Pham 6435


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| B: PeggyLeg03_62 |  |  |

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 6435 Report

This analysis was run 04/05/24 on database version 557.
Pham number 6435 has 13 members, 5 are drafts.
Phages represented in each track:

- Track 1 : Richie_88, MidnightRain_91, BillyTP_84, Raphaella_83, BenchScraper_82
- Track 2 : Isolde-86
- Track 3 : EvePickles 86
- Track 4 : RadFad_90, Hillester_89
- Track 5 : Hestia_79
- Track 6 : YoungHarleezy_84
- Track 7 : Peas_63
- Track 8 : PeggyLeg03_62


## 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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BenchScraper_82, BillyTP_84, EvePickles_86, Hestia_79, Hillester_89, Isolde_86, MidnightRain_91, PeggyLeg03_62, RadFad_90, Raphaēlla_83, Richie_88, YoungHarleezzy_84,

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

- Peas_63,


## Summary by start number:

Start 2:

- Found in 2 of 13 ( $15.4 \%$ ) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called $50.0 \%$ of time when present
- Phage (with cluster) where this start called: Peas_63 (FA),

Start 3 :

- Found in 12 of 13 ( 92.3\% ) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called $100.0 \%$ of time when present
- Phage (with cluster) where this start called: BenchScraper_82 (AY), BillyTP_84
(AY), EvePickles_86 (AY), Hestia_79 (AY), Hillester_89 (AY), Isolde_86 (AY),
MidnightRain_91 (AY), PeggyLeg $\overline{0} 3$ 62 (FA), RadFād_90 (AY), Raphaella_83 (AY),
Richie_88 (A $\bar{Y})$, YoungHarleezy_84 (AY),


## Summary by clusters:

There are 2 clusters represented in this pham: AY, FA,
Info for manual annotations of cluster AY:

- Start number 3 was manually annotated 6 times for cluster AY.

Info for manual annotations of cluster FA:

- Start number 2 was manually annotated 1 time for cluster FA.
- Start number 3 was manually annotated 1 time for cluster FA.


## Gene Information:

Gene: BenchScraper_82 Start: 46811, Stop: 46990, Start Num: 3
Candidate Starts for BenchScraper_82:
(Start: 3 @46811 has 7 MA's), (5, 46907), (6, 46913), (7, 46916),
Gene: BillyTP_84 Start: 48917, Stop: 49096, Start Num: 3
Candidate Starts for BillyTP_84:
(Start: 3 @48917 has 7 MA's), (5, 49013), (6, 49019), (7, 49022),
Gene: EvePickles_86 Start: 49283, Stop: 49462, Start Num: 3
Candidate Starts for EvePickles_86:
(1, 49175), (Start: 2 @49277 has 1 MA's), (Start: 3 @49283 has 7 MA's), (5, 49379), (6, 49385), (7, 49388), (8, 49451),

Gene: Hestia_79 Start: 45786, Stop: 45965, Start Num: 3
Candidate Starts for Hestia_79:
(Start: 3 @45786 has 7 MA's), (5, 45882), (6, 45888), (7, 45891), (8, 45954),
Gene: Hillester_89 Start: 48533, Stop: 48712, Start Num: 3
Candidate Starts for Hillester_89:
(1, 48425), (Start: 3 @48533 has 7 MA's), (5, 48629), (6, 48635), (7, 48638),
Gene: Isolde_86 Start: 49022, Stop: 49201, Start Num: 3
Candidate Starts for Isolde_86:
(1, 48914), (Start: 3 @49022 has 7 MA's), (5, 49118), (6, 49124), (7, 49127),
Gene: MidnightRain_91 Start: 49369, Stop: 49548, Start Num: 3
Candidate Starts for MidnightRain_91:
(Start: 3 @49369 has 7 MA's), (5, 49465), (6, 49471), (7, 49474),
Gene: Peas_63 Start: 41407, Stop: 41598, Start Num: 2

Candidate Starts for Peas_63:
(Start: 2 @41407 has 1 MA's), (4, 41434),
Gene: PeggyLeg03_62 Start: 40414, Stop: 40590, Start Num: 3
Candidate Starts for PeggyLeg03_62:
(Start: 3 @40414 has 7 MA's),
Gene: RadFad_90 Start: 48533, Stop: 48712, Start Num: 3
Candidate Starts for RadFad_90:
(1, 48425), (Start: 3 @48533 has 7 MA's), (5, 48629), (6, 48635), (7, 48638),
Gene: Raphaella_83 Start: 47150, Stop: 47329, Start Num: 3
Candidate Starts for Raphaella_83:
(Start: 3 @47150 has 7 MA's), (5, 47246), (6, 47252), (7, 47255),
Gene: Richie_88 Start: 49383, Stop: 49562, Start Num: 3
Candidate Starts for Richie_88:
(Start: 3 @49383 has 7 MA's), (5, 49479), (6, 49485), (7, 49488),
Gene: YoungHarleezy_84 Start: 48663, Stop: 48842, Start Num: 3
Candidate Starts for YoungHarleezy_84:
(1, 48555), (Start: 3 @48663 has 7 MA's), (5, 48759), (6, 48765), (7, 48768),

