Pham 87620


1: Abidatro_64
2: Basilisk_64
3: Brynnie_61
4: Jamuri_61
5: Chickaboom_67
6: Galaxy_63
7: TaylorSipht_62
8: Ruchi_62
9: Orcanus_63
10: Eesa_63

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 87620 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87620 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Abidatro_64
• Track 2 : Basilisk_64
• Track 3 : Brynnie_61
• Track 4 : Jamun_61
• Track 5 : Chickaboom_67
• Track 6 : Galaxy_63
• Track 7 : TaylorSipht_62
• Track 8 : Ruchi_62
• Track 9 : Orcanus_63
• Track 10 : Eesa_63

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 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Basilisk_64, Brynnie_61, Jamun_61,

Genes that have the "Most Annotated" start but do not call it:
• Ruchi_62,

Genes that do not have the "Most Annotated" start:
• Abidatro_64, Chickaboom_67, Eesa_63, Galaxy_63, Orcanus_63, TaylorSipht_62,

Summary by start number:

Start 3:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Eesa_63 (AS1), Orcanus_63 (AS1),

Start 4:

• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 33.3% of time when present
• Phage (with cluster) where this start called: TaylorSipht_62 (AS1),

Start 5:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chickaboom_67 (AS1),

Start 6:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Abidatro_64 (AS1), Galaxy_63 (AS1),

Start 7:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Ruchi_62 (AS1),

Start 8:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Basilisk_64 (AS1), Brynnie_61 (AS1), Jamun_61 (AS1),

Summary by clusters:

There is one cluster represented in this pham: AS1

Info for manual annotations of cluster AS1:
•Start number 3 was manually annotated 2 times for cluster AS1.
•Start number 4 was manually annotated 1 time for cluster AS1.
•Start number 6 was manually annotated 2 times for cluster AS1.
•Start number 7 was manually annotated 1 time for cluster AS1.
•Start number 8 was manually annotated 3 times for cluster AS1.

Gene Information:

Gene: Abidatro_64 Start: 37871, Stop: 38137, Start Num: 6
Candidate Starts for Abidatro_64:
(Start: 4 @37868 has 1 MA's), (Start: 6 @37871 has 2 MA's), (11, 37931), (17, 37988), (27, 38069), (29, 38084),

Gene: Basilisk_64 Start: 37561, Stop: 37818, Start Num: 8
Candidate Starts for Basilisk_64:

(Start: 7 @37558 has 1 MA's), (Start: 8 @37561 has 3 MA's), (10, 37597), (13, 37624), (15, 37645), (17, 37657), (22, 37690), (23, 37699), (25, 37729), (28, 37750), (30, 37765), (32, 37768), (34, 37810),

Gene: Brynnie_61 Start: 37395, Stop: 37631, Start Num: 8
Candidate Starts for Brynnie_61:
(2, 37341), (Start: 8 @37395 has 3 MA's), (9, 37401), (10, 37425), (12, 37449), (13, 37452), (15, 37473), (16, 37479), (17, 37485), (22, 37518), (24, 37533), (34, 37623),

Gene: Chickaboom_67 Start: 37496, Stop: 37771, Start Num: 5
Candidate Starts for Chickaboom_67:
(5, 37496), (Start: 6 @37499 has 2 MA's), (16, 37610), (21, 37646), (22, 37649), (29, 37718), (31, 37721), (34, 37763),

Gene: Eesa_63 Start: 38775, Stop: 39053, Start Num: 3
Candidate Starts for Eesa_63:
(Start: 3 @38775 has 2 MA's), (14, 38871), (20, 38925), (22, 38931), (26, 38976), (33, 39033), (34, 39045), (35, 39048),

Gene: Galaxy_63 Start: 36697, Stop: 36963, Start Num: 6
Candidate Starts for Galaxy_63:
(Start: 4 @36694 has 1 MA's), (Start: 6 @36697 has 2 MA's), (Start: 7 @36718 has 1 MA's), (17, 36814), (29, 36913), (34, 36955), (35, 36958),

Gene: Jamun_61 Start: 37765, Stop: 38004, Start Num: 8
Candidate Starts for Jamun_61:
(1, 37639), (Start: 8 @37765 has 3 MA's), (10, 37795), (13, 37822), (14, 37828), (15, 37843), (19, 37870), (23, 37897), (24, 37903), (34, 37996),

Gene: Orcanus_63 Start: 38262, Stop: 38540, Start Num: 3
Candidate Starts for Orcanus_63:
(Start: 3 @38262 has 2 MA's), (18, 38391), (20, 38412), (22, 38418), (26, 38463), (33, 38520), (34, 38532), (35, 38535),

Gene: Ruchi_62 Start: 37480, Stop: 37740, Start Num: 7
Candidate Starts for Ruchi_62:
(Start: 7 @37480 has 1 MA's), (Start: 8 @37483 has 3 MA's), (10, 37519), (13, 37546), (15, 37567), (17, 37579), (22, 37612), (23, 37621), (25, 37651), (28, 37672), (30, 37687), (32, 37690), (34, 37732),

Gene: TaylorSipht_62 Start: 37850, Stop: 38122, Start Num: 4
Candidate Starts for TaylorSipht_62:
(Start: 4 @37850 has 1 MA's), (Start: 6 @37853 has 2 MA's), (22, 38003), (33, 38102), (34, 38114), (35, 38117),