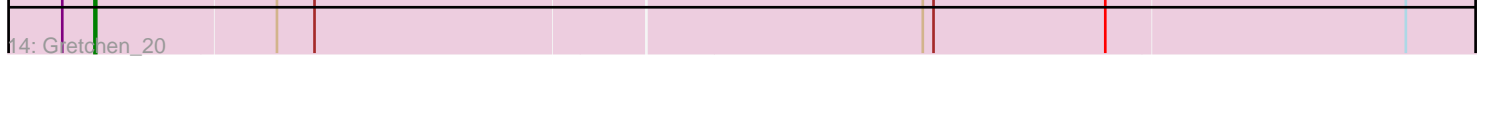
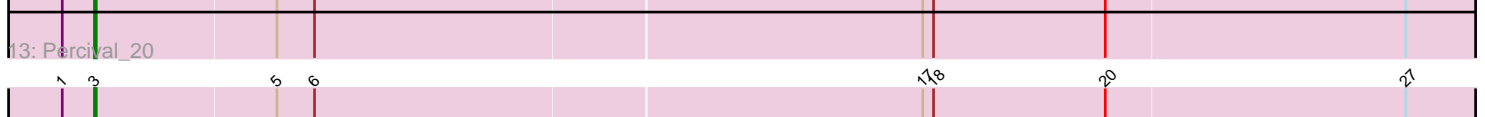
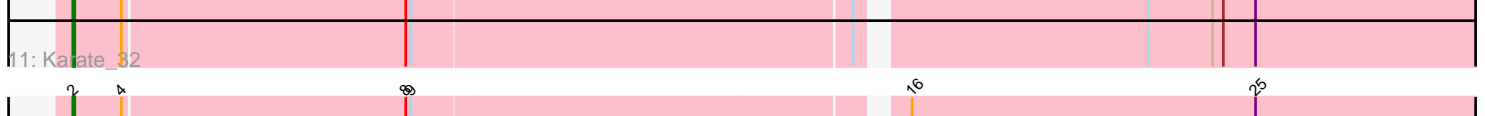
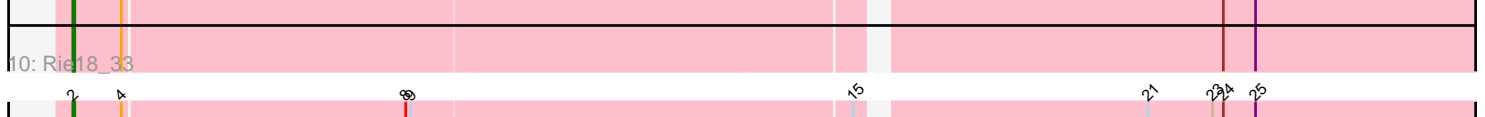
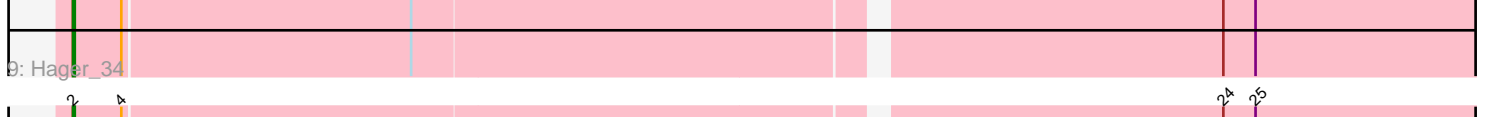
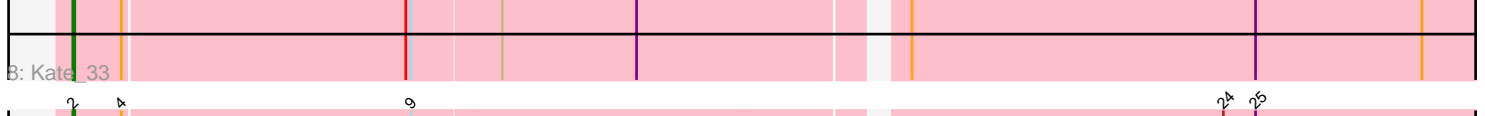
