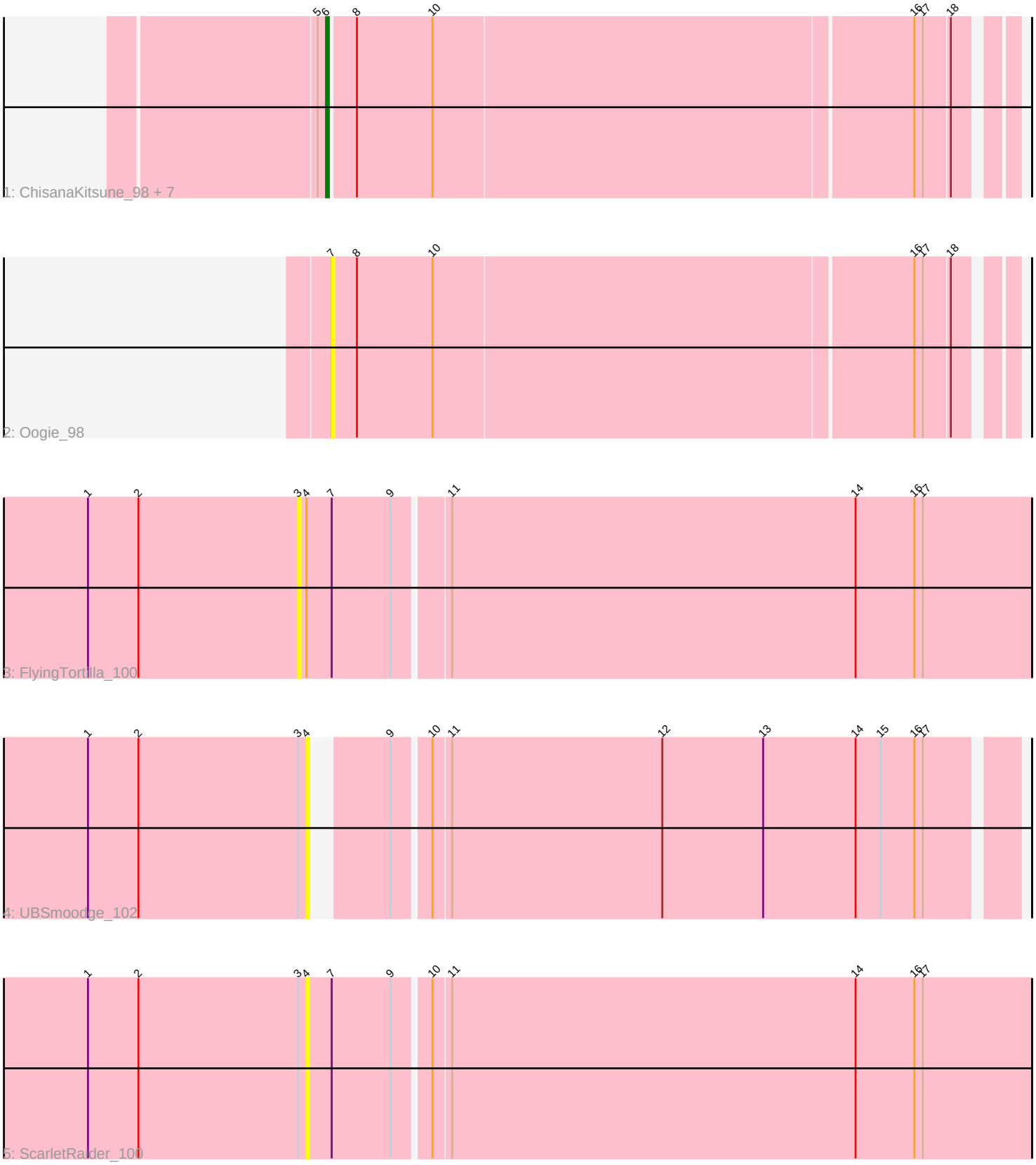
Pham 136013


5
6
8
10
16
17
18
1: ChisanaKitsune_98 + 7
7
8
10
16
17
18
2: Oogie_98
1
2
3
4
7
9
11
14
16
17
3: FlyingTortilla_100
1
2
3
4
9
10
11
12
13
14
15
16
17
4: UBSmoodge_102
1
2
3
4
7
9
10
11
14
16
17
5: ScarletRaider_100

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 136013 Report

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

Pham number 136013 has 12 members, 6 are drafts.

