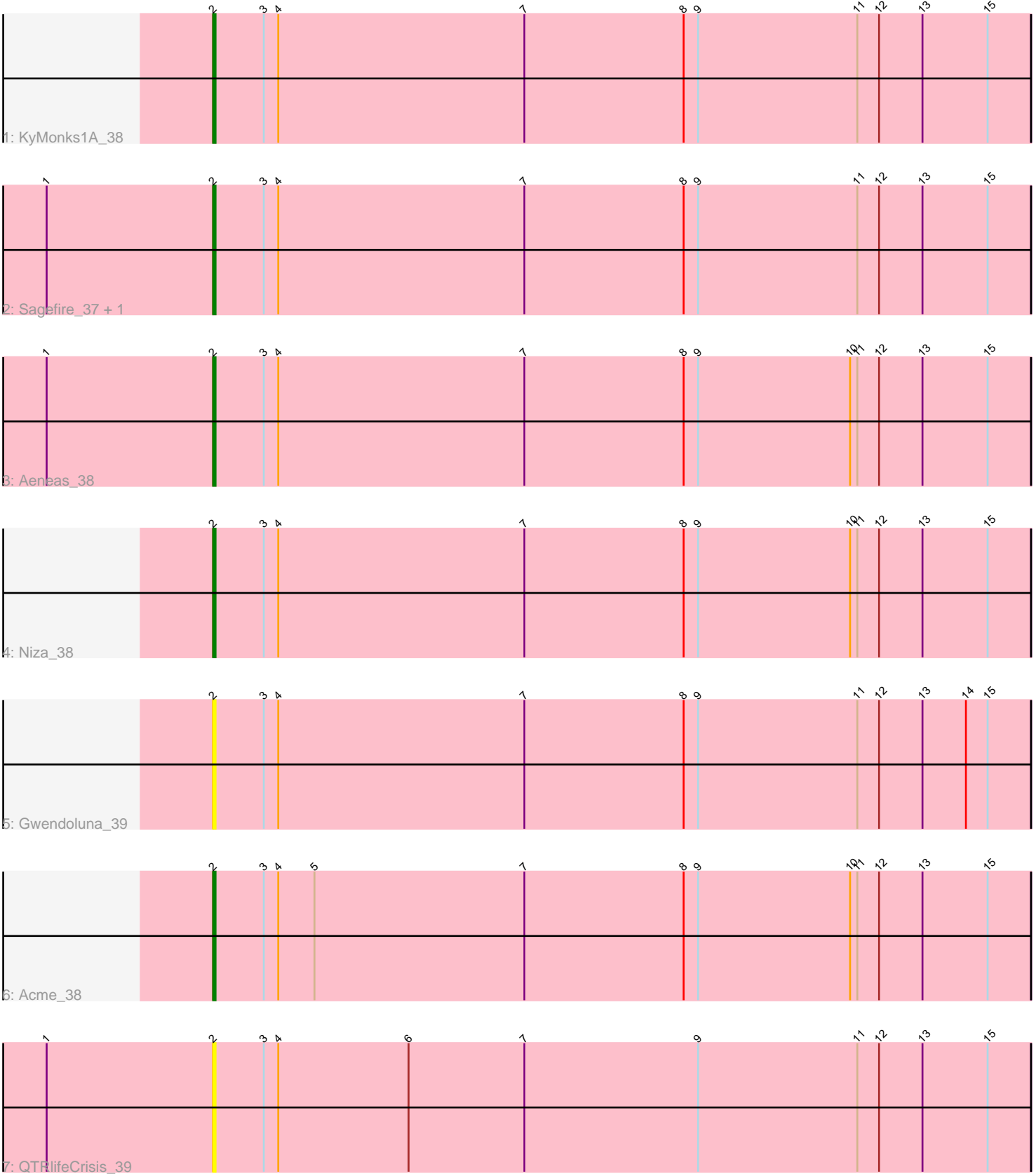# Pham 87957

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 87957 Report

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

Pham number 87957 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : KyMonks1A_38
• Track 2 : Sagefire_37, PhrostyMug_36
• Track 3 : Aeneas_38
• Track 4 : Niza_38
• Track 5 : Gwendoluna_39
• Track 6 : Acme_38
• Track 7 : QTRlifeCrisis_39

