

Pham 308652



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 308652 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308652 has 59 members, 16 are drafts.

Phages represented in each track:

- Track 1 : Quasar_54, Agatha_54, Carsonalex_57, Axym_53, GoldHunter_55, RADical_55, Bubble_52
- Track 2 : Starburst_54, Cozz_52, Socotra_55, PsychoKiller_53, RSchmailzl_55, RedBaron_60, MunkgeeRoachy_52, Sopespian_51, Typhonomachy_53, Elliott_54
- Track 3 : AikoCarson_55, Emalyn_53, Amok_55
- Track 4 : Nina_54, Burnsey_54, SweatNTears_56
- Track 5 : Biskit_56, SketchMex_54, Blondies_57, Yummy_56, Buttrmlkdreams_56, Troje_56, MScarn_58, Horseradish_56
- Track 6 : Lauer_53
- Track 7 : Elinal_63, KayGee_61
- Track 8 : Bavidard_57, SummitAcademy_58, BigChungus_58, Yucky_61, PotPie_58, CocoaPuff_58, Vine_61, Tarnish_58, Balloona_57, Feastonyeet_58
- Track 9 : Yarn_51, CanesSauce_53, SteamedHams_55, CaramellLatte_53, Tolls_55, ChocoMunchkin_53, AndPeggy_51, BillDoor_54
- Track 10 : SheckWes_62, ElJefes_60, McDazzle_60
- Track 11 : CherryonLim_59, Mayweather_62
- Track 12 : Pons_60
- Track 13 : MAnor_60

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 43 of the 43 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agatha_54, AikoCarson_55, Amok_55, AndPeggy_51, Axym_53, Balloona_57, Bavidard_57, BigChungus_58, BillDoor_54, Biskit_56, Blondies_57, Bubble_52, Burnsey_54, Buttrmlkdreams_56, CanesSauce_53, CaramellLatte_53, Carsonalex_57, CherryonLim_59, ChocoMunchkin_53, CocoaPuff_58, Cozz_52, ElJefes_60, Elinal_63, Elliott_54, Emalyn_53, Feastonyeet_58, GoldHunter_55, Horseradish_56, KayGee_61, Lauer_53, MAnor_60, MScarn_58, Mayweather_62, McDazzle_60, MunkgeeRoachy_52, Nina_54, Pons_60, PotPie_58, PsychoKiller_53, Quasar_54, RADical_55, RSchmailzl_55, RedBaron_60, SheckWes_62, SketchMex_54, Socotra_55, Sopespian_51, Starburst_54, SteamedHams_55,

SummitAcademy_58, SweatNTears_56, Tarnish_58, Tolls_55, Troje_56, Typhonomachy_53, Vine_61, Yarn_51, Yucky_61, Yummy_56,

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 1:

- Found in 59 of 59 (100.0%) of genes in pham
- Manual Annotations of this start: 43 of 43
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agatha_54 (CT), AikoCarson_55 (CT), Amok_55 (CT), AndPeggy_51 (CT), Axym_53 (CT), Balloona_57 (CT), Bavidard_57 (CT), BigChungus_58 (CT), BillDoor_54 (CT), Biskit_56 (CT), Blondies_57 (CT), Bubble_52 (CT), Burnsey_54 (CT), Buttrmlkdreams_56 (CT), CanesSauce_53 (CT), CaramelLatte_53 (CT), Carsonalex_57 (CT), CherryonLim_59 (CT), ChocoMunchkin_53 (CT), CocoaPuff_58 (CT), Cozz_52 (CT), ElJefes_60 (CT), Elinal_63 (CT), Elliott_54 (CT), Emalyn_53 (CT), Feastonyeet_58 (CT), GoldHunter_55 (CT), Horseradish_56 (CT), KayGee_61 (CT), Lauer_53 (CT), MAnor_60 (CT), MScarn_58 (CT), Mayweather_62 (CT), McDazzle_60 (CT), MunkgeeRoachy_52 (CT), Nina_54 (CT), Pons_60 (CT), PotPie_58 (CT), PsychoKiller_53 (CT), Quasar_54 (CT), RADical_55 (CT), RSchmailzl_55 (CT), RedBaron_60 (CT), SheckWes_62 (CT), SketchMex_54 (CT), Socotra_55 (CT), Sopespian_51 (CT), Starburst_54 (CT), SteamedHams_55 (CT), SummitAcademy_58 (CT), SweatNTears_56 (CT), Tarnish_58 (CT), Tolls_55 (CT), Troje_56 (CT), Typhonomachy_53 (CT), Vine_61 (CT), Yarn_51 (CT), Yucky_61 (CT), Yummy_56 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:

- Start number 1 was manually annotated 43 times for cluster CT.

Gene Information:

Gene: Agatha_54 Start: 39108, Stop: 38839, Start Num: 1

Candidate Starts for Agatha_54:

(Start: 1 @39108 has 43 MA's), (6, 38991), (7, 38976), (10, 38952), (16, 38892), (18, 38883), (19, 38862),

Gene: AikoCarson_55 Start: 39322, Stop: 39104, Start Num: 1

Candidate Starts for AikoCarson_55:

(Start: 1 @39322 has 43 MA's), (4, 39241), (9, 39220), (10, 39217), (19, 39127),

Gene: Amok_55 Start: 39250, Stop: 39032, Start Num: 1

Candidate Starts for Amok_55:

(Start: 1 @39250 has 43 MA's), (4, 39169), (9, 39148), (10, 39145), (19, 39055),

Gene: AndPeggy_51 Start: 38515, Stop: 38312, Start Num: 1

Candidate Starts for AndPeggy_51:

(Start: 1 @38515 has 43 MA's), (2, 38476), (10, 38425), (13, 38395), (19, 38335),

Gene: Axym_53 Start: 39005, Stop: 38736, Start Num: 1

Candidate Starts for Axym_53:

(Start: 1 @39005 has 43 MA's), (6, 38888), (7, 38873), (10, 38849), (16, 38789), (18, 38780), (19, 38759),

Gene: Balloona_57 Start: 41340, Stop: 41140, Start Num: 1

Candidate Starts for Balloona_57:

(Start: 1 @41340 has 43 MA's), (8, 41250), (15, 41196), (16, 41187), (18, 41178), (19, 41157),

Gene: Bavilard_57 Start: 40350, Stop: 40153, Start Num: 1

Candidate Starts for Bavilard_57:

(Start: 1 @40350 has 43 MA's), (8, 40260), (15, 40206), (16, 40197), (18, 40188), (19, 40167),

Gene: BigChungus_58 Start: 40881, Stop: 40681, Start Num: 1

Candidate Starts for BigChungus_58:

(Start: 1 @40881 has 43 MA's), (8, 40791), (15, 40737), (16, 40728), (18, 40719), (19, 40698),

Gene: BillDoor_54 Start: 38191, Stop: 37988, Start Num: 1

Candidate Starts for BillDoor_54:

(Start: 1 @38191 has 43 MA's), (2, 38152), (10, 38101), (13, 38071), (19, 38011),

Gene: Biskit_56 Start: 38917, Stop: 38645, Start Num: 1

Candidate Starts for Biskit_56:

(Start: 1 @38917 has 43 MA's), (14, 38725), (16, 38698), (19, 38668),

Gene: Blondies_57 Start: 39234, Stop: 38962, Start Num: 1

Candidate Starts for Blondies_57:

(Start: 1 @39234 has 43 MA's), (14, 39042), (16, 39015), (19, 38985),

Gene: Bubble_52 Start: 38693, Stop: 38424, Start Num: 1

Candidate Starts for Bubble_52:

(Start: 1 @38693 has 43 MA's), (6, 38576), (7, 38561), (10, 38537), (16, 38477), (18, 38468), (19, 38447),

Gene: Burnsey_54 Start: 39099, Stop: 38830, Start Num: 1

Candidate Starts for Burnsey_54:

(Start: 1 @39099 has 43 MA's), (7, 38967), (10, 38943), (16, 38883), (18, 38874), (19, 38853),

