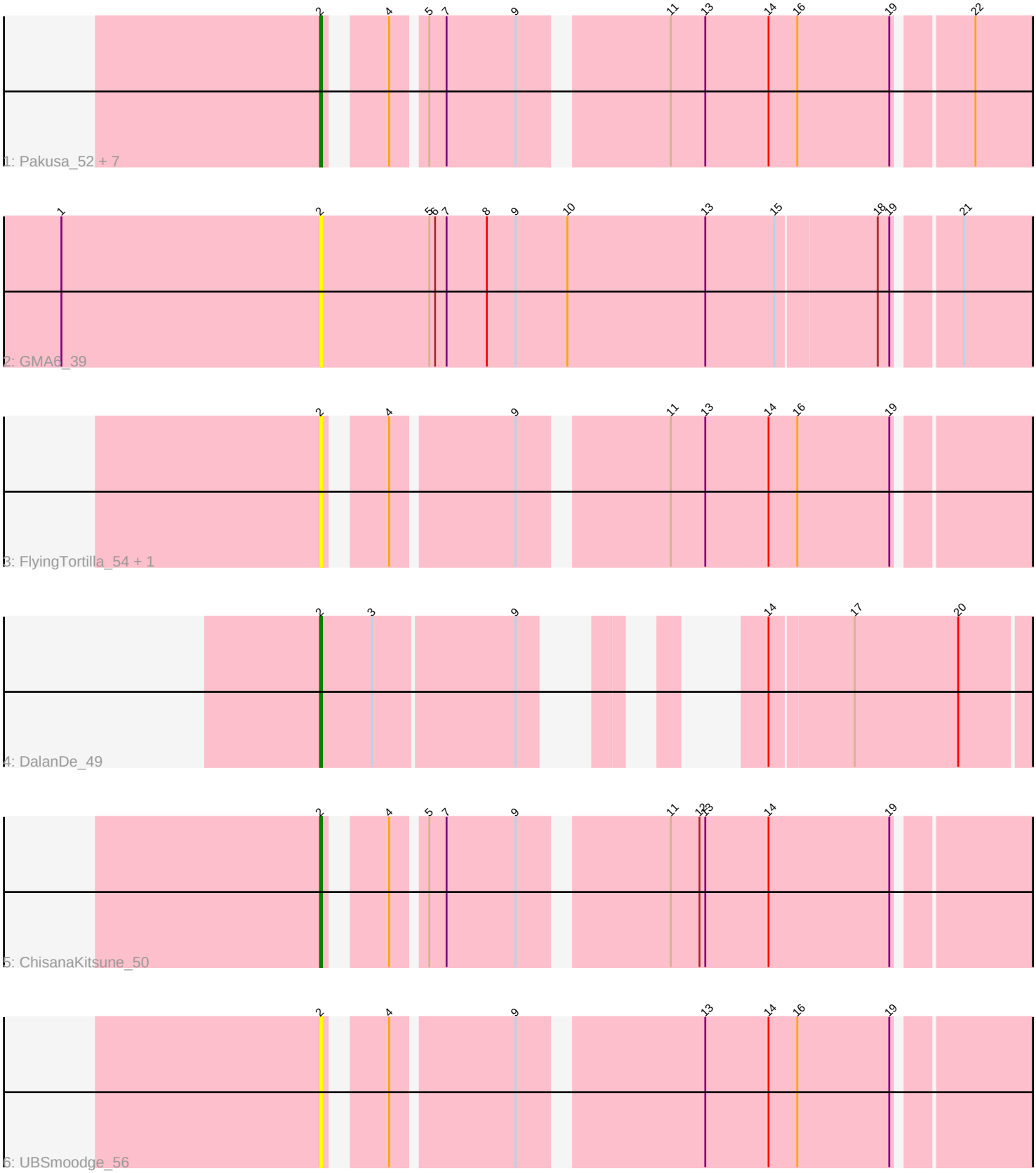
Pham 8273


2 4 5 7 9 11 13 14 16 19 22
1: Pakusa_52 + 7
1 2 5 6 7 8 9 10 13 15 18 19 21
2: GMA6_39
2 4 9 11 13 14 16 19
3: FlyingTortilla_54 + 1
2 3 9 14 17 20
4: DalanDe_49
2 4 5 7 9 11 12 13 14 19
5: ChisanaKitsune_50
2 4 9 13 14 16 19
6: UBSmoodge_56

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 8273 Report

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

Pham number 8273 has 14 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Pakusa_52, Oogie_54, Aloki_52, Chidiebere_54, Kabocha_55, Schomber_53, Gray_54, Hanem_54
• Track 2 : GMA6_39
• Track 3 : FlyingTortilla_54, ScarletRaider_53
• Track 4 : DalanDe_49
• Track 5 : ChisanaKitsune_50
• Track 6 : UBSmoodge_56

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_52, Chidiebere_54, ChisanaKitsune_50, DalanDe_49, FlyingTortilla_54, GMA6_39, Gray_54, Hanem_54, Kabocha_55, Oogie_54, Pakusa_52, ScarletRaider_53, Schomber_53, UBSmoodge_56,

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

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

Summary by start number:

Start 2:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_52 (DQ), Chidiebere_54 (DQ), ChisanaKitsune_50 (DQ), DalanDe_49 (DQ), FlyingTortilla_54 (DQ), GMA6_39 (DQ), Gray_54 (DQ), Hanem_54 (DQ), Kabocha_55 (DQ), Oogie_54 (DQ), Pakusa_52 (DQ), ScarletRaider_53 (DQ), Schomber_53 (DQ), UBSmoodge_56 (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 7 times for cluster DQ.