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

Genes that call this "Most Annotated" start:
• Acme_38, Aeneas_38, Gwendoluna_39, KyMonks1A_38, Niza_38, PhrostyMug_36, QTRlifeCrisis_39, Sagefire_37,

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 8 of 8 (100.0%) 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: Acme_38 (A1), Aeneas_38 (A1), Gwendoluna_39 (A1), KyMonks1A_38 (A1), Niza_38 (A1), PhrostyMug_36 (A1), QTRlifeCrisis_39 (A1), Sagefire_37 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 2 was manually annotated 6 times for cluster A1.

Gene Information:

Gene: Acme_38 Start: 28962, Stop: 29300, Start Num: 2
Candidate Starts for Acme_38:
(Start: 2 @28962 has 6 MA's), (3, 28983), (4, 28989), (5, 29004), (7, 29091), (8, 29157), (9, 29163), (10, 29226), (11, 29229), (12, 29238), (13, 29256), (15, 29283),

Gene: Aeneas_38 Start: 28998, Stop: 29336, Start Num: 2
Candidate Starts for Aeneas_38:
(1, 28929), (Start: 2 @28998 has 6 MA's), (3, 29019), (4, 29025), (7, 29127), (8, 29193), (9, 29199), (10, 29262), (11, 29265), (12, 29274), (13, 29292), (15, 29319),

Gene: Gwendoluna_39 Start: 30589, Stop: 30927, Start Num: 2
Candidate Starts for Gwendoluna_39:
(Start: 2 @30589 has 6 MA's), (3, 30610), (4, 30616), (7, 30718), (8, 30784), (9, 30790), (11, 30856), (12, 30865), (13, 30883), (14, 30901), (15, 30910),

Gene: KyMonks1A_38 Start: 28981, Stop: 29319, Start Num: 2
Candidate Starts for KyMonks1A_38:
(Start: 2 @28981 has 6 MA's), (3, 29002), (4, 29008), (7, 29110), (8, 29176), (9, 29182), (11, 29248), (12, 29257), (13, 29275), (15, 29302),

Gene: Niza_38 Start: 29749, Stop: 30087, Start Num: 2
Candidate Starts for Niza_38:
(Start: 2 @29749 has 6 MA's), (3, 29770), (4, 29776), (7, 29878), (8, 29944), (9, 29950), (10, 30013), (11, 30016), (12, 30025), (13, 30043), (15, 30070),

Gene: PhrostyMug_36 Start: 28702, Stop: 29040, Start Num: 2
Candidate Starts for PhrostyMug_36:
(1, 28633), (Start: 2 @28702 has 6 MA's), (3, 28723), (4, 28729), (7, 28831), (8, 28897), (9, 28903), (11, 28969), (12, 28978), (13, 28996), (15, 29023),

Gene: QTRlifeCrisis_39 Start: 29261, Stop: 29599, Start Num: 2
Candidate Starts for QTRlifeCrisis_39:
(1, 29192), (Start: 2 @29261 has 6 MA's), (3, 29282), (4, 29288), (6, 29342), (7, 29390), (9, 29462), (11, 29528), (12, 29537), (13, 29555), (15, 29582),

Gene: Sagefire_37 Start: 29488, Stop: 29826, Start Num: 2
Candidate Starts for Sagefire_37:
(1, 29419), (Start: 2 @29488 has 6 MA's), (3, 29509), (4, 29515), (7, 29617), (8, 29683), (9, 29689), (11, 29755), (12, 29764), (13, 29782), (15, 29809),