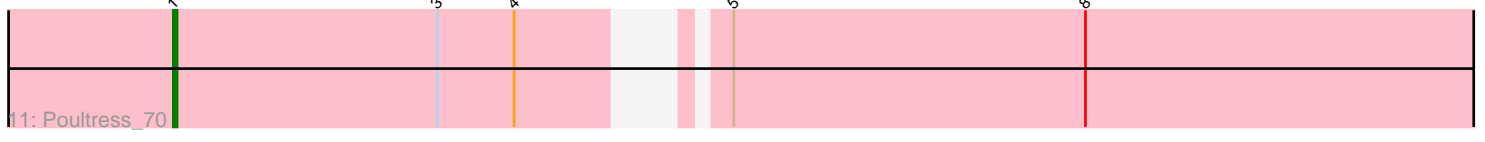
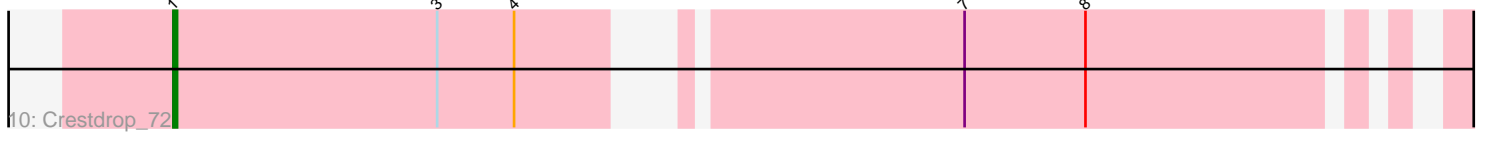
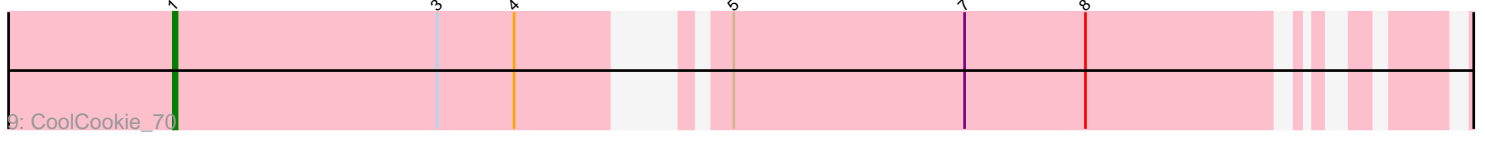
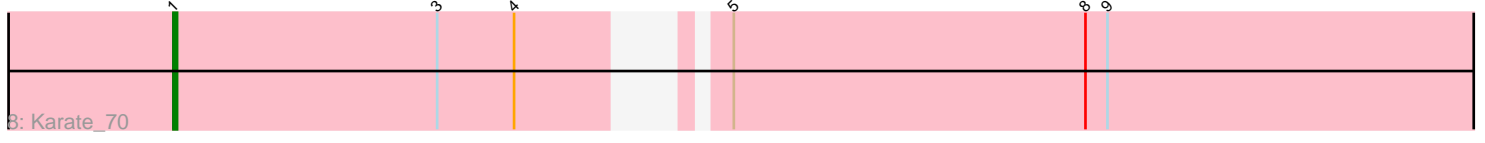
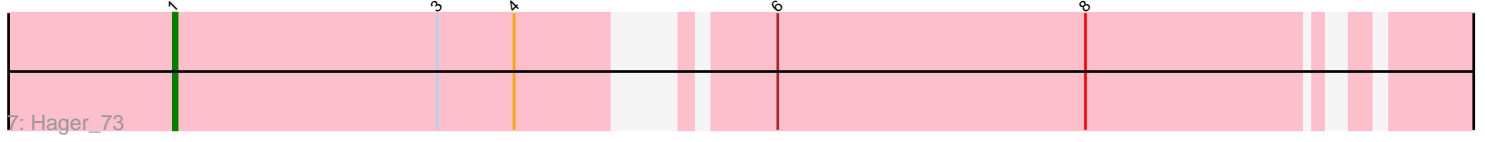
