



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 86404 Report

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

Pham number 86404 has 27 members, 3 are drafts.

Phages represented in each track:

- Track 1 : AN3_61, VA6_59, LadyBird_63
- Track 2 : Deloris_59
- Track 3 : WunderPhul_60, Garak_62, Jeffabunny_60, Zulu_61, Hammer_60, Gruunaga_60, CloudWang3_60, Indra_63, Lilbunny_58, Helmet_62, Blue7_61, ToneTone_57, Artemis2UCLA_60, Zaka_60, Roksolana_61, Wiks_59, Tucker_60, Gladiator_57, Yokurt_60, Koko_61, Hexamo_60
- Track 4 : Blinn1_62
- Track 5 : Rifter_60

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

The start number called the most often in the published annotations is 5, it was called in 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AN3_61, Artemis2UCLA_60, Blinn1_62, Blue7_61, CloudWang3_60, Deloris_59, Garak_62, Gladiator_57, Gruunaga_60, Hammer_60, Helmet_62, Hexamo_60, Indra_63, Jeffabunny_60, Koko_61, LadyBird_63, Lilbunny_58, Rifter_60, Roksolana_61, ToneTone_57, Tucker_60, VA6_59, Wiks_59, WunderPhul_60, Yokurt_60, Zaka_60, Zulu_61,

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

-

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

-

Summary by start number:

Start 5:

- Found in 27 of 27 (100.0%) of genes in pham
- Manual Annotations of this start: 24 of 24
- Called 100.0% of time when present

- Phage (with cluster) where this start called: AN3_61 (A2), Artemis2UCLA_60 (A6), Blinn1_62 (A6), Blue7_61 (A6), CloudWang3_60 (A6), Deloris_59 (A2), Garak_62 (A6), Gladiator_57 (A6), Gruunaga_60 (A6), Hammer_60 (A6), Helmet_62 (A6), Hexamo_60 (A6), Indra_63 (A6), Jeffabunny_60 (A6), Koko_61 (A6), LadyBird_63 (A2), Lilbunny_58 (A6), Rifter_60 (A6), Roksolana_61 (A6), ToneTone_57 (A6), Tucker_60 (A6), VA6_59 (A2), Wiks_59 (A6), WunderPhul_60 (A6), Yokurt_60 (A6), Zaka_60 (A6), Zulu_61 (A6),

Summary by clusters:

There are 2 clusters represented in this pham: A2, A6,

Info for manual annotations of cluster A2:

- Start number 5 was manually annotated 4 times for cluster A2.

Info for manual annotations of cluster A6:

- Start number 5 was manually annotated 20 times for cluster A6.

Gene Information:

Gene: AN3_61 Start: 37436, Stop: 37332, Start Num: 5

Candidate Starts for AN3_61:

(1, 37859), (2, 37850), (3, 37676), (4, 37637), (Start: 5 @37436 has 24 MA's),

Gene: Artemis2UCLA_60 Start: 37203, Stop: 37102, Start Num: 5

Candidate Starts for Artemis2UCLA_60:

(3, 37443), (4, 37404), (Start: 5 @37203 has 24 MA's),

Gene: Blinn1_62 Start: 37221, Stop: 37120, Start Num: 5

Candidate Starts for Blinn1_62:

(Start: 5 @37221 has 24 MA's), (6, 37149),

Gene: Blue7_61 Start: 37297, Stop: 37196, Start Num: 5

Candidate Starts for Blue7_61:

(3, 37537), (4, 37498), (Start: 5 @37297 has 24 MA's),

Gene: CloudWang3_60 Start: 37291, Stop: 37190, Start Num: 5

Candidate Starts for CloudWang3_60:

(3, 37531), (4, 37492), (Start: 5 @37291 has 24 MA's),

Gene: Deloris_59 Start: 38388, Stop: 38284, Start Num: 5

Candidate Starts for Deloris_59:

(Start: 5 @38388 has 24 MA's),

Gene: Garak_62 Start: 37570, Stop: 37469, Start Num: 5

Candidate Starts for Garak_62:

(3, 37810), (4, 37771), (Start: 5 @37570 has 24 MA's),

Gene: Gladiator_57 Start: 36795, Stop: 36694, Start Num: 5

Candidate Starts for Gladiator_57:

(3, 37035), (4, 36996), (Start: 5 @36795 has 24 MA's),

Gene: Gruunaga_60 Start: 37494, Stop: 37393, Start Num: 5
Candidate Starts for Gruunaga_60:
(3, 37734), (4, 37695), (Start: 5 @37494 has 24 MA's),

Gene: Hammer_60 Start: 37101, Stop: 37000, Start Num: 5
Candidate Starts for Hammer_60:
(3, 37341), (4, 37302), (Start: 5 @37101 has 24 MA's),

Gene: Helmet_62 Start: 37570, Stop: 37469, Start Num: 5
Candidate Starts for Helmet_62:
(3, 37810), (4, 37771), (Start: 5 @37570 has 24 MA's),

Gene: Hexamo_60 Start: 37200, Stop: 37099, Start Num: 5
Candidate Starts for Hexamo_60:
(3, 37440), (4, 37401), (Start: 5 @37200 has 24 MA's),

Gene: Indra_63 Start: 37571, Stop: 37470, Start Num: 5
Candidate Starts for Indra_63:
(3, 37811), (4, 37772), (Start: 5 @37571 has 24 MA's),

Gene: Jeffabunny_60 Start: 37197, Stop: 37096, Start Num: 5
Candidate Starts for Jeffabunny_60:
(3, 37437), (4, 37398), (Start: 5 @37197 has 24 MA's),

Gene: Koko_61 Start: 37631, Stop: 37530, Start Num: 5
Candidate Starts for Koko_61:
(3, 37871), (4, 37832), (Start: 5 @37631 has 24 MA's),

Gene: LadyBird_63 Start: 39200, Stop: 39096, Start Num: 5
Candidate Starts for LadyBird_63:
(1, 39623), (2, 39614), (3, 39440), (4, 39401), (Start: 5 @39200 has 24 MA's),

Gene: Lilbunny_58 Start: 37201, Stop: 37100, Start Num: 5
Candidate Starts for Lilbunny_58:
(3, 37441), (4, 37402), (Start: 5 @37201 has 24 MA's),

Gene: Rifter_60 Start: 36697, Stop: 36596, Start Num: 5
Candidate Starts for Rifter_60:
(Start: 5 @36697 has 24 MA's),

Gene: Roksolana_61 Start: 37531, Stop: 37430, Start Num: 5
Candidate Starts for Roksolana_61:
(3, 37771), (4, 37732), (Start: 5 @37531 has 24 MA's),

Gene: ToneTone_57 Start: 37130, Stop: 37029, Start Num: 5
Candidate Starts for ToneTone_57:
(3, 37370), (4, 37331), (Start: 5 @37130 has 24 MA's),

Gene: Tucker_60 Start: 37299, Stop: 37198, Start Num: 5
Candidate Starts for Tucker_60:
(3, 37539), (4, 37500), (Start: 5 @37299 has 24 MA's),

Gene: VA6_59 Start: 38614, Stop: 38510, Start Num: 5

Candidate Starts for VA6_59:

(1, 39037), (2, 39028), (3, 38854), (4, 38815), (Start: 5 @38614 has 24 MA's),

Gene: Wiks_59 Start: 37201, Stop: 37100, Start Num: 5

Candidate Starts for Wiks_59:

(3, 37441), (4, 37402), (Start: 5 @37201 has 24 MA's),

Gene: WunderPhul_60 Start: 37199, Stop: 37098, Start Num: 5

Candidate Starts for WunderPhul_60:

(3, 37439), (4, 37400), (Start: 5 @37199 has 24 MA's),

Gene: Yokurt_60 Start: 37201, Stop: 37100, Start Num: 5

Candidate Starts for Yokurt_60:

(3, 37441), (4, 37402), (Start: 5 @37201 has 24 MA's),

Gene: Zaka_60 Start: 37201, Stop: 37100, Start Num: 5

Candidate Starts for Zaka_60:

(3, 37441), (4, 37402), (Start: 5 @37201 has 24 MA's),

Gene: Zulu_61 Start: 37579, Stop: 37478, Start Num: 5

Candidate Starts for Zulu_61:

(3, 37819), (4, 37780), (Start: 5 @37579 has 24 MA's),