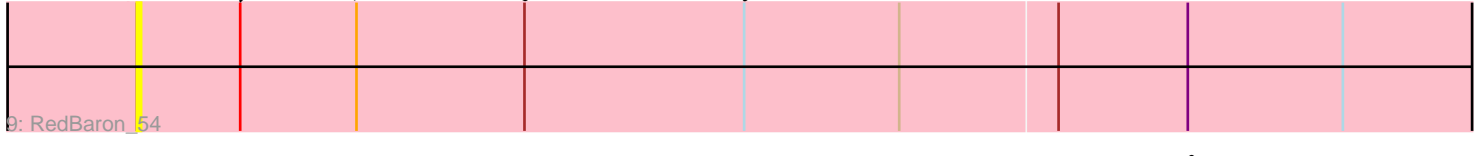
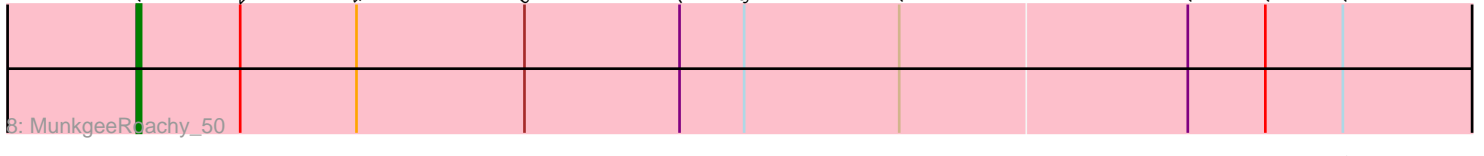
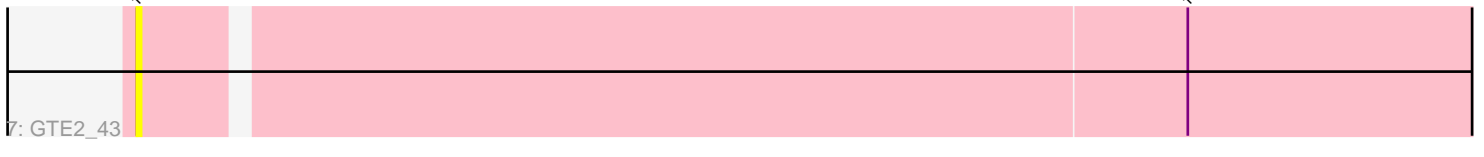
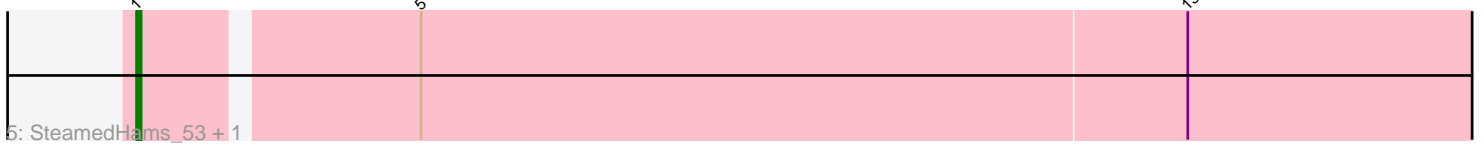
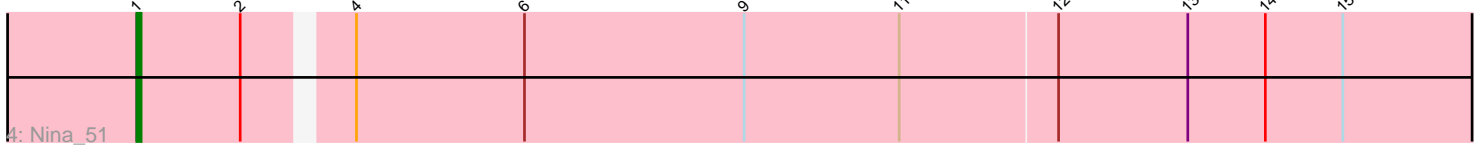
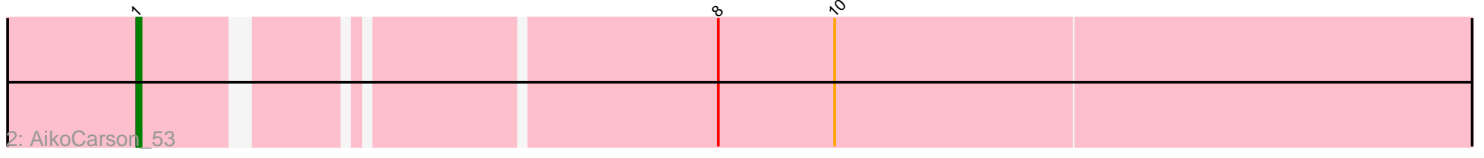
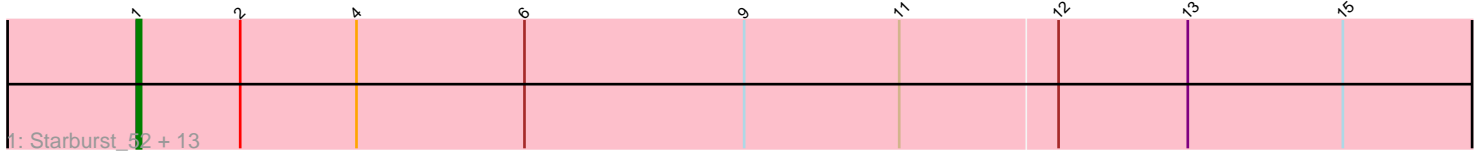


