

Pham 196717



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 196717 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196717 has 31 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Tedro\_39, AnnaSerena\_39, PhunaPhoke\_39, Neptune\_39, Cybele\_39, CoolCookie\_39, NarutoRun\_39, Pharpay\_39, Anakin\_39, Gilda\_39, Potty\_39, OverHedge\_39
- Track 2 : Hager\_40
- Track 3 : Haunter\_39
- Track 4 : Crestdrop\_39
- Track 5 : Snakehole\_39
- Track 6 : Erudite\_38, Dauntless\_38
- Track 7 : Hiddenleaf\_39, JingleBells\_39, DannyDe\_39, FreddieHg\_39, Chivey\_39
- Track 8 : Rie18\_39
- Track 9 : Krampus\_39
- Track 10 : JDawG\_38
- Track 11 : MortySmith\_37
- Track 12 : Aesir\_38
- Track 13 : Karate\_38
- Track 14 : Poultruss\_38
- Track 15 : Rachella\_39

### ***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 30 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aesir\_38, Anakin\_39, AnnaSerena\_39, Chivey\_39, CoolCookie\_39, Crestdrop\_39, Cybele\_39, DannyDe\_39, Dauntless\_38, Erudite\_38, FreddieHg\_39, Gilda\_39, Hager\_40, Haunter\_39, Hiddenleaf\_39, JDawG\_38, JingleBells\_39, Karate\_38, Krampus\_39, MortySmith\_37, NarutoRun\_39, Neptune\_39, OverHedge\_39, Pharpay\_39, PhunaPhoke\_39, Potty\_39, Poultruss\_38, Rachella\_39, Rie18\_39, Snakehole\_39, Tedro\_39,

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 2:

- Found in 31 of 31 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 30 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aesir\_38 (EF), Anakin\_39 (EF), AnnaSerena\_39 (EF), Chivey\_39 (EF), CoolCookie\_39 (EF), Crestdrop\_39 (EF), Cybele\_39 (EF), DannyDe\_39 (EF), Dauntless\_38 (EF), Erudite\_38 (EF), FreddieHg\_39 (EF), Gilda\_39 (EF), Hager\_40 (EF), Haunter\_39 (EF), Hiddenleaf\_39 (EF), JDawG\_38 (EF), JingleBells\_39 (EF), Karate\_38 (EF), Krampus\_39 (EF), MortySmith\_37 (EF), NarutoRun\_39 (EF), Neptune\_39 (EF), OverHedge\_39 (EF), Pharpay\_39 (EF), PhunaPhoke\_39 (EF), Potty\_39 (EF), Poultruss\_38 (EF), Rachella\_39 (EF), Rie18\_39 (EF), Snakehole\_39 (EF), Tedro\_39 (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 30 times for cluster EF.

### Gene Information:

Gene: Aesir\_38 Start: 25004, Stop: 25594, Start Num: 2

Candidate Starts for Aesir\_38:

(Start: 2 @25004 has 30 MA's), (4, 25058), (7, 25094), (9, 25208), (10, 25250), (11, 25256), (12, 25301), (13, 25346), (14, 25448), (15, 25454),

Gene: Anakin\_39 Start: 25324, Stop: 25914, Start Num: 2

Candidate Starts for Anakin\_39:

(Start: 2 @25324 has 30 MA's), (4, 25378), (7, 25414), (9, 25528), (10, 25570), (13, 25666), (14, 25768), (15, 25774),

Gene: AnnaSerena\_39 Start: 25359, Stop: 25949, Start Num: 2

Candidate Starts for AnnaSerena\_39:

(Start: 2 @25359 has 30 MA's), (4, 25413), (7, 25449), (9, 25563), (10, 25605), (13, 25701), (14, 25803), (15, 25809),

Gene: Chivey\_39 Start: 24582, Stop: 25172, Start Num: 2

Candidate Starts for Chivey\_39:

(Start: 2 @24582 has 30 MA's), (5, 24636), (7, 24672), (9, 24786), (10, 24828), (11, 24834), (12, 24879), (13, 24924), (14, 25026), (15, 25032),

Gene: CoolCookie\_39 Start: 25354, Stop: 25944, Start Num: 2

Candidate Starts for CoolCookie\_39:

(Start: 2 @25354 has 30 MA's), (4, 25408), (7, 25444), (9, 25558), (10, 25600), (13, 25696), (14, 25798), (15, 25804),

Gene: Crestdrop\_39 Start: 24493, Stop: 25206, Start Num: 2

Candidate Starts for Crestdrop\_39:

(Start: 2 @24493 has 30 MA's), (7, 24637), (9, 24820), (10, 24862), (11, 24868), (12, 24913), (13, 24958), (14, 25060), (15, 25066),

Gene: Cybele\_39 Start: 25324, Stop: 25914, Start Num: 2

Candidate Starts for Cybele\_39:

(Start: 2 @25324 has 30 MA's), (4, 25378), (7, 25414), (9, 25528), (10, 25570), (13, 25666), (14, 25768), (15, 25774),

Gene: DannyDe\_39 Start: 24588, Stop: 25178, Start Num: 2

Candidate Starts for DannyDe\_39:

(Start: 2 @24588 has 30 MA's), (5, 24642), (7, 24678), (9, 24792), (10, 24834), (11, 24840), (12, 24885), (13, 24930), (14, 25032), (15, 25038),

Gene: Dauntless\_38 Start: 24910, Stop: 25500, Start Num: 2

Candidate Starts for Dauntless\_38:

(Start: 2 @24910 has 30 MA's), (4, 24964), (7, 25000), (9, 25114), (10, 25156), (11, 25162), (12, 25207), (13, 25252), (14, 25354), (15, 25360),

Gene: Erudite\_38 Start: 24910, Stop: 25500, Start Num: 2

Candidate Starts for Erudite\_38:

(Start: 2 @24910 has 30 MA's), (4, 24964), (7, 25000), (9, 25114), (10, 25156), (11, 25162), (12, 25207), (13, 25252), (14, 25354), (15, 25360),

Gene: FreddieHg\_39 Start: 24598, Stop: 25188, Start Num: 2

Candidate Starts for FreddieHg\_39:

(Start: 2 @24598 has 30 MA's), (5, 24652), (7, 24688), (9, 24802), (10, 24844), (11, 24850), (12, 24895), (13, 24940), (14, 25042), (15, 25048),

Gene: Gilda\_39 Start: 25348, Stop: 25938, Start Num: 2

Candidate Starts for Gilda\_39:

(Start: 2 @25348 has 30 MA's), (4, 25402), (7, 25438), (9, 25552), (10, 25594), (13, 25690), (14, 25792), (15, 25798),

Gene: Hager\_40 Start: 24835, Stop: 25425, Start Num: 2

Candidate Starts for Hager\_40:

(Start: 2 @24835 has 30 MA's), (6, 24916), (9, 25039), (10, 25081), (11, 25087), (13, 25177), (14, 25279),

Gene: Haunter\_39 Start: 24740, Stop: 25330, Start Num: 2

Candidate Starts for Haunter\_39:

(Start: 2 @24740 has 30 MA's), (4, 24794), (9, 24944), (10, 24986), (13, 25082), (14, 25184), (15, 25190),

Gene: Hiddenleaf\_39 Start: 24582, Stop: 25172, Start Num: 2

Candidate Starts for Hiddenleaf\_39:

(Start: 2 @24582 has 30 MA's), (5, 24636), (7, 24672), (9, 24786), (10, 24828), (11, 24834), (12, 24879), (13, 24924), (14, 25026), (15, 25032),

Gene: JDawG\_38 Start: 24999, Stop: 25589, Start Num: 2

Candidate Starts for JDawG\_38:

(Start: 2 @24999 has 30 MA's), (4, 25053), (7, 25089), (9, 25203), (10, 25245), (12, 25296), (13, 25341), (15, 25449),

Gene: JingleBells\_39 Start: 24703, Stop: 25293, Start Num: 2

Candidate Starts for JingleBells\_39:

(Start: 2 @24703 has 30 MA's), (5, 24757), (7, 24793), (9, 24907), (10, 24949), (11, 24955), (12, 25000), (13, 25045), (14, 25147), (15, 25153),

Gene: Karate\_38 Start: 25350, Stop: 25943, Start Num: 2

Candidate Starts for Karate\_38:

