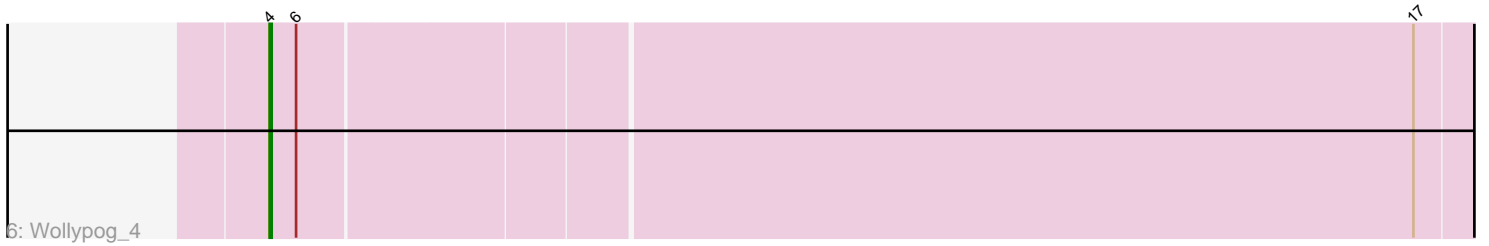
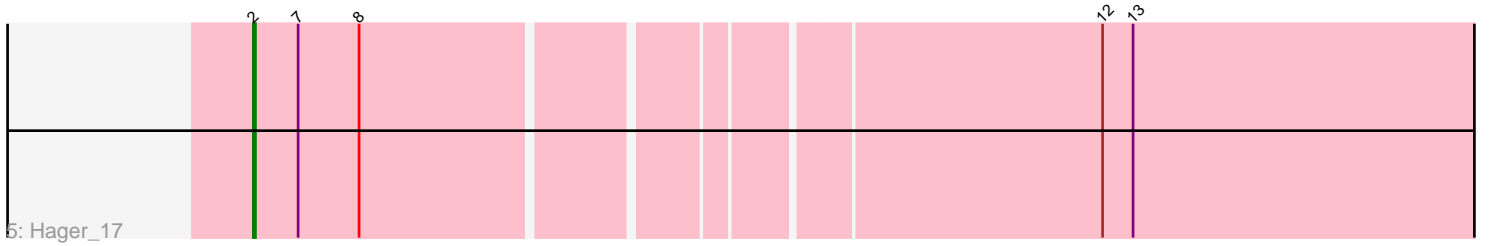
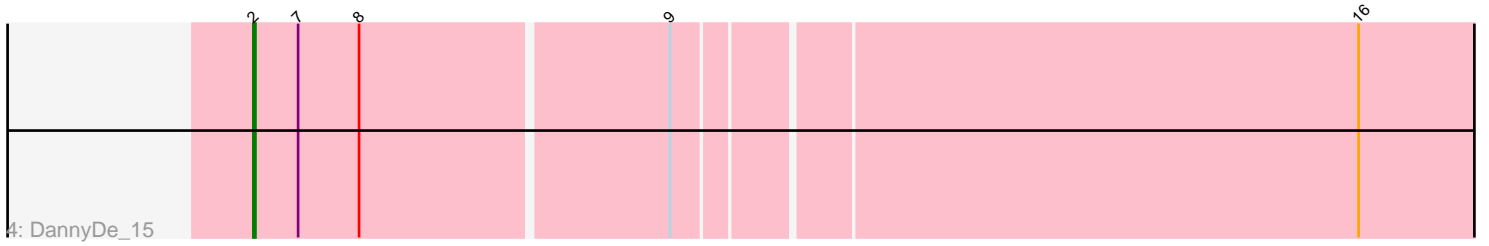
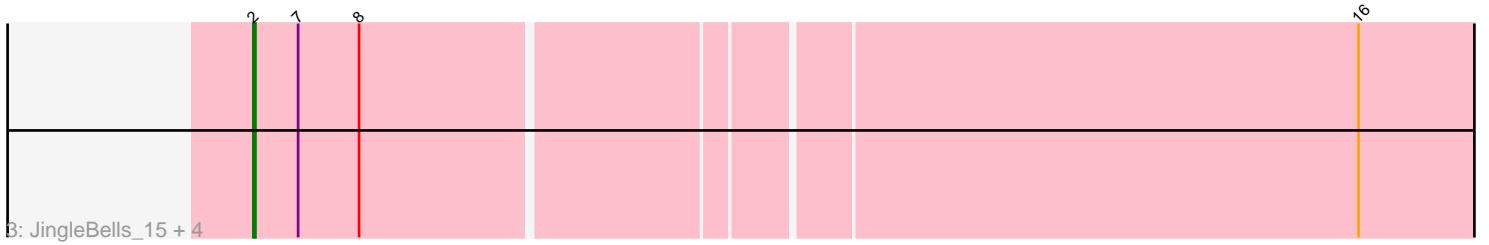
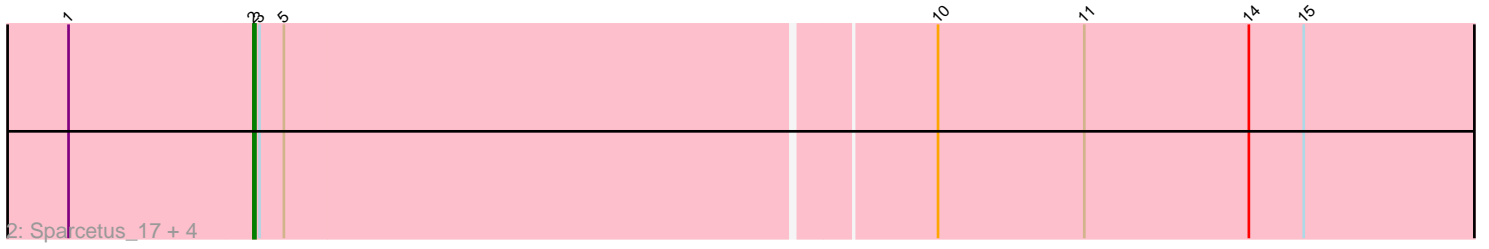
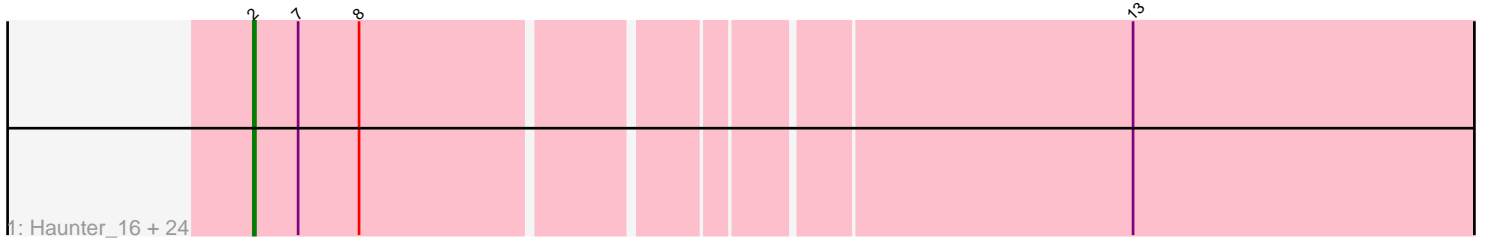


