# Pham 87052



1: Comrade_80 + 10

2: Patelgo_80 + 1

3: Phredrick_80 + 1

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 87052 Report

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

Pham number 87052 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Comrade_80, SparkleGoddess_80, Gilson_81, MeganTheeKilla_79, Forrest_83, Francob_79, Belfort_82, Karp_78, Emma1919_82, Jada_81, Stigma_79
• Track 2 : Patelgo_80, Moab_80
• Track 3 : Phredrick_80, Kenrey_82


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


The start number called the most often in the published annotations is 1, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_82, Comrade_80, Emma1919_82, Forrest_83, Francob_79, Gilson_81, Jada_81, Karp_78, Kenrey_82, MeganTheeKilla_79, Moab_80, Patelgo_80, Phredrick_80, SparkleGoddess_80, Stigma_79,

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 1:
• Found in 15 of 15 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_82 (BK1), Comrade_80 (BK1), Emma1919_82 (BK1), Forrest_83 (BK1), Francob_79 (BK1), Gilson_81 (BK1), Jada_81 (BK1), Karp_78 (BK1), Kenrey_82 (BK1), MeganTheeKilla_79 (BK1), Moab_80 (BK1), Patelgo_80 (BK1), Phredrick_80 (BK1), SparkleGoddess_80 (BK1), Stigma_79 (BK1),

**Summary by clusters:**

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 1 was manually annotated 15 times for cluster BK1.


### *Gene Information:*
Gene: Belfort_82 Start: 61076, Stop: 61240, Start Num: 1
Candidate Starts for Belfort_82:
(Start: 1 @61076 has 15 MA's),

Gene: Comrade_80 Start: 60692, Stop: 60856, Start Num: 1
Candidate Starts for Comrade_80:
(Start: 1 @60692 has 15 MA's),

Gene: Emma1919_82 Start: 59393, Stop: 59578, Start Num: 1
Candidate Starts for Emma1919_82:
(Start: 1 @59393 has 15 MA's),

Gene: Forrest_83 Start: 60686, Stop: 60871, Start Num: 1
Candidate Starts for Forrest_83:
(Start: 1 @60686 has 15 MA's),

Gene: Francob_79 Start: 59430, Stop: 59597, Start Num: 1
Candidate Starts for Francob_79:
(Start: 1 @59430 has 15 MA's),

Gene: Gilson_81 Start: 59355, Stop: 59540, Start Num: 1
Candidate Starts for Gilson_81:
(Start: 1 @59355 has 15 MA's),

Gene: Jada_81 Start: 59868, Stop: 60053, Start Num: 1
Candidate Starts for Jada_81:
(Start: 1 @59868 has 15 MA's),

Gene: Karp_78 Start: 60285, Stop: 60449, Start Num: 1
Candidate Starts for Karp_78:
(Start: 1 @60285 has 15 MA's),

Gene: Kenrey_82 Start: 59537, Stop: 59734, Start Num: 1
Candidate Starts for Kenrey_82:
(Start: 1 @59537 has 15 MA's), (3, 59600),

Gene: MeganTheeKilla_79 Start: 58716, Stop: 58901, Start Num: 1
Candidate Starts for MeganTheeKilla_79:
(Start: 1 @58716 has 15 MA's),

Gene: Moab_80 Start: 60593, Stop: 60790, Start Num: 1
Candidate Starts for Moab_80:
(Start: 1 @60593 has 15 MA's), (2, 60638), (4, 60761),

Gene: Patelgo_80 Start: 60756, Stop: 60953, Start Num: 1
Candidate Starts for Patelgo_80:
(Start: 1 @60756 has 15 MA's), (2, 60801), (4, 60924),

Gene: Phredrick_80 Start: 58617, Stop: 58814, Start Num: 1
Candidate Starts for Phredrick_80:
(Start: 1 @58617 has 15 MA's), (3, 58680),

Gene: SparkleGoddess_80 Start: 60693, Stop: 60857, Start Num: 1
Candidate Starts for SparkleGoddess_80:
(Start: 1 @60693 has 15 MA's),

Gene: Stigma_79 Start: 60701, Stop: 60865, Start Num: 1
Candidate Starts for Stigma_79:
(Start: 1 @60701 has 15 MA's),