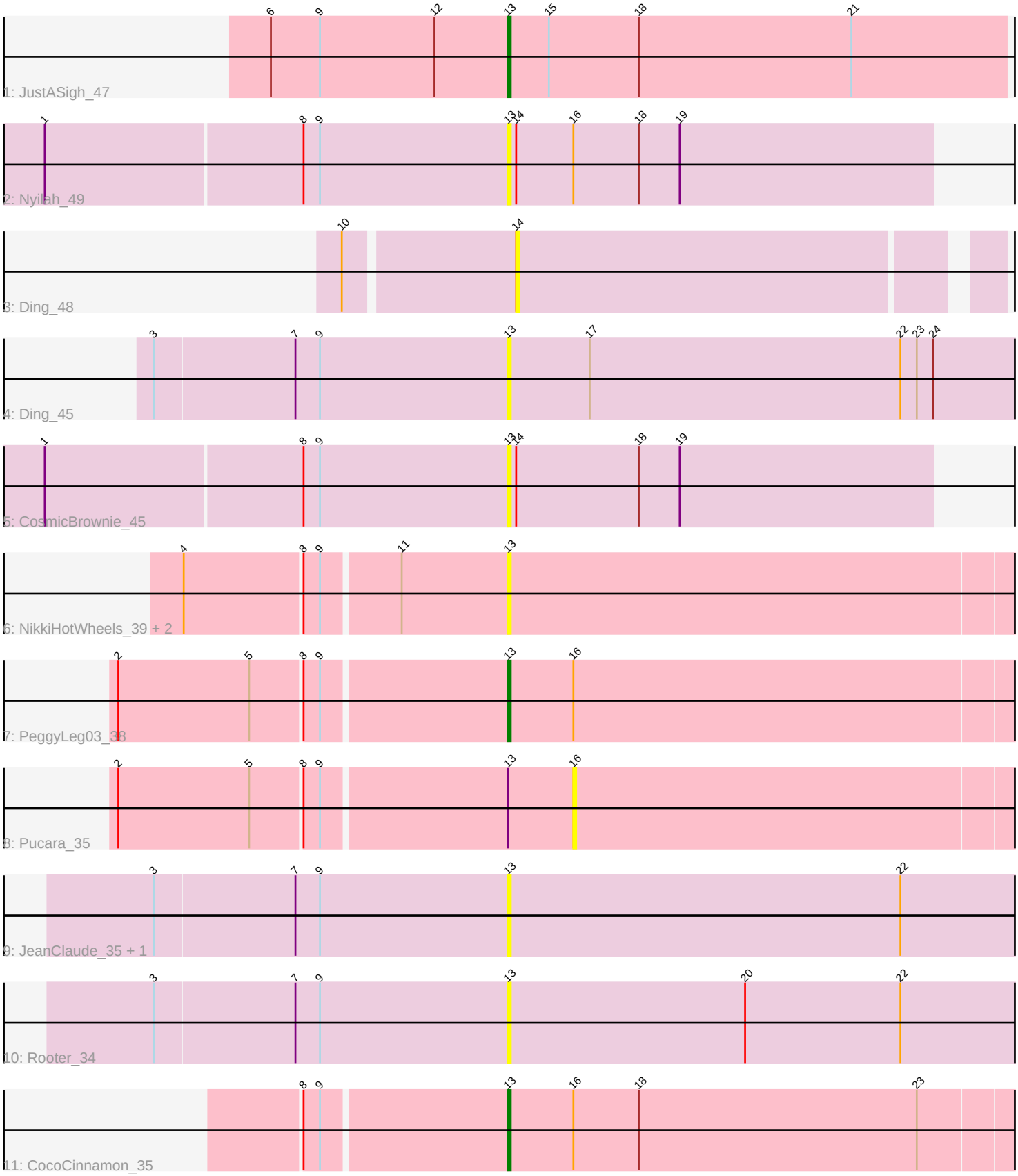
Pham 284306


1: JustASigh_47
2: Nyilah_49
3: Ding_48
4: Ding_45
5: CosmicBrownie_45
6: NikkiHotWheels_39 + 2
7: PeggyLeg03_38
8: Pucara_35
9: JeanClaude_35 + 1
10: Rooter_34
11: CocoCinnamon_35

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 284306 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284306 has 14 members, 11 are drafts.

