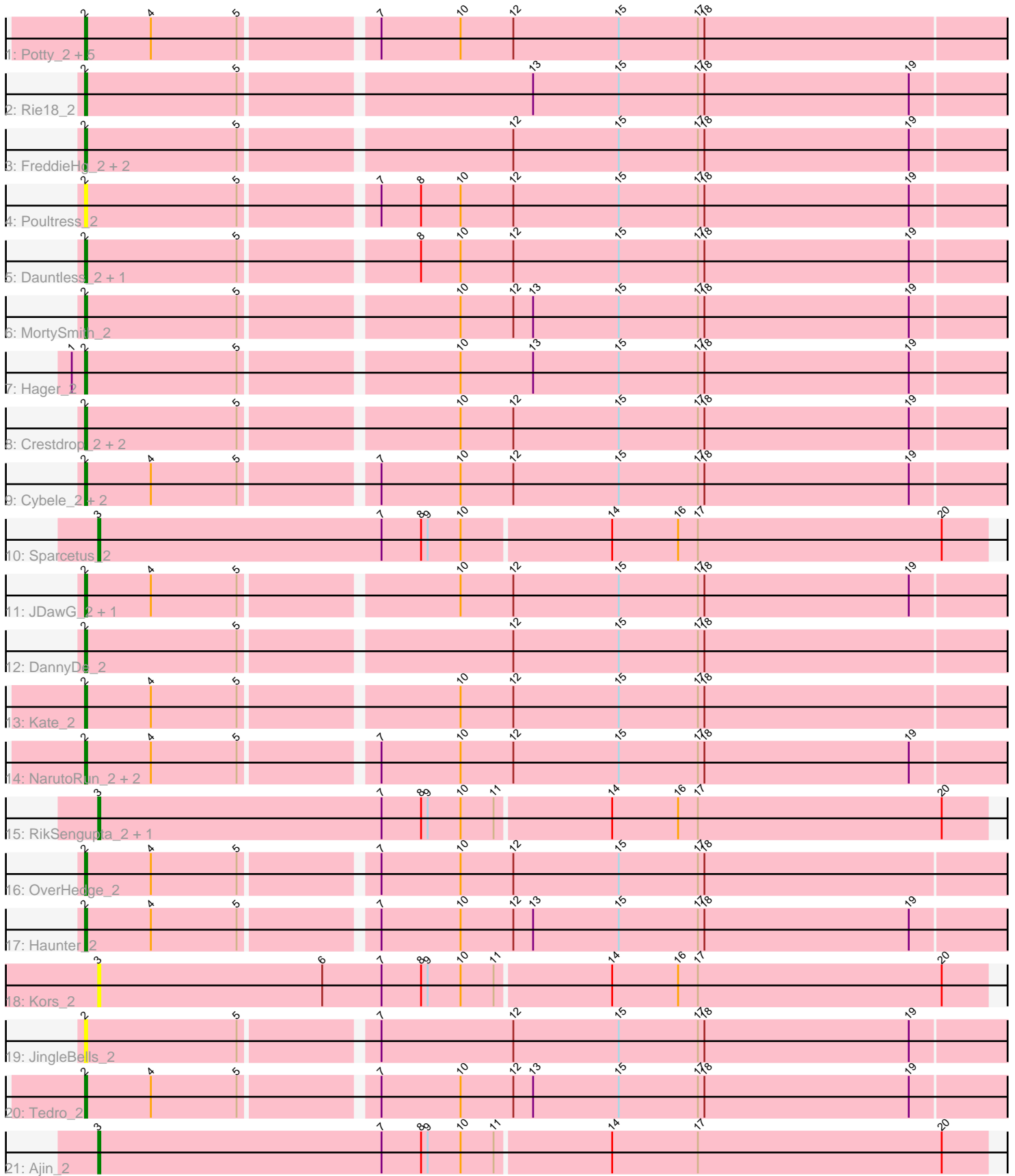


Pham 3220



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 3220 Report

This analysis was run 07/09/24 on database version 566.

Pham number 3220 has 37 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Potty_2, Gilda_2, Krampus_2, CoolCookie_2, AnnaSerena_2, Pharpay_2
- Track 2 : Rie18_2
- Track 3 : FreddieHg_2, Chivey_2, Hiddenleaf_2
- Track 4 : Poultruss_2
- Track 5 : Dauntless_2, Erudite_2
- Track 6 : MortySmith_2
- Track 7 : Hager_2
- Track 8 : Crestdrop_2, Karate_2, Aesir_2
- Track 9 : Cybele_2, PhunaPhoke_2, Neptune_2
- Track 10 : Sparcetus_2
- Track 11 : JDawG_2, Snakehole_2
- Track 12 : DannyDe_2
- Track 13 : Kate_2
- Track 14 : NarutoRun_2, Rachella_2, Anakin_2
- Track 15 : RikSengupta_2, TinyMiny_2
- Track 16 : OverHedge_2
- Track 17 : Haunter_2
- Track 18 : Kors_2
- Track 19 : JingleBells_2
- Track 20 : Tedro_2
- Track 21 : Ajin_2

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 26 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aesir_2, Anakin_2, AnnaSerena_2, Chivey_2, CoolCookie_2, Crestdrop_2, Cybele_2, DannyDe_2, Dauntless_2, Erudite_2, FreddieHg_2, Gilda_2, Hager_2, Haunter_2, Hiddenleaf_2, JDawG_2, JingleBells_2, Karate_2, Kate_2, Krampus_2, MortySmith_2, NarutoRun_2, Neptune_2, OverHedge_2, Pharpay_2, PhunaPhoke_2, Potty_2, Poultruss_2, Rachella_2, Rie18_2, Snakehole_2, Tedro_2,

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

-

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

- Ajin_2, Kors_2, RikSengupta_2, Sparcetus_2, TinyMiny_2,

Summary by start number:

Start 2:

- Found in 32 of 37 (86.5%) of genes in pham
- Manual Annotations of this start: 26 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aesir_2 (EF), Anakin_2 (EF), AnnaSerena_2 (EF), Chivey_2 (EF), CoolCookie_2 (EF), Crestdrop_2 (EF), Cybele_2 (EF), DannyDe_2 (EF), Dauntless_2 (EF), Erudite_2 (EF), FreddieHg_2 (EF), Gilda_2 (EF), Hager_2 (EF), Haunter_2 (EF), Hiddenleaf_2 (EF), JDawG_2 (EF), JingleBells_2 (EF), Karate_2 (EF), Kate_2 (EF), Krampus_2 (EF), MortySmith_2 (EF), NarutoRun_2 (EF), Neptune_2 (EF), OverHedge_2 (EF), Pharpay_2 (EF), PhunaPhoke_2 (EF), Potty_2 (EF), Poultruss_2 (EF), Rachella_2 (EF), Rie18_2 (EF), Snakehole_2 (EF), Tedro_2 (EF),

Start 3:

- Found in 5 of 37 (13.5%) of genes in pham
- Manual Annotations of this start: 4 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ajin_2 (EF), Kors_2 (EF), RikSengupta_2 (EF), Sparcetus_2 (EF), TinyMiny_2 (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 26 times for cluster EF.
- Start number 3 was manually annotated 4 times for cluster EF.

Gene Information:

Gene: Aesir_2 Start: 322, Stop: 750, Start Num: 2

Candidate Starts for Aesir_2:

(Start: 2 @322 has 26 MA's), (5, 391), (10, 484), (12, 508), (15, 556), (17, 592), (18, 595), (19, 688),

Gene: Ajin_2 Start: 312, Stop: 713, Start Num: 3

Candidate Starts for Ajin_2:

(Start: 3 @312 has 4 MA's), (7, 441), (8, 459), (9, 462), (10, 477), (11, 492), (14, 543), (17, 582), (20, 693),

Gene: Anakin_2 Start: 333, Stop: 779, Start Num: 2

Candidate Starts for Anakin_2:

(Start: 2 @333 has 26 MA's), (4, 363), (5, 402), (7, 459), (10, 495), (12, 519), (15, 567), (17, 603), (18, 606), (19, 699),

Gene: AnnaSerena_2 Start: 333, Stop: 779, Start Num: 2

Candidate Starts for AnnaSerena_2:

(Start: 2 @333 has 26 MA's), (4, 363), (5, 402), (7, 459), (10, 495), (12, 519), (15, 567), (17, 603), (18, 606),

Gene: Chivey_2 Start: 325, Stop: 762, Start Num: 2

Candidate Starts for Chivey_2:

(Start: 2 @325 has 26 MA's), (5, 394), (12, 511), (15, 559), (17, 595), (18, 598), (19, 691),

Gene: CoolCookie_2 Start: 333, Stop: 776, Start Num: 2

Candidate Starts for CoolCookie_2:

(Start: 2 @333 has 26 MA's), (4, 363), (5, 402), (7, 459), (10, 495), (12, 519), (15, 567), (17, 603), (18, 606),

