# Pham 203584



1: Quhwah_94 + 3

2: Jollipop_90 + 1

3: Antares_91

4: Phrancesco_91

5: PierreOrion_90

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 203584 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203584 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Quhwah_94, KaiHaiDragon_91, EarickHC_91, ClearAsMud_92
• Track 2 : Jollipop_90, PiperSansNom_91
• Track 3 : Antares_91
• Track 4 : Phrancesco_91
• Track 5 : PierreOrion_90


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

The start number called the most often in the published annotations is 3, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Antares_91, ClearAsMud_92, EarickHC_91, Jollipop_90, KaiHaiDragon_91, Phrancesco_91, PierreOrion_90, PiperSansNom_91, Quhwah_94,

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 3:
• Found in 9 of 9 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Antares_91 (EC), ClearAsMud_92 (EC), EarickHC_91 (EC), Jollipop_90 (EC), KaiHaiDragon_91 (EC), Phrancesco_91 (EC), PierreOrion_90 (EC), PiperSansNom_91 (EC), Quhwah_94 (EC),

**Summary by clusters:**

There is one cluster represented in this pham: EC

Info for manual annotations of cluster EC:
•Start number 3 was manually annotated 8 times for cluster EC.


### *Gene Information:*

Gene: Antares_91 Start: 52976, Stop: 53314, Start Num: 3
Candidate Starts for Antares_91:
(Start: 3 @52976 has 8 MA's), (4, 53009), (5, 53072), (6, 53156), (7, 53225),

Gene: ClearAsMud_92 Start: 52601, Stop: 52939, Start Num: 3
Candidate Starts for ClearAsMud_92:
(Start: 3 @52601 has 8 MA's), (4, 52634), (5, 52697), (6, 52781), (7, 52850),

Gene: EarickHC_91 Start: 52606, Stop: 52944, Start Num: 3
Candidate Starts for EarickHC_91:
(Start: 3 @52606 has 8 MA's), (4, 52639), (5, 52702), (6, 52786), (7, 52855),

Gene: Jollipop_90 Start: 52703, Stop: 53041, Start Num: 3
Candidate Starts for Jollipop_90:
(Start: 3 @52703 has 8 MA's), (4, 52736), (5, 52799), (6, 52883), (7, 52952), (8, 53012),

Gene: KaiHaiDragon_91 Start: 52606, Stop: 52944, Start Num: 3
Candidate Starts for KaiHaiDragon_91:
(Start: 3 @52606 has 8 MA's), (4, 52639), (5, 52702), (6, 52786), (7, 52855),

Gene: Phrancesco_91 Start: 52869, Stop: 53207, Start Num: 3
Candidate Starts for Phrancesco_91:
(2, 52863), (Start: 3 @52869 has 8 MA's), (4, 52902), (5, 52965), (6, 53049), (7, 53118),

Gene: PierreOrion_90 Start: 52578, Stop: 52916, Start Num: 3
Candidate Starts for PierreOrion_90:
(1, 52431), (Start: 3 @52578 has 8 MA's), (4, 52611), (5, 52674), (6, 52758), (7, 52827),

Gene: PiperSansNom_91 Start: 52891, Stop: 53229, Start Num: 3
Candidate Starts for PiperSansNom_91:
(Start: 3 @52891 has 8 MA's), (4, 52924), (5, 52987), (6, 53071), (7, 53140), (8, 53200),

Gene: Quhwah_94 Start: 53163, Stop: 53501, Start Num: 3
Candidate Starts for Quhwah_94:
(Start: 3 @53163 has 8 MA's), (4, 53196), (5, 53259), (6, 53343), (7, 53412),