



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 309404 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309404 has 18 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Beans_58
- Track 2 : Piccoletto_58
- Track 3 : NathanVaag_57
- Track 4 : GravityBall_61, LeeroyJ_61, Timinator_61, StevieBAY_61, BarretLemon_61
- Track 5 : Sonny_60, BossLady_63, Shade_61, Grekaycon_62, Zartrosa_61
- Track 6 : Pippa_62
- Track 7 : BigDome_61
- Track 8 : JKerns_61
- Track 9 : Sicarius2_63
- Track 10 : Wyborn_62

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

The start number called the most often in the published annotations is 1, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarretLemon_61, Beans_58, BigDome_61, BossLady_63, GravityBall_61, Grekaycon_62, JKerns_61, LeeroyJ_61, NathanVaag_57, Piccoletto_58, Pippa_62, Shade_61, Sicarius2_63, Sonny_60, StevieBAY_61, Timinator_61, Wyborn_62, Zartrosa_61,

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 1:

- Found in 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 18

- Called 100.0% of time when present
- Phage (with cluster) where this start called: BarretLemon_61 (AO2), Beans_58 (AO1), BigDome_61 (AO2), BossLady_63 (AO2), GravityBall_61 (AO2), Grekaycon_62 (AO2), JKerns_61 (AO2), LeeroyJ_61 (AO2), NathanVaag_57 (AO1), Piccoletto_58 (AO1), Pippa_62 (AO2), Shade_61 (AO2), Sicarius2_63 (AO2), Sonny_60 (AO2), StevieBAY_61 (AO2), Timinator_61 (AO2), Wyborn_62 (AO2), Zartrosa_61 (AO2),

Summary by clusters:

There are 2 clusters represented in this pham: AO2, AO1,

Info for manual annotations of cluster AO1:

- Start number 1 was manually annotated 3 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 1 was manually annotated 15 times for cluster AO2.

Gene Information:

Gene: BarretLemon_61 Start: 41208, Stop: 41414, Start Num: 1

Candidate Starts for BarretLemon_61:

(Start: 1 @41208 has 18 MA's), (3, 41244), (5, 41268), (11, 41331), (13, 41361), (14, 41382),

Gene: Beans_58 Start: 40957, Stop: 41157, Start Num: 1

Candidate Starts for Beans_58:

(Start: 1 @40957 has 18 MA's), (2, 40975), (4, 41002),

Gene: BigDome_61 Start: 41429, Stop: 41635, Start Num: 1

Candidate Starts for BigDome_61:

(Start: 1 @41429 has 18 MA's), (3, 41465), (5, 41489), (11, 41552), (13, 41582), (14, 41603),

Gene: BossLady_63 Start: 41589, Stop: 41783, Start Num: 1

Candidate Starts for BossLady_63:

(Start: 1 @41589 has 18 MA's), (10, 41694), (12, 41736),

Gene: GravityBall_61 Start: 41508, Stop: 41714, Start Num: 1

Candidate Starts for GravityBall_61:

(Start: 1 @41508 has 18 MA's), (3, 41544), (5, 41568), (11, 41631), (13, 41661), (14, 41682),

Gene: Grekaycon_62 Start: 41468, Stop: 41662, Start Num: 1

Candidate Starts for Grekaycon_62:

(Start: 1 @41468 has 18 MA's), (10, 41573), (12, 41615),

Gene: JKerns_61 Start: 41535, Stop: 41729, Start Num: 1

Candidate Starts for JKerns_61:

(Start: 1 @41535 has 18 MA's), (4, 41574), (7, 41607), (9, 41631), (10, 41640), (12, 41682),

Gene: LeeroyJ_61 Start: 41237, Stop: 41443, Start Num: 1

Candidate Starts for LeeroyJ_61:

(Start: 1 @41237 has 18 MA's), (3, 41273), (5, 41297), (11, 41360), (13, 41390), (14, 41411),

Gene: NathanVaag_57 Start: 40737, Stop: 40940, Start Num: 1
Candidate Starts for NathanVaag_57:
(Start: 1 @40737 has 18 MA's), (4, 40785), (8, 40821), (11, 40869),

Gene: Piccoletto_58 Start: 40930, Stop: 41124, Start Num: 1
Candidate Starts for Piccoletto_58:
(Start: 1 @40930 has 18 MA's), (4, 40969), (8, 41005),

Gene: Pippa_62 Start: 41545, Stop: 41739, Start Num: 1
Candidate Starts for Pippa_62:
(Start: 1 @41545 has 18 MA's), (10, 41650),

Gene: Shade_61 Start: 41271, Stop: 41465, Start Num: 1
Candidate Starts for Shade_61:
(Start: 1 @41271 has 18 MA's), (10, 41376), (12, 41418),

Gene: Sicarius2_63 Start: 40226, Stop: 40423, Start Num: 1
Candidate Starts for Sicarius2_63:
(Start: 1 @40226 has 18 MA's), (6, 40289), (11, 40346),

Gene: Sonny_60 Start: 41020, Stop: 41214, Start Num: 1
Candidate Starts for Sonny_60:
(Start: 1 @41020 has 18 MA's), (10, 41125), (12, 41167),

Gene: StevieBAY_61 Start: 41501, Stop: 41707, Start Num: 1
Candidate Starts for StevieBAY_61:
(Start: 1 @41501 has 18 MA's), (3, 41537), (5, 41561), (11, 41624), (13, 41654), (14, 41675),

Gene: Timinator_61 Start: 41350, Stop: 41556, Start Num: 1
Candidate Starts for Timinator_61:
(Start: 1 @41350 has 18 MA's), (3, 41386), (5, 41410), (11, 41473), (13, 41503), (14, 41524),

Gene: Wyborn_62 Start: 40943, Stop: 41140, Start Num: 1
Candidate Starts for Wyborn_62:
(Start: 1 @40943 has 18 MA's), (11, 41063),

Gene: Zartrosa_61 Start: 41318, Stop: 41512, Start Num: 1
Candidate Starts for Zartrosa_61:
(Start: 1 @41318 has 18 MA's), (10, 41423), (12, 41465),