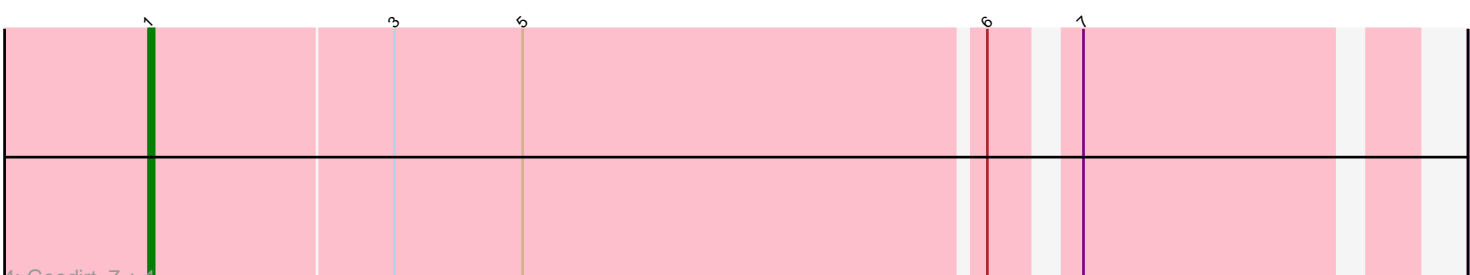


Pham 6375



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 6375 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6375 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : MalagasyRose_73
- Track 2 : RosiePosie_102, MoyaNatalis_102, JayCookie_103
- Track 3 : Conboy_101
- Track 4 : Geodirt_7, ChadMasterC_7
- Track 5 : Zitch_19

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ChadMasterC_7, Geodirt_7, MalagasyRose_73, Zitch_19,

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

-

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

- Conboy_101, JayCookie_103, MoyaNatalis_102, RosiePosie_102,

Summary by start number:

Start 1:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ChadMasterC_7 (DE1), Geodirt_7 (DE1), MalagasyRose_73 (AG), Zitch_19 (DE4),

Start 2:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Conboy_101 (AR), JayCookie_103 (AR), MoyaNatalis_102 (AR), RosiePosie_102 (AR),

Summary by clusters:

There are 4 clusters represented in this pham: DE1, AR, DE4, AG,

Info for manual annotations of cluster AG:

- Start number 1 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AR:

- Start number 2 was manually annotated 3 times for cluster AR.

Info for manual annotations of cluster DE1:

- Start number 1 was manually annotated 2 times for cluster DE1.

Info for manual annotations of cluster DE4:

- Start number 1 was manually annotated 1 time for cluster DE4.

Gene Information:

Gene: ChadMasterC_7 Start: 4888, Stop: 5109, Start Num: 1

Candidate Starts for ChadMasterC_7:

(Start: 1 @4888 has 4 MA's), (3, 4933), (5, 4957), (6, 5041), (7, 5053),

Gene: Conboy_101 Start: 64712, Stop: 64909, Start Num: 2

Candidate Starts for Conboy_101:

(Start: 2 @64712 has 3 MA's), (5, 64742), (10, 64868), (11, 64892), (12, 64901),

Gene: Geodirt_7 Start: 4928, Stop: 5149, Start Num: 1

Candidate Starts for Geodirt_7:

(Start: 1 @4928 has 4 MA's), (3, 4973), (5, 4997), (6, 5081), (7, 5093),

Gene: JayCookie_103 Start: 65445, Stop: 65642, Start Num: 2

Candidate Starts for JayCookie_103:

(Start: 2 @65445 has 3 MA's), (5, 65475), (10, 65601), (11, 65625), (12, 65634),

Gene: MalagasyRose_73 Start: 48648, Stop: 48878, Start Num: 1

Candidate Starts for MalagasyRose_73:

(Start: 1 @48648 has 4 MA's), (4, 48702), (5, 48717), (6, 48801), (8, 48819), (9, 48825),

Gene: MoyaNatalis_102 Start: 64891, Stop: 65088, Start Num: 2

Candidate Starts for MoyaNatalis_102:

(Start: 2 @64891 has 3 MA's), (5, 64921), (10, 65047), (11, 65071), (12, 65080),

Gene: RosiePosie_102 Start: 65007, Stop: 65204, Start Num: 2

Candidate Starts for RosiePosie_102:

(Start: 2 @65007 has 3 MA's), (5, 65037), (10, 65163), (11, 65187), (12, 65196),

Gene: Zitch_19 Start: 11259, Stop: 11480, Start Num: 1

Candidate Starts for Zitch_19:

(Start: 1 @11259 has 4 MA's), (3, 11304), (5, 11328), (6, 11412), (7, 11424), (8, 11430),