Pham 297208

1: Solea_53 + 1
2: Akino08_53
3: PhigPhack_53
4: SirBeanington_52
5: PondAmelia_63
6: WalkingDead_54
7: PastaFagioli_52
8: Slay_52
9: Bengal_53

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 297208 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297208 has 10 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Solea_53, Milomuff_52
• Track 2 : Akino08_53
• Track 3 : PhigPhack_53
• Track 4 : SirBeanington_52
• Track 5 : PondAmelia_63
• Track 6 : WalkingDead_54
• Track 7 : PastaFagioli_52
• Track 8 : Slay_52
• Track 9 : Bengal_53

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 9, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bengal_53, Milomuff_52, PastaFagioli_52, PhigPhack_53, SirBeanington_52, Slay_52, Solea_53, WalkingDead_54,

Genes that have the "Most Annotated" start but do not call it:
• Akino08_53, PondAmelia_63,

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

Summary by start number:

Start 9:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Bengal_53 (EB), Milomuff_52 (EB), PastaFagioli_52 (EB), PhigPhack_53 (EB), SirBeanington_52 (EB), Slay_52 (EB), Solea_53 (EB), WalkingDead_54 (EB),

Start 10:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Akino08_53 (EB), PondAmelia_63 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 9 was manually annotated 5 times for cluster EB.
•Start number 10 was manually annotated 1 time for cluster EB.

Gene Information:

Gene: Akino08_53 Start: 36817, Stop: 37083, Start Num: 10
Candidate Starts for Akino08_53:
(7, 36634), (8, 36697), (Start: 9 @36814 has 5 MA's), (Start: 10 @36817 has 1 MA's), (11, 36820), (14, 36874), (17, 36931), (18, 36940), (24, 37000),

Gene: Bengal_53 Start: 34800, Stop: 35081, Start Num: 9
Candidate Starts for Bengal_53:
(4, 34515), (8, 34683), (Start: 9 @34800 has 5 MA's), (14, 34860), (17, 34917), (19, 34932), (22, 34974),

Gene: Milomuff_52 Start: 34653, Stop: 34934, Start Num: 9
Candidate Starts for Milomuff_52:
(1, 34227), (2, 34311), (3, 34320), (4, 34362), (8, 34536), (Start: 9 @34653 has 5 MA's), (14, 34713), (17, 34770), (19, 34785), (22, 34827),

Gene: PastaFagioli_52 Start: 35219, Stop: 35500, Start Num: 9
Candidate Starts for PastaFagioli_52:
(6, 35015), (8, 35102), (Start: 9 @35219 has 5 MA's), (14, 35279), (16, 35327), (17, 35336), (19, 35351), (26, 35420),

Gene: PhigPhack_53 Start: 34661, Stop: 34942, Start Num: 9
Candidate Starts for PhigPhack_53:
(4, 34376), (5, 34421), (8, 34544), (Start: 9 @34661 has 5 MA's), (14, 34721), (17, 34778), (19, 34793), (22, 34835),

Gene: PondAmelia_63 Start: 35635, Stop: 35901, Start Num: 10
Candidate Starts for PondAmelia_63:
(7, 35452), (8, 35515), (Start: 9 @35632 has 5 MA's), (Start: 10 @35635 has 1 MA's), (13, 35680), (14, 35692), (15, 35725), (17, 35749), (18, 35758), (19, 35764), (20, 35797), (21, 35800), (24, 35818), (25, 35830),

Gene: SirBeanington_52 Start: 34972, Stop: 35253, Start Num: 9
Candidate Starts for SirBeanington_52:
(8, 34855), (Start: 9 @34972 has 5 MA's), (14, 35032), (17, 35089), (19, 35104), (23, 35158),

Gene: Slay_52 Start: 35047, Stop: 35328, Start Num: 9
Candidate Starts for Slay_52:
(5, 34804), (8, 34930), (Start: 9 @35047 has 5 MA's), (11, 35053), (14, 35107), (17, 35164), (19, 35179), (22, 35221),

Gene: Solea_53 Start: 34653, Stop: 34934, Start Num: 9
Candidate Starts for Solea_53:
(1, 34227), (2, 34311), (3, 34320), (4, 34362), (8, 34536), (Start: 9 @34653 has 5 MA's), (14, 34713), (17, 34770), (19, 34785), (22, 34827),

Gene: WalkingDead_54 Start: 36540, Stop: 36818, Start Num: 9
Candidate Starts for WalkingDead_54:
(7, 36360), (8, 36423), (Start: 9 @36540 has 5 MA's), (Start: 10 @36543 has 1 MA's), (11, 36546), (12, 36579), (14, 36600), (17, 36657), (18, 36666), (24, 36726),