Phages represented in each track:
• Track 1 : JustASigh_47
• Track 2 : Nyilah_49
• Track 3 : Ding_48
• Track 4 : Ding_45
• Track 5 : CosmicBrownie_45
• Track 6 : NikkiHotWheels_39, HotPotato_37, Henrique_38
• Track 7 : PeggyLeg03_38
• Track 8 : Pucara_35
• Track 9 : JeanClaude_35, Gibbzilla_39
• Track 10 : Rooter_34
• Track 11 : CocoCinnamon_35

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

The start number called the most often in the published annotations is 13, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CocoCinnamon_35, CosmicBrownie_45, Ding_45, Gibbzilla_39, Henrique_38, HotPotato_37, JeanClaude_35, JustASigh_47, NikkiHotWheels_39, Nyilah_49, PeggyLeg03_38, Rooter_34,

Genes that have the "Most Annotated" start but do not call it:
• Pucara_35,

Genes that do not have the "Most Annotated" start:
• Ding_48,

Summary by start number:

Start 13:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 92.3% of time when present

• Phage (with cluster) where this start called: CocoCinnamon_35 (FO), CosmicBrownie_45 (AY), Ding_45 (AY), Gibbzilla_39 (FB), Henrique_38 (FA), HotPotato_37 (FA), JeanClaude_35 (FB), JustASigh_47 (AH), NikkiHotWheels_39 (FA), Nyilah_49 (AY), PeggyLeg03_38 (FA), Rooter_34 (FB),

Start 14:
• Found in 3 of 14 (21.4%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Ding_48 (AY),

Start 16:
• Found in 4 of 14 (28.6%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Pucara_35 (FA),

Summary by clusters:

There are 5 clusters represented in this pham: AY, AH, FB, FO, FA,

Info for manual annotations of cluster AH:
•Start number 13 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster FA:
•Start number 13 was manually annotated 1 time for cluster FA.

Info for manual annotations of cluster FO:
•Start number 13 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: CocoCinnamon_35 Start: 25963, Stop: 25775, Start Num: 13
Candidate Starts for CocoCinnamon_35:
(8, 26035), (9, 26029), (Start: 13 @25963 has 3 MA's), (16, 25939), (18, 25915), (23, 25813),

Gene: CosmicBrownie_45 Start: 29892, Stop: 29737, Start Num: 13
Candidate Starts for CosmicBrownie_45:
(1, 30060), (8, 29967), (9, 29961), (Start: 13 @29892 has 3 MA's), (14, 29889), (18, 29844), (19, 29829),

Gene: Ding_48 Start: 30824, Stop: 30991, Start Num: 14
Candidate Starts for Ding_48:
(10, 30764), (14, 30824),

Gene: Ding_45 Start: 29827, Stop: 29618, Start Num: 13
Candidate Starts for Ding_45:
(3, 29956), (7, 29905), (9, 29896), (Start: 13 @29827 has 3 MA's), (17, 29797), (22, 29683), (23, 29677), (24, 29671),

Gene: Gibbzilla_39 Start: 25810, Stop: 25598, Start Num: 13
Candidate Starts for Gibbzilla_39:
(3, 25939), (7, 25888), (9, 25879), (Start: 13 @25810 has 3 MA's), (22, 25666),

Gene: Henrique_38 Start: 27474, Stop: 27286, Start Num: 13
Candidate Starts for Henrique_38:
(4, 27588), (8, 27546), (9, 27540), (11, 27513), (Start: 13 @27474 has 3 MA's),

Gene: HotPotato_37 Start: 28038, Stop: 27850, Start Num: 13
Candidate Starts for HotPotato_37:
(4, 28152), (8, 28110), (9, 28104), (11, 28077), (Start: 13 @28038 has 3 MA's),

Gene: JeanClaude_35 Start: 24303, Stop: 24091, Start Num: 13
Candidate Starts for JeanClaude_35:
(3, 24432), (7, 24381), (9, 24372), (Start: 13 @24303 has 3 MA's), (22, 24159),

Gene: JustASigh_47 Start: 34656, Stop: 34838, Start Num: 13
Candidate Starts for JustASigh_47:
(6, 34569), (9, 34587), (12, 34629), (Start: 13 @34656 has 3 MA's), (15, 34671), (18, 34704), (21, 34782),

Gene: NikkiHotWheels_39 Start: 27467, Stop: 27279, Start Num: 13
Candidate Starts for NikkiHotWheels_39:
(4, 27581), (8, 27539), (9, 27533), (11, 27506), (Start: 13 @27467 has 3 MA's),

Gene: Nyilah_49 Start: 29527, Stop: 29372, Start Num: 13
Candidate Starts for Nyilah_49:
(1, 29695), (8, 29602), (9, 29596), (Start: 13 @29527 has 3 MA's), (14, 29524), (16, 29503), (18, 29479), (19, 29464),

Gene: PeggyLeg03_38 Start: 28180, