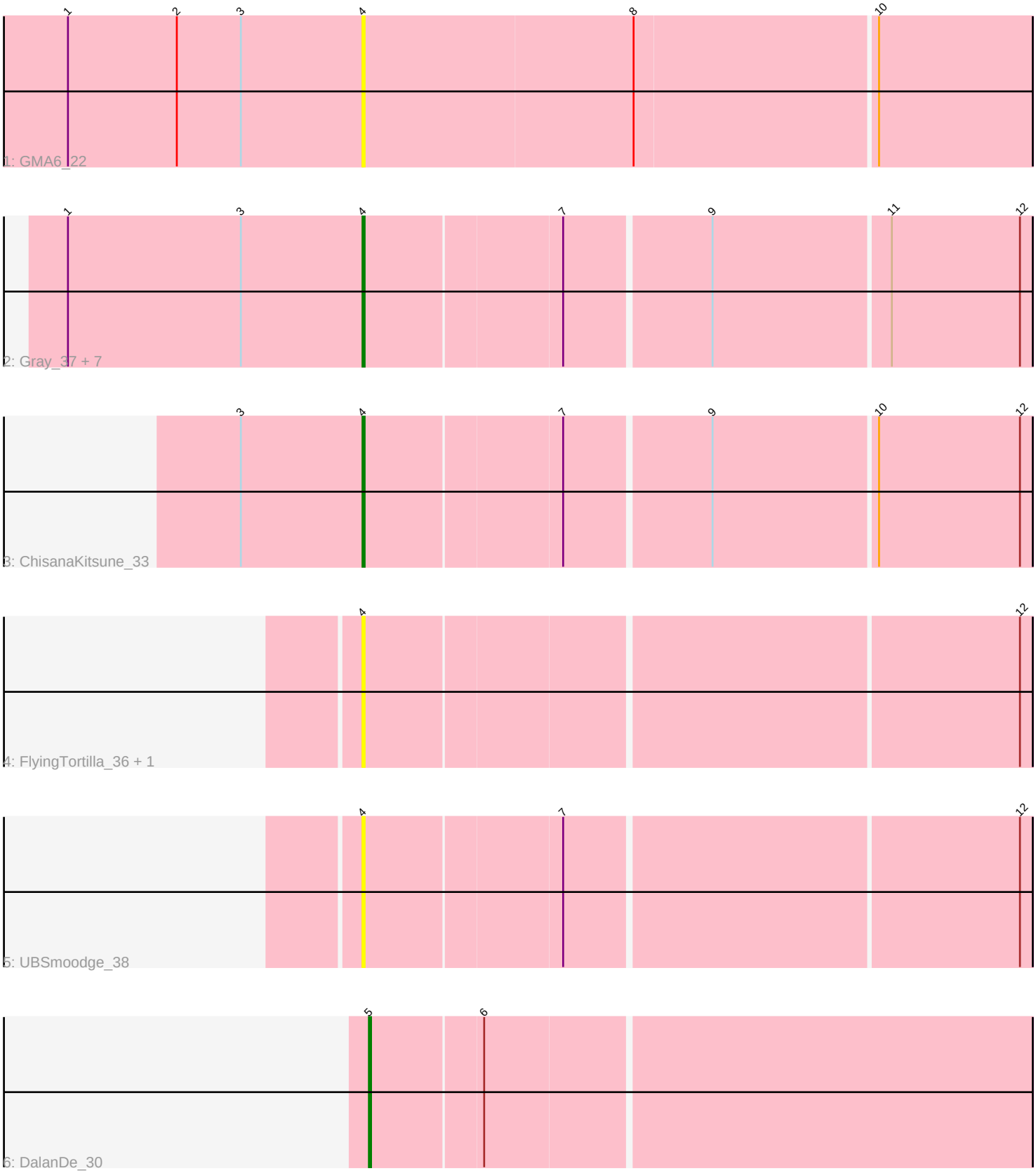
Pham 87361


1
2
3
4
8
10
1: GMA6_22
1
3
4
7
9
11
12
2: Gray_37 + 7
3
4
7
9
10
12
3: ChisanaKitsune_33
4
12
4: FlyingTortilla_36 + 1
4
7
12
5: UBSmoodge_38
5
6
6: DalanDe_30

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 87361 Report

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

Pham number 87361 has 14 members, 7 are drafts.