Gene: Crestdrop_2 Start: 331, Stop: 774, Start Num: 2

Candidate Starts for Crestdrop_2:

(Start: 2 @331 has 26 MA's), (5, 400), (10, 493), (12, 517), (15, 565), (17, 601), (18, 604), (19, 697),

Gene: Cybele_2 Start: 319, Stop: 762, Start Num: 2

Candidate Starts for Cybele_2:

(Start: 2 @319 has 26 MA's), (4, 349), (5, 388), (7, 445), (10, 481), (12, 505), (15, 553), (17, 589), (18, 592), (19, 685),

Gene: DannyDe_2 Start: 328, Stop: 765, Start Num: 2

Candidate Starts for DannyDe_2:

(Start: 2 @328 has 26 MA's), (5, 397), (12, 514), (15, 562), (17, 598), (18, 601),

Gene: Dauntless_2 Start: 331, Stop: 768, Start Num: 2

Candidate Starts for Dauntless_2:

(Start: 2 @331 has 26 MA's), (5, 400), (8, 475), (10, 493), (12, 517), (15, 565), (17, 601), (18, 604), (19, 697),

Gene: Erudite_2 Start: 331, Stop: 768, Start Num: 2

Candidate Starts for Erudite_2:

(Start: 2 @331 has 26 MA's), (5, 400), (8, 475), (10, 493), (12, 517), (15, 565), (17, 601), (18, 604), (19, 697),

Gene: FreddieHg_2 Start: 325, Stop: 762, Start Num: 2

Candidate Starts for FreddieHg_2:

(Start: 2 @325 has 26 MA's), (5, 394), (12, 511), (15, 559), (17, 595), (18, 598), (19, 691),

Gene: Gilda_2 Start: 333, Stop: 770, Start Num: 2

Candidate Starts for Gilda_2:

(Start: 2 @333 has 26 MA's), (4, 363), (5, 402), (7, 459), (10, 495), (12, 519), (15, 567), (17, 603), (18, 606),

Gene: Hager_2 Start: 333, Stop: 770, Start Num: 2

Candidate Starts for Hager_2:

(1, 327), (Start: 2 @333 has 26 MA's), (5, 402), (10, 495), (13, 528), (15, 567), (17, 603), (18, 606), (19, 699),

Gene: Haunter_2 Start: 319, Stop: 756, Start Num: 2

Candidate Starts for Haunter_2:

(Start: 2 @319 has 26 MA's), (4, 349), (5, 388), (7, 445), (10, 481), (12, 505), (13, 514), (15, 553), (17, 589), (18, 592), (19, 685),

Gene: Hiddenleaf_2 Start: 325, Stop: 762, Start Num: 2

Candidate Starts for Hiddenleaf_2:

(Start: 2 @325 has 26 MA's), (5, 394), (12, 511), (15, 559), (17, 595), (18, 598), (19, 691),

Gene: JDawG_2 Start: 322, Stop: 750, Start Num: 2

Candidate Starts for JDawG_2:

(Start: 2 @322 has 26 MA's), (4, 352), (5, 391), (10, 484), (12, 508), (15, 556), (17, 592), (18, 595), (19, 688),

Gene: JingleBells_2 Start: 328, Stop: 765, Start Num: 2

Candidate Starts for JingleBells_2:

(Start: 2 @328 has 26 MA's), (5, 397), (7, 454), (12, 514), (15, 562), (17, 598), (18, 601), (19, 694),

Gene: Karate_2 Start: 322, Stop: 765, Start Num: 2

Candidate Starts for Karate_2:

(Start: 2 @322 has 26 MA's), (5, 391), (10, 484), (12, 508), (15, 556), (17, 592), (18, 595), (19, 688),

Gene: Kate_2 Start: 333, Stop: 779, Start Num: 2

Candidate Starts for Kate_2:

(Start: 2 @333 has 26 MA's), (4, 363), (5, 402), (10, 495), (12, 519), (15, 567), (17, 603), (18, 606),

Gene: Kors_2 Start: 294, Stop: 695, Start Num: 3

Candidate Starts for Kors_2:

(Start: 3 @294 has 4 MA's), (6, 396), (7, 423), (8, 441), (9, 444), (10, 459), (11, 474), (14, 525), (16, 555), (17, 564), (20, 675),

Gene: Krampus_2 Start: 333, Stop: 779, Start Num: 2

Candidate Starts for Krampus_2:

(Start: 2 @333 has 26 MA's), (4, 363), (5, 402), (7, 459), (10, 495), (12, 519), (15, 567), (17, 603), (18, 606),

