

Zoomed Pham 309074



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 309074 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309074 has 28 members, 1 are drafts.

Phages represented in each track:

- Track 1 : EastWest_40
- Track 2 : Franzy_36, Brent_36
- Track 3 : NathanVaag_36
- Track 4 : King2_36
- Track 5 : Beans_36
- Track 6 : Jawnski_36
- Track 7 : Piccoletto_36
- Track 8 : GravityBall_38, StevieBAY_38
- Track 9 : Wyborn_40
- Track 10 : Grekaycon_38, Zartrosa_38, Pippa_38, Martha_38, TaeYoung_38
- Track 11 : Sonny_38
- Track 12 : LeeroyJ_38, Timinator_38, BigDome_38
- Track 13 : Jordan_38, Shade_38, BossLady_38
- Track 14 : Sicarius2_40
- Track 15 : BarretLemon_38
- Track 16 : JKerns_38
- Track 17 : Abba_38
- Track 18 : Nostromo_36

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

The start number called the most often in the published annotations is 18, it was called in 25 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarretLemon_38, Beans_36, BigDome_38, BossLady_38, Brent_36, EastWest_40, Franzy_36, GravityBall_38, Grekaycon_38, JKerns_38, Jawnski_36, Jordan_38, King2_36, LeeroyJ_38, Martha_38, NathanVaag_36, Piccoletto_36, Pippa_38, Shade_38, Sicarius2_40, Sonny_38, StevieBAY_38, TaeYoung_38, Timinator_38, Wyborn_40, Zartrosa_38,

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

-

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

- Abba_38, Nostromo_36,

Summary by start number:

Start 18:

- Found in 26 of 28 (92.9%) of genes in pham
- Manual Annotations of this start: 25 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BarretLemon_38 (AO2), Beans_36 (AO1), BigDome_38 (AO2), BossLady_38 (AO2), Brent_36 (AO1), EastWest_40 (AO), Franzy_36 (AO1), GravityBall_38 (AO2), Grekaycon_38 (AO2), JKerns_38 (AO2), Jawnski_36 (AO1), Jordan_38 (AO2), King2_36 (AO1), LeeroyJ_38 (AO2), Martha_38 (AO2), NathanVaag_36 (AO1), Piccoletto_36 (AO1), Pippa_38 (AO2), Shade_38 (AO2), Sicarius2_40 (AO2), Sonny_38 (AO2), StevieBAY_38 (AO2), TaeYoung_38 (AO2), Timinator_38 (AO2), Wyborn_40 (AO2), Zartrosa_38 (AO2),

Start 19:

- Found in 2 of 28 (7.1%) of genes in pham
- Manual Annotations of this start: 2 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abba_38 (AO3), Nostromo_36 (AO3),

Summary by clusters:

There are 4 clusters represented in this pham: AO, AO3, AO2, AO1,

Info for manual annotations of cluster AO:

- Start number 18 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO1:

- Start number 18 was manually annotated 7 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 18 was manually annotated 17 times for cluster AO2.

Info for manual annotations of cluster AO3:

- Start number 19 was manually annotated 2 times for cluster AO3.

Gene Information:

Gene: Abba_38 Start: 30385, Stop: 30603, Start Num: 19

Candidate Starts for Abba_38:

(16, 30367), (Start: 19 @30385 has 2 MA's), (27, 30517), (29, 30538),

Gene: BarretLemon_38 Start: 31643, Stop: 31858, Start Num: 18

Candidate Starts for BarretLemon_38:

(Start: 18 @31643 has 25 MA's), (27, 31775),

Gene: Beans_36 Start: 31432, Stop: 31644, Start Num: 18

Candidate Starts for Beans_36:

(Start: 18 @31432 has 25 MA's), (21, 31465), (26, 31540), (27, 31564),

Gene: BigDome_38 Start: 31631, Stop: 31864, Start Num: 18

Candidate Starts for BigDome_38:

(Start: 18 @31631 has 25 MA's), (24, 31697), (28, 31790),

Gene: BossLady_38 Start: 31645, Stop: 31866, Start Num: 18

Candidate Starts for BossLady_38:

(Start: 18 @31645 has 25 MA's), (26, 31762), (27, 31786),

Gene: Brent_36 Start: 31380, Stop: 31598, Start Num: 18

Candidate Starts for Brent_36:

(Start: 18 @31380 has 25 MA's),

Gene: EastWest_40 Start: 31318, Stop: 31530, Start Num: 18

Candidate Starts for EastWest_40:

(Start: 18 @31318 has 25 MA's), (20, 31333), (22, 31366), (25, 31417), (31, 31498),

Gene: Franzy_36 Start: 31402, Stop: 31614, Start Num: 18

Candidate Starts for Franzy_36:

(Start: 18 @31402 has 25 MA's),

Gene: GravityBall_38 Start: 31655, Stop: 31888, Start Num: 18

Candidate Starts for GravityBall_38:

(Start: 18 @31655 has 25 MA's), (24, 31721), (28, 31814),

Gene: Grekaycon_38 Start: 31591, Stop: 31812, Start Num: 18

Candidate Starts for Grekaycon_38:

(Start: 18 @31591 has 25 MA's), (26, 31708), (27, 31732), (28, 31741),

Gene: JKerns_38 Start: 31651, Stop: 31872, Start Num: 18

Candidate Starts for JKerns_38:

(1, 31171), (2, 31174), (3, 31177), (4, 31315), (5, 31360), (6, 31363), (7, 31405), (8, 31435), (9, 31447), (10, 31498), (13, 31570), (15, 31588), (Start: 18 @31651 has 25 MA's), (26, 31768), (27, 31792),

Gene: Jawnski_36 Start: 31390, Stop: 31602, Start Num: 18

Candidate Starts for Jawnski_36:

(11, 31273), (Start: 18 @31390 has 25 MA's), (21, 31423), (26, 31498), (27, 31522),

Gene: Jordan_38 Start: 31700, Stop: 31921, Start Num: 18

Candidate Starts for Jordan_38:

(Start: 18 @31700 has 25 MA's), (26, 31817), (27, 31841),

Gene: King2_36 Start: 31374, Stop: 31592, Start Num: 18

Candidate Starts for King2_36:

(Start: 18 @31374 has 25 MA's), (20, 31389), (23, 31428),

Gene: LeeroyJ_38 Start: 31644, Stop: 31880, Start Num: 18

Candidate Starts for LeeroyJ_38:

(Start: 18 @31644 has 25 MA's), (24, 31710), (28, 31803),

Gene: Martha_38 Start: 31592, Stop: 31813, Start Num: 18

Candidate Starts for Martha_38:

(Start: 18 @31592 has 25 MA's), (26, 31709), (27, 31733), (28, 31742),

Gene: NathanVaag_36 Start: 31408, Stop: 31620, Start Num: 18

Candidate Starts for NathanVaag_36:

(12, 31315), (Start: 18 @31408 has 25 MA's), (21, 31441), (26, 31516), (27, 31540),

Gene: Nostromo_36 Start: 30461, Stop: 30679, Start Num: 19

Candidate Starts for Nostromo_36:

(14, 30371), (16, 30443), (Start: 19 @30461 has 2 MA's), (27, 30593),

Gene: Piccoletto_36 Start: 31406, Stop: 31618, Start Num: 18

Candidate Starts for Piccoletto_36:

(Start: 18 @31406 has 25 MA's), (21, 31439), (26, 31514), (27, 31538),

Gene: Pippa_38 Start: 31747, Stop: 31968, Start Num: 18

Candidate Starts for Pippa_38:

(Start: 18 @31747 has 25 MA's), (26, 31864), (27, 31888), (28, 31897),

Gene: Shade_38 Start: 31674, Stop: 31895, Start Num: 18

Candidate Starts for Shade_38:

(Start: 18 @31674 has 25 MA's), (26, 31791), (27, 31815),

Gene: Sicarius2_40 Start: 31530, Stop: 31751, Start Num: 18

Candidate Starts for Sicarius2_40:

(Start: 18 @31530 has 25 MA's), (20, 31545), (23, 31593), (32, 31728),

Gene: Sonny_38 Start: 31706, Stop: 31918, Start Num: 18

Candidate Starts for Sonny_38:

(Start: 18 @31706 has 25 MA's), (28, 31844), (30, 31868),

Gene: StevieBAY_38 Start: 31655, Stop: 31888, Start Num: 18

Candidate Starts for StevieBAY_38:

(Start: 18 @31655 has 25 MA's), (24, 31721), (28, 31814),

Gene: TaeYoung_38 Start: 31592, Stop: 31813, Start Num: 18

Candidate Starts for TaeYoung_38:

(Start: 18 @31592 has 25 MA's), (26, 31709), (27, 31733), (28, 31742),

Gene: Timinator_38 Start: 31644, Stop: 31880, Start Num: 18

Candidate Starts for Timinator_38:

(Start: 18 @31644 has 25 MA's), (24, 31710), (28, 31803),

Gene: Wyborn_40 Start: 32147, Stop: 32365, Start Num: 18

Candidate Starts for Wyborn_40:

(17, 32141), (Start: 18 @32147 has 25 MA's), (20, 32162), (32, 32342),

Gene: Zartrosa_38 Start: 31604, Stop: 31825, Start Num: 18

Candidate Starts for Zartrosa_38:

(Start: 18 @31604 has 25 MA's), (26, 31721), (27, 31745), (28, 31754),