Phages represented in each track:
• Track 1 : GMA6_22
• Track 2 : Gray_37, Aloki_35, Kabocha_38, Pakusa_35, Chidiebere_37, Schomber_36, Hanem_37, Oogie_37
• Track 3 : ChisanaKitsune_33
• Track 4 : FlyingTortilla_36, ScarletRaider_36
• Track 5 : UBSmoodge_38
• Track 6 : DalanDe_30

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

Genes that call this "Most Annotated" start:
• Aloki_35, Chidiebere_37, ChisanaKitsune_33, FlyingTortilla_36, GMA6_22, Gray_37, Hanem_37, Kabocha_38, Oogie_37, Pakusa_35, ScarletRaider_36, Schomber_36, UBSmoodge_38,

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

Genes that do not have the "Most Annotated" start:
• DalanDe_30,

Summary by start number:

Start 4:
• Found in 13 of 14 (92.9%) 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_35 (DQ), Chidiebere_37 (DQ), ChisanaKitsune_33 (DQ), FlyingTortilla_36 (DQ), GMA6_22 (DQ), Gray_37 (DQ), Hanem_37 (DQ), Kabocha_38 (DQ), Oogie_37 (DQ), Pakusa_35 (DQ), ScarletRaider_36 (DQ), Schomber_36 (DQ), UBSmoodge_38 (DQ),

Start 5:
• Found in 1 of 14 (7.1%) 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_30 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 4 was manually annotated 6 times for cluster DQ.
•Start number 5 was manually annotated 1 time for cluster DQ.

Gene Information:

Gene: Aloki_35 Start: 26941, Stop: 27243, Start Num: 4
Candidate Starts for Aloki_35:
(1, 26803), (3, 26884), (Start: 4 @26941 has 6 MA's), (7, 27031), (9, 27097), (11, 27178), (12, 27238),

Gene: Chidiebere_37 Start: 26941, Stop: 27243, Start Num: 4
Candidate Starts for Chidiebere_37:
(1, 26803), (3, 26884), (Start: 4 @26941 has 6 MA's), (7, 27031), (9, 27097), (11, 27178), (12, 27238),

Gene: ChisanaKitsune_33 Start: 25734, Stop: 26036, Start Num: 4
Candidate Starts for ChisanaKitsune_33:
(3, 25677), (Start: 4 @25734 has 6 MA's), (7, 25824), (9, 25890), (10, 25965), (12, 26031),

Gene: DalanDe_30 Start: 29173, Stop: 29475, Start Num: 5
Candidate Starts for DalanDe_30:
(Start: 5 @29173 has 1 MA's), (6, 29224),

Gene: FlyingTortilla_36 Start: 29798, Stop: 30100, Start Num: 4
Candidate Starts for FlyingTortilla_36:
(Start: 4 @29798 has 6 MA's), (12, 30095),

Gene: GMA6_22 Start: 18785, Stop: 19093, Start Num: 4
Candidate Starts for GMA6_22:
(1, 18647), (2, 18698), (3, 18728), (Start: 4 @18785 has 6 MA's), (8, 18911), (10, 19022),

Gene: Gray_37 Start: 26941, Stop: 27243, Start Num: 4
Candidate Starts for Gray_37:
(1, 26803), (3, 26884), (Start: 4 @26941 has 6 MA's), (7, 27031), (9, 27097), (11, 27178), (12, 27238),

Gene: Hanem_37 Start: 26941, Stop: 27243, Start Num: 4
Candidate Starts for Hanem_37:
(1, 26803), (3, 26884), (Start: 4 @26941 has 6 MA's), (7, 27031), (9, 27097), (11, 27178), (12, 27238),

Gene: Kabocha_38 Start: 27754, Stop: 28056, Start Num: 4
Candidate Starts for Kabocha_38:

(1, 27616), (3, 27697), (Start: 4 @27754 has 6 MA's), (7, 27844), (9, 27910), (11, 27991), (12, 28051),

Gene: Oogie_37 Start: 28647, Stop: 28949, Start Num: 4
Candidate Starts for Oogie_37:
(1, 28509), (3, 28590), (Start: 4 @28647 has 6 MA's), (7, 28737), (9, 28803), (11, 28884), (12, 28944),

Gene: Pakusa_35 Start: 26683, Stop: 26985, Start Num: 4
Candidate Starts for Pakusa_35:
(1, 26545), (3, 26626), (Start: 4 @26683 has 6 MA's), (7, 26773), (9, 26839), (11, 26920), (12, 26980),

Gene: ScarletRaider_36 Start: 29825, Stop: 30127, Start Num: 4
Candidate Starts for ScarletRaider_36:
(Start: 4 @29825 has 6 MA's), (12, 30122),

Gene: Schomber_36 Start: 26691, Stop: 26993, Start Num: 4
Candidate Starts for Schomber_36:
(1, 26553), (3, 26634), (Start: 4 @26691 has 6 MA's), (7, 26781), (9, 26847), (11, 26928), (12, 26988),

Gene: UBSmoodge_38 Start: 29559, Stop: 29861, Start Num: 4
Candidate Starts for UBSmoodge_38:
(Start: 4 @29559 has 6 MA's), (7, 29649), (12, 29856),