Gene: Buttrmlkdreams_56 Start: 39364, Stop: 39092, Start Num: 1

Candidate Starts for Buttrmlkdreams_56:

(Start: 1 @39364 has 43 MA's), (14, 39172), (16, 39145), (19, 39115),

Gene: CanesSauce_53 Start: 38676, Stop: 38482, Start Num: 1

Candidate Starts for CanesSauce_53:

(Start: 1 @38676 has 43 MA's), (2, 38646), (10, 38595), (13, 38565), (19, 38505),

Gene: CaramellLatte_53 Start: 38676, Stop: 38482, Start Num: 1
Candidate Starts for CaramellLatte_53:
(Start: 1 @38676 has 43 MA's), (2, 38646), (10, 38595), (13, 38565), (19, 38505),

Gene: Carsonalex_57 Start: 39487, Stop: 39218, Start Num: 1
Candidate Starts for Carsonalex_57:
(Start: 1 @39487 has 43 MA's), (6, 39370), (7, 39355), (10, 39331), (16, 39271), (18, 39262), (19, 39241),

Gene: CherryonLim_59 Start: 42360, Stop: 42154, Start Num: 1
Candidate Starts for CherryonLim_59:
(Start: 1 @42360 has 43 MA's), (8, 42267), (10, 42261), (16, 42204), (17, 42201),

Gene: ChocoMunchkin_53 Start: 38676, Stop: 38482, Start Num: 1
Candidate Starts for ChocoMunchkin_53:
(Start: 1 @38676 has 43 MA's), (2, 38646), (10, 38595), (13, 38565), (19, 38505),

Gene: CocoaPuff_58 Start: 40886, Stop: 40686, Start Num: 1
Candidate Starts for CocoaPuff_58:
(Start: 1 @40886 has 43 MA's), (8, 40796), (15, 40742), (16, 40733), (18, 40724), (19, 40703),

Gene: Cozz_52 Start: 38696, Stop: 38427, Start Num: 1
Candidate Starts for Cozz_52:
(Start: 1 @38696 has 43 MA's), (7, 38564), (10, 38540), (16, 38480), (18, 38471), (19, 38450),

Gene: ElJefes_60 Start: 41416, Stop: 41216, Start Num: 1
Candidate Starts for ElJefes_60:
(Start: 1 @41416 has 43 MA's), (8, 41323), (12, 41308), (16, 41266), (17, 41263),

Gene: Elinal_63 Start: 41689, Stop: 41462, Start Num: 1
Candidate Starts for Elinal_63:
(Start: 1 @41689 has 43 MA's), (8, 41572), (10, 41566), (15, 41518), (16, 41509), (18, 41500), (19, 41479),

Gene: Elliott_54 Start: 38992, Stop: 38723, Start Num: 1
Candidate Starts for Elliott_54:
(Start: 1 @38992 has 43 MA's), (7, 38860), (10, 38836), (16, 38776), (18, 38767), (19, 38746),

Gene: Emalyn_53 Start: 38042, Stop: 37824, Start Num: 1
Candidate Starts for Emalyn_53:
(Start: 1 @38042 has 43 MA's), (4, 37961), (9, 37940), (10, 37937), (19, 37847),

Gene: Feastonyeet_58 Start: 40881, Stop: 40681, Start Num: 1
Candidate Starts for Feastonyeet_58:
(Start: 1 @40881 has 43 MA's), (8, 40791), (15, 40737), (16, 40728), (18, 40719), (19, 40698),

Gene: GoldHunter_55 Start: 39109, Stop: 38840, Start Num: 1
Candidate Starts for GoldHunter_55:
(Start: 1 @39109 has 43 MA's), (6, 38992), (7, 38977), (10, 38953), (16, 38893), (18, 38884), (19, 38863),

Gene: Horseradish_56 Start: 38850, Stop: 38578, Start Num: 1
Candidate Starts for Horseradish_56:

(Start: 1 @38850 has 43 MA's), (14, 38658), (16, 38631), (19, 38601),

Gene: KayGee_61 Start: 41689, Stop: 41462, Start Num: 1

Candidate Starts for KayGee_61:

(Start: 1 @41689 has 43 MA's), (8, 41572), (10, 41566), (15, 41518), (16, 41509), (18, 41500), (19, 41479),

Gene: Lauer_53 Start: 41866, Stop: 41672, Start Num: 1

Candidate Starts for Lauer_53:

(Start: 1 @41866 has 43 MA's), (8, 41773), (10, 41767), (12, 41752), (16, 41710), (17, 41707),

Gene: MAnor_60 Start: 41820, Stop: 41593, Start Num: 1

Candidate Starts for MAnor_60:

(Start: 1 @41820 has 43 MA's), (3, 41754), (5, 41712), (8, 41703), (11, 41691), (15, 41649), (16, 41640), (18, 41631), (19, 41610),

Gene: MScarn_58 Start: 39032, Stop: 38760, Start Num: 1

Candidate Starts for MScarn_58:

(Start: 1 @39032 has 43 MA's), (14, 38840), (16, 38813), (19, 38783),

Gene: Mayweather_62 Start: 42083, Stop: 41889, Start Num: 1

Candidate Starts for Mayweather_62:

(Start: 1 @42083 has 43 MA's), (8, 41990), (10, 41984), (16, 41927), (17, 41924),

Gene: McDazzle_60 Start: 41410, Stop: 41210, Start Num: 1

Candidate Starts for McDazzle_60:

(Start: 1 @41410 has 43 MA's), (8, 41317), (12, 41302), (16, 41260), (17, 41257),

Gene: MunkgeeRoachy_52 Start: 38455, Stop: 38186, Start Num: 1

Candidate Starts for MunkgeeRoachy_52:

(Start: 1 @38455 has 43 MA's), (7, 38323), (10, 38299), (16, 38239), (18, 38230), (19, 38209),

Gene: Nina_54 Start: 39595, Stop: 39326, Start Num: 1

Candidate Starts for Nina_54:

(Start: 1 @39595 has 43 MA's), (7, 39463), (10, 39439), (16, 39379), (18, 39370), (19, 39349),

Gene: Pons_60 Start: 41425, Stop: 41198, Start Num: 1

Candidate Starts for Pons_60:

(Start: 1 @41425 has 43 MA's), (3, 41359), (5, 41317), (8, 41308), (11, 41296), (15, 41254), (16, 41245), (18, 41236), (19, 41215),

Gene: PotPie_58 Start: 41916, Stop: 41716, Start Num: 1

Candidate Starts for PotPie_58:

(Start: 1 @41916 has 43 MA's), (8, 41826), (15, 41772), (16, 41763), (18, 41754), (19, 41733),

Gene: PsychoKiller_53 Start: 38993, Stop: 38724, Start Num: 1

Candidate Starts for PsychoKiller_53:

(Start: 1 @38993 has 43 MA's), (7, 38861), (10, 38837), (16, 38777), (18, 38768), (19, 38747),

Gene: Quasar_54 Start: 39697, Stop: 39428, Start Num: 1

Candidate Starts for Quasar_54:

(Start: 1 @39697 has 43 MA's), (6, 39580), (7, 39565), (10, 39541), (16, 39481), (18, 39472), (19, 39451),

Gene: RADical_55 Start: 38987, Stop: 38718, Start Num: 1
Candidate Starts for RADical_55:
(Start: 1 @38987 has 43 MA's), (6, 38870), (7, 38855), (10, 38831), (16, 38771), (18, 38762), (19, 38741),

Gene: RSchmailzl_55 Start: 39152, Stop: 38874, Start Num: 1
Candidate Starts for RSchmailzl_55:
(Start: 1 @39152 has 43 MA's), (7, 39011), (10, 38987), (16, 38927), (18, 38918), (19, 38897),

Gene: RedBaron_60 Start: 40070, Stop: 39801, Start Num: 1
Candidate Starts for RedBaron_60:
(Start: 1 @40070 has 43 MA's), (7, 39938), (10, 39914), (16, 39854), (18, 39845), (19, 39824),

