Pham 216624


1
2
3
4
5
6
1: CactusRose_90 + 4
2
4
5
2: Chanagan_82
1
2
4
5
6
3: NEHalo_82 + 5
1
2
4
5
4: BaconJack_89 + 2
1
2
3
4
5
5: Briton15_88
1
2
4
5
6: DreamCatcher_89
1
2
4
7: Arlo_86

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 216624 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216624 has 18 members, 0 are drafts.

Phages represented in each track:
• Track 1 : CactusRose_90, Gyzlar_76, HarryOW_85, Dynamix_84, Paphu_81
• Track 2 : Chanagan_82
• Track 3 : NEHalo_82, Payneful_73, Rajelicia_86, Snazzy_86, KyMonks1A_91, Ohno789_89
• Track 4 : BaconJack_89, Sorpresa_85, Sibs6_88
• Track 5 : Briton15_88
• Track 6 : DreamCatcher_89
• Track 7 : Arlo_86

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 16 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arlo_86, BaconJack_89, Briton15_88, CactusRose_90, Dynamix_84, Gyzlar_76, HarryOW_85, KyMonks1A_91, NEHalo_82, Ohno789_89, Paphu_81, Payneful_73, Rajelicia_86, Sibs6_88, Snazzy_86, Sorpresa_85,

Genes that have the "Most Annotated" start but do not call it:
• DreamCatcher_89,

Genes that do not have the "Most Annotated" start:
• Chanagan_82,

Summary by start number:

Start 1:
• Found in 17 of 18 (94.4%) of genes in pham
• Manual Annotations of this start: 16 of 18
• Called 94.1% of time when present
• Phage (with cluster) where this start called: Arlo_86 (A1), BaconJack_89 (A1), Briton15_88 (A1), CactusRose_90 (A1), Dynamix_84 (A1), Gyzlar_76 (A1), HarryOW_85 (A1), KyMonks1A_91 (A1), NEHalo_82 (A1), Ohno789_89 (A1),

Paphu_81 (A1), Payneful_73 (A1), Rajelicia_86 (A1), Sibs6_88 (A1), Snazzy_86 (A1), Sorpresa_85 (A1),

Start 2:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Chanagan_82 (A1), DreamCatcher_89 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 16 times for cluster A1.
•Start number 2 was manually annotated 2 times for cluster A1.

Gene Information:

Gene: Arlo_86 Start: 49278, Stop: 49123, Start Num: 1
Candidate Starts for Arlo_86:
(Start: 1 @49278 has 16 MA's), (Start: 2 @49251 has 2 MA's), (4, 49224),

Gene: BaconJack_89 Start: 51009, Stop: 50845, Start Num: 1
Candidate Starts for BaconJack_89:
(Start: 1 @51009 has 16 MA's), (Start: 2 @50982 has 2 MA's), (4, 50955), (5, 50865),

Gene: Briton15_88 Start: 49944, Stop: 49768, Start Num: 1
Candidate Starts for Briton15_88:
(Start: 1 @49944 has 16 MA's), (Start: 2 @49917 has 2 MA's), (3, 49896), (4, 49890), (5, 49800),

Gene: CactusRose_90 Start: 49994, Stop: 49821, Start Num: 1
Candidate Starts for CactusRose_90:
(Start: 1 @49994 has 16 MA's), (Start: 2 @49967 has 2 MA's), (3, 49946), (4, 49940), (5, 49850), (6, 49829),

Gene: Chanagan_82 Start: 47023, Stop: 46874, Start Num: 2
Candidate Starts for Chanagan_82:
(Start: 2 @47023 has 2 MA's), (4, 46996), (5, 46906),

Gene: DreamCatcher_89 Start: 49533, Stop: 49384, Start Num: 2
Candidate Starts for DreamCatcher_89:
(Start: 1 @49560 has 16 MA's), (Start: 2 @49533 has 2 MA's), (4, 49506), (5, 49416),

Gene: Dynamix_84 Start: 47288, Stop: 47115, Start Num: 1
Candidate Starts for Dynamix_84:
(Start: 1 @47288 has 16 MA's), (Start: 2 @47261 has 2 MA's), (3, 47240), (4, 47234), (5, 47144), (6, 47123),

Gene: Gyzlar_76 Start: 45083, Stop: 44910, Start Num: 1

Candidate Starts for Gyzlar_76:
(Start: 1 @45083 has 16 MA's), (Start: 2 @45056 has 2 MA's), (3, 45035), (4, 45029), (5, 44939), (6, 44918),

Gene: HarryOW_85 Start: 50108, Stop: 49935, Start Num: 1
Candidate Starts for HarryOW_85:
(Start: 1 @50108 has 16 MA's), (Start: 2 @50081 has 2 MA's), (3, 50060), (4, 50054), (5, 49964), (6, 49943),

Gene: KyMonks1A_91 Start: 49829, Stop: 49656, Start Num: 1
Candidate Starts for KyMonks1A_91:
(Start: 1 @49829 has 16 MA's), (Start: 2 @49802 has 2 MA's), (4, 49775), (5, 49685), (6, 49664),

Gene: NEHalo_82 Start: 48188, Stop: 48015, Start Num: 1
Candidate Starts for NEHalo_82:
(Start: 1 @48188 has 16 MA's), (Start: 2 @48161 has 2 MA's), (4, 48134), (5, 48044), (6, 48023),

Gene: Ohno789_89 Start: 50417, Stop: 50244, Start Num: 1
Candidate Starts for Ohno789_89:
(Start: 1 @50417 has 16 MA's), (Start: 2 @50390 has 2 MA's), (4, 50363), (5, 50273), (6, 50252),

Gene: Paphu_81 Start: 47874, Stop: 47701, Start Num: 1
Candidate Starts for Paphu_81:
(Start: 1 @47874 has 16 MA's), (Start: 2 @47847 has 2 MA's), (3, 47826), (4, 47820), (5, 47730), (6, 47709),

Gene: Payneful_73 Start: 45129, Stop: 44956, Start Num: 1
Candidate Starts for Payneful_73:
(Start: 1 @45129 has 16 MA's), (Start: 2 @45102 has 2 MA's), (4, 45075), (5, 44985), (6, 44964),

Gene: Rajelicia_86 Start: 51261, Stop: 51088, Start Num: 1
Candidate Starts for Rajelicia_86:
(Start: 1 @51261 has 16 MA's), (Start: 2 @51234 has 2 MA's), (4, 51207), (5, 51117), (6, 51096),

Gene: Sibs6_88 Start: 46921, Stop: 46757, Start Num: 1
Candidate Starts for Sibs6_88:
(Start: 1 @46921 has 16 MA's), (Start: 2 @46894 has 2 MA's), (4, 46867), (5, 46777),

Gene: Snazzy_86 Start: 49312, Stop: 49139, Start Num: 1
Candidate Starts for Snazzy_86:
(Start: 1 @49312 has 16 MA's), (Start: 2 @49285 has 2 MA's), (4, 49258), (5, 49168), (6, 49147),

Gene: Sorpresa_85 Start: 49585, Stop: 49409, Start Num: 1
Candidate Starts for Sorpresa_85:
(Start: 1 @49585 has 16 MA's), (Start: 2 @49558 has 2 MA's), (4, 49531), (5, 49441),