Pham 87566



7: Xenia2_77

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 87566 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87566 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Tillicus_72, LuckyLeo_74, Apeppi_72
- Track 2 : Patos_81, OtterstedtS21_77, NorManre_81
- Track 3 : DumpTruck_78
- Track 4 : Erutan_77
- Track 5 : Sampudon_78
- Track 6 : Avian_76
- Track 7 : Xenia2_77

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

The start number called the most often in the published annotations is 8, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start: • Avian_76, Erutan_77, NorManre_81, OtterstedtS21_77, Patos_81,

Genes that have the "Most Annotated" start but do not call it: • Sampudon_78,

Genes that do not have the "Most Annotated" start: • Apeppi_72, DumpTruck_78, LuckyLeo_74, Tillicus_72, Xenia2_77,

Summary by start number:

Start 7:

- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Apeppi_72 (DV), LuckyLeo_74 (DV), Tillicus_72 (DV),

Start 8:

- Found in 6 of 11 (54.5%) of genes in pham
- Manual Annotations of this start: 4 of 8

• Called 83.3% of time when present

• Phage (with cluster) where this start called: Avian_76 (DV), Erutan_77 (DV), NorManre_81 (DV), OtterstedtS21_77 (DV), Patos_81 (DV),

Start 10:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Xenia2_77 (DV),

Start 11:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 18.2% of time when present

• Phage (with cluster) where this start called: DumpTruck_78 (DV), Sampudon_78 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:

- •Start number 7 was manually annotated 1 time for cluster DV.
- •Start number 8 was manually annotated 4 times for cluster DV.
- •Start number 10 was manually annotated 1 time for cluster DV.

•Start number 11 was manually annotated 2 times for cluster DV.

Gene Information:

Gene: Apeppi_72 Start: 50997, Stop: 51119, Start Num: 7 Candidate Starts for Apeppi_72: (Start: 7 @50997 has 1 MA's), (9, 51009), (Start: 11 @51015 has 2 MA's), (12, 51051), (13, 51093), (14, 51105), (15, 51108),

Gene: Avian_76 Start: 50247, Stop: 50357, Start Num: 8 Candidate Starts for Avian_76: (2, 50169), (3, 50175), (4, 50184), (Start: 8 @50247 has 4 MA's), (Start: 11 @50253 has 2 MA's), (12, 50289), (13, 50331), (15, 50346),

Gene: DumpTruck_78 Start: 51288, Stop: 51392, Start Num: 11 Candidate Starts for DumpTruck_78: (Start: 10 @51282 has 1 MA's), (Start: 11 @51288 has 2 MA's), (13, 51366), (14, 51378), (15, 51381),

Gene: Erutan_77 Start: 51267, Stop: 51377, Start Num: 8 Candidate Starts for Erutan_77: (1, 51171), (5, 51225), (6, 51228), (Start: 8 @51267 has 4 MA's), (Start: 11 @51273 has 2 MA's), (12, 51309), (13, 51351), (15, 51366),

Gene: LuckyLeo_74 Start: 50997, Stop: 51119, Start Num: 7 Candidate Starts for LuckyLeo_74: (Start: 7 @50997 has 1 MA's), (9, 51009), (Start: 11 @51015 has 2 MA's), (12, 51051), (13, 51093), (14, 51105), (15, 51108),

Gene: NorManre_81 Start: 52576, Stop: 52686, Start Num: 8 Candidate Starts for NorManre_81: (1, 52471), (5, 52534), (6, 52537), (Start: 8 @52576 has 4 MA's), (Start: 11 @52582 has 2 MA's), (12, 52618), (13, 52660), (15, 52675),

Gene: OtterstedtS21_77 Start: 51594, Stop: 51704, Start Num: 8 Candidate Starts for OtterstedtS21_77: (1, 51489), (5, 51552), (6, 51555), (Start: 8 @51594 has 4 MA's), (Start: 11 @51600 has 2 MA's), (12, 51636), (13, 51678), (15, 51693),

Gene: Patos_81 Start: 52575, Stop: 52685, Start Num: 8 Candidate Starts for Patos_81: (1, 52470), (5, 52533), (6, 52536), (Start: 8 @52575 has 4 MA's), (Start: 11 @52581 has 2 MA's), (12, 52617), (13, 52659), (15, 52674),

Gene: Sampudon_78 Start: 52747, Stop: 52851, Start Num: 11 Candidate Starts for Sampudon_78: (1, 52636), (5, 52699), (6, 52702), (Start: 8 @52741 has 4 MA's), (Start: 11 @52747 has 2 MA's), (12, 52783), (13, 52825), (15, 52840),

Gene: Tillicus_72 Start: 50946, Stop: 51068, Start Num: 7 Candidate Starts for Tillicus_72: (Start: 7 @50946 has 1 MA's), (9, 50958), (Start: 11 @50964 has 2 MA's), (12, 51000), (13, 51042), (14, 51054), (15, 51057),

Gene: Xenia2_77 Start: 51170, Stop: 51280, Start Num: 10 Candidate Starts for Xenia2_77: (Start: 10 @51170 has 1 MA's), (Start: 11 @51176 has 2 MA's), (13, 51254), (14, 51266), (15, 51269),