# Pham 340229


4
5
6
9
17
18
1: Splinter_24 + 5
4
5
9
13
15
17
18
19
2: TinaLin_27
4
5
9
13
15
16
17
18
19
3: Banquo_28
3
4
5
6
7
11
12
14
17
18
4: Dardanus_26
1
2
3
4
8
10
11
17
5: Catfish_24

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 340229 Report

This analysis was run 11/14/26 on database version 672.

Pham number 340229 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Splinter_24, TZGordon_26, DinoDaryn_26, Vendetta_24, Huffy_26, Goib_25
• Track 2 : TinaLin_27
• Track 3 : Banquo_28
• Track 4 : Dardanus_26
• Track 5 : Catfish_24

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

The start number called the most often in the published annotations is 4, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Banquo_28, Catfish_24, Dardanus_26, DinoDaryn_26, Goib_25, Huffy_26, Splinter_24, TZGordon_26, TinaLin_27, Vendetta_24,

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 4:
• Found in 10 of 10 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_28 (CU1), Catfish_24 (CU5), Dardanus_26 (CU3), DinoDaryn_26 (CU1), Goib_25 (CU1), Huffy_26 (CU1), Splinter_24 (CU1), TZGordon_26 (CU1), TinaLin_27 (CU1), Vendetta_24 (CU1),

**Summary by clusters:**

There are 3 clusters represented in this pham: CU5, CU3, CU1,

Info for manual annotations of cluster CU1:
•Start number 4 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 4 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU5:
•Start number 4 was manually annotated 1 time for cluster CU5.

### *Gene Information:*

Gene: Banquo_28 Start: 20189, Stop: 20431, Start Num: 4
Candidate Starts for Banquo_28:
(Start: 4 @20189 has 10 MA's), (5, 20213), (9, 20264), (13, 20282), (15, 20324), (16, 20333), (17, 20354), (18, 20393), (19, 20405),

Gene: Catfish_24 Start: 20833, Stop: 21081, Start Num: 4
Candidate Starts for Catfish_24:
(1, 20257), (2, 20365), (3, 20524), (Start: 4 @20833 has 10 MA's), (8, 20878), (10, 20914), (11, 20917), (17, 21001),

Gene: Dardanus_26 Start: 19033, Stop: 19278, Start Num: 4
Candidate Starts for Dardanus_26:
(3, 18721), (Start: 4 @19033 has 10 MA's), (5, 19057), (6, 19069), (7, 19072), (11, 19117), (12, 19120), (14, 19138), (17, 19201), (18, 19240),

Gene: DinoDaryn_26 Start: 19059, Stop: 19298, Start Num: 4
Candidate Starts for DinoDaryn_26:
(Start: 4 @19059 has 10 MA's), (5, 19083), (6, 19095), (9, 19134), (17, 19224), (18, 19260),

Gene: Goib_25 Start: 18843, Stop: 19082, Start Num: 4
Candidate Starts for Goib_25:
(Start: 4 @18843 has 10 MA's), (5, 18867), (6, 18879), (9, 18918), (17, 19008), (18, 19044),

Gene: Huffy_26 Start: 19059, Stop: 19298, Start Num: 4
Candidate Starts for Huffy_26:
(Start: 4 @19059 has 10 MA's), (5, 19083), (6, 19095), (9, 19134), (17, 19224), (18, 19260),

Gene: Splinter_24 Start: 18843, Stop: 19082, Start Num: 4
Candidate Starts for Splinter_24:
(Start: 4 @18843 has 10 MA's), (5, 18867), (6, 18879), (9, 18918), (17, 19008), (18, 19044),

Gene: TZGordon_26 Start: 18982, Stop: 19221, Start Num: 4
Candidate Starts for TZGordon_26:
(Start: 4 @18982 has 10 MA's), (5, 19006), (6, 19018), (9, 19057), (17, 19147), (18, 19183),

Gene: TinaLin_27 Start: 19813, Stop: 20055, Start Num: 4
Candidate Starts for TinaLin_27:

(Start: 4 @19813 has 10 MA's), (5, 19837), (9, 19888), (13, 19906), (15, 19948), (17, 19978), (18, 20017), (19, 20029),

Gene: Vendetta_24 Start: 18843, Stop: 19082, Start Num: 4
Candidate Starts for Vendetta_24:
(Start: 4 @18843 has 10 MA's), (5, 18867), (6, 18879), (9, 18918), (17, 19008), (18, 19044),