



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 254307 Report

This analysis was run 02/07/26 on database version 634.

Pham number 254307 has 30 members, 1 are drafts.

Phages represented in each track:

- Track 1 : DaviePasture_59, Avian_58, Alyssamiracle_62, Lila22_60, Lambo_57, RazorC_59, Ranch_59, Astralis_59, Genamy16_62, NovaSharks_61, Rumi_60, Mima20_59, Charminar_59
- Track 2 : Gibbin_61, GOATification_59, Alephilan_59, Yikes_61, Patos_62, Fulcrum_59, NorManre_62, ParvusTarda_58, BirthdayBoy_61
- Track 3 : OtterstedtS21_59, Sadboi_60, MoiGyank_62, DoobyDoo_58, GretelLyn_59
- Track 4 : DumpTruck_57
- Track 5 : Erutan_59
- Track 6 : Xenia2_57

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 29 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alephilan_59, Alyssamiracle_62, Astralis_59, Avian_58, BirthdayBoy_61, Charminar_59, DaviePasture_59, DoobyDoo_58, DumpTruck_57, Erutan_59, Fulcrum_59, GOATification_59, Genamy16_62, Gibbin_61, GretelLyn_59, Lambo_57, Lila22_60, Mima20_59, MoiGyank_62, NorManre_62, NovaSharks_61, OtterstedtS21_59, ParvusTarda_58, Patos_62, Ranch_59, RazorC_59, Rumi_60, Sadboi_60, Xenia2_57, Yikes_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 2:

- Found in 30 of 30 (100.0%) of genes in pham

- Manual Annotations of this start: 29 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alephilan_59 (DV), Alyssamiracle_62 (DV), Astralis_59 (DV), Avian_58 (DV), BirthdayBoy_61 (DV), Charminar_59 (DV), DaviePasture_59 (DV), DoobyDoo_58 (DV), DumpTruck_57 (DV), Erutan_59 (DV), Fulcrum_59 (DV), GOATification_59 (DV), Genamy16_62 (DV), Gibbin_61 (DV), GretelLyn_59 (DV), Lambo_57 (DV), Lila22_60 (DV), Mima20_59 (DV), MoiGyank_62 (DV), NorManre_62 (DV), NovaSharks_61 (DV), OtterstedtS21_59 (DV), ParvusTarda_58 (DV), Patos_62 (DV), Ranch_59 (DV), RazorC_59 (DV), Rumi_60 (DV), Sadboi_60 (DV), Xenia2_57 (DV), Yikes_61 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:

- Start number 2 was manually annotated 29 times for cluster DV.

Gene Information:

Gene: Alephilan_59 Start: 40571, Stop: 40747, Start Num: 2

Candidate Starts for Alephilan_59:

(Start: 2 @40571 has 29 MA's), (4, 40634), (5, 40694), (6, 40718),

Gene: Alyssamiracle_62 Start: 39704, Stop: 39853, Start Num: 2

Candidate Starts for Alyssamiracle_62:

(Start: 2 @39704 has 29 MA's), (3, 39758), (5, 39800), (6, 39824),

Gene: Astralis_59 Start: 39282, Stop: 39431, Start Num: 2

Candidate Starts for Astralis_59:

(Start: 2 @39282 has 29 MA's), (3, 39336), (5, 39378), (6, 39402),

Gene: Avian_58 Start: 39432, Stop: 39581, Start Num: 2

Candidate Starts for Avian_58:

(Start: 2 @39432 has 29 MA's), (3, 39486), (5, 39528), (6, 39552),

Gene: BirthdayBoy_61 Start: 40989, Stop: 41165, Start Num: 2

Candidate Starts for BirthdayBoy_61:

(Start: 2 @40989 has 29 MA's), (4, 41052), (5, 41112), (6, 41136),

Gene: Charminar_59 Start: 39050, Stop: 39199, Start Num: 2

Candidate Starts for Charminar_59:

(Start: 2 @39050 has 29 MA's), (3, 39104), (5, 39146), (6, 39170),

Gene: DaviePasture_59 Start: 40624, Stop: 40773, Start Num: 2

Candidate Starts for DaviePasture_59:

(Start: 2 @40624 has 29 MA's), (3, 40678), (5, 40720), (6, 40744),

Gene: DoobyDoo_58 Start: 39646, Stop: 39795, Start Num: 2

Candidate Starts for DoobyDoo_58:

(Start: 2 @39646 has 29 MA's), (3, 39700), (4, 39709), (5, 39742), (6, 39766),

Gene: DumpTruck_57 Start: 39119, Stop: 39271, Start Num: 2
Candidate Starts for DumpTruck_57:
(1, 39116), (Start: 2 @39119 has 29 MA's), (5, 39215), (6, 39239),

