Pham 3699

1: NarutoRun_59 + 11

2: Erudite_58 + 1

3: Neptune_59

4: Tedro_59 + 2

5: DannyDe_60 + 7

6: Crestdrop_61

7: Karate_58
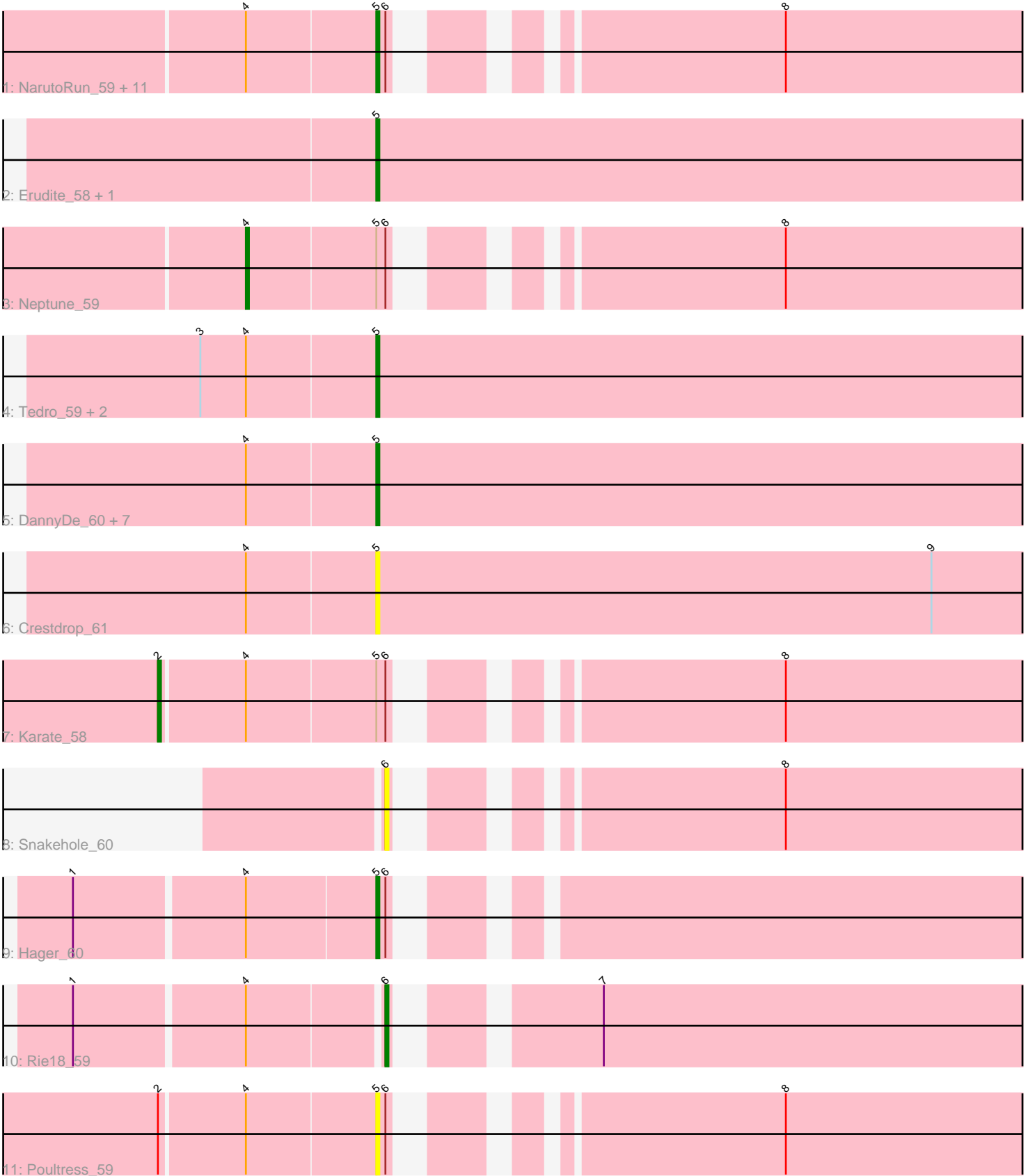
8: Snakehole_60

9: Hager_60

10: Rie18_59

11: Poultress_59

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 3699 Report

This analysis was run 04/05/24 on database version 557.

Pham number 3699 has 32 members, 8 are drafts.

Phages represented in each track:
• Track 1 : NarutoRun_59, PhunaPhoke_59, Cybele_59, Kate_59, OverHedge_59, Gilda_59, AnnaSerena_59, Pharpay_58, Potty_58, Anakin_59, Krampus_59, Rachella_59
• Track 2 : Erudite_58, Dauntless_59
• Track 3 : Neptune_59
• Track 4 : Tedro_59, CoolCookie_64, Haunter_59
• Track 5 : DannyDe_60, JingleBells_60, Chivey_60, MortySmith_57, JDawG_58, Aesir_58, Hiddenleaf_60, FreddieHg_60
• Track 6 : Crestdrop_61
• Track 7 : Karate_58
• Track 8 : Snakehole_60
• Track 9 : Hager_60
• Track 10 : Rie18_59
• Track 11 : Poultress_59

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

The start number called the most often in the published annotations is 5, it was called in 21 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aesir_58, Anakin_59, AnnaSerena_59, Chivey_60, CoolCookie_64, Crestdrop_61, Cybele_59, DannyDe_60, Dauntless_59, Erudite_58, FreddieHg_60, Gilda_59, Hager_60, Haunter_59, Hiddenleaf_60, JDawG_58, JingleBells_60, Kate_59, Krampus_59, MortySmith_57, NarutoRun_59, OverHedge_59, Pharpay_58, PhunaPhoke_59, Potty_58, Poultress_59, Rachella_59, Tedro_59,

Genes that have the "Most Annotated" start but do not call it:
• Karate_58, Neptune_59,

Genes that do not have the "Most Annotated" start:
• Rie18_59, Snakehole_60,

Summary by start number:

Start 2:
• Found in 2 of 32 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Karate_58 (EF),

Start 4:
• Found in 29 of 32 (90.6%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 3.4% of time when present
• Phage (with cluster) where this start called: Neptune_59 (EF),

Start 5:
• Found in 30 of 32 (93.8%) of genes in pham
• Manual Annotations of this start: 21 of 24
• Called 93.3% of time when present
• Phage (with cluster) where this start called: Aesir_58 (EF), Anakin_59 (EF), AnnaSerena_59 (EF), Chivey_60 (EF), CoolCookie_64 (EF), Crestdrop_61 (EF), Cybele_59 (EF), DannyDe_60 (EF), Dauntless_59 (EF), Erudite_58 (EF), FreddieHg_60 (EF), Gilda_59 (EF), Hager_60 (EF), Haunter_59 (EF), Hiddenleaf_60 (EF), JDawG_58 (EF), JingleBells_60 (EF), Kate_59 (EF), Krampus_59 (EF), MortySmith_57 (EF), NarutoRun_59 (EF), OverHedge_59 (EF), Pharpay_58 (EF), PhunaPhoke_59 (EF), Potty_58 (EF), Poultress_59 (EF), Rachella_59 (EF), Tedro_59 (EF),

Start 6:
• Found in 18 of 32 (56.2%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Rie18_59 (EF), Snakehole_60 (EF),

Summary by clusters:

There is one cluster represented in this pham: EF

Info for manual annotations of cluster EF:
•Start number 2 was manually annotated 1 time for cluster EF.
•Start number 4 was manually annotated 1 time for cluster EF.
•Start number 5 was manually annotated 21 times for cluster EF.
•Start number 6 was manually annotated 1 time for cluster EF.

