



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 280916 Report

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

Pham number 280916 has 19 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Eyeball_86
- Track 2 : ConceptII_93, Sunshine924_88, Anglerfish_89
- Track 3 : Payneful_73, NEHalo_82, Rajelicia_86, Ohno789_89
- Track 4 : Frog hopper_72, GMonster_82
- Track 5 : CactusRose_90, Paphu_81, HarryOW_85
- Track 6 : Gandalf20_84
- Track 7 : Sorpresa_85
- Track 8 : Topgun_82, Wilkins_83
- Track 9 : Puppet_81
- Track 10 : MilleFeuille_81

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 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anglerfish_89, CactusRose_90, ConceptII_93, Eyeball_86, Frog hopper_72, GMonster_82, HarryOW_85, NEHalo_82, Ohno789_89, Paphu_81, Payneful_73, Rajelicia_86, Sorpresa_85, Sunshine924_88, Topgun_82, Wilkins_83,

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

- Gandalf20_84, MilleFeuille_81,

Genes that do not have the "Most Annotated" start:

- Puppet_81,

Summary by start number:

Start 1:

- Found in 18 of 19 (94.7%) of genes in pham
- Manual Annotations of this start: 16 of 17
- Called 88.9% of time when present

- Phage (with cluster) where this start called: Anglerfish_89 (A1), CactusRose_90 (A1), ConceptII_93 (A1), Eyeball_86 (A1), Froghopper_72 (A1), GMonster_82 (A1), HarryOW_85 (A1), NEHalo_82 (A1), Ohno789_89 (A1), Paphu_81 (A1), Payneiful_73 (A1), Rajelicia_86 (A1), Sorpresa_85 (A1), Sunshine924_88 (A1), Topgun_82 (A1), Wilkins_83 (A1),

Start 2:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 17
- Called 15.8% of time when present
- Phage (with cluster) where this start called: Gandalf20_84 (A1), MilleFeuille_81 (A1), Puppet_81 (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 1 time for cluster A1.

Gene Information:

Gene: Anglerfish_89 Start: 50429, Stop: 50283, Start Num: 1

Candidate Starts for Anglerfish_89:

(Start: 1 @50429 has 16 MA's), (Start: 2 @50402 has 1 MA's), (3, 50381), (4, 50375), (5, 50318),

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 1 MA's), (3, 49946), (4, 49940), (6, 49850), (7, 49829),

Gene: ConceptII_93 Start: 51306, Stop: 51157, Start Num: 1

Candidate Starts for ConceptII_93:

(Start: 1 @51306 has 16 MA's), (Start: 2 @51279 has 1 MA's), (3, 51258), (4, 51252), (5, 51189),

Gene: Eyeball_86 Start: 49179, Stop: 49030, Start Num: 1

Candidate Starts for Eyeball_86:

(Start: 1 @49179 has 16 MA's), (Start: 2 @49152 has 1 MA's), (4, 49125), (5, 49062),

Gene: Froghopper_72 Start: 45039, Stop: 44884, Start Num: 1

Candidate Starts for Froghopper_72:

(Start: 1 @45039 has 16 MA's), (Start: 2 @45012 has 1 MA's), (4, 44985),

Gene: GMonster_82 Start: 48312, Stop: 48157, Start Num: 1

Candidate Starts for GMonster_82:

(Start: 1 @48312 has 16 MA's), (Start: 2 @48285 has 1 MA's), (4, 48258),

Gene: Gandalf20_84 Start: 48924, Stop: 48802, Start Num: 2

Candidate Starts for Gandalf20_84:

(Start: 1 @48951 has 16 MA's), (Start: 2 @48924 has 1 MA's), (4, 48897), (5, 48834),

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 1 MA's), (3, 50060), (4, 50054), (6, 49964), (7, 49943),

Gene: MilleFeuille_81 Start: 48034, Stop: 47906, Start Num: 2

Candidate Starts for MilleFeuille_81:

(Start: 1 @48061 has 16 MA's), (Start: 2 @48034 has 1 MA's), (3, 48013), (4, 48007), (5, 47944),

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 1 MA's), (4, 48134), (6, 48044), (7, 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 1 MA's), (4, 50363), (6, 50273), (7, 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 1 MA's), (3, 47826), (4, 47820), (6, 47730), (7, 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 1 MA's), (4, 45075), (6, 44985), (7, 44964),

Gene: Puppet_81 Start: 49576, Stop: 49454, Start Num: 2

Candidate Starts for Puppet_81:

(Start: 2 @49576 has 1 MA's), (4, 49549), (5, 49486),

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 1 MA's), (4, 51207), (6, 51117), (7, 51096),

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 1 MA's), (4, 49531), (6, 49441),

Gene: Sunshine924_88 Start: 48484, Stop: 48335, Start Num: 1

Candidate Starts for Sunshine924_88:

(Start: 1 @48484 has 16 MA's), (Start: 2 @48457 has 1 MA's), (3, 48436), (4, 48430), (5, 48367),

Gene: Topgun_82 Start: 47338, Stop: 47189, Start Num: 1

Candidate Starts for Topgun_82:

(Start: 1 @47338 has 16 MA's), (Start: 2 @47311 has 1 MA's), (5, 47221),

Gene: Wilkins_83 Start: 47268, Stop: 47119, Start Num: 1

Candidate Starts for Wilkins_83:

(Start: 1 @47268 has 16 MA's), (Start: 2 @47241 has 1 MA's), (5, 47151),