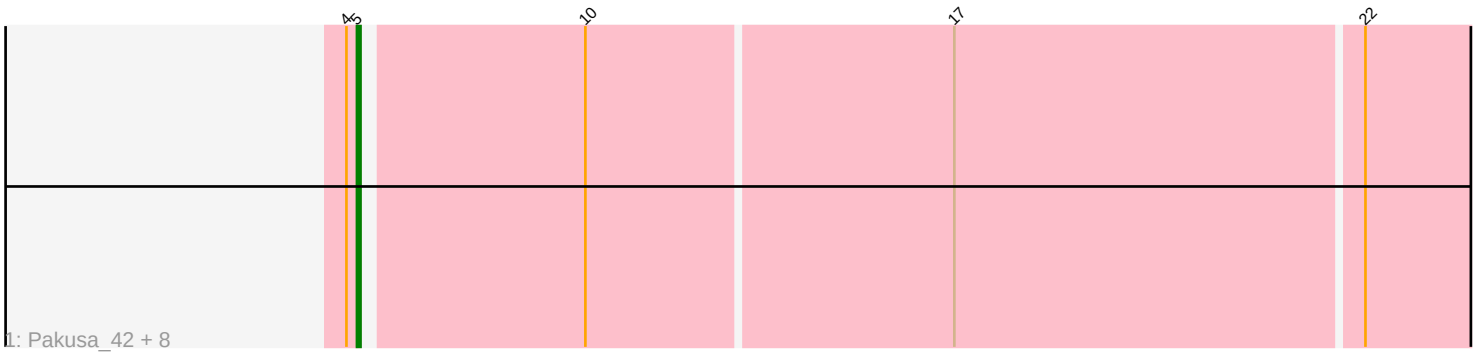
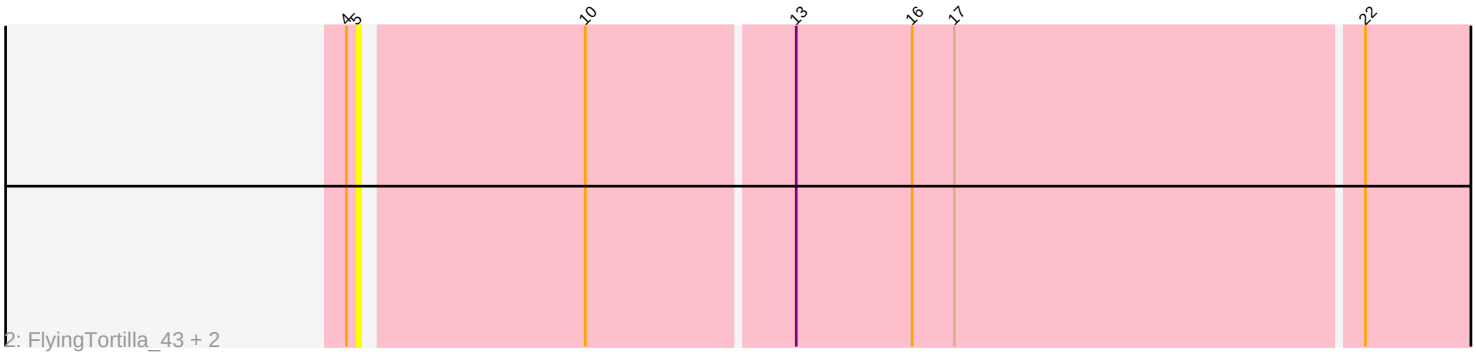
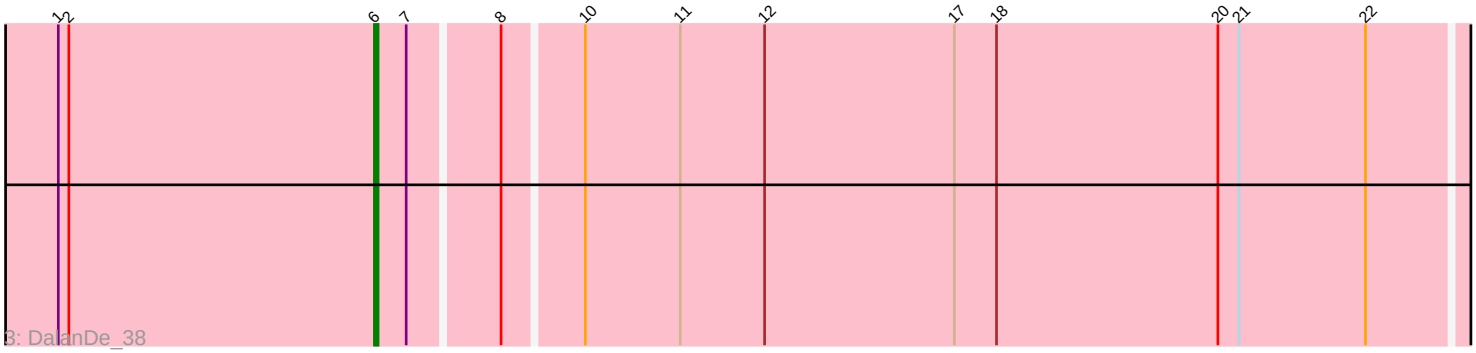
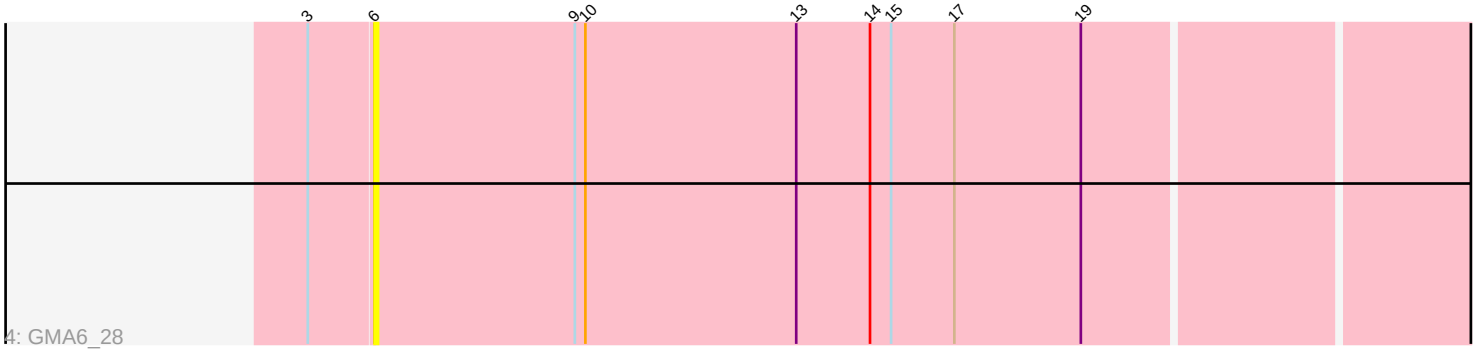
Pham 8981


4
5
10
17
22
1: Pakusa_42 + 8


4
5
10
13
16
17
22
2: FlyingTortilla_43 + 2


12
6
7
8
10
11
12
17
18
20
21
22
3: DalanDe_38


3
6
9
10
13
14
15
17
19
4: GMA6_28

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 8981 Report

This analysis was run 04/05/24 on database version 557.

Pham number 8981 has 14 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Pakusa_42, Schomber_43, ChisanaKitsune_40, Kabocha_45, Hanem_44, Chidiebere_44, Gray_44, Oogie_44, Aloki_42
• Track 2 : FlyingTortilla_43, UBSmoodge_45, ScarletRaider_43
• Track 3 : DalanDe_38
• Track 4 : GMA6_28

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_42, Chidiebere_44, ChisanaKitsune_40, FlyingTortilla_43, Gray_44, Hanem_44, Kabocha_45, Oogie_44, Pakusa_42, ScarletRaider_43, Schomber_43, UBSmoodge_45,

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

Genes that do not have the "Most Annotated" start:
• DalanDe_38, GMA6_28,

Summary by start number:

Start 5:
• Found in 12 of 14 (85.7%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_42 (DQ), Chidiebere_44 (DQ), ChisanaKitsune_40 (DQ), FlyingTortilla_43 (DQ), Gray_44 (DQ), Hanem_44 (DQ), Kabocha_45 (DQ), Oogie_44 (DQ), Pakusa_42 (DQ), ScarletRaider_43 (DQ), Schomber_43 (DQ), UBSmoodge_45 (DQ),

Start 6:

• Found in 2 of 14 (14.3%) 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_38 (DQ), GMA6_28 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 5 was manually annotated 6 times for cluster DQ.
•Start number 6 was manually annotated 1 time for cluster DQ.

Gene Information:

Gene: Aloki_42 Start: 30951, Stop: 31280, Start Num: 5
Candidate Starts for Aloki_42:
(4, 30948), (Start: 5 @30951 has 6 MA's), (10, 31011), (17, 31113), (22, 31227),

Gene: Chidiebere_44 Start: 30951, Stop: 31280, Start Num: 5
Candidate Starts for Chidiebere_44:
(4, 30948), (Start: 5 @30951 has 6 MA's), (10, 31011), (17, 31113), (22, 31227),

Gene: ChisanaKitsune_40 Start: 29742, Stop: 30071, Start Num: 5
Candidate Starts for ChisanaKitsune_40:
(4, 29739), (Start: 5 @29742 has 6 MA's), (10, 29802), (17, 29904), (22, 30018),

Gene: DalanDe_38 Start: 33639, Stop: 33965, Start Num: 6
Candidate Starts for DalanDe_38:
(1, 33549), (2, 33552), (Start: 6 @33639 has 1 MA's), (7, 33648), (8, 33672), (10, 33693), (11, 33720), (12, 33744), (17, 33798), (18, 33810), (20, 33873), (21, 33879), (22, 33915),

Gene: FlyingTortilla_43 Start: 33816, Stop: 34145, Start Num: 5
Candidate Starts for FlyingTortilla_43:
(4, 33813), (Start: 5 @33816 has 6 MA's), (10, 33876), (13, 33933), (16, 33966), (17, 33978), (22, 34092),

Gene: GMA6_28 Start: 21703, Stop: 22032, Start Num: 6
Candidate Starts for GMA6_28:
(3, 21685), (Start: 6 @21703 has 1 MA's), (9, 21760), (10, 21763), (13, 21823), (14, 21844), (15, 21850), (17, 21868), (19, 21904),

Gene: Gray_44 Start: 30952, Stop: 31281, Start Num: 5
Candidate Starts for Gray_44:
(4, 30949), (Start: 5 @30952 has 6 MA's), (10, 31012), (17, 31114), (22, 31228),

Gene: Hanem_44 Start: 30951, Stop: 31280, Start Num: 5
Candidate Starts for Hanem_44:
(4, 30948), (Start: 5 @30951 has 6 MA's), (10, 31011), (17, 31113), (22, 31227),

Gene: Kabocha_45 Start: 31764, Stop: 32093, Start Num: 5

Candidate Starts for Kabocha_45:
(4, 31761), (Start: 5 @31764 has 6 MA's), (10, 31824), (17, 31926), (22, 32040),

Gene: Oogie_44 Start: 32657, Stop: 32986, Start Num: 5
Candidate Starts for Oogie_44:
(4, 32654), (Start: 5 @32657 has 6 MA's), (10, 32717), (17, 32819), (22, 32933),

Gene: Pakusa_42 Start: 30693, Stop: 31022, Start Num: 5
Candidate Starts for Pakusa_42:
(4, 30690), (Start: 5 @30693 has 6 MA's), (10, 30753), (17, 30855), (22, 30969),

Gene: ScarletRaider_43 Start: 33843, Stop: 34172, Start Num: 5
Candidate Starts for ScarletRaider_43:
(4, 33840), (Start: 5 @33843 has 6 MA's), (10, 33903), (13, 33960), (16, 33993), (17, 34005), (22, 34119),

Gene: Schomber_43 Start: 30701, Stop: 31030, Start Num: 5
Candidate Starts for Schomber_43:
(4, 30698), (Start: 5 @30701 has 6 MA's), (10, 30761), (17, 30863), (22, 30977),

Gene: UBSmoodge_45 Start: 33577, Stop: 33906, Start Num: 5
Candidate Starts for UBSmoodge_45:
(4, 33574), (Start: 5 @33577 has 6 MA's), (10, 33637), (13, 33694), (16, 33727), (17, 33739), (22, 33853),