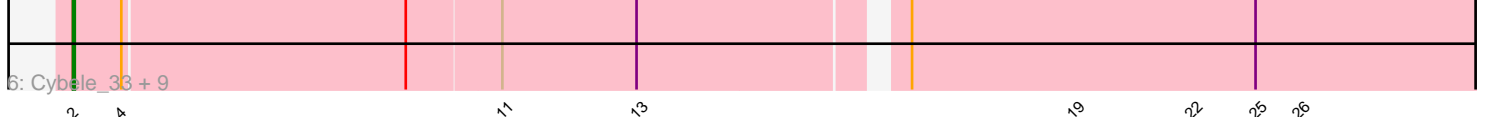
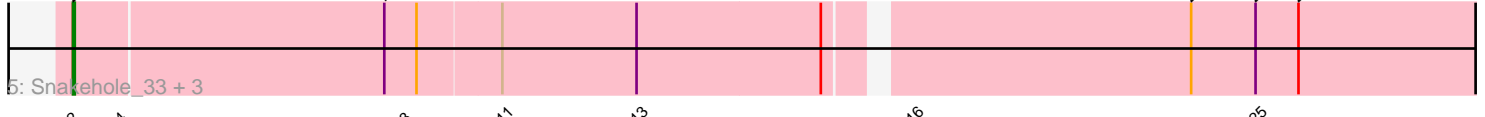
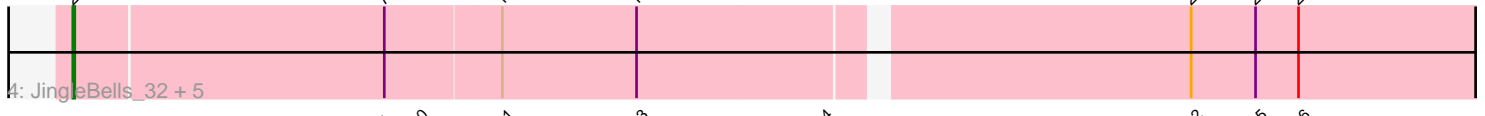
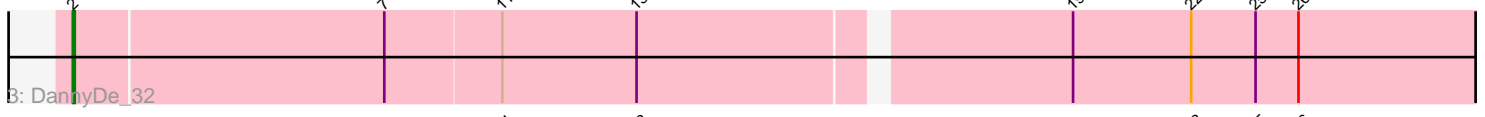
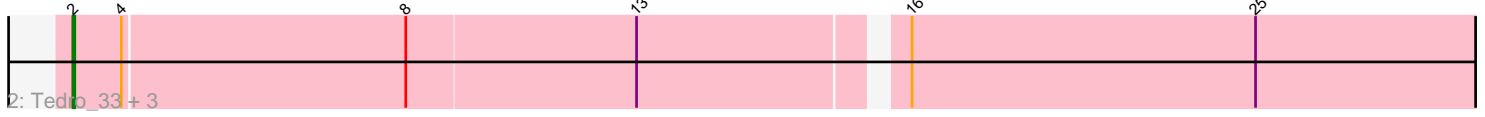
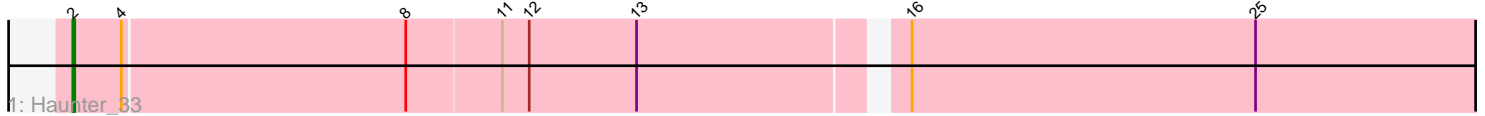


