

Pham 291606



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 291606 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291606 has 17 members, 1 are drafts.

Phages represented in each track:

- Track 1 : EastWest_47
- Track 2 : LeeroyJ_47, BigDome_47, BarretLemon_47
- Track 3 : Grekaycon_47
- Track 4 : Pippa_49
- Track 5 : GravityBall_47
- Track 6 : StevieBAY_47
- Track 7 : Jordan_47
- Track 8 : JKerns_47
- Track 9 : BossLady_48, TaeYoung_48
- Track 10 : Zartrosa_47
- Track 11 : Timinator_47
- Track 12 : Sonny_47
- Track 13 : Abba_63
- Track 14 : Nostromo_63

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

The start number called the most often in the published annotations is 8, it was called in 13 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarretLemon_47, BigDome_47, BossLady_48, GravityBall_47, Grekaycon_47, JKerns_47, Jordan_47, LeeroyJ_47, Pippa_49, Sonny_47, StevieBAY_47, TaeYoung_48, Timinator_47, Zartrosa_47,

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:

- Abba_63, EastWest_47, Nostromo_63,

Summary by start number:

Start 7:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EastWest_47 (AO),

Start 8:

- Found in 14 of 17 (82.4%) of genes in pham
- Manual Annotations of this start: 13 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BarretLemon_47 (AO2), BigDome_47 (AO2), BossLady_48 (AO2), GravityBall_47 (AO2), Grekaycon_47 (AO2), JKerns_47 (AO2), Jordan_47 (AO2), LeeroyJ_47 (AO2), Pippa_49 (AO2), Sonny_47 (AO2), StevieBAY_47 (AO2), TaeYoung_48 (AO2), Timinator_47 (AO2), Zartrosa_47 (AO2),

Start 9:

- Found in 2 of 17 (11.8%) of genes in pham
- Manual Annotations of this start: 2 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abba_63 (AO3), Nostromo_63 (AO3),

Summary by clusters:

There are 3 clusters represented in this pham: AO3, AO2, AO,

Info for manual annotations of cluster AO:

- Start number 7 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO2:

- Start number 8 was manually annotated 13 times for cluster AO2.

Info for manual annotations of cluster AO3:

- Start number 9 was manually annotated 2 times for cluster AO3.

Gene Information:

Gene: Abba_63 Start: 40699, Stop: 40992, Start Num: 9

Candidate Starts for Abba_63:

(Start: 9 @40699 has 2 MA's), (16, 40813), (17, 40834), (19, 40855), (28, 40984),

Gene: BarretLemon_47 Start: 36189, Stop: 36578, Start Num: 8

Candidate Starts for BarretLemon_47:

(4, 36045), (Start: 8 @36189 has 13 MA's), (10, 36198), (13, 36261), (27, 36492),

Gene: BigDome_47 Start: 36213, Stop: 36602, Start Num: 8

Candidate Starts for BigDome_47:

(4, 36069), (Start: 8 @36213 has 13 MA's), (10, 36222), (13, 36285), (27, 36516),

Gene: BossLady_48 Start: 36316, Stop: 36657, Start Num: 8

Candidate Starts for BossLady_48:

(5, 36211), (Start: 8 @36316 has 13 MA's), (11, 36364), (19, 36490),

Gene: EastWest_47 Start: 34992, Stop: 35213, Start Num: 7
Candidate Starts for EastWest_47:
(Start: 7 @34992 has 1 MA's), (12, 35052), (15, 35103), (21, 35193),

Gene: GravityBall_47 Start: 36285, Stop: 36674, Start Num: 8
Candidate Starts for GravityBall_47:
(4, 36138), (Start: 8 @36285 has 13 MA's), (10, 36294), (13, 36357), (27, 36588), (30, 36621),

Gene: Grekaycon_47 Start: 36212, Stop: 36553, Start Num: 8
Candidate Starts for Grekaycon_47:
(Start: 8 @36212 has 13 MA's), (11, 36260), (19, 36386),

Gene: JKerns_47 Start: 36354, Stop: 36812, Start Num: 8
Candidate Starts for JKerns_47:
(1, 36138), (Start: 8 @36354 has 13 MA's), (23, 36666), (26, 36702),

Gene: Jordan_47 Start: 36244, Stop: 36639, Start Num: 8
Candidate Starts for Jordan_47:
(1, 36028), (2, 36085), (3, 36094), (Start: 8 @36244 has 13 MA's), (13, 36316), (20, 36454), (22, 36469), (25, 36514), (26, 36535), (31, 36589),

Gene: LeeroyJ_47 Start: 36218, Stop: 36607, Start Num: 8
Candidate Starts for LeeroyJ_47:
(4, 36074), (Start: 8 @36218 has 13 MA's), (10, 36227), (13, 36290), (27, 36521),

Gene: Nostromo_63 Start: 41486, Stop: 41788, Start Num: 9
Candidate Starts for Nostromo_63:
(6, 41426), (Start: 9 @41486 has 2 MA's), (14, 41585), (19, 41645), (24, 41729),

Gene: Pippa_49 Start: 36611, Stop: 36919, Start Num: 8
Candidate Starts for Pippa_49:
(Start: 8 @36611 has 13 MA's), (11, 36659), (18, 36770), (19, 36785),

Gene: Sonny_47 Start: 36253, Stop: 36651, Start Num: 8
Candidate Starts for Sonny_47:
(1, 36037), (Start: 8 @36253 has 13 MA's), (18, 36412), (26, 36541),

Gene: StevieBAY_47 Start: 36282, Stop: 36671, Start Num: 8
Candidate Starts for StevieBAY_47:
(4, 36138), (Start: 8 @36282 has 13 MA's), (10, 36291), (13, 36354), (27, 36585), (30, 36618),

Gene: TaeYoung_48 Start: 36284, Stop: 36625, Start Num: 8
Candidate Starts for TaeYoung_48:
(5, 36179), (Start: 8 @36284 has 13 MA's), (11, 36332), (19, 36458),

Gene: Timinator_47 Start: 36218, Stop: 36538, Start Num: 8
Candidate Starts for Timinator_47:
(4, 36074), (Start: 8 @36218 has 13 MA's), (10, 36227), (13, 36290),

Gene: Zartrosa_47 Start: 36307, Stop: 36615, Start Num: 8
Candidate Starts for Zartrosa_47:
(1, 36091), (Start: 8 @36307 has 13 MA's), (11, 36355), (19, 36481), (29, 36565),