),

Gene: Salk_48 Start: 32578, Stop: 32703, Start Num: 6
Candidate Starts for Salk_48:
(Start: 6 @32578 has 47 MA's), (10, 32605), (11, 32617),

Gene: ScienceWizSam_49 Start: 34940, Stop: 35065, Start Num: 6
Candidate Starts for ScienceWizSam_49:
(Start: 6 @34940 has 47 MA's), (17, 35045),

Gene: Serenabean_44 Start: 31433, Stop: 31573, Start Num: 6
Candidate Starts for Serenabean_44:
(Start: 6 @31433 has 47 MA's), (11, 31472), (13, 31487),

Gene: Shiba_47 Start: 32278, Stop: 32403, Start Num: 6
Candidate Starts for Shiba_47:
(Start: 6 @32278 has 47 MA's), (10, 32305), (11, 32317),

Gene: Sloopyjoe_48 Start: 32582, Stop: 32707, Start Num: 6
Candidate Starts for Sloopyjoe_48:
(Start: 6 @32582 has 47 MA's), (10, 32609), (11, 32621),

Gene: Spain_51 Start: 32580, Stop: 32705, Start Num: 6
Candidate Starts for Spain_51:
(Start: 6 @32580 has 47 MA's), (10, 32607), (11, 32619),

Gene: Sporto_49 Start: 34042, Stop: 34167, Start Num: 6
Candidate Starts for Sporto_49:
(Start: 6 @34042 has 47 MA's), (10, 34069), (11, 34081), (15, 34120),

Gene: Sprinkle_47 Start: 33056, Stop: 33181, Start Num: 6
Candidate Starts for Sprinkle_47:

(Start: 6 @33056 has 47 MA's), (8, 33074), (9, 33080), (12, 33107), (16, 33158),

Gene: StarLord_48 Start: 32581, Stop: 32706, Start Num: 6

Candidate Starts for StarLord_48:

(Start: 6 @32581 has 47 MA's), (10, 32608), (11, 32620),

Gene: Stayer_48 Start: 32578, Stop: 32703, Start Num: 6

Candidate Starts for Stayer_48:

(Start: 6 @32578 has 47 MA's), (10, 32605), (11, 32617),

Gene: Sweetclover_43 Start: 30218, Stop: 30346, Start Num: 6

Candidate Starts for Sweetclover_43:

(Start: 6 @30218 has 47 MA's), (18, 30329),

Gene: Synopsis_47 Start: 35008, Stop: 35133, Start Num: 6

Candidate Starts for Synopsis_47:

(Start: 6 @35008 has 47 MA's), (17, 35113),

Gene: Tatanka_46 Start: 35128, Stop: 35253, Start Num: 6

Candidate Starts for Tatanka_46:

(Start: 6 @35128 has 47 MA's), (17, 35233),

Gene: Teacup_49 Start: 35368, Stop: 35493, Start Num: 6

Candidate Starts for Teacup_49:

(Start: 6 @35368 has 47 MA's), (17, 35473),

Gene: Tenney120_52 Start: 33971, Stop: 34087, Start Num: 7

Candidate Starts for Tenney120_52:

(Start: 7 @33971 has 2 MA's), (9, 33989), (12, 34016), (16, 34067),

Gene: Tenno_49 Start: 35671, Stop: 35796, Start Num: 6

Candidate Starts for Tenno_49:

(Start: 6 @35671 has 47 MA's), (17, 35776),

Gene: Tokki_53 Start: 35062, Stop: 35187, Start Num: 6

Candidate Starts for Tokki_53:

(Start: 6 @35062 has 47 MA's), (16, 35164), (17, 35167),

Gene: Truckee_46 Start: 34653, Stop: 34778, Start Num: 6

Candidate Starts for Truckee_46:

(2, 34581), (4, 34608), (5, 34623), (Start: 6 @34653 has 47 MA's), (14, 34710), (17, 34758),

Gene: Trustiboi_48 Start: 35209, Stop: 35334, Start Num: 6

Candidate Starts for Trustiboi_48:

(Start: 6 @35209 has 47 MA's), (17, 35314),

Gene: Westerlin_47 Start: 36222, Stop: 36347, Start Num: 6

Candidate Starts for Westerlin_47:

(Start: 6 @36222 has 47 MA's), (17, 36327),