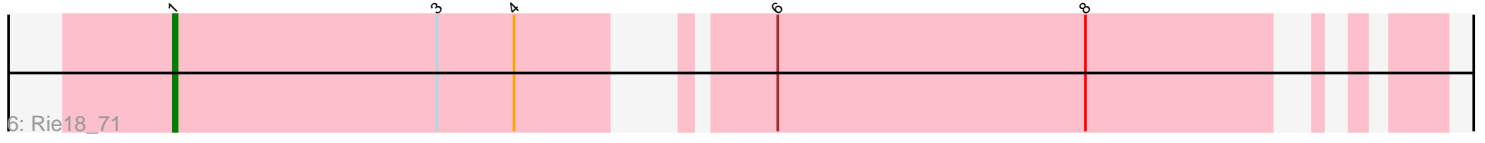
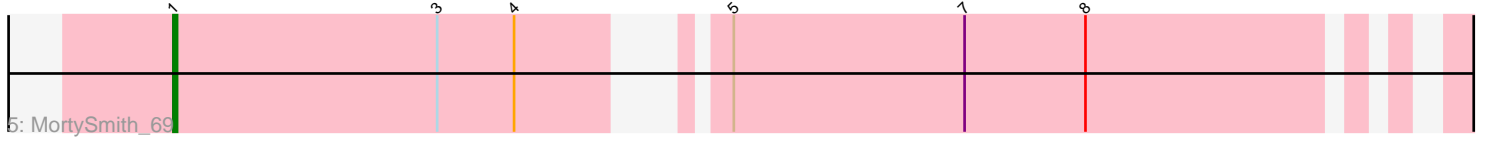
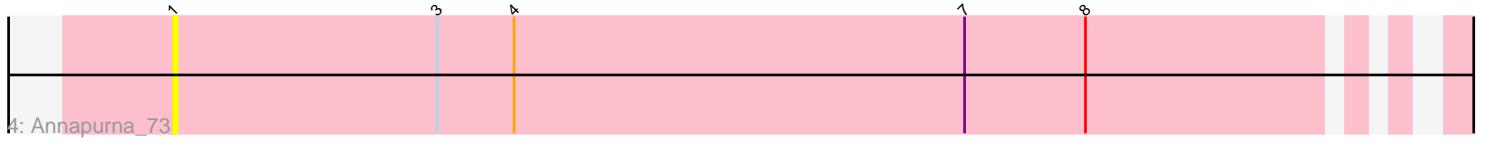
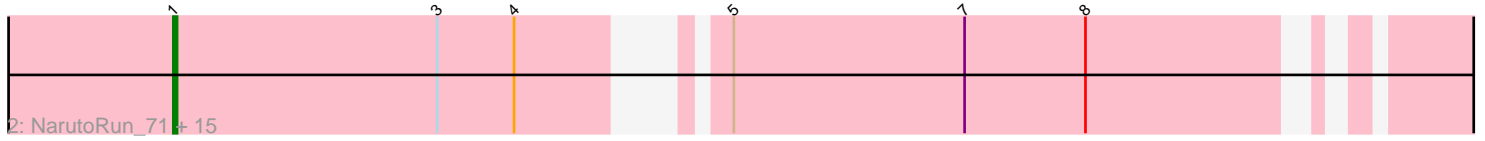
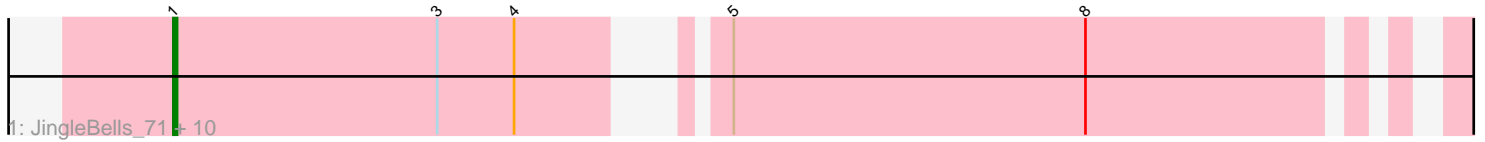