Gene: Erutan_59 Start: 40269, Stop: 40445, Start Num: 2
Candidate Starts for Erutan_59:
(Start: 2 @40269 has 29 MA's), (4, 40332), (5, 40392), (6, 40416),

Gene: Fulcrum_59 Start: 40285, Stop: 40461, Start Num: 2
Candidate Starts for Fulcrum_59:
(Start: 2 @40285 has 29 MA's), (4, 40348), (5, 40408), (6, 40432),

Gene: GOATification_59 Start: 40285, Stop: 40461, Start Num: 2
Candidate Starts for GOATification_59:
(Start: 2 @40285 has 29 MA's), (4, 40348), (5, 40408), (6, 40432),

Gene: Genamy16_62 Start: 39690, Stop: 39839, Start Num: 2
Candidate Starts for Genamy16_62:
(Start: 2 @39690 has 29 MA's), (3, 39744), (5, 39786), (6, 39810),

Gene: Gibbin_61 Start: 41094, Stop: 41270, Start Num: 2
Candidate Starts for Gibbin_61:
(Start: 2 @41094 has 29 MA's), (4, 41157), (5, 41217), (6, 41241),

Gene: GretelLyn_59 Start: 41168, Stop: 41317, Start Num: 2
Candidate Starts for GretelLyn_59:
(Start: 2 @41168 has 29 MA's), (3, 41222), (4, 41231), (5, 41264), (6, 41288),

Gene: Lambo_57 Start: 40122, Stop: 40271, Start Num: 2
Candidate Starts for Lambo_57:
(Start: 2 @40122 has 29 MA's), (3, 40176), (5, 40218), (6, 40242),

Gene: Lila22_60 Start: 41073, Stop: 41222, Start Num: 2
Candidate Starts for Lila22_60:
(Start: 2 @41073 has 29 MA's), (3, 41127), (5, 41169), (6, 41193),

Gene: Mima20_59 Start: 40676, Stop: 40825, Start Num: 2
Candidate Starts for Mima20_59:
(Start: 2 @40676 has 29 MA's), (3, 40730), (5, 40772), (6, 40796),

Gene: MoiGyank_62 Start: 41449, Stop: 41598, Start Num: 2
Candidate Starts for MoiGyank_62:
(Start: 2 @41449 has 29 MA's), (3, 41503), (4, 41512), (5, 41545), (6, 41569),

Gene: NorManre_62 Start: 40806, Stop: 40982, Start Num: 2
Candidate Starts for NorManre_62:
(Start: 2 @40806 has 29 MA's), (4, 40869), (5, 40929), (6, 40953),

Gene: NovaSharks_61 Start: 39281, Stop: 39430, Start Num: 2
Candidate Starts for NovaSharks_61:
(Start: 2 @39281 has 29 MA's), (3, 39335), (5, 39377), (6, 39401),

Gene: OtterstedtS21_59 Start: 40455, Stop: 40604, Start Num: 2
Candidate Starts for OtterstedtS21_59:
(Start: 2 @40455 has 29 MA's), (3, 40509), (4, 40518), (5, 40551), (6, 40575),

Gene: ParvusTarda_58 Start: 39803, Stop: 39979, Start Num: 2
Candidate Starts for ParvusTarda_58:
(Start: 2 @39803 has 29 MA's), (4, 39866), (5, 39926), (6, 39950),

Gene: Patos_62 Start: 40805, Stop: 40981, Start Num: 2
Candidate Starts for Patos_62:
(Start: 2 @40805 has 29 MA's), (4, 40868), (5, 40928), (6, 40952),

Gene: Ranch_59 Start: 39287, Stop: 39436, Start Num: 2
Candidate Starts for Ranch_59:
(Start: 2 @39287 has 29 MA's), (3, 39341), (5, 39383), (6, 39407),

Gene: RazorC_59 Start: 39434, Stop: 39583, Start Num: 2
Candidate Starts for RazorC_59:
(Start: 2 @39434 has 29 MA's), (3, 39488), (5, 39530), (6, 39554),

Gene: Rumi_60 Start: 38978, Stop: 39127, Start Num: 2
Candidate Starts for Rumi_60:
(Start: 2 @38978 has 29 MA's), (3, 39032), (5, 39074), (6, 39098),

Gene: Sadboi_60 Start: 41169, Stop: 41318, Start Num: 2
Candidate Starts for Sadboi_60:
(Start: 2 @41169 has 29 MA's), (3, 41223), (4, 41232), (5, 41265), (6, 41289),

Gene: Xenia2_57 Start: 38866, Stop: 39018, Start Num: 2
Candidate Starts for Xenia2_57:
(1, 38863), (Start: 2 @38866 has 29 MA's), (5, 38962), (6, 38986),

Gene: Yikes_61 Start: 41580, Stop: 41756, Start Num: 2
Candidate Starts for Yikes_61:
(Start: 2 @41580 has 29 MA's), (4, 41643), (5, 41703), (6, 41727),