Phages represented in each track:
• Track 1 : ChisanaKitsune_98, Gray_100, Aloki_94, Chidiebere_100, Pakusa_95, Kabocha_101, Schomber_98, Hanem_99
• Track 2 : Oogie_98
• Track 3 : FlyingTortilla_100
• Track 4 : UBSmoodge_102
• Track 5 : ScarletRaider_100

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

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

Genes that call this "Most Annotated" start:
• Aloki_94, Chidiebere_100, ChisanaKitsune_98, Gray_100, Hanem_99, Kabocha_101, Pakusa_95, Schomber_98,

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

Genes that do not have the "Most Annotated" start:
• FlyingTortilla_100, Oogie_98, ScarletRaider_100, UBSmoodge_102,

Summary by start number:

Start 3:
• Found in 3 of 12 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: FlyingTortilla_100 (DQ),

Start 4:
• Found in 3 of 12 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present

• Phage (with cluster) where this start called: ScarletRaider_100 (DQ), UBSmoodge_102 (DQ),

Start 6:
• Found in 8 of 12 (66.7%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_94 (DQ), Chidiebere_100 (DQ), ChisanaKitsune_98 (DQ), Gray_100 (DQ), Hanem_99 (DQ), Kabocha_101 (DQ), Pakusa_95 (DQ), Schomber_98 (DQ),

Start 7:
• Found in 3 of 12 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Oogie_98 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

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

Gene Information:

Gene: Aloki_94 Start: 73031, Stop: 73264, Start Num: 6
Candidate Starts for Aloki_94:
(5, 73028), (Start: 6 @73031 has 6 MA's), (8, 73040), (10, 73067), (16, 73235), (17, 73238), (18, 73247),

Gene: Chidiebere_100 Start: 73681, Stop: 73914, Start Num: 6
Candidate Starts for Chidiebere_100:
(5, 73678), (Start: 6 @73681 has 6 MA's), (8, 73690), (10, 73717), (16, 73885), (17, 73888), (18, 73897),

Gene: ChisanaKitsune_98 Start: 73029, Stop: 73262, Start Num: 6
Candidate Starts for ChisanaKitsune_98:
(5, 73026), (Start: 6 @73029 has 6 MA's), (8, 73038), (10, 73065), (16, 73233), (17, 73236), (18, 73245),

Gene: FlyingTortilla_100 Start: 76970, Stop: 77227, Start Num: 3
Candidate Starts for FlyingTortilla_100:
(1, 76895), (2, 76913), (3, 76970), (4, 76973), (7, 76982), (9, 77003), (11, 77021), (14, 77165), (16, 77186), (17, 77189),

Gene: Gray_100 Start: 73292, Stop: 73525, Start Num: 6
Candidate Starts for Gray_100:
(5, 73289), (Start: 6 @73292 has 6 MA's), (8, 73301), (10, 73328), (16, 73496), (17, 73499), (18, 73508),

Gene: Hanem_99 Start: 73031, Stop: 73264, Start Num: 6
Candidate Starts for Hanem_99:
(5, 73028), (Start: 6 @73031 has 6 MA's), (8, 73040), (10, 73067), (16, 73235), (17, 73238), (18, 73247),

Gene: Kabocha_101 Start: 74494, Stop: 74727, Start Num: 6
Candidate Starts for Kabocha_101:
(5, 74491), (Start: 6 @74494 has 6 MA's), (8, 74503), (10, 74530), (16, 74698), (17, 74701), (18, 74710),

Gene: Oogie_98 Start: 74969, Stop: 75202, Start Num: 7
Candidate Starts for Oogie_98:
(7, 74969), (8, 74978), (10, 75005), (16, 75173), (17, 75176), (18, 75185),

Gene: Pakusa_95 Start: 72757, Stop: 72990, Start Num: 6
Candidate Starts for Pakusa_95:
(5, 72754), (Start: 6 @72757 has 6 MA's), (8, 72766), (10, 72793), (16, 72961), (17, 72964), (18, 72973),

Gene: ScarletRaider_100 Start: 76315, Stop: 76569, Start Num: 4
Candidate Starts for ScarletRaider_100:
(1, 76237), (2, 76255), (3, 76312), (4, 76315), (7, 76324), (9, 76345), (10, 76357), (11, 76363), (14, 76507), (16, 76528), (17, 76531),

Gene: Schomber_98 Start: 72882, Stop: 73115, Start Num: 6
Candidate Starts for Schomber_98:
(5, 72879), (Start: 6 @72882 has 6 MA's), (8, 72891), (10, 72918), (16, 73086), (17, 73089), (18, 73098),

Gene: UBSmoodge_102 Start: 76774, Stop: 77010, Start Num: 4
Candidate Starts for UBSmoodge_102:
(1, 76696), (2, 76714), (3, 76771), (4, 76774), (9, 76795), (10, 76807), (11, 76813), (12, 76888), (13, 76924), (14, 76957), (15, 76966), (16, 76978), (17, 76981),