# Pham 87539



1: Avian_70 + 4

2: Ranch_72 + 4

3: Patos_76 + 1

4: Zany_70

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 87539 Report

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

Pham number 87539 has 13 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Avian_70, NovaSharks_73, Alyssamiracle_74, Rumi_72, Genamy16_74
• Track 2 : Ranch_72, MoiGyank_78, DoobyDoo_69, Sampudon_73, Jalebi_72
• Track 3 : Patos_76, NorManre_76
• Track 4 : Zany_70

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

The start number called the most often in the published annotations is 2, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alyssamiracle_74, Avian_70, DoobyDoo_69, Genamy16_74, Jalebi_72, MoiGyank_78, NovaSharks_73, Ranch_72, Rumi_72, Sampudon_73, Zany_70,

Genes that have the "Most Annotated" start but do not call it:
• NorManre_76, Patos_76,

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

### Summary by start number:

Start 1:
• Found in 2 of 13 ( 15.4% ) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NorManre_76 (DV), Patos_76 (DV),

Start 2:
• Found in 13 of 13 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 8 of 10
• Called 84.6% of time when present
• Phage (with cluster) where this start called: Alyssamiracle_74 (DV), Avian_70 (DV), DoobyDoo_69 (DV), Genamy16_74 (DV), Jalebi_72 (DV), MoiGyank_78 (DV),

NovaSharks_73 (DV), Ranch_72 (DV), Rumi_72 (DV), Sampudon_73 (DV), Zany_70 (DV),

**Summary by clusters:**

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:
•Start number 1 was manually annotated 2 times for cluster DV.
•Start number 2 was manually annotated 8 times for cluster DV.

*Gene Information:*

Gene: Alyssamiracle_74 Start: 48050, Stop: 48388, Start Num: 2
Candidate Starts for Alyssamiracle_74:
(Start: 2 @48050 has 8 MA's), (5, 48119), (8, 48254), (9, 48287),

Gene: Avian_70 Start: 47778, Stop: 48116, Start Num: 2
Candidate Starts for Avian_70:
(Start: 2 @47778 has 8 MA's), (5, 47847), (8, 47982), (9, 48015),

Gene: DoobyDoo_69 Start: 48031, Stop: 48363, Start Num: 2
Candidate Starts for DoobyDoo_69:
(Start: 2 @48031 has 8 MA's), (3, 48046), (4, 48055), (5, 48100), (8, 48235), (9, 48268),

Gene: Genamy16_74 Start: 48036, Stop: 48374, Start Num: 2
Candidate Starts for Genamy16_74:
(Start: 2 @48036 has 8 MA's), (5, 48105), (8, 48240), (9, 48273),

Gene: Jalebi_72 Start: 50269, Stop: 50601, Start Num: 2
Candidate Starts for Jalebi_72:
(Start: 2 @50269 has 8 MA's), (3, 50284), (4, 50293), (5, 50338), (8, 50473), (9, 50506),

Gene: MoiGyank_78 Start: 49823, Stop: 50155, Start Num: 2
Candidate Starts for MoiGyank_78:
(Start: 2 @49823 has 8 MA's), (3, 49838), (4, 49847), (5, 49892), (8, 50027), (9, 50060),

Gene: NorManre_76 Start: 50068, Stop: 50430, Start Num: 1
Candidate Starts for NorManre_76:
(Start: 1 @50068 has 2 MA's), (Start: 2 @50095 has 8 MA's), (6, 50185), (7, 50191), (8, 50302), (9, 50335),

Gene: NovaSharks_73 Start: 47627, Stop: 47965, Start Num: 2
Candidate Starts for NovaSharks_73:
(Start: 2 @47627 has 8 MA's), (5, 47696), (8, 47831), (9, 47864),

Gene: Patos_76 Start: 50067, Stop: 50429, Start Num: 1
Candidate Starts for Patos_76:
(Start: 1 @50067 has 2 MA's), (Start: 2 @50094 has 8 MA's), (6, 50184), (7, 50190), (8, 50301), (9, 50334),

Gene: Ranch_72 Start: 47850, Stop: 48182, Start Num: 2
Candidate Starts for Ranch_72:
(Start: 2 @47850 has 8 MA's), (3, 47865), (4, 47874), (5, 47919), (8, 48054), (9, 48087),

Gene: Rumi_72 Start: 47324, Stop: 47662, Start Num: 2
Candidate Starts for Rumi_72:
(Start: 2 @47324 has 8 MA's), (5, 47393), (8, 47528), (9, 47561),

Gene: Sampudon_73 Start: 50269, Stop: 50601, Start Num: 2
Candidate Starts for Sampudon_73:
(Start: 2 @50269 has 8 MA's), (3, 50284), (4, 50293), (5, 50338), (8, 50473), (9, 50506),

Gene: Zany_70 Start: 49582, Stop: 49914, Start Num: 2
Candidate Starts for Zany_70:
(Start: 2 @49582 has 8 MA's), (3, 49597), (4, 49606), (5, 49651), (8, 49786), (9, 49819),