

Pham 274387



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 274387 Report

This analysis was run 02/07/26 on database version 634.

Pham number 274387 has 33 members, 15 are drafts.

Phages represented in each track:

- Track 1 : Starburst_52, Quasar_52, Agatha_52, Sopespian_49, Cozz_50, Socotra_53, RSchmailzl_53, Carsonalex_55, PsychoKiller_51, SweatNTears_54, Elliott_52, Axym_51, Typhonomachy_51, RADical_53, GoldHunter_53, Burnsey_52, Bubble_50
- Track 2 : AikoCarson_53
- Track 3 : Emalyn_51, Amok_53
- Track 4 : Nina_51
- Track 5 : SteamedHams_53, Tolls_53
- Track 6 : AndPeggy_49, CanesSauce_51, CaramelLatte_51, BillDoor_52, Yarn_49, ChocoMunchkin_51
- Track 7 : GTE2_43
- Track 8 : MunkgeeRoachy_50
- Track 9 : ChickenTender_55
- Track 10 : RedBaron_54

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agatha_52, AikoCarson_53, Amok_53, AndPeggy_49, Axym_51, BillDoor_52, Bubble_50, Burnsey_52, CanesSauce_51, CaramelLatte_51, Carsonalex_55, ChickenTender_55, ChocoMunchkin_51, Cozz_50, Elliott_52, Emalyn_51, GTE2_43, GoldHunter_53, MunkgeeRoachy_50, Nina_51, PsychoKiller_51, Quasar_52, RADical_53, RSchmailzl_53, RedBaron_54, Socotra_53, Sopespian_49, Starburst_52, SteamedHams_53, SweatNTears_54, Tolls_53, Typhonomachy_51, Yarn_49,

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 33 of 33 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agatha_52 (CT), AikoCarson_53 (CT), Amok_53 (CT), AndPeggy_49 (CT), Axym_51 (CT), BillDoor_52 (CT), Bubble_50 (CT), Burnsey_52 (CT), CanesSauce_51 (CT), CaramelLatte_51 (CT), Carsonalex_55 (CT), ChickenTender_55 (CT), ChocoMunchkin_51 (CT), Cozz_50 (CT), Elliott_52 (CT), Emalyn_51 (CT), GTE2_43 (CT), GoldHunter_53 (CT), MunkgeeRoachy_50 (CT), Nina_51 (CT), PsychoKiller_51 (CT), Quasar_52 (CT), RADical_53 (CT), RSchmailzl_53 (CT), RedBaron_54 (CT), Socotra_53 (CT), Sopespian_49 (CT), Starburst_52 (CT), SteamedHams_53 (CT), SweatNTears_54 (CT), Tolls_53 (CT), Typhonomachy_51 (CT), Yarn_49 (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 18 times for cluster CT.

Gene Information:

Gene: Agatha_52 Start: 37367, Stop: 37041, Start Num: 1

Candidate Starts for Agatha_52:

(Start: 1 @37367 has 18 MA's), (2, 37343), (4, 37316), (6, 37277), (9, 37226), (11, 37190), (12, 37154), (13, 37124), (15, 37088),

Gene: AikoCarson_53 Start: 37632, Stop: 37321, Start Num: 1

Candidate Starts for AikoCarson_53:

(Start: 1 @37632 has 18 MA's), (8, 37512), (10, 37485),

Gene: Amok_53 Start: 37560, Stop: 37246, Start Num: 1

Candidate Starts for Amok_53:

(Start: 1 @37560 has 18 MA's), (3, 37524),

Gene: AndPeggy_49 Start: 36840, Stop: 36526, Start Num: 1

Candidate Starts for AndPeggy_49:

(Start: 1 @36840 has 18 MA's), (5, 36780), (8, 36717), (13, 36609),

Gene: Axym_51 Start: 37264, Stop: 36938, Start Num: 1

Candidate Starts for Axym_51:

(Start: 1 @37264 has 18 MA's), (2, 37240), (4, 37213), (6, 37174), (9, 37123), (11, 37087), (12, 37051), (13, 37021), (15, 36985),

Gene: BillDoor_52 Start: 36516, Stop: 36196, Start Num: 1

Candidate Starts for BillDoor_52:

(Start: 1 @36516 has 18 MA's), (5, 36456), (8, 36387), (13, 36279),

Gene: Bubble_50 Start: 36952, Stop: 36626, Start Num: 1

Candidate Starts for Bubble_50:

(Start: 1 @36952 has 18 MA's), (2, 36928), (4, 36901), (6, 36862), (9, 36811), (11, 36775), (12, 36739), (13, 36709), (15, 36673),

Gene: Burnsey_52 Start: 37358, Stop: 37032, Start Num: 1

Candidate Starts for Burnsey_52:

(Start: 1 @37358 has 18 MA's), (2, 37334), (4, 37307), (6, 37268), (9, 37217), (11, 37181), (12, 37145), (13, 37115), (15, 37079),

Gene: CanesSauce_51 Start: 37010, Stop: 36696, Start Num: 1

Candidate Starts for CanesSauce_51:

(Start: 1 @37010 has 18 MA's), (5, 36950), (8, 36887), (13, 36779),

Gene: CaramellLatte_51 Start: 37010, Stop: 36696, Start Num: 1

Candidate Starts for CaramellLatte_51:

(Start: 1 @37010 has 18 MA's), (5, 36950), (8, 36887), (13, 36779),

Gene: Carsonalex_55 Start: 37324, Stop: 36998, Start Num: 1

Candidate Starts for Carsonalex_55:

(Start: 1 @37324 has 18 MA's), (2, 37300), (4, 37273), (6, 37234), (9, 37183), (11, 37147), (12, 37111), (13, 37081), (15, 37045),

Gene: ChickenTender_55 Start: 37045, Stop: 36722, Start Num: 1

Candidate Starts for ChickenTender_55:

(Start: 1 @37045 has 18 MA's), (9, 36904), (13, 36805),

Gene: ChocoMunchkin_51 Start: 37010, Stop: 36696, Start Num: 1

Candidate Starts for ChocoMunchkin_51:

(Start: 1 @37010 has 18 MA's), (5, 36950), (8, 36887), (13, 36779),

Gene: Cozz_50 Start: 36955, Stop: 36629, Start Num: 1

Candidate Starts for Cozz_50:

(Start: 1 @36955 has 18 MA's), (2, 36931), (4, 36904), (6, 36865), (9, 36814), (11, 36778), (12, 36742), (13, 36712), (15, 36676),

Gene: Elliott_52 Start: 37251, Stop: 36925, Start Num: 1

Candidate Starts for Elliott_52:

(Start: 1 @37251 has 18 MA's), (2, 37227), (4, 37200), (6, 37161), (9, 37110), (11, 37074), (12, 37038), (13, 37008), (15, 36972),

Gene: Emalyn_51 Start: 36352, Stop: 36038, Start Num: 1

Candidate Starts for Emalyn_51:

(Start: 1 @36352 has 18 MA's), (3, 36316),

Gene: GTE2_43 Start: 36955, Stop: 36635, Start Num: 1

Candidate Starts for GTE2_43:

(Start: 1 @36955 has 18 MA's), (13, 36718),

Gene: GoldHunter_53 Start: 37368, Stop: 37042, Start Num: 1

Candidate Starts for GoldHunter_53:

(Start: 1 @37368 has 18 MA's), (2, 37344), (4, 37317), (6, 37278), (9, 37227), (11, 37191), (12, 37155), (13, 37125), (15, 37089),

Gene: MunkgeeRoachy_50 Start: 36714, Stop: 36388, Start Num: 1

Candidate Starts for MunkgeeRoachy_50:

(Start: 1 @36714 has 18 MA's), (2, 36690), (4, 36663), (6, 36624), (7, 36588), (9, 36573), (11, 36537), (13, 36471), (14, 36453), (15, 36435),

Gene: Nina_51 Start: 37528, Stop: 37208, Start Num: 1

Candidate Starts for Nina_51:

(Start: 1 @37528 has 18 MA's), (2, 37504), (4, 37483), (6, 37444), (9, 37393), (11, 37357), (12, 37321), (13, 37291), (14, 37273), (15, 37255),

Gene: PsychoKiller_51 Start: 37252, Stop: 36926, Start Num: 1

Candidate Starts for PsychoKiller_51:

(Start: 1 @37252 has 18 MA's), (2, 37228), (4, 37201), (6, 37162), (9, 37111), (11, 37075), (12, 37039), (13, 37009), (15, 36973),

Gene: Quasar_52 Start: 37956, Stop: 37633, Start Num: 1

Candidate Starts for Quasar_52:

(Start: 1 @37956 has 18 MA's), (2, 37932), (4, 37905), (6, 37866), (9, 37818), (11, 37782), (12, 37746), (13, 37716), (15, 37680),

Gene: RADical_53 Start: 37246, Stop: 36920, Start Num: 1

Candidate Starts for RADical_53:

(Start: 1 @37246 has 18 MA's), (2, 37222), (4, 37195), (6, 37156), (9, 37105), (11, 37069), (12, 37033), (13, 37003), (15, 36967),

Gene: RSchmailzl_53 Start: 37402, Stop: 37076, Start Num: 1

Candidate Starts for RSchmailzl_53:

(Start: 1 @37402 has 18 MA's), (2, 37378), (4, 37351), (6, 37312), (9, 37261), (11, 37225), (12, 37189), (13, 37159), (15, 37123),

Gene: RedBaron_54 Start: 37581, Stop: 37255, Start Num: 1

Candidate Starts for RedBaron_54:

(Start: 1 @37581 has 18 MA's), (2, 37557), (4, 37530), (6, 37491), (9, 37440), (11, 37404), (12, 37368), (13, 37338), (15, 37302),

Gene: Socotra_53 Start: 37364, Stop: 37038, Start Num: 1

Candidate Starts for Socotra_53:

(Start: 1 @37364 has 18 MA's), (2, 37340), (4, 37313), (6, 37274), (9, 37223), (11, 37187), (12, 37151), (13, 37121), (15, 37085),

Gene: Sopespian_49 Start: 37253, Stop: 36927, Start Num: 1

Candidate Starts for Sopespian_49:

(Start: 1 @37253 has 18 MA's), (2, 37229), (4, 37202), (6, 37163), (9, 37112), (11, 37076), (12, 37040), (13, 37010), (15, 36974),

Gene: Starburst_52 Start: 37248, Stop: 36922, Start Num: 1

Candidate Starts for Starburst_52:

(Start: 1 @37248 has 18 MA's), (2, 37224), (4, 37197), (6, 37158), (9, 37107), (11, 37071), (12, 37035), (13, 37005), (15, 36969),

Gene: SteamedHams_53 Start: 36817, Stop: 36497, Start Num: 1

Candidate Starts for SteamedHams_53:

(Start: 1 @36817 has 18 MA's), (5, 36757), (13, 36580),

Gene: SweatNTears_54 Start: 37495, Stop: 37169, Start Num: 1

Candidate Starts for SweatNTears_54:

(Start: 1 @37495 has 18 MA's), (2, 37471), (4, 37444), (6, 37405), (9, 37354), (11, 37318), (12, 37282), (13, 37252), (15, 37216),

Gene: Tolls_53 Start: 37088, Stop: 36768, Start Num: 1

Candidate Starts for Tolls_53:

(Start: 1 @37088 has 18 MA's), (5, 37028), (13, 36851),

Gene: Typhonomachy_51 Start: 37077, Stop: 36751, Start Num: 1

Candidate Starts for Typhonomachy_51:

(Start: 1 @37077 has 18 MA's), (2, 37053), (4, 37026), (6, 36987), (9, 36936), (11, 36900), (12, 36864), (13, 36834), (15, 36798),

Gene: Yarn_49 Start: 36845, Stop: 36531, Start Num: 1

Candidate Starts for Yarn_49:

(Start: 1 @36845 has 18 MA's), (5, 36785), (8, 36722), (13, 36614),