Pham 163760



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 163760 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163760 has 38 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Haunter_16, NarutoRun_16, MortySmith_14, Cybele_16, PhunaPhoke_16, Krampus_16, Aesir_15, Kate_16, Erudite_15, Rie18_16, Tedro_16, CoolCookie_19, AnnaSerena_16, FreddieHg_15, Gilda_16, Pharpay_16, Karate_15, Neptune_16, JDawG_15, OverHedge_16, Potty_16, Dauntless_16, Poultruss_15, Rachella_16, Anakin_16
- Track 2 : Sparcetus_17, Ajin_18, Kors_18, TinyMiny_17, RikSengupta_17
- Track 3 : JingleBells_15, Snakehole_17, Chivey_15, Hiddenleaf_15, Crestdrop_16
- Track 4 : DannyDe_15
- Track 5 : Hager_17
- Track 6 : Wollypog_4

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 27 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aesir_15, Ajin_18, Anakin_16, AnnaSerena_16, Chivey_15, CoolCookie_19, Crestdrop_16, Cybele_16, DannyDe_15, Dauntless_16, Erudite_15, FreddieHg_15, Gilda_16, Hager_17, Haunter_16, Hiddenleaf_15, JDawG_15, JingleBells_15, Karate_15, Kate_16, Kors_18, Krampus_16, MortySmith_14, NarutoRun_16, Neptune_16, OverHedge_16, Pharpay_16, PhunaPhoke_16, Potty_16, Poultruss_15, Rachella_16, Rie18_16, RikSengupta_17, Snakehole_17, Sparcetus_17, Tedro_16, TinyMiny_17,

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

-

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

- Wollypog_4,

Summary by start number:

Start 2:

- Found in 37 of 38 (97.4%) of genes in pham
- Manual Annotations of this start: 27 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aesir_15 (EF), Ajin_18 (EF), Anakin_16 (EF), AnnaSerena_16 (EF), Chivey_15 (EF), CoolCookie_19 (EF), Crestdrop_16 (EF), Cybele_16 (EF), DannyDe_15 (EF), Dauntless_16 (EF), Erudite_15 (EF), FreddieHg_15 (EF), Gilda_16 (EF), Hager_17 (EF), Haunter_16 (EF), Hiddenleaf_15 (EF), JDawG_15 (EF), JingleBells_15 (EF), Karate_15 (EF), Kate_16 (EF), Kors_18 (EF), Krampus_16 (EF), MortySmith_14 (EF), NarutoRun_16 (EF), Neptune_16 (EF), OverHedge_16 (EF), Pharpay_16 (EF), PhunaPhoke_16 (EF), Potty_16 (EF), Poultruss_15 (EF), Rachella_16 (EF), Rie18_16 (EF), RikSengupta_17 (EF), Snakehole_17 (EF), Sparcetus_17 (EF), Tedro_16 (EF), TinyMiny_17 (EF),

Start 4:

- Found in 1 of 38 (2.6%) of genes in pham
- Manual Annotations of this start: 1 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wollypog_4 (singleton),

Summary by clusters:

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

Info for manual annotations of cluster EF:

- Start number 2 was manually annotated 27 times for cluster EF.

Gene Information:

Gene: Aesir_15 Start: 8306, Stop: 9034, Start Num: 2

Candidate Starts for Aesir_15:

(Start: 2 @8306 has 27 MA's), (7, 8327), (8, 8357), (13, 8711),

Gene: Ajin_18 Start: 8356, Stop: 9093, Start Num: 2

Candidate Starts for Ajin_18:

(1, 8266), (Start: 2 @8356 has 27 MA's), (3, 8359), (5, 8371), (10, 8683), (11, 8755), (14, 8836), (15, 8863),

Gene: Anakin_16 Start: 8521, Stop: 9249, Start Num: 2

Candidate Starts for Anakin_16:

(Start: 2 @8521 has 27 MA's), (7, 8542), (8, 8572), (13, 8926),

Gene: AnnaSerena_16 Start: 8518, Stop: 9252, Start Num: 2

Candidate Starts for AnnaSerena_16:

(Start: 2 @8518 has 27 MA's), (7, 8539), (8, 8569), (13, 8923),

Gene: Chivey_15 Start: 7712, Stop: 8446, Start Num: 2

Candidate Starts for Chivey_15:

(Start: 2 @7712 has 27 MA's), (7, 7733), (8, 7763), (16, 8234),

Gene: CoolCookie_19 Start: 8513, Stop: 9250, Start Num: 2

Candidate Starts for CoolCookie_19:

(Start: 2 @8513 has 27 MA's), (7, 8534), (8, 8564), (13, 8918),

Gene: Crestdrop_16 Start: 7586, Stop: 8320, Start Num: 2

Candidate Starts for Crestdrop_16:

(Start: 2 @7586 has 27 MA's), (7, 7607), (8, 7637), (16, 8108),

Gene: Cybele_16 Start: 8486, Stop: 9220, Start Num: 2

Candidate Starts for Cybele_16:

(Start: 2 @8486 has 27 MA's), (7, 8507), (8, 8537), (13, 8891),

Gene: DannyDe_15 Start: 7704, Stop: 8438, Start Num: 2

Candidate Starts for DannyDe_15:

(Start: 2 @7704 has 27 MA's), (7, 7725), (8, 7755), (9, 7902), (16, 8226),

Gene: Dauntless_16 Start: 8235, Stop: 8963, Start Num: 2

Candidate Starts for Dauntless_16:

(Start: 2 @8235 has 27 MA's), (7, 8256), (8, 8286), (13, 8640),

Gene: Erudite_15 Start: 8235, Stop: 8963, Start Num: 2

Candidate Starts for Erudite_15:

(Start: 2 @8235 has 27 MA's), (7, 8256), (8, 8286), (13, 8640),

Gene: FreddieHg_15 Start: 7725, Stop: 8462, Start Num: 2

Candidate Starts for FreddieHg_15:

(Start: 2 @7725 has 27 MA's), (7, 7746), (8, 7776), (13, 8130),

Gene: Gilda_16 Start: 8510, Stop: 9244, Start Num: 2

Candidate Starts for Gilda_16:

(Start: 2 @8510 has 27 MA's), (7, 8531), (8, 8561), (13, 8915),

Gene: Hager_17 Start: 8085, Stop: 8819, Start Num: 2

Candidate Starts for Hager_17:

(Start: 2 @8085 has 27 MA's), (7, 8106), (8, 8136), (12, 8475), (13, 8490),

Gene: Haunter_16 Start: 7929, Stop: 8663, Start Num: 2

Candidate Starts for Haunter_16:

(Start: 2 @7929 has 27 MA's), (7, 7950), (8, 7980), (13, 8334),

Gene: Hiddenleaf_15 Start: 7712, Stop: 8446, Start Num: 2

Candidate Starts for Hiddenleaf_15:

(Start: 2 @7712 has 27 MA's), (7, 7733), (8, 7763), (16, 8234),

Gene: JDawG_15 Start: 8300, Stop: 9028, Start Num: 2

Candidate Starts for JDawG_15:

(Start: 2 @8300 has 27 MA's), (7, 8321), (8, 8351), (13, 8705),

Gene: JingleBells_15 Start: 7783, Stop: 8523, Start Num: 2

Candidate Starts for JingleBells_15:

(Start: 2 @7783 has 27 MA's), (7, 7804), (8, 7834), (16, 8305),

Gene: Karate_15 Start: 7934, Stop: 8668, Start Num: 2

Candidate Starts for Karate_15:

(Start: 2 @7934 has 27 MA's), (7, 7955), (8, 7985), (13, 8339),

Gene: Kate_16 Start: 8518, Stop: 9252, Start Num: 2
Candidate Starts for Kate_16:
(Start: 2 @8518 has 27 MA's), (7, 8539), (8, 8569), (13, 8923),

Gene: Kors_18 Start: 8386, Stop: 9123, Start Num: 2
Candidate Starts for Kors_18:
(1, 8296), (Start: 2 @8386 has 27 MA's), (3, 8389), (5, 8401), (10, 8713), (11, 8785), (14, 8866), (15, 8893),

Gene: Krampus_16 Start: 8516, Stop: 9250, Start Num: 2
Candidate Starts for Krampus_16:
(Start: 2 @8516 has 27 MA's), (7, 8537), (8, 8567), (13, 8921),

