



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 284132 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284132 has 25 members, 11 are drafts.

Phages represented in each track:

- Track 1 : Nicholasp3_81, Crossroads_81, Lynnae_83, SoJulia_83, Soap141_81, BobsGarage_81, Loadrie_80, Netyap_82, BigCheese_81, Sarshaun_82, Gabriela_80, Underpass_72, DrSeegs_81, GuuelaD_79, OverPar_83, Lewan_82
- Track 2 : LilDestine_80, Vetrix_80
- Track 3 : ZhongYanYuan_78, DHan_84, Hafay_82, Wigglewiggle_80
- Track 4 : DanBing_81, Baoshan_78
- Track 5 : Rossetti_82

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Baoshan_78, BigCheese_81, BobsGarage_81, Crossroads_81, DHan_84, DanBing_81, DrSeegs_81, Gabriela_80, GuuelaD_79, Hafay_82, Lewan_82, LilDestine_80, Loadrie_80, Lynnae_83, Netyap_82, Nicholasp3_81, OverPar_83, Sarshaun_82, SoJulia_83, Soap141_81, Underpass_72, Vetrix_80, Wigglewiggle_80, ZhongYanYuan_78,

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:

- Rossetti_82,

Summary by start number:

Start 2:

- Found in 24 of 25 (96.0%) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Baoshan_78 (L2), BigCheese_81 (L2), BobsGarage_81 (L2), Crossroads_81 (L2), DHan_84 (L2), DanBing_81 (L2),

DrSeegs_81 (L2), Gabriela_80 (L2), GuuelaD_79 (L2), Hafay_82 (L2), Lewan_82 (L2), LilDestine_80 (L2), Loadrie_80 (L2), Lynnae_83 (L2), Netyap_82 (L2), Nicholasp3_81 (L2), OverPar_83 (L2), Sarshaun_82 (L2), SoJulia_83 (L2), Soap141_81 (L2), Underpass_72 (L2), Vetrix_80 (L2), Wigglewiggler_80 (L2), ZhongYanYuan_78 (L2),

Start 3:

- Found in 25 of 25 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 4.0% of time when present
- Phage (with cluster) where this start called: Rossetti_82 (L2),

Summary by clusters:

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2:

- Start number 2 was manually annotated 14 times for cluster L2.

Gene Information:

Gene: Baoshan_78 Start: 53848, Stop: 54084, Start Num: 2

Candidate Starts for Baoshan_78:

(1, 53788), (Start: 2 @53848 has 14 MA's), (3, 53893), (4, 53905), (5, 53941), (6, 53983),

Gene: BigCheese_81 Start: 53978, Stop: 54214, Start Num: 2

Candidate Starts for BigCheese_81:

(1, 53918), (Start: 2 @53978 has 14 MA's), (3, 54023), (4, 54035), (5, 54071), (7, 54125), (8, 54128),

Gene: BobsGarage_81 Start: 53978, Stop: 54214, Start Num: 2

Candidate Starts for BobsGarage_81:

(1, 53918), (Start: 2 @53978 has 14 MA's), (3, 54023), (4, 54035), (5, 54071), (7, 54125), (8, 54128),

Gene: Crossroads_81 Start: 54053, Stop: 54289, Start Num: 2

Candidate Starts for Crossroads_81:

(1, 53993), (Start: 2 @54053 has 14 MA's), (3, 54098), (4, 54110), (5, 54146), (7, 54200), (8, 54203),

Gene: DHan_84 Start: 54131, Stop: 54367, Start Num: 2

Candidate Starts for DHan_84:

(1, 54071), (Start: 2 @54131 has 14 MA's), (3, 54176), (4, 54188), (5, 54224), (6, 54266), (7, 54278), (8, 54281),

Gene: DanBing_81 Start: 53783, Stop: 54019, Start Num: 2

Candidate Starts for DanBing_81:

(1, 53723), (Start: 2 @53783 has 14 MA's), (3, 53828), (4, 53840), (5, 53876), (6, 53918),

Gene: DrSeegs_81 Start: 53978, Stop: 54214, Start Num: 2

Candidate Starts for DrSeegs_81:

(1, 53918), (Start: 2 @53978 has 14 MA's), (3, 54023), (4, 54035), (5, 54071), (7, 54125), (8, 54128),

Gene: Gabriela_80 Start: 53324, Stop: 53560, Start Num: 2

Candidate Starts for Gabriela_80:

(1, 53264), (Start: 2 @53324 has 14 MA's), (3, 53369), (4, 53381), (5, 53417), (7, 53471), (8, 53474),

Gene: GuuelaD_79 Start: 54093, Stop: 54329, Start Num: 2

Candidate Starts for GuuelaD_79:

(1, 54033), (Start: 2 @54093 has 14 MA's), (3, 54138), (4, 54150), (5, 54186), (7, 54240), (8, 54243),

Gene: Hafay_82 Start: 53908, Stop: 54144, Start Num: 2

Candidate Starts for Hafay_82:

(1, 53848), (Start: 2 @53908 has 14 MA's), (3, 53953), (4, 53965), (5, 54001), (6, 54043), (7, 54055), (8, 54058),

Gene: Lewan_82 Start: 54036, Stop: 54272, Start Num: 2

Candidate Starts for Lewan_82:

(1, 53976), (Start: 2 @54036 has 14 MA's), (3, 54081), (4, 54093), (5, 54129), (7, 54183), (8, 54186),

Gene: LilDestine_80 Start: 53888, Stop: 54124, Start Num: 2

Candidate Starts for LilDestine_80:

(1, 53828), (Start: 2 @53888 has 14 MA's), (3, 53933), (4, 53945), (5, 53981), (8, 54038),

Gene: Loadrie_80 Start: 54063, Stop: 54299, Start Num: 2

Candidate Starts for Loadrie_80:

(1, 54003), (Start: 2 @54063 has 14 MA's), (3, 54108), (4, 54120), (5, 54156), (7, 54210), (8, 54213),

Gene: Lynnae_83 Start: 53996, Stop: 54232, Start Num: 2

Candidate Starts for Lynnae_83:

(1, 53936), (Start: 2 @53996 has 14 MA's), (3, 54041), (4, 54053), (5, 54089), (7, 54143), (8, 54146),

Gene: Netyap_82 Start: 53979, Stop: 54215, Start Num: 2

Candidate Starts for Netyap_82:

(1, 53919), (Start: 2 @53979 has 14 MA's), (3, 54024), (4, 54036), (5, 54072), (7, 54126), (8, 54129),

Gene: Nicholasp3_81 Start: 53813, Stop: 54049, Start Num: 2

Candidate Starts for Nicholasp3_81:

(1, 53753), (Start: 2 @53813 has 14 MA's), (3, 53858), (4, 53870), (5, 53906), (7, 53960), (8, 53963),

Gene: OverPar_83 Start: 54063, Stop: 54299, Start Num: 2

Candidate Starts for OverPar_83:

(1, 54003), (Start: 2 @54063 has 14 MA's), (3, 54108), (4, 54120), (5, 54156), (7, 54210), (8, 54213),

Gene: Rossetti_82 Start: 54432, Stop: 54623, Start Num: 3

Candidate Starts for Rossetti_82:

(1, 54327), (3, 54432), (4, 54444), (5, 54480), (8, 54537),

Gene: Sarshaun_82 Start: 54071, Stop: 54307, Start Num: 2

Candidate Starts for Sarshaun_82:

(1, 54011), (Start: 2 @54071 has 14 MA's), (3, 54116), (4, 54128), (5, 54164), (7, 54218), (8, 54221),

Gene: SoJulia_83 Start: 55139, Stop: 55375, Start Num: 2

Candidate Starts for SoJulia_83:

(1, 55079), (Start: 2 @55139 has 14 MA's), (3, 55184), (4, 55196), (5, 55232), (7, 55286), (8, 55289),

Gene: Soap141_81 Start: 54071, Stop: 54307, Start Num: 2

Candidate Starts for Soap141_81:

(1, 54011), (Start: 2 @54071 has 14 MA's), (3, 54116), (4, 54128), (5, 54164), (7, 54218), (8, 54221),

Gene: Underpass_72 Start: 48849, Stop: 49085, Start Num: 2

Candidate Starts for Underpass_72:

(1, 48789), (Start: 2 @48849 has 14 MA's), (3, 48894), (4, 48906), (5, 48942), (7, 48996), (8, 48999),

Gene: Vetrix_80 Start: 53895, Stop: 54131, Start Num: 2

Candidate Starts for Vetrix_80:

(1, 53835), (Start: 2 @53895 has 14 MA's), (3, 53940), (4, 53952), (5, 53988), (8, 54045),

Gene: Wigglewigggle_80 Start: 53840, Stop: 54076, Start Num: 2

Candidate Starts for Wigglewigggle_80:

(1, 53780), (Start: 2 @53840 has 14 MA's), (3, 53885), (4, 53897), (5, 53933), (6, 53975), (7, 53987),
(8, 53990),

Gene: ZhongYanYuan_78 Start: 53431, Stop: 53667, Start Num: 2

Candidate Starts for ZhongYanYuan_78:

(1, 53371), (Start: 2 @53431 has 14 MA's), (3, 53476), (4, 53488), (5, 53524), (6, 53566), (7, 53578),
(8, 53581),