Gene: SheckWes_62 Start: 40956, Stop: 40756, Start Num: 1
Candidate Starts for SheckWes_62:
(Start: 1 @40956 has 43 MA's), (8, 40863), (12, 40848), (16, 40806), (17, 40803),

Gene: SketchMex_54 Start: 38917, Stop: 38645, Start Num: 1
Candidate Starts for SketchMex_54:
(Start: 1 @38917 has 43 MA's), (14, 38725), (16, 38698), (19, 38668),

Gene: Socotra_55 Start: 39105, Stop: 38836, Start Num: 1
Candidate Starts for Socotra_55:
(Start: 1 @39105 has 43 MA's), (7, 38973), (10, 38949), (16, 38889), (18, 38880), (19, 38859),

Gene: Sopespian_51 Start: 38994, Stop: 38725, Start Num: 1
Candidate Starts for Sopespian_51:
(Start: 1 @38994 has 43 MA's), (7, 38862), (10, 38838), (16, 38778), (18, 38769), (19, 38748),

Gene: Starburst_54 Start: 38989, Stop: 38720, Start Num: 1
Candidate Starts for Starburst_54:
(Start: 1 @38989 has 43 MA's), (7, 38857), (10, 38833), (16, 38773), (18, 38764), (19, 38743),

Gene: SteamedHams_55 Start: 38492, Stop: 38289, Start Num: 1
Candidate Starts for SteamedHams_55:
(Start: 1 @38492 has 43 MA's), (2, 38453), (10, 38402), (13, 38372), (19, 38312),

Gene: SummitAcademy_58 Start: 41059, Stop: 40859, Start Num: 1
Candidate Starts for SummitAcademy_58:
(Start: 1 @41059 has 43 MA's), (8, 40969), (15, 40915), (16, 40906), (18, 40897), (19, 40876),

Gene: SweatNTears_56 Start: 39236, Stop: 38967, Start Num: 1
Candidate Starts for SweatNTears_56:
(Start: 1 @39236 has 43 MA's), (7, 39104), (10, 39080), (16, 39020), (18, 39011), (19, 38990),

Gene: Tarnish_58 Start: 41240, Stop: 41043, Start Num: 1
Candidate Starts for Tarnish_58:
(Start: 1 @41240 has 43 MA's), (8, 41150), (15, 41096), (16, 41087), (18, 41078), (19, 41057),

Gene: Tolls_55 Start: 38763, Stop: 38560, Start Num: 1
Candidate Starts for Tolls_55:
(Start: 1 @38763 has 43 MA's), (2, 38724), (10, 38673), (13, 38643), (19, 38583),

Gene: Troje_56 Start: 39255, Stop: 38983, Start Num: 1
Candidate Starts for Troje_56:
(Start: 1 @39255 has 43 MA's), (14, 39063), (16, 39036), (19, 39006),

Gene: Typhonomachy_53 Start: 38818, Stop: 38549, Start Num: 1
Candidate Starts for Typhonomachy_53:
(Start: 1 @38818 has 43 MA's), (7, 38686), (10, 38662), (16, 38602), (18, 38593), (19, 38572),

Gene: Vine_61 Start: 41682, Stop: 41482, Start Num: 1
Candidate Starts for Vine_61:
(Start: 1 @41682 has 43 MA's), (8, 41592), (15, 41538), (16, 41529), (18, 41520), (19, 41499),

Gene: Yarn_51 Start: 38520, Stop: 38317, Start Num: 1
Candidate Starts for Yarn_51:
(Start: 1 @38520 has 43 MA's), (2, 38481), (10, 38430), (13, 38400), (19, 38340),

Gene: Yucky_61 Start: 41474, Stop: 41274, Start Num: 1
Candidate Starts for Yucky_61:
(Start: 1 @41474 has 43 MA's), (8, 41384), (15, 41330), (16, 41321), (18, 41312), (19, 41291),

Gene: Yummy_56 Start: 38964, Stop: 38692, Start Num: 1
Candidate Starts for Yummy_56:
(Start: 1 @38964 has 43 MA's), (14, 38772), (16, 38745), (19, 38715),