Gene Information:
Gene: Aesir_58 Start: 45070, Stop: 45351, Start Num: 5
Candidate Starts for Aesir_58:
(Start: 4 @45028 has 1 MA's), (Start: 5 @45070 has 21 MA's),

Gene: Anakin_59 Start: 45407, Stop: 45655, Start Num: 5
Candidate Starts for Anakin_59:

(Start: 4 @45365 has 1 MA's), (Start: 5 @45407 has 21 MA's), (Start: 6 @45410 has 1 MA's), (8, 45512),

Gene: AnnaSerena_59 Start: 45441, Stop: 45689, Start Num: 5
Candidate Starts for AnnaSerena_59:
(Start: 4 @45399 has 1 MA's), (Start: 5 @45441 has 21 MA's), (Start: 6 @45444 has 1 MA's), (8, 45546),

Gene: Chivey_60 Start: 44873, Stop: 45154, Start Num: 5
Candidate Starts for Chivey_60:
(Start: 4 @44831 has 1 MA's), (Start: 5 @44873 has 21 MA's),

Gene: CoolCookie_64 Start: 45454, Stop: 45735, Start Num: 5
Candidate Starts for CoolCookie_64:
(3, 45397), (Start: 4 @45412 has 1 MA's), (Start: 5 @45454 has 21 MA's),

Gene: Crestdrop_61 Start: 45144, Stop: 45419, Start Num: 5
Candidate Starts for Crestdrop_61:
(Start: 4 @45102 has 1 MA's), (Start: 5 @45144 has 21 MA's), (9, 45327),

Gene: Cybele_59 Start: 45437, Stop: 45685, Start Num: 5
Candidate Starts for Cybele_59:
(Start: 4 @45395 has 1 MA's), (Start: 5 @45437 has 21 MA's), (Start: 6 @45440 has 1 MA's), (8, 45542),

Gene: DannyDe_60 Start: 44874, Stop: 45155, Start Num: 5
Candidate Starts for DannyDe_60:
(Start: 4 @44832 has 1 MA's), (Start: 5 @44874 has 21 MA's),

Gene: Dauntless_59 Start: 45005, Stop: 45286, Start Num: 5
Candidate Starts for Dauntless_59:
(Start: 5 @45005 has 21 MA's),

Gene: Erudite_58 Start: 45005, Stop: 45286, Start Num: 5
Candidate Starts for Erudite_58:
(Start: 5 @45005 has 21 MA's),

Gene: FreddieHg_60 Start: 44890, Stop: 45171, Start Num: 5
Candidate Starts for FreddieHg_60:
(Start: 4 @44848 has 1 MA's), (Start: 5 @44890 has 21 MA's),

Gene: Gilda_59 Start: 45429, Stop: 45677, Start Num: 5
Candidate Starts for Gilda_59:
(Start: 4 @45387 has 1 MA's), (Start: 5 @45429 has 21 MA's), (Start: 6 @45432 has 1 MA's), (8, 45534),

Gene: Hager_60 Start: 44817, Stop: 45068, Start Num: 5
Candidate Starts for Hager_60:
(1, 44721), (Start: 4 @44775 has 1 MA's), (Start: 5 @44817 has 21 MA's), (Start: 6 @44820 has 1 MA's),

Gene: Haunter_59 Start: 44643, Stop: 44924, Start Num: 5
Candidate Starts for Haunter_59:

(3, 44586), (Start: 4 @44601 has 1 MA's), (Start: 5 @44643 has 21 MA's),

Gene: Hiddenleaf_60 Start: 44873, Stop: 45154, Start Num: 5
Candidate Starts for Hiddenleaf_60:
(Start: 4 @44831 has 1 MA's), (Start: 5 @44873 has 21 MA's),

Gene: JDawG_58 Start: 45065, Stop: 45346, Start Num: 5
Candidate Starts for JDawG_58:
(Start: 4 @45023 has 1 MA's), (Start: 5 @45065 has 21 MA's),

Gene: JingleBells_60 Start: 44979, Stop: 45260, Start Num: 5
Candidate Starts for JingleBells_60:
(Start: 4 @44937 has 1 MA's), (Start: 5 @44979 has 21 MA's),

Gene: Karate_58 Start: 45176, Stop: 45493, Start Num: 2
Candidate Starts for Karate_58:
(Start: 2 @45176 has 1 MA's), (Start: 4 @45203 has 1 MA's), (Start: 5 @45245 has 21 MA's), (Start: 6 @45248 has 1 MA's), (8, 45350),