Zoomed Pham 224747



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 224747 Report

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

Pham number 224747 has 36 members, 5 are drafts.

Phages represented in each track:

- Track 1 : JingleBells_71, Snakehole_72, Erudite_70, Hiddenleaf_72, FreddieHg_72, Aesir_70, SilentWarrior_72, Chivey_72, DannyDe_72, Dauntless_70, JDawG_70
- Track 2 : NarutoRun_71, Krampus_71, Tedro_71, PhunaPhoke_71, OverHedge_70, Kate_71, AnnaSerena_71, Gilda_71, Artiphact_70, Cybele_71, Pharpay_70, Potty_70, Anakin_71, Neptune_71, Rachella_71, Haunter_72
- Track 3 : Tongui_73
- Track 4 : Annapurna_73
- Track 5 : MortySmith_69
- Track 6 : Rie18_71
- Track 7 : Hager_73
- Track 8 : Karate_70
- Track 9 : CoolCookie_70
- Track 10 : Crestdrop_72
- Track 11 : Poultruss_70

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 31 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aesir_70, Anakin_71, AnnaSerena_71, Annapurna_73, Artiphact_70, Chivey_72, CoolCookie_70, Crestdrop_72, Cybele_71, DannyDe_72, Dauntless_70, Erudite_70, FreddieHg_72, Gilda_71, Hager_73, Haunter_72, Hiddenleaf_72, JDawG_70, JingleBells_71, Karate_70, Kate_71, Krampus_71, MortySmith_69, NarutoRun_71, Neptune_71, OverHedge_70, Pharpay_70, PhunaPhoke_71, Potty_70, Poultruss_70, Rachella_71, Rie18_71, SilentWarrior_72, Snakehole_72, Tedro_71, Tongui_73,

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 36 of 36 (100.0%) of genes in pham
- Manual Annotations of this start: 31 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aesir_70 (EF), Anakin_71 (EF), AnnaSerena_71 (EF), Annapurna_73 (EF), Artiphact_70 (EF), Chivey_72 (EF), CoolCookie_70 (EF), Crestdrop_72 (EF), Cybele_71 (EF), DannyDe_72 (EF), Dauntless_70 (EF), Erudite_70 (EF), FreddieHg_72 (EF), Gilda_71 (EF), Hager_73 (EF), Haunter_72 (EF), Hiddenleaf_72 (EF), JDawG_70 (EF), JingleBells_71 (EF), Karate_70 (EF), Kate_71 (EF), Krampus_71 (EF), MortySmith_69 (EF), NarutoRun_71 (EF), Neptune_71 (EF), OverHedge_70 (EF), Pharpay_70 (EF), PhunaPhoke_71 (EF), Potty_70 (EF), Poultruss_70 (EF), Rachella_71 (EF), Rie18_71 (EF), SilentWarrior_72 (EF), Snakehole_72 (EF), Tedro_71 (EF), Tongui_73 (EF),

Summary by clusters:

There is one cluster represented in this pham: EF

Info for manual annotations of cluster EF:

- Start number 1 was manually annotated 31 times for cluster EF.

Gene Information:

Gene: Aesir_70 Start: 50572, Stop: 51261, Start Num: 1

Candidate Starts for Aesir_70:

(Start: 1 @50572 has 31 MA's), (3, 50644), (4, 50665), (5, 50701), (8, 50797), (10, 50926), (14, 51040), (17, 51166), (18, 51193), (22, 51250),

Gene: Anakin_71 Start: 50862, Stop: 51575, Start Num: 1

Candidate Starts for Anakin_71:

(Start: 1 @50862 has 31 MA's), (3, 50934), (4, 50955), (5, 50991), (7, 51054), (8, 51087), (10, 51216), (14, 51339), (18, 51507), (19, 51510), (22, 51564),

Gene: AnnaSerena_71 Start: 50896, Stop: 51609, Start Num: 1

Candidate Starts for AnnaSerena_71:

(Start: 1 @50896 has 31 MA's), (3, 50968), (4, 50989), (5, 51025), (7, 51088), (8, 51121), (10, 51250), (14, 51373), (18, 51541), (19, 51544), (22, 51598),

Gene: Annapurna_73 Start: 50421, Stop: 51164, Start Num: 1

Candidate Starts for Annapurna_73:

(Start: 1 @50421 has 31 MA's), (3, 50493), (4, 50514), (7, 50637), (8, 50670), (10, 50799), (14, 50919), (17, 51069), (18, 51096), (22, 51153),

Gene: Artiphact_70 Start: 50886, Stop: 51599, Start Num: 1

Candidate Starts for Artiphact_70:

(Start: 1 @50886 has 31 MA's), (3, 50958), (4, 50979), (5, 51015), (7, 51078), (8, 51111), (10, 51240), (14, 51363), (18, 51531), (19, 51534), (22, 51588),

Gene: Chivey_72 Start: 50374, Stop: 51063, Start Num: 1

Candidate Starts for Chivey_72:

(Start: 1 @50374 has 31 MA's), (3, 50446), (4, 50467), (5, 50503), (8, 50599), (10, 50728), (14, 50842), (17, 50968), (18, 50995), (22, 51052),

Gene: CoolCookie_70 Start: 50956, Stop: 51660, Start Num: 1

Candidate Starts for CoolCookie_70:

(Start: 1 @50956 has 31 MA's), (3, 51028), (4, 51049), (5, 51085), (7, 51148), (8, 51181), (10, 51304), (12, 51364), (14, 51424), (18, 51592), (19, 51595), (22, 51649),

Gene: Crestdrop_72 Start: 50765, Stop: 51487, Start Num: 1

Candidate Starts for Crestdrop_72:

(Start: 1 @50765 has 31 MA's), (3, 50837), (4, 50858), (7, 50957), (8, 50990), (10, 51119), (11, 51161), (14, 51242), (17, 51392), (18, 51419), (22, 51476),

Gene: Cybele_71 Start: 50892, Stop: 51605, Start Num: 1

Candidate Starts for Cybele_71:

(Start: 1 @50892 has 31 MA's), (3, 50964), (4, 50985), (5, 51021), (7, 51084), (8, 51117), (10, 51246), (14, 51369), (18, 51537), (19, 51540), (22, 51594),

Gene: DannyDe_72 Start: 50376, Stop: 51065, Start Num: 1

Candidate Starts for DannyDe_72:

(Start: 1 @50376 has 31 MA's), (3, 50448), (4, 50469), (5, 50505), (8, 50601), (10, 50730), (14, 50844), (17, 50970), (18, 50997), (22, 51054),

Gene: Dauntless_70 Start: 50507, Stop: 51196, Start Num: 1

Candidate Starts for Dauntless_70:

(Start: 1 @50507 has 31 MA's), (3, 50579), (4, 50600), (5, 50636), (8, 50732), (10, 50861), (14, 50975), (17, 51101), (18, 51128), (22, 51185),

Gene: Erudite_70 Start: 50507, Stop: 51196, Start Num: 1

Candidate Starts for Erudite_70:

(Start: 1 @50507 has 31 MA's), (3, 50579), (4, 50600), (5, 50636), (8, 50732), (10, 50861), (14, 50975), (17, 51101), (18, 51128), (22, 51185),

Gene: FreddieHg_72 Start: 50391, Stop: 51080, Start Num: 1

Candidate Starts for FreddieHg_72:

(Start: 1 @50391 has 31 MA's), (3, 50463), (4, 50484), (5, 50520), (8, 50616), (10, 50745), (14, 50859), (17, 50985), (18, 51012), (22, 51069),

Gene: Gilda_71 Start: 50884, Stop: 51597, Start Num: 1

Candidate Starts for Gilda_71:

(Start: 1 @50884 has 31 MA's), (3, 50956), (4, 50977), (5, 51013), (7, 51076), (8, 51109), (10, 51238), (14, 51361), (18, 51529), (19, 51532), (22, 51586),

Gene: Hager_73 Start: 50344, Stop: 51060, Start Num: 1

Candidate Starts for Hager_73:

(Start: 1 @50344 has 31 MA's), (3, 50416), (4, 50437), (6, 50485), (8, 50569), (10, 50704), (14, 50824), (18, 50992), (19, 50995), (21, 51019), (22, 51049),

Gene: Haunter_72 Start: 50257, Stop: 50970, Start Num: 1

Candidate Starts for Haunter_72:

(Start: 1 @50257 has 31 MA's), (3, 50329), (4, 50350), (5, 50386), (7, 50449), (8, 50482), (10, 50611), (14, 50734), (18, 50902), (19, 50905), (22, 50959),

Gene: Hiddenleaf_72 Start: 50374, Stop: 51063, Start Num: 1

Candidate Starts for Hiddenleaf_72:

(Start: 1 @50374 has 31 MA's), (3, 50446), (4, 50467), (5, 50503), (8, 50599), (10, 50728), (14, 50842), (17, 50968), (18, 50995), (22, 51052),

Gene: JDawG_70 Start: 50567, Stop: 51256, Start Num: 1

Candidate Starts for JDawG_70:

(Start: 1 @50567 has 31 MA's), (3, 50639), (4, 50660), (5, 50696), (8, 50792), (10, 50921), (14, 51035), (17, 51161), (18, 51188), (22, 51245),

Gene: JingleBells_71 Start: 50479, Stop: 51168, Start Num: 1

Candidate Starts for JingleBells_71:

(Start: 1 @50479 has 31 MA's), (3, 50551), (4, 50572), (5, 50608), (8, 50704), (10, 50833), (14, 50947), (17, 51073), (18, 51100), (22, 51157),

Gene: Karate_70 Start: 50566, Stop: 51309, Start Num: 1

Candidate Starts for Karate_70:

(Start: 1 @50566 has 31 MA's), (3, 50638), (4, 50659), (5, 50695), (8, 50791), (9, 50797), (10, 50941), (14, 51067), (15, 51130), (17, 51214), (20, 51265), (22, 51298),

Gene: Kate_71 Start: 50801, Stop: 51514, Start Num: 1

Candidate Starts for Kate_71:

(Start: 1 @50801 has 31 MA's), (3, 50873), (4, 50894), (5, 50930), (7, 50993), (8, 51026), (10, 51155), (14, 51278), (18, 51446), (19, 51449), (22, 51503),

Gene: Krampus_71 Start: 50897, Stop: 51610, Start Num: 1

Candidate Starts for Krampus_71:

(Start: 1 @50897 has 31 MA's), (3, 50969), (4, 50990), (5, 51026), (7, 51089), (8, 51122), (10, 51251), (14, 51374), (18, 51542), (19, 51545), (22, 51599),

Gene: MortySmith_69 Start: 49981, Stop: 50670, Start Num: 1

Candidate Starts for MortySmith_69:

(Start: 1 @49981 has 31 MA's), (3, 50053), (4, 50074), (5, 50110), (7, 50173), (8, 50206), (10, 50335), (14, 50449), (17, 50575), (18, 50602), (22, 50659),

Gene: NarutoRun_71 Start: 50862, Stop: 51575, Start Num: 1

Candidate Starts for NarutoRun_71:

(Start: 1 @50862 has 31 MA's), (3, 50934), (4, 50955), (5, 50991), (7, 51054), (8, 51087), (10, 51216), (14, 51339), (18, 51507), (19, 51510), (22, 51564),

Gene: Neptune_71 Start: 50892, Stop: 51605, Start Num: 1

Candidate Starts for Neptune_71:

(Start: 1 @50892 has 31 MA's), (3, 50964), (4, 50985), (5, 51021), (7, 51084), (8, 51117), (10, 51246), (14, 51369), (18, 51537), (19, 51540), (22, 51594),

Gene: OverHedge_70 Start: 50758, Stop: 51471, Start Num: 1

Candidate Starts for OverHedge_70:

(Start: 1 @50758 has 31 MA's), (3, 50830), (4, 50851), (5, 50887), (7, 50950), (8, 50983), (10, 51112), (14, 51235), (18, 51403), (19, 51406), (22, 51460),

Gene: Pharpay_70 Start: 50907, Stop: 51620, Start Num: 1
Candidate Starts for Pharpay_70:
(Start: 1 @50907 has 31 MA's), (3, 50979), (4, 51000), (5, 51036), (7, 51099), (8, 51132), (10, 51261),
(14, 51384), (18, 51552), (19, 51555), (22, 51609),

Gene: PhunaPhoke_71 Start: 50877, Stop: 51590, Start Num: 1
Candidate Starts for PhunaPhoke_71:
(Start: 1 @50877 has 31 MA's), (3, 50949), (4, 50970), (5, 51006), (7, 51069), (8, 51102), (10, 51231),
(14, 51354), (18, 51522), (19, 51525), (22, 51579),

Gene: Potty_70 Start: 50807, Stop: 51520, Start Num: 1
Candidate Starts for Potty_70:
(Start: 1 @50807 has 31 MA's), (3, 50879), (4, 50900), (5, 50936), (7, 50999), (8, 51032), (10, 51161),
(14, 51284), (18, 51452), (19, 51455), (22, 51509),

Gene: Poultress_70 Start: 51122, Stop: 51865, Start Num: 1
Candidate Starts for Poultress_70:
(Start: 1 @51122 has 31 MA's), (3, 51194), (4, 51215), (5, 51251), (8, 51347), (10, 51497), (13, 51572),
(17, 51770), (20, 51821), (22, 51854),

Gene: Rachella_71 Start: 50888, Stop: 51601, Start Num: 1
Candidate Starts for Rachella_71:
(Start: 1 @50888 has 31 MA's), (3, 50960), (4, 50981), (5, 51017), (7, 51080), (8, 51113), (10, 51242),
(14, 51365), (18, 51533), (19, 51536), (22, 51590),

Gene: Rie18_71 Start: 50702, Stop: 51388, Start Num: 1
Candidate Starts for Rie18_71:
(Start: 1 @50702 has 31 MA's), (3, 50774), (4, 50795), (6, 50843), (8, 50927), (10, 51032), (14, 51152),
(18, 51320), (19, 51323), (21, 51347), (22, 51377),

Gene: SilentWarrior_72 Start: 50340, Stop: 51029, Start Num: 1
Candidate Starts for SilentWarrior_72:
(Start: 1 @50340 has 31 MA's), (3, 50412), (4, 50433), (5, 50469), (8, 50565), (10, 50694), (14, 50808),
(17, 50934), (18, 50961), (22, 51018),

Gene: Snakehole_72 Start: 50323, Stop: 51012, Start Num: 1
Candidate Starts for Snakehole_72:
(Start: 1 @50323 has 31 MA's), (3, 50395), (4, 50416), (5, 50452), (8, 50548), (10, 50677), (14, 50791),
(17, 50917), (18, 50944), (22, 51001),

Gene: Tedro_71 Start: 50344, Stop: 51057, Start Num: 1
Candidate Starts for Tedro_71:
(Start: 1 @50344 has 31 MA's), (3, 50416), (4, 50437), (5, 50473), (7, 50536), (8, 50569), (10, 50698),
(14, 50821), (18, 50989), (19, 50992), (22, 51046),

Gene: Tongui_73 Start: 50769, Stop: 51500, Start Num: 1
Candidate Starts for Tongui_73:
(Start: 1 @50769 has 31 MA's), (2, 50778), (3, 50841), (4, 50862), (7, 50961), (8, 50994), (10, 51132),
(14, 51255), (16, 51369), (17, 51405), (22, 51489),