Pham 288264

1: Bircsak_30 + 3

2: Smeagol_32 + 2

3: Squee_31 + 5

4: SarFire_30 + 2

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 288264 Report

This analysis was run 03/28/26 on database version 641.

Pham number 288264 has 16 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Bircsak_30, Dussy_31, Agaliana_31, Gompeii16_30
• Track 2 : Smeagol_32, Peterson_33, Seabiscuit_32
• Track 3 : Squee_31, CatBus_32, Perseus_32, DirtDevil_32, Noxious_32, U2_30
• Track 4 : SarFire_30, DD5_31, KSSJEB_30

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 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agaliana_31, Bircsak_30, Dussy_31, Gompeii16_30, Peterson_33, Seabiscuit_32, Smeagol_32,

Genes that have the "Most Annotated" start but do not call it:
• CatBus_32, DD5_31, DirtDevil_32, KSSJEB_30, Noxious_32, Perseus_32, SarFire_30, Squee_31, U2_30,

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

Summary by start number:

Start 1:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 18.8% of time when present
• Phage (with cluster) where this start called: DD5_31 (A1), KSSJEB_30 (A1), SarFire_30 (A1),

Start 2:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 43.8% of time when present

• Phage (with cluster) where this start called: Agaliana_31 (A1), Bircsak_30 (A1), Dussy_31 (A1), Gompeii16_30 (A1), Peterson_33 (A1), Seabiscuit_32 (A1), Smeagol_32 (A1),

Start 4:
• Found in 13 of 16 (81.2%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 46.2% of time when present
• Phage (with cluster) where this start called: CatBus_32 (A1), DirtDevil_32 (A1), Noxious_32 (A1), Perseus_32 (A1), Squee_31 (A1), U2_30 (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 3 times for cluster A1.
•Start number 2 was manually annotated 6 times for cluster A1.
•Start number 4 was manually annotated 3 times for cluster A1.

Gene Information:
Gene: Agaliana_31 Start: 24027, Stop: 24374, Start Num: 2
Candidate Starts for Agaliana_31:
(Start: 1 @23937 has 3 MA's), (Start: 2 @24027 has 6 MA's), (3, 24048), (Start: 4 @24054 has 3 MA's), (5, 24180), (6, 24225),

Gene: Bircsak_30 Start: 24216, Stop: 24563, Start Num: 2
Candidate Starts for Bircsak_30:
(Start: 1 @24126 has 3 MA's), (Start: 2 @24216 has 6 MA's), (3, 24237), (Start: 4 @24243 has 3 MA's), (5, 24369), (6, 24414),

Gene: CatBus_32 Start: 25269, Stop: 25589, Start Num: 4
Candidate Starts for CatBus_32:
(Start: 1 @25152 has 3 MA's), (Start: 2 @25242 has 6 MA's), (3, 25263), (Start: 4 @25269 has 3 MA's), (5, 25395), (6, 25440),

Gene: DD5_31 Start: 24355, Stop: 24792, Start Num: 1
Candidate Starts for DD5_31:
(Start: 1 @24355 has 3 MA's), (Start: 2 @24445 has 6 MA's), (3, 24466), (Start: 4 @24472 has 3 MA's), (5, 24598), (6, 24643),

Gene: DirtDevil_32 Start: 25077, Stop: 25397, Start Num: 4
Candidate Starts for DirtDevil_32:
(Start: 1 @24960 has 3 MA's), (Start: 2 @25050 has 6 MA's), (3, 25071), (Start: 4 @25077 has 3 MA's), (5, 25203), (6, 25248),

Gene: Dussy_31 Start: 23946, Stop: 24293, Start Num: 2
Candidate Starts for Dussy_31:
(Start: 1 @23856 has 3 MA's), (Start: 2 @23946 has 6 MA's), (3, 23967), (Start: 4 @23973 has 3 MA's), (5, 24099), (6, 24144),

Gene: Gompeii16_30 Start: 24217, Stop: 24564, Start Num: 2
Candidate Starts for Gompeii16_30:
(Start: 1 @24127 has 3 MA's), (Start: 2 @24217 has 6 MA's), (3, 24238), (Start: 4 @24244 has 3 MA's), (5, 24370), (6, 24415),

Gene: KSSJEB_30 Start: 23427, Stop: 23864, Start Num: 1
Candidate Starts for KSSJEB_30:
(Start: 1 @23427 has 3 MA's), (Start: 2 @23517 has 6 MA's), (3, 23538), (Start: 4 @23544 has 3 MA's), (5, 23670), (6, 23715),

Gene: Noxious_32 Start: 25269, Stop: 25589, Start Num: 4
Candidate Starts for Noxious_32:
(Start: 1 @25152 has 3 MA's), (Start: 2 @25242 has 6 MA's), (3, 25263), (Start: 4 @25269 has 3 MA's), (5, 25395), (6, 25440),

Gene: Perseus_32 Start: 24652, Stop: 24972, Start Num: 4
Candidate Starts for Perseus_32:
(Start: 1 @24535 has 3 MA's), (Start: 2 @24625 has 6 MA's), (3, 24646), (Start: 4 @24652 has 3 MA's), (5, 24778), (6, 24823),

Gene: Peterson_33 Start: 25638, Stop: 25985, Start Num: 2
Candidate Starts for Peterson_33:
(Start: 1 @25548 has 3 MA's), (Start: 2 @25638 has 6 MA's), (3, 25659), (5, 25791), (6, 25836),

Gene: SarFire_30 Start: 23758, Stop: 24195, Start Num: 1
Candidate Starts for SarFire_30:
(Start: 1 @23758 has 3 MA's), (Start: 2 @23848 has 6 MA's), (3, 23869), (Start: 4 @23875 has 3 MA's), (5, 24001), (6, 24046),

Gene: Seabiscuit_32 Start: 23754, Stop: 24101, Start Num: 2
Candidate Starts for Seabiscuit_32:
(Start: 1 @23664 has 3 MA's), (Start: 2 @23754 has 6 MA's), (3, 23775), (5, 23907), (6, 23952),

Gene: Smeagol_32 Start: 25067, Stop: 25414, Start Num: 2
Candidate Starts for Smeagol_32:
(Start: 1 @24977 has 3 MA's), (Start: 2 @25067 has 6 MA's), (3, 25088), (5, 25220), (6, 25265),

Gene: Squee_31 Start: 24620, Stop: 24940, Start Num: 4
Candidate Starts for Squee_31:
(Start: 1 @24503 has 3 MA's), (Start: 2 @24593 has 6 MA's), (3, 24614), (Start: 4 @24620 has 3 MA's), (5, 24746), (6, 24791),

Gene: U2_30 Start: 23893, Stop: 24213, Start Num: 4
Candidate Starts for U2_30:
(Start: 1 @23776 has 3 MA's), (Start: 2 @23866 has 6 MA's), (3, 23887), (Start: 4 @23893 has 3 MA's), (5, 24019), (6, 24064),