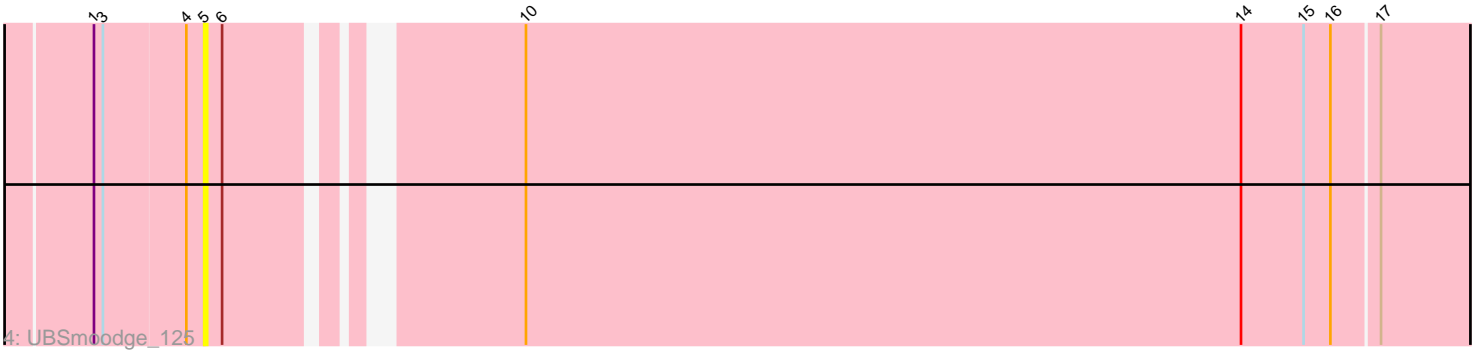
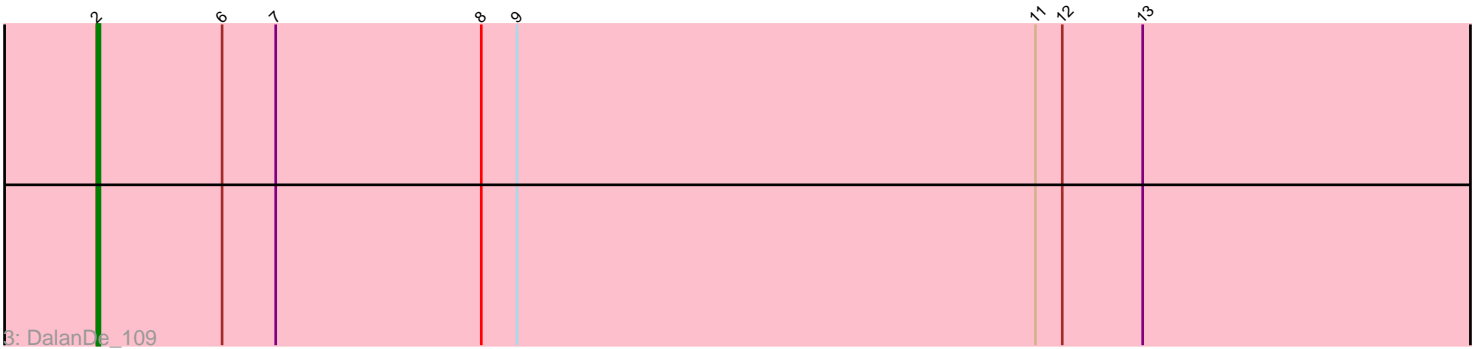


Pham 9617



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 9617 Report

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

Pham number 9617 has 13 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Gray_122, Alok_117, Schomber_124, Kabocha_127, Chidiebere_126, Pakusa_119, Oogie_122, Hanem_124, ChisanaKitsune_124
- Track 2 : FlyingTortilla_123, ScarletRaider_123
- Track 3 : DalanDe_109
- Track 4 : UBSmoodge_125

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alok_117, Chidiebere_126, ChisanaKitsune_124, Gray_122, Hanem_124, Kabocha_127, Oogie_122, Pakusa_119, Schomber_124,

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

- FlyingTortilla_123, ScarletRaider_123, UBSmoodge_125,

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

- DalanDe_109,

Summary by start number:

Start 2:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DalanDe_109 (DQ),

Start 3:

- Found in 12 of 13 (92.3%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 75.0% of time when present

- Phage (with cluster) where this start called: Alok_i_117 (DQ), Chidiebere_126 (DQ), ChisanaKitsune_124 (DQ), Gray_122 (DQ), Hanem_124 (DQ), Kabocha_127 (DQ), Oogie_122 (DQ), Pakusa_119 (DQ), Schomber_124 (DQ),

Start 5:

- Found in 3 of 13 (23.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FlyingTortilla_123 (DQ), ScarletRaider_123 (DQ), UBSmoodge_125 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 2 was manually annotated 1 time for cluster DQ.
- Start number 3 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Alok_i_117 Start: 87107, Stop: 87628, Start Num: 3

Candidate Starts for Alok_i_117:

(Start: 3 @87107 has 6 MA's), (4, 87134), (10, 87227), (11, 87398), (16, 87497),

Gene: Chidiebere_126 Start: 89010, Stop: 89531, Start Num: 3

Candidate Starts for Chidiebere_126:

(Start: 3 @89010 has 6 MA's), (4, 89037), (10, 89130), (11, 89301), (16, 89400),

Gene: ChisanaKitsune_124 Start: 87253, Stop: 87774, Start Num: 3

Candidate Starts for ChisanaKitsune_124:

(Start: 3 @87253 has 6 MA's), (4, 87280), (10, 87373), (11, 87544), (16, 87643),

Gene: DalanDe_109 Start: 85215, Stop: 85697, Start Num: 2

Candidate Starts for DalanDe_109:

(Start: 2 @85215 has 1 MA's), (6, 85257), (7, 85275), (8, 85344), (9, 85356), (11, 85530), (12, 85539), (13, 85566),

Gene: FlyingTortilla_123 Start: 91022, Stop: 91498, Start Num: 5

Candidate Starts for FlyingTortilla_123:

(1, 90986), (Start: 3 @90989 has 6 MA's), (4, 91016), (5, 91022), (6, 91028), (10, 91109),

Gene: Gray_122 Start: 87566, Stop: 88087, Start Num: 3

Candidate Starts for Gray_122:

(Start: 3 @87566 has 6 MA's), (4, 87593), (10, 87686), (11, 87857), (16, 87956),

Gene: Hanem_124 Start: 87107, Stop: 87628, Start Num: 3

Candidate Starts for Hanem_124:

(Start: 3 @87107 has 6 MA's), (4, 87134), (10, 87227), (11, 87398), (16, 87497),

Gene: Kabocha_127 Start: 89823, Stop: 90323, Start Num: 3

Candidate Starts for Kabocha_127:

(Start: 3 @89823 has 6 MA's), (4, 89850), (10, 89943), (11, 90114), (16, 90213),

Gene: Oogie_122 Start: 89531, Stop: 90052, Start Num: 3

Candidate Starts for Oogie_122:

(Start: 3 @89531 has 6 MA's), (4, 89558), (10, 89651), (11, 89822), (16, 89921),

Gene: Pakusa_119 Start: 87035, Stop: 87556, Start Num: 3

Candidate Starts for Pakusa_119:

(Start: 3 @87035 has 6 MA's), (4, 87062), (10, 87155), (11, 87326), (16, 87425),

Gene: ScarletRaider_123 Start: 90239, Stop: 90691, Start Num: 5

Candidate Starts for ScarletRaider_123:

(1, 90203), (Start: 3 @90206 has 6 MA's), (4, 90233), (5, 90239), (6, 90245), (10, 90326),

Gene: Schomber_124 Start: 88211, Stop: 88732, Start Num: 3

Candidate Starts for Schomber_124:

(Start: 3 @88211 has 6 MA's), (4, 88238), (10, 88331), (11, 88502), (16, 88601),

Gene: UBSmoodge_125 Start: 90837, Stop: 91292, Start Num: 5

Candidate Starts for UBSmoodge_125:

(1, 90801), (Start: 3 @90804 has 6 MA's), (4, 90831), (5, 90837), (6, 90843), (10, 90924), (14, 91164),
(15, 91185), (16, 91194), (17, 91209),