(Start: 2 @25350 has 30 MA's), (8, 25476), (9, 25557), (10, 25599), (11, 25605), (13, 25695), (14, 25797),

Gene: Krampus\_39 Start: 25356, Stop: 25946, Start Num: 2

Candidate Starts for Krampus\_39:

(Start: 2 @25356 has 30 MA's), (4, 25410), (7, 25446), (9, 25560), (10, 25602), (11, 25608), (13, 25698), (14, 25800),

Gene: MortySmith\_37 Start: 24387, Stop: 24977, Start Num: 2

Candidate Starts for MortySmith\_37:

(Start: 2 @24387 has 30 MA's), (4, 24441), (7, 24477), (9, 24591), (10, 24633), (12, 24684), (13, 24729), (14, 24831), (15, 24837),

Gene: NarutoRun\_39 Start: 25324, Stop: 25914, Start Num: 2

Candidate Starts for NarutoRun\_39:

(Start: 2 @25324 has 30 MA's), (4, 25378), (7, 25414), (9, 25528), (10, 25570), (13, 25666), (14, 25768), (15, 25774),

Gene: Neptune\_39 Start: 25324, Stop: 25914, Start Num: 2

Candidate Starts for Neptune\_39:

(Start: 2 @25324 has 30 MA's), (4, 25378), (7, 25414), (9, 25528), (10, 25570), (13, 25666), (14, 25768), (15, 25774),

Gene: OverHedge\_39 Start: 25314, Stop: 25904, Start Num: 2

Candidate Starts for OverHedge\_39:

(Start: 2 @25314 has 30 MA's), (4, 25368), (7, 25404), (9, 25518), (10, 25560), (13, 25656), (14, 25758), (15, 25764),

Gene: Pharpay\_39 Start: 25369, Stop: 25959, Start Num: 2

Candidate Starts for Pharpay\_39:

(Start: 2 @25369 has 30 MA's), (4, 25423), (7, 25459), (9, 25573), (10, 25615), (13, 25711), (14, 25813), (15, 25819),

Gene: PhunaPhoke\_39 Start: 25342, Stop: 25932, Start Num: 2

Candidate Starts for PhunaPhoke\_39:

(Start: 2 @25342 has 30 MA's), (4, 25396), (7, 25432), (9, 25546), (10, 25588), (13, 25684), (14, 25786), (15, 25792),

Gene: Potty\_39 Start: 25347, Stop: 25937, Start Num: 2

Candidate Starts for Potty\_39:

(Start: 2 @25347 has 30 MA's), (4, 25401), (7, 25437), (9, 25551), (10, 25593), (13, 25689), (14, 25791), (15, 25797),

Gene: Poultruss\_38 Start: 25693, Stop: 26283, Start Num: 2

Candidate Starts for Poultruss\_38:

(Start: 2 @25693 has 30 MA's), (4, 25747), (7, 25783), (9, 25897), (10, 25939), (11, 25945), (13, 26035), (14, 26137), (15, 26143),

Gene: Rachella\_39 Start: 25350, Stop: 25940, Start Num: 2

Candidate Starts for Rachella\_39:

(Start: 2 @25350 has 30 MA's), (4, 25404), (9, 25554), (10, 25596), (11, 25602), (13, 25692), (14, 25794),

Gene: Rie18\_39 Start: 24840, Stop: 25496, Start Num: 2

Candidate Starts for Rie18\_39:

(1, 24684), (Start: 2 @24840 has 30 MA's), (3, 24885), (7, 24984), (8, 25029), (9, 25110), (10, 25152), (11, 25158), (13, 25248), (14, 25350),

Gene: Snakehole\_39 Start: 24527, Stop: 25117, Start Num: 2

Candidate Starts for Snakehole\_39:

(Start: 2 @24527 has 30 MA's), (4, 24581), (9, 24731), (10, 24773), (11, 24779), (13, 24869), (14, 24971), (15, 24977),

Gene: Tedro\_39 Start: 24820, Stop: 25410, Start Num: 2

Candidate Starts for Tedro\_39:

(Start: 2 @24820 has 30 MA's), (4, 24874), (7, 24910), (9, 25024), (10, 25066), (13, 25162), (14, 25264), (15, 25270),