Gene Information:

Gene: Aloki_52 Start: 41372, Stop: 41761, Start Num: 2
Candidate Starts for Aloki_52:
(Start: 2 @41372 has 7 MA's), (4, 41396), (5, 41411), (7, 41420), (9, 41456), (11, 41525), (13, 41543), (14, 41576), (16, 41591), (19, 41639), (22, 41675),

Gene: Chidiebere_54 Start: 41372, Stop: 41761, Start Num: 2
Candidate Starts for Chidiebere_54:
(Start: 2 @41372 has 7 MA's), (4, 41396), (5, 41411), (7, 41420), (9, 41456), (11, 41525), (13, 41543), (14, 41576), (16, 41591), (19, 41639), (22, 41675),

Gene: ChisanaKitsune_50 Start: 40163, Stop: 40552, Start Num: 2
Candidate Starts for ChisanaKitsune_50:
(Start: 2 @40163 has 7 MA's), (4, 40187), (5, 40202), (7, 40211), (9, 40247), (11, 40316), (12, 40331), (13, 40334), (14, 40367), (19, 40430),

Gene: DalanDe_49 Start: 44382, Stop: 44693, Start Num: 2
Candidate Starts for DalanDe_49:
(Start: 2 @44382 has 7 MA's), (3, 44409), (9, 44481), (14, 44535), (17, 44577), (20, 44631),

Gene: FlyingTortilla_54 Start: 44953, Stop: 45342, Start Num: 2
Candidate Starts for FlyingTortilla_54:
(Start: 2 @44953 has 7 MA's), (4, 44977), (9, 45037), (11, 45106), (13, 45124), (14, 45157), (16, 45172), (19, 45220),

Gene: GMA6_39 Start: 32691, Stop: 33092, Start Num: 2
Candidate Starts for GMA6_39:
(1, 32556), (Start: 2 @32691 has 7 MA's), (5, 32748), (6, 32751), (7, 32757), (8, 32778), (9, 32793), (10, 32820), (13, 32892), (15, 32928), (18, 32979), (19, 32985), (21, 33015),

Gene: Gray_54 Start: 41373, Stop: 41762, Start Num: 2
Candidate Starts for Gray_54:
(Start: 2 @41373 has 7 MA's), (4, 41397), (5, 41412), (7, 41421), (9, 41457), (11, 41526), (13, 41544), (14, 41577), (16, 41592), (19, 41640), (22, 41676),

Gene: Hanem_54 Start: 41372, Stop: 41761, Start Num: 2
Candidate Starts for Hanem_54:
(Start: 2 @41372 has 7 MA's), (4, 41396), (5, 41411), (7, 41420), (9, 41456), (11, 41525), (13, 41543), (14, 41576), (16, 41591), (19, 41639), (22, 41675),

Gene: Kabocha_55 Start: 42185, Stop: 42574, Start Num: 2
Candidate Starts for Kabocha_55:

(Start: 2 @42185 has 7 MA's), (4, 42209), (5, 42224), (7, 42233), (9, 42269), (11, 42338), (13, 42356), (14, 42389), (16, 42404), (19, 42452), (22, 42488),

Gene: Oogie_54 Start: 43078, Stop: 43467, Start Num: 2
Candidate Starts for Oogie_54:
(Start: 2 @43078 has 7 MA's), (4, 43102), (5, 43117), (7, 43126), (9, 43162), (11, 43231), (13, 43249), (14, 43282), (16, 43297), (19, 43345), (22, 43381),

Gene: Pakusa_52 Start: 41114, Stop: 41503, Start Num: 2
Candidate Starts for Pakusa_52:
(Start: 2 @41114 has 7 MA's), (4, 41138), (5, 41153), (7, 41162), (9, 41198), (11, 41267), (13, 41285), (14, 41318), (16, 41333), (19, 41381), (22, 41417),

Gene: ScarletRaider_53 Start: 44261, Stop: 44650, Start Num: 2
Candidate Starts for ScarletRaider_53:
(Start: 2 @44261 has 7 MA's), (4, 44285), (9, 44345), (11, 44414), (13, 44432), (14, 44465), (16, 44480), (19, 44528),

Gene: Schomber_53 Start: 41122, Stop: 41511, Start Num: 2
Candidate Starts for Schomber_53:
(Start: 2 @41122 has 7 MA's), (4, 41146), (5, 41161), (7, 41170), (9, 41206), (11, 41275), (13, 41293), (14, 41326), (16, 41341), (19, 41389), (22, 41425),

Gene: UBSmoodge_56 Start: 44719, Stop: 45108, Start Num: 2
Candidate Starts for UBSmoodge_56:
(Start: 2 @44719 has 7 MA's), (4, 44743), (9, 44803), (13, 44890), (14, 44923), (16, 44938), (19, 44986),