Gene: MortySmith_14 Start: 7697, Stop: 8425, Start Num: 2
Candidate Starts for MortySmith_14:
(Start: 2 @7697 has 27 MA's), (7, 7718), (8, 7748), (13, 8102),

Gene: NarutoRun_16 Start: 8521, Stop: 9249, Start Num: 2
Candidate Starts for NarutoRun_16:
(Start: 2 @8521 has 27 MA's), (7, 8542), (8, 8572), (13, 8926),

Gene: Neptune_16 Start: 8486, Stop: 9220, Start Num: 2
Candidate Starts for Neptune_16:
(Start: 2 @8486 has 27 MA's), (7, 8507), (8, 8537), (13, 8891),

Gene: OverHedge_16 Start: 8483, Stop: 9217, Start Num: 2
Candidate Starts for OverHedge_16:
(Start: 2 @8483 has 27 MA's), (7, 8504), (8, 8534), (13, 8888),

Gene: Pharpay_16 Start: 8531, Stop: 9265, Start Num: 2
Candidate Starts for Pharpay_16:
(Start: 2 @8531 has 27 MA's), (7, 8552), (8, 8582), (13, 8936),

Gene: PhunaPhoke_16 Start: 8504, Stop: 9238, Start Num: 2
Candidate Starts for PhunaPhoke_16:
(Start: 2 @8504 has 27 MA's), (7, 8525), (8, 8555), (13, 8909),

Gene: Potty_16 Start: 8509, Stop: 9243, Start Num: 2
Candidate Starts for Potty_16:
(Start: 2 @8509 has 27 MA's), (7, 8530), (8, 8560), (13, 8914),

Gene: Poultruss_15 Start: 8283, Stop: 9017, Start Num: 2
Candidate Starts for Poultruss_15:
(Start: 2 @8283 has 27 MA's), (7, 8304), (8, 8334), (13, 8688),

Gene: Rachella_16 Start: 8515, Stop: 9249, Start Num: 2
Candidate Starts for Rachella_16:
(Start: 2 @8515 has 27 MA's), (7, 8536), (8, 8566), (13, 8920),

Gene: Rie18_16 Start: 7869, Stop: 8603, Start Num: 2
Candidate Starts for Rie18_16:
(Start: 2 @7869 has 27 MA's), (7, 7890), (8, 7920), (13, 8274),

Gene: RikSengupta_17 Start: 8438, Stop: 9175, Start Num: 2

Candidate Starts for RikSengupta_17:

(1, 8348), (Start: 2 @8438 has 27 MA's), (3, 8441), (5, 8453), (10, 8765), (11, 8837), (14, 8918), (15, 8945),

Gene: Snakehole_17 Start: 7808, Stop: 8542, Start Num: 2

Candidate Starts for Snakehole_17:

(Start: 2 @7808 has 27 MA's), (7, 7829), (8, 7859), (16, 8330),

Gene: Sparcetus_17 Start: 8317, Stop: 9054, Start Num: 2

Candidate Starts for Sparcetus_17:

(1, 8227), (Start: 2 @8317 has 27 MA's), (3, 8320), (5, 8332), (10, 8644), (11, 8716), (14, 8797), (15, 8824),

Gene: Tedro_16 Start: 7985, Stop: 8719, Start Num: 2

Candidate Starts for Tedro_16:

(Start: 2 @7985 has 27 MA's), (7, 8006), (8, 8036), (13, 8390),

Gene: TinyMiny_17 Start: 8336, Stop: 9073, Start Num: 2

Candidate Starts for TinyMiny_17:

(1, 8246), (Start: 2 @8336 has 27 MA's), (3, 8339), (5, 8351), (10, 8663), (11, 8735), (14, 8816), (15, 8843),

Gene: Wollypog_4 Start: 5058, Stop: 5780, Start Num: 4

Candidate Starts for Wollypog_4:

(Start: 4 @5058 has 1 MA's), (6, 5070), (17, 5607),