Pham 342988



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 342988 Report

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

Pham number 342988 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Wocket_22
• Track 2 : Bunnybear_20
• Track 3 : Hyzer_21
• Track 4 : ODay_28
• Track 5 : EmiRose_19

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

The start number called the most often in the published annotations is 12, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bunnybear_20, Hyzer_21, ODay_28, Wocket_22,

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

Genes that do not have the "Most Annotated" start:
• EmiRose_19,

Summary by start number:

Start 9:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EmiRose_19 (singleton),

Start 12:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bunnybear_20 (CZ), Hyzer_21 (CZ1), ODay_28 (DN), Wocket_22 (CV),

Summary by clusters:

There are 5 clusters represented in this pham: DN, CZ, singleton, CZ1, CV,

Info for manual annotations of cluster CV:
•Start number 12 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CZ:
•Start number 12 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 12 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster DN:
•Start number 12 was manually annotated 1 time for cluster DN.

Gene Information:

Gene: Bunnybear_20 Start: 20127, Stop: 21008, Start Num: 12
Candidate Starts for Bunnybear_20:
(1, 19452), (2, 19455), (3, 19557), (4, 19689), (5, 19863), (8, 19920), (Start: 12 @20127 has 4 MA's), (17, 20274), (19, 20310), (23, 20379), (27, 20520), (30, 20637), (31, 20652), (32, 20685), (33, 20745), (34, 20763), (35, 20793), (37, 20856),

Gene: EmiRose_19 Start: 16417, Stop: 17361, Start Num: 9
Candidate Starts for EmiRose_19:
(Start: 9 @16417 has 1 MA's), (10, 16432), (11, 16459), (13, 16600), (14, 16639), (15, 16657), (16, 16660), (18, 16768), (21, 16813), (28, 16999), (30, 17092), (36, 17263),

Gene: Hyzer_21 Start: 20255, Stop: 21136, Start Num: 12
Candidate Starts for Hyzer_21:
(4, 19817), (5, 19991), (8, 20048), (Start: 12 @20255 has 4 MA's), (17, 20402), (19, 20438), (22, 20483), (23, 20507), (27, 20648), (29, 20678), (30, 20765), (32, 20813), (33, 20873), (34, 20891), (37, 20984),

Gene: ODay_28 Start: 21462, Stop: 22349, Start Num: 12
Candidate Starts for ODay_28:
(5, 21204), (6, 21240), (7, 21258), (Start: 12 @21462 has 4 MA's), (17, 21609), (19, 21645), (20, 21672), (22, 21690), (24, 21723), (25, 21801), (26, 21831), (27, 21858), (30, 21975), (33, 22083), (34, 22101), (38, 22230),

Gene: Wocket_22 Start: 19228, Stop: 20109, Start Num: 12
Candidate Starts for Wocket_22:
(1, 18553), (2, 18556), (4, 18790), (5, 18964), (8, 19021), (Start: 12 @19228 has 4 MA's), (17, 19375), (19, 19411), (23, 19480), (27, 19621), (30, 19738), (31, 19753), (32, 19786), (33, 19846), (34, 19864), (35, 19894), (37, 19957),