Gene: MortySmith_2 Start: 322, Stop: 759, Start Num: 2

Candidate Starts for MortySmith_2:

(Start: 2 @322 has 26 MA's), (5, 391), (10, 484), (12, 508), (13, 517), (15, 556), (17, 592), (18, 595), (19, 688),

Gene: NarutoRun_2 Start: 333, Stop: 779, Start Num: 2

Candidate Starts for NarutoRun_2:

(Start: 2 @333 has 26 MA's), (4, 363), (5, 402), (7, 459), (10, 495), (12, 519), (15, 567), (17, 603), (18, 606), (19, 699),

Gene: Neptune_2 Start: 319, Stop: 762, Start Num: 2

Candidate Starts for Neptune_2:

(Start: 2 @319 has 26 MA's), (4, 349), (5, 388), (7, 445), (10, 481), (12, 505), (15, 553), (17, 589), (18, 592), (19, 685),

Gene: OverHedge_2 Start: 319, Stop: 756, Start Num: 2

Candidate Starts for OverHedge_2:

(Start: 2 @319 has 26 MA's), (4, 349), (5, 388), (7, 445), (10, 481), (12, 505), (15, 553), (17, 589), (18, 592),

Gene: Pharpay_2 Start: 333, Stop: 779, Start Num: 2

Candidate Starts for Pharpay_2:

(Start: 2 @333 has 26 MA's), (4, 363), (5, 402), (7, 459), (10, 495), (12, 519), (15, 567), (17, 603), (18, 606),

Gene: PhunaPhoke_2 Start: 319, Stop: 765, Start Num: 2

Candidate Starts for PhunaPhoke_2:

(Start: 2 @319 has 26 MA's), (4, 349), (5, 388), (7, 445), (10, 481), (12, 505), (15, 553), (17, 589), (18, 592), (19, 685),

Gene: Potty_2 Start: 333, Stop: 770, Start Num: 2

Candidate Starts for Potty_2:

(Start: 2 @333 has 26 MA's), (4, 363), (5, 402), (7, 459), (10, 495), (12, 519), (15, 567), (17, 603), (18, 606),

Gene: Poultress_2 Start: 325, Stop: 768, Start Num: 2

Candidate Starts for Poultress_2:

(Start: 2 @325 has 26 MA's), (5, 394), (7, 451), (8, 469), (10, 487), (12, 511), (15, 559), (17, 595), (18, 598), (19, 691),

Gene: Rachella_2 Start: 333, Stop: 776, Start Num: 2

Candidate Starts for Rachella_2:

(Start: 2 @333 has 26 MA's), (4, 363), (5, 402), (7, 459), (10, 495), (12, 519), (15, 567), (17, 603), (18, 606), (19, 699),

Gene: Rie18_2 Start: 337, Stop: 774, Start Num: 2

Candidate Starts for Rie18_2:

(Start: 2 @337 has 26 MA's), (5, 406), (13, 532), (15, 571), (17, 607), (18, 610), (19, 703),

Gene: RikSengupta_2 Start: 312, Stop: 713, Start Num: 3

Candidate Starts for RikSengupta_2:

(Start: 3 @312 has 4 MA's), (7, 441), (8, 459), (9, 462), (10, 477), (11, 492), (14, 543), (16, 573), (17, 582), (20, 693),

Gene: Snakehole_2 Start: 322, Stop: 750, Start Num: 2

Candidate Starts for Snakehole_2:

(Start: 2 @322 has 26 MA's), (4, 352), (5, 391), (10, 484), (12, 508), (15, 556), (17, 592), (18, 595), (19, 688),

Gene: Sparcetus_2 Start: 312, Stop: 713, Start Num: 3

Candidate Starts for Sparcetus_2:

(Start: 3 @312 has 4 MA's), (7, 441), (8, 459), (9, 462), (10, 477), (14, 543), (16, 573), (17, 582), (20, 693),

Gene: Tedro_2 Start: 333, Stop: 776, Start Num: 2

Candidate Starts for Tedro_2:

(Start: 2 @333 has 26 MA's), (4, 363), (5, 402), (7, 459), (10, 495), (12, 519), (13, 528), (15, 567), (17, 603), (18, 606), (19, 699),

Gene: TinyMiny_2 Start: 312, Stop: 713, Start Num: 3

Candidate Starts for TinyMiny_2:

(Start: 3 @312 has 4 MA's), (7, 441), (8, 459), (9, 462), (10, 477), (11, 492), (14, 543), (16, 573), (17, 582), (20, 693),