Gene: Kate_59 Start: 45346, Stop: 45594, Start Num: 5
Candidate Starts for Kate_59:
(Start: 4 @45304 has 1 MA's), (Start: 5 @45346 has 21 MA's), (Start: 6 @45349 has 1 MA's), (8, 45451),

Gene: Krampus_59 Start: 45442, Stop: 45690, Start Num: 5
Candidate Starts for Krampus_59:
(Start: 4 @45400 has 1 MA's), (Start: 5 @45442 has 21 MA's), (Start: 6 @45445 has 1 MA's), (8, 45547),

Gene: MortySmith_57 Start: 44479, Stop: 44760, Start Num: 5
Candidate Starts for MortySmith_57:
(Start: 4 @44437 has 1 MA's), (Start: 5 @44479 has 21 MA's),

Gene: NarutoRun_59 Start: 45407, Stop: 45655, Start Num: 5
Candidate Starts for NarutoRun_59:
(Start: 4 @45365 has 1 MA's), (Start: 5 @45407 has 21 MA's), (Start: 6 @45410 has 1 MA's), (8, 45512),

Gene: Neptune_59 Start: 45395, Stop: 45685, Start Num: 4
Candidate Starts for Neptune_59:
(Start: 4 @45395 has 1 MA's), (Start: 5 @45437 has 21 MA's), (Start: 6 @45440 has 1 MA's), (8, 45542),

Gene: OverHedge_59 Start: 45303, Stop: 45551, Start Num: 5
Candidate Starts for OverHedge_59:
(Start: 4 @45261 has 1 MA's), (Start: 5 @45303 has 21 MA's), (Start: 6 @45306 has 1 MA's), (8, 45408),

Gene: Pharpay_58 Start: 45452, Stop: 45700, Start Num: 5
Candidate Starts for Pharpay_58:
(Start: 4 @45410 has 1 MA's), (Start: 5 @45452 has 21 MA's), (Start: 6 @45455 has 1 MA's), (8, 45557),

Gene: PhunaPhoke_59 Start: 45422, Stop: 45670, Start Num: 5
Candidate Starts for PhunaPhoke_59:
(Start: 4 @45380 has 1 MA's), (Start: 5 @45422 has 21 MA's), (Start: 6 @45425 has 1 MA's), (8, 45527),

Gene: Potty_58 Start: 45352, Stop: 45600, Start Num: 5
Candidate Starts for Potty_58:
(Start: 4 @45310 has 1 MA's), (Start: 5 @45352 has 21 MA's), (Start: 6 @45355 has 1 MA's), (8, 45457),

Gene: Poultress_59 Start: 45649, Stop: 45897, Start Num: 5
Candidate Starts for Poultress_59:
(Start: 2 @45580 has 1 MA's), (Start: 4 @45607 has 1 MA's), (Start: 5 @45649 has 21 MA's), (Start: 6 @45652 has 1 MA's), (8, 45754),

Gene: Rachella_59 Start: 45433, Stop: 45681, Start Num: 5
Candidate Starts for Rachella_59:
(Start: 4 @45391 has 1 MA's), (Start: 5 @45433 has 21 MA's), (Start: 6 @45436 has 1 MA's), (8, 45538),

Gene: Rie18_59 Start: 45224, Stop: 45484, Start Num: 6
Candidate Starts for Rie18_59:
(1, 45128), (Start: 4 @45182 has 1 MA's), (Start: 6 @45224 has 1 MA's), (7, 45275),

Gene: Snakehole_60 Start: 44850, Stop: 45095, Start Num: 6
Candidate Starts for Snakehole_60:
(Start: 6 @44850 has 1 MA's), (8, 44952),

Gene: Tedro_59 Start: 44861, Stop: 45142, Start Num: 5
Candidate Starts for Tedro_59:
(3, 44804), (Start: 4 @44819 has 1 MA's), (Start: 5 @44861 has 21 MA's),