Pham 346038


1: EastWest_58
2: Brent_50 + 1
3: Jawnski_49
4: Piccoletto_50
5: Beans_50
6: NathanVaag_49
7: King2_49
8: LeeroyJ_52 + 1
9: Sicarius2_59 + 1
10: GravityBall_53 + 1
11: Shade_53
12: Jordan_53
13: Grekaycon_54
14: BigDome_53
15: Zartrosa_53 + 1
16: Martha_54
17: BossLady_55
18: TaeYoung_55
19: Sonny_52
20: Pippa_54
21: Timinator_53
22: Laure_8 + 1

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 346038 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346038 has 28 members, 2 are drafts.

Phages represented in each track:
- Track 1 : EastWest_58
- Track 2 : Brent_50, Franzy_50
- Track 3 : Jawnski_49
- Track 4 : Piccoletto_50
- Track 5 : Beans_50
- Track 6 : NathanVaag_49
- Track 7 : King2_49
- Track 8 : LeeroyJ_52, BarretLemon_52
- Track 9 : Sicarius2_59, Wyborn_59
- Track 10 : GravityBall_53, StevieBAY_53
- Track 11 : Shade_53
- Track 12 : Jordan_53
- Track 13 : Grekaycon_54
- Track 14 : BigDome_53
- Track 15 : Zartrosa_53, JKerns_53
- Track 16 : Martha_54
- Track 17 : BossLady_55
- Track 18 : TaeYoung_55
- Track 19 : Sonny_52
- Track 20 : Pippa_54
- Track 21 : Timinator_53
- Track 22 : Laure_8, Laure_326

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

The start number called the most often in the published annotations is 13, it was called in 21 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- BarretLemon_52, BigDome_53, BossLady_55, EastWest_58, GravityBall_53, Grekaycon_54, JKerns_53, Jawnski_49, Jordan_53, King2_49, Laure_326, Laure_8, LeeroyJ_52, Martha_54, Pippa_54, Shade_53, Sicarius2_59, Sonny_52, StevieBAY_53, TaeYoung_55, Timinator_53, Wyborn_59, Zartrosa_53,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Beans_50, Brent_50, Franzy_50, NathanVaag_49, Piccoletto_50,

Summary by start number:

Start 12:
• Found in 5 of 28 (17.9%) of genes in pham
• Manual Annotations of this start: 5 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beans_50 (AO1), Brent_50 (AO1), Franzy_50 (AO1), NathanVaag_49 (AO1), Piccoletto_50 (AO1),

Start 13:
• Found in 23 of 28 (82.1%) of genes in pham
• Manual Annotations of this start: 21 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarretLemon_52 (AO2), BigDome_53 (AO2), BossLady_55 (AO2), EastWest_58 (AO), GravityBall_53 (AO2), Grekaycon_54 (AO2), JKerns_53 (AO2), Jawnski_49 (AO1), Jordan_53 (AO2), King2_49 (AO1), Laure_326 (UNK), Laure_8 (UNK), LeeroyJ_52 (AO2), Martha_54 (AO2), Pippa_54 (AO2), Shade_53 (AO2), Sicarius2_59 (AO2), Sonny_52 (AO2), StevieBAY_53 (AO2), TaeYoung_55 (AO2), Timinator_53 (AO2), Wyborn_59 (AO2), Zartrosa_53 (AO2),

Summary by clusters:

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

Info for manual annotations of cluster AO:
•Start number 13 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO1:
•Start number 12 was manually annotated 5 times for cluster AO1.
•Start number 13 was manually annotated 2 times for cluster AO1.

Info for manual annotations of cluster AO2:
•Start number 13 was manually annotated 18 times for cluster AO2.

Gene Information:

Gene: BarretLemon_52 Start: 37854, Stop: 38150, Start Num: 13
Candidate Starts for BarretLemon_52:
(Start: 13 @37854 has 21 MA's), (22, 37977), (27, 38022),

Gene: Beans_50 Start: 37744, Stop: 38049, Start Num: 12
Candidate Starts for Beans_50:
(2, 37399), (5, 37477), (10, 37648), (Start: 12 @37744 has 5 MA's), (34, 37963), (38, 38017),

Gene: BigDome_53 Start: 38237, Stop: 38533, Start Num: 13
Candidate Starts for BigDome_53:
(Start: 13 @38237 has 21 MA's), (27, 38405),

Gene: BossLady_55 Start: 38508, Stop: 38804, Start Num: 13
Candidate Starts for BossLady_55:
(Start: 13 @38508 has 21 MA's), (16, 38553), (27, 38673),

Gene: Brent_50 Start: 38026, Stop: 38331, Start Num: 12
Candidate Starts for Brent_50:
(Start: 12 @38026 has 5 MA's), (34, 38245), (38, 38299),

Gene: EastWest_58 Start: 38271, Stop: 38570, Start Num: 13
Candidate Starts for EastWest_58:
(Start: 13 @38271 has 21 MA's), (18, 38343), (24, 38403), (29, 38436), (30, 38442), (39, 38538),

Gene: Franzy_50 Start: 38042, Stop: 38347, Start Num: 12
Candidate Starts for Franzy_50:
(Start: 12 @38042 has 5 MA's), (34, 38261), (38, 38315),