Pham 194211



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 194211 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194211 has 34 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Haunter_33
- Track 2 : Tedro_33, NarutoRun_33, Gilda_33, Anakin_33
- Track 3 : DannyDe_32
- Track 4 : JingleBells_32, Erudite_32, JDawG_32, MortySmith_31, Aesir_32, Dauntless_32
- Track 5 : Snakehole_33, Hiddenleaf_32, FreddieHg_32, Chivey_32
- Track 6 : Cybele_33, AnnaSerena_33, CoolCookie_33, Krampus_33, Neptune_33, PhunaPhoke_33, OverHedge_33, Potty_33, Rachella_33, Pharpay_33
- Track 7 : Crestdrop_32
- Track 8 : Kate_33
- Track 9 : Hager_34
- Track 10 : Rie18_33
- Track 11 : Karate_32
- Track 12 : Poultruss_32
- Track 13 : Percival_20
- Track 14 : Gretchen_20

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

The start number called the most often in the published annotations is 2, it was called in 31 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aesir_32, Anakin_33, AnnaSerena_33, Chivey_32, CoolCookie_33, Crestdrop_32, Cybele_33, DannyDe_32, Dauntless_32, Erudite_32, FreddieHg_32, Gilda_33, Hager_34, Haunter_33, Hiddenleaf_32, JDawG_32, JingleBells_32, Karate_32, Kate_33, Krampus_33, MortySmith_31, NarutoRun_33, Neptune_33, OverHedge_33, Pharpay_33, PhunaPhoke_33, Potty_33, Poultruss_32, Rachella_33, Rie18_33, Snakehole_33, Tedro_33,

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

-

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

- Gretchen_20, Percival_20,

Summary by start number:

Start 2:

- Found in 32 of 34 (94.1%) of genes in pham
- Manual Annotations of this start: 31 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aesir_32 (EF), Anakin_33 (EF), AnnaSerena_33 (EF), Chivey_32 (EF), CoolCookie_33 (EF), Crestdrop_32 (EF), Cybele_33 (EF), DannyDe_32 (EF), Dauntless_32 (EF), Erudite_32 (EF), FreddieHg_32 (EF), Gilda_33 (EF), Hager_34 (EF), Haunter_33 (EF), Hiddenleaf_32 (EF), JDawG_32 (EF), JingleBells_32 (EF), Karate_32 (EF), Kate_33 (EF), Krampus_33 (EF), MortySmith_31 (EF), NarutoRun_33 (EF), Neptune_33 (EF), OverHedge_33 (EF), Pharpay_33 (EF), PhunaPhoke_33 (EF), Potty_33 (EF), Poultruss_32 (EF), Rachella_33 (EF), Rie18_33 (EF), Snakehole_33 (EF), Tedro_33 (EF),

Start 3:

- Found in 2 of 34 (5.9%) of genes in pham
- Manual Annotations of this start: 2 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gretchen_20 (EH), Percival_20 (EH),

Summary by clusters:

There are 2 clusters represented in this pham: EF, EH,

Info for manual annotations of cluster EF:

- Start number 2 was manually annotated 31 times for cluster EF.

Info for manual annotations of cluster EH:

- Start number 3 was manually annotated 2 times for cluster EH.

Gene Information:

Gene: Aesir_32 Start: 21196, Stop: 22008, Start Num: 2

Candidate Starts for Aesir_32:

(Start: 2 @21196 has 31 MA's), (7, 21367), (11, 21430), (13, 21505), (22, 21796), (25, 21832), (26, 21856),

Gene: Anakin_33 Start: 21454, Stop: 22266, Start Num: 2

Candidate Starts for Anakin_33:

(Start: 2 @21454 has 31 MA's), (4, 21481), (8, 21637), (13, 21763), (16, 21898), (25, 22090),

Gene: AnnaSerena_33 Start: 21465, Stop: 22277, Start Num: 2

Candidate Starts for AnnaSerena_33:

(Start: 2 @21465 has 31 MA's), (4, 21492), (8, 21648), (11, 21699), (13, 21774), (16, 21909), (25, 22101),

Gene: Chivey_32 Start: 20607, Stop: 21419, Start Num: 2

Candidate Starts for Chivey_32:

(Start: 2 @20607 has 31 MA's), (7, 20778), (10, 20796), (11, 20841), (13, 20916), (14, 21018), (22, 21207), (25, 21243), (26, 21267),

Gene: CoolCookie_33 Start: 21461, Stop: 22273, Start Num: 2

Candidate Starts for CoolCookie_33:

(Start: 2 @21461 has 31 MA's), (4, 21488), (8, 21644), (11, 21695), (13, 21770), (16, 21905), (25, 22097),

Gene: Crestdrop_32 Start: 20521, Stop: 21333, Start Num: 2

Candidate Starts for Crestdrop_32:

(Start: 2 @20521 has 31 MA's), (4, 20548), (11, 20755), (13, 20830), (19, 21055), (22, 21121), (25, 21157), (26, 21181),

Gene: Cybele_33 Start: 21431, Stop: 22243, Start Num: 2

Candidate Starts for Cybele_33:

(Start: 2 @21431 has 31 MA's), (4, 21458), (8, 21614), (11, 21665), (13, 21740), (16, 21875), (25, 22067),

Gene: DannyDe_32 Start: 20604, Stop: 21416, Start Num: 2

Candidate Starts for DannyDe_32:

(Start: 2 @20604 has 31 MA's), (7, 20775), (11, 20838), (13, 20913), (19, 21138), (22, 21204), (25, 21240), (26, 21264),

Gene: Dauntless_32 Start: 21164, Stop: 21976, Start Num: 2

Candidate Starts for Dauntless_32:

(Start: 2 @21164 has 31 MA's), (7, 21335), (11, 21398), (13, 21473), (22, 21764), (25, 21800), (26, 21824),

Gene: Erudite_32 Start: 21164, Stop: 21976, Start Num: 2

Candidate Starts for Erudite_32:

(Start: 2 @21164 has 31 MA's), (7, 21335), (11, 21398), (13, 21473), (22, 21764), (25, 21800), (26, 21824),

Gene: FreddieHg_32 Start: 20623, Stop: 21435, Start Num: 2

Candidate Starts for FreddieHg_32:

(Start: 2 @20623 has 31 MA's), (7, 20794), (10, 20812), (11, 20857), (13, 20932), (14, 21034), (22, 21223), (25, 21259), (26, 21283),

Gene: Gilda_33 Start: 21455, Stop: 22267, Start Num: 2

Candidate Starts for Gilda_33:

(Start: 2 @21455 has 31 MA's), (4, 21482), (8, 21638), (13, 21764), (16, 21899), (25, 22091),

Gene: Gretchen_20 Start: 18050, Stop: 18859, Start Num: 3

Candidate Starts for Gretchen_20:

(1, 18032), (Start: 3 @18050 has 2 MA's), (5, 18149), (6, 18170), (17, 18503), (18, 18509), (20, 18605), (27, 18770),

Gene: Hager_34 Start: 21017, Stop: 21829, Start Num: 2

Candidate Starts for Hager_34:

(Start: 2 @21017 has 31 MA's), (4, 21044), (9, 21203), (24, 21635), (25, 21653),

Gene: Haunter_33 Start: 20868, Stop: 21680, Start Num: 2

Candidate Starts for Haunter_33:

(Start: 2 @20868 has 31 MA's), (4, 20895), (8, 21051), (11, 21102), (12, 21117), (13, 21177), (16, 21312), (25, 21504),

Gene: Hiddenleaf_32 Start: 20607, Stop: 21419, Start Num: 2

Candidate Starts for Hiddenleaf_32:

(Start: 2 @20607 has 31 MA's), (7, 20778), (10, 20796), (11, 20841), (13, 20916), (14, 21018), (22, 21207), (25, 21243), (26, 21267),

Gene: JDawG_32 Start: 21191, Stop: 22003, Start Num: 2

Candidate Starts for JDawG_32:

(Start: 2 @21191 has 31 MA's), (7, 21362), (11, 21425), (13, 21500), (22, 21791), (25, 21827), (26, 21851),

Gene: JingleBells_32 Start: 20728, Stop: 21540, Start Num: 2

Candidate Starts for JingleBells_32:

(Start: 2 @20728 has 31 MA's), (7, 20899), (11, 20962), (13, 21037), (22, 21328), (25, 21364), (26, 21388),

Gene: Karate_32 Start: 21484, Stop: 22296, Start Num: 2

Candidate Starts for Karate_32:

(Start: 2 @21484 has 31 MA's), (4, 21511), (8, 21667), (9, 21670), (15, 21910), (21, 22060), (23, 22096), (24, 22102), (25, 22120),

Gene: Kate_33 Start: 21463, Stop: 22275, Start Num: 2

Candidate Starts for Kate_33:

(Start: 2 @21463 has 31 MA's), (4, 21490), (8, 21646), (9, 21649), (11, 21697), (13, 21772), (16, 21907), (25, 22099), (28, 22192),

Gene: Krampus_33 Start: 21463, Stop: 22275, Start Num: 2

Candidate Starts for Krampus_33:

(Start: 2 @21463 has 31 MA's), (4, 21490), (8, 21646), (11, 21697), (13, 21772), (16, 21907), (25, 22099),

Gene: MortySmith_31 Start: 20579, Stop: 21391, Start Num: 2

Candidate Starts for MortySmith_31:

(Start: 2 @20579 has 31 MA's), (7, 20750), (11, 20813), (13, 20888), (22, 21179), (25, 21215), (26, 21239),

Gene: NarutoRun_33 Start: 21454, Stop: 22266, Start Num: 2

Candidate Starts for NarutoRun_33:

(Start: 2 @21454 has 31 MA's), (4, 21481), (8, 21637), (13, 21763), (16, 21898), (25, 22090),

Gene: Neptune_33 Start: 21431, Stop: 22243, Start Num: 2

Candidate Starts for Neptune_33:

(Start: 2 @21431 has 31 MA's), (4, 21458), (8, 21614), (11, 21665), (13, 21740), (16, 21875), (25, 22067),

Gene: OverHedge_33 Start: 21421, Stop: 22233, Start Num: 2

Candidate Starts for OverHedge_33:

(Start: 2 @21421 has 31 MA's), (4, 21448), (8, 21604), (11, 21655), (13, 21730), (16, 21865), (25, 22057),

Gene: Percival_20 Start: 17884, Stop: 18693, Start Num: 3

Candidate Starts for Percival_20:

(1, 17866), (Start: 3 @17884 has 2 MA's), (5, 17983), (6, 18004), (17, 18337), (18, 18343), (20, 18439), (27, 18604),

Gene: Pharpay_33 Start: 21476, Stop: 22288, Start Num: 2

Candidate Starts for Pharpay_33:

(Start: 2 @21476 has 31 MA's), (4, 21503), (8, 21659), (11, 21710), (13, 21785), (16, 21920), (25, 22112),

Gene: PhunaPhoke_33 Start: 21449, Stop: 22261, Start Num: 2

Candidate Starts for PhunaPhoke_33:

(Start: 2 @21449 has 31 MA's), (4, 21476), (8, 21632), (11, 21683), (13, 21758), (16, 21893), (25, 22085),

Gene: Potty_33 Start: 21454, Stop: 22266, Start Num: 2

Candidate Starts for Potty_33:

(Start: 2 @21454 has 31 MA's), (4, 21481), (8, 21637), (11, 21688), (13, 21763), (16, 21898), (25, 22090),

Gene: Poultruss_32 Start: 21823, Stop: 22635, Start Num: 2

Candidate Starts for Poultruss_32:

(Start: 2 @21823 has 31 MA's), (4, 21850), (8, 22006), (9, 22009), (16, 22267), (25, 22459),

Gene: Rachella_33 Start: 21457, Stop: 22269, Start Num: 2

Candidate Starts for Rachella_33:

(Start: 2 @21457 has 31 MA's), (4, 21484), (8, 21640), (11, 21691), (13, 21766), (16, 21901), (25, 22093),

Gene: Rie18_33 Start: 20970, Stop: 21782, Start Num: 2

Candidate Starts for Rie18_33:

(Start: 2 @20970 has 31 MA's), (4, 20997), (24, 21588), (25, 21606),

Gene: Snakehole_33 Start: 20704, Stop: 21516, Start Num: 2

Candidate Starts for Snakehole_33:

(Start: 2 @20704 has 31 MA's), (7, 20875), (10, 20893), (11, 20938), (13, 21013), (14, 21115), (22, 21304), (25, 21340), (26, 21364),

Gene: Tedro_33 Start: 20927, Stop: 21739, Start Num: 2

Candidate Starts for Tedro_33:

(Start: 2 @20927 has 31 MA's), (4, 20954), (8, 21110), (13, 21236), (16, 21371), (25, 21563),