Pham 220005



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 220005 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220005 has 29 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Starburst_52, Quasar_52, Agatha_52, Sopespian_49, Cozz_50, Socotra_53, Carsonalex_55, PsychoKiller_51, SweatNTears_54, Axym_51, GoldHunter_53, Burnsey_52, Typhonomachy_52, Elliott_52
- 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, BillDoor_52, Yarn_49, ChocoMunchkin_51
- Track 7 : GTE2_43
- Track 8 : MunkgeeRoachy_50
- Track 9 : RedBaron_54
- Track 10 : ChickenTender_55

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 16 of the 16 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, Burnsey_52, CanesSauce_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, RedBaron_54, Socotra_53, Sopespian_49, Starburst_52, SteamedHams_53, SweatNTears_54, Tolls_53, Typhonomachy_52, 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 29 of 29 (100.0%) of genes in pham
- Manual Annotations of this start: 16 of 16
- 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), Burnsey_52 (CT), CanesSauce_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), RedBaron_54 (CT), Socotra_53 (CT), Sopespian_49 (CT), Starburst_52 (CT), SteamedHams_53 (CT), SweatNTears_54 (CT), Tolls_53 (CT), Typhonomachy_52 (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 16 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 16 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 16 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 16 MA's), (3, 37524),

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

Candidate Starts for AndPeggy_49:

(Start: 1 @36840 has 16 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 16 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 16 MA's), (5, 36456), (8, 36387), (13, 36279),

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

Candidate Starts for Burnsey_52:

(Start: 1 @37358 has 16 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 16 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 16 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 16 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 16 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 16 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 16 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 16 MA's), (3, 36316),

Gene: GTE2_43 Start: 36955, Stop: 36635, Start Num: 1
Candidate Starts for GTE2_43:
(Start: 1 @36955 has 16 MA's), (13, 36718),

Gene: GoldHunter_53 Start: 37368, Stop: 37042, Start Num: 1
Candidate Starts for GoldHunter_53:
(Start: 1 @37368 has 16 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 16 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 16 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 16 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 16 MA's), (2, 37932), (4, 37905), (6, 37866), (9, 37818), (11, 37782), (12, 37746),
(13, 37716), (15, 37680),

Gene: RedBaron_54 Start: 37581, Stop: 37255, Start Num: 1
Candidate Starts for RedBaron_54:
(Start: 1 @37581 has 16 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 16 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 16 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 16 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 16 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 16 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 16 MA's), (5, 37028), (13, 36851),

Gene: Typhonomachy_52 Start: 37077, Stop: 36751, Start Num: 1
Candidate Starts for Typhonomachy_52:
(Start: 1 @37077 has 16 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 16 MA's), (5, 36785), (8, 36722), (13, 36614),