Gene: GravityBall_53 Start: 38308, Stop: 38601, Start Num: 13
Candidate Starts for GravityBall_53:
(6, 38149), (Start: 13 @38308 has 21 MA's), (14, 38338), (27, 38473), (37, 38566),

Gene: Grekaycon_54 Start: 38407, Stop: 38697, Start Num: 13
Candidate Starts for Grekaycon_54:
(Start: 13 @38407 has 21 MA's), (22, 38530), (27, 38572), (35, 38629), (37, 38662),

Gene: JKerns_53 Start: 38481, Stop: 38771, Start Num: 13
Candidate Starts for JKerns_53:
(4, 38190), (Start: 13 @38481 has 21 MA's), (27, 38646), (35, 38703),

Gene: Jawnski_49 Start: 37551, Stop: 37856, Start Num: 13
Candidate Starts for Jawnski_49:
(1, 37128), (3, 37224), (8, 37452), (Start: 13 @37551 has 21 MA's), (34, 37770), (38, 37824),

Gene: Jordan_53 Start: 38284, Stop: 38580, Start Num: 13
Candidate Starts for Jordan_53:
(4, 37993), (Start: 13 @38284 has 21 MA's), (27, 38449),

Gene: King2_49 Start: 37956, Stop: 38243, Start Num: 13
Candidate Starts for King2_49:
(Start: 13 @37956 has 21 MA's), (19, 38031), (27, 38121), (35, 38175), (37, 38208),

Gene: Laure_8 Start: 4385, Stop: 4672, Start Num: 13
Candidate Starts for Laure_8:
(Start: 13 @4385 has 21 MA's), (15, 4418), (20, 4481), (21, 4514), (27, 4562), (34, 4619), (36, 4667),

Gene: Laure_326 Start: 172733, Stop: 173020, Start Num: 13
Candidate Starts for Laure_326:
(Start: 13 @172733 has 21 MA's), (15, 172766), (20, 172829), (21, 172862), (27, 172910), (34, 172967), (36, 173015),

Gene: LeeroyJ_52 Start: 37883, Stop: 38179, Start Num: 13
Candidate Starts for LeeroyJ_52:
(Start: 13 @37883 has 21 MA's), (22, 38006), (27, 38051),

Gene: Martha_54 Start: 38509, Stop: 38799, Start Num: 13
Candidate Starts for Martha_54:
(Start: 13 @38509 has 21 MA's), (22, 38632), (27, 38674), (35, 38731), (37, 38764),

Gene: NathanVaag_49 Start: 37569, Stop: 37871, Start Num: 12
Candidate Starts for NathanVaag_49:
(7, 37446), (11, 37491), (Start: 12 @37569 has 5 MA's), (26, 37722), (28, 37740), (31, 37761), (32, 37767), (38, 37842),

Gene: Piccoletto_50 Start: 37761, Stop: 38066, Start Num: 12
Candidate Starts for Piccoletto_50:
(11, 37683), (Start: 12 @37761 has 5 MA's), (25, 37902), (34, 37980), (38, 38034),

Gene: Pippa_54 Start: 38395, Stop: 38691, Start Num: 13
Candidate Starts for Pippa_54:
(8, 38287), (Start: 13 @38395 has 21 MA's), (27, 38560), (33, 38596), (35, 38623), (37, 38656),

Gene: Shade_53 Start: 38209, Stop: 38505, Start Num: 13
Candidate Starts for Shade_53:
(4, 37918), (9, 38116), (Start: 13 @38209 has 21 MA's), (27, 38374),

Gene: Sicarius2_59 Start: 39034, Stop: 39351, Start Num: 13
Candidate Starts for Sicarius2_59:
(Start: 13 @39034 has 21 MA's), (17, 39085), (23, 39160), (40, 39328),

Gene: Sonny_52 Start: 37959, Stop: 38249, Start Num: 13
Candidate Starts for Sonny_52:
(Start: 13 @37959 has 21 MA's), (27, 38124), (35, 38181),

Gene: StevieBAY_53 Start: 38305, Stop: 38598, Start Num: 13
Candidate Starts for StevieBAY_53:
(6, 38146), (Start: 13 @38305 has 21 MA's), (14, 38335), (27, 38470), (37, 38563),

Gene: TaeYoung_55 Start: 38476, Stop: 38772, Start Num: 13
Candidate Starts for TaeYoung_55:
(Start: 13 @38476 has 21 MA's), (27, 38641),

Gene: Timinator_53 Start: 38174, Stop: 38467, Start Num: 13
Candidate Starts for Timinator_53:
(Start: 13 @38174 has 21 MA's), (27, 38339),

Gene: Wyborn_59 Start: 40044, Stop: 40361, Start Num: 13
Candidate Starts for Wyborn_59:
(Start: 13 @40044 has 21 MA's), (17, 40095), (23, 40170), (40, 40338),

Gene: Zartrosa_53 Start: 38260, Stop: 38550, Start Num: 13
Candidate Starts for Zartrosa_53:
(4, 37969), (Start: 13 @38260 has 21 MA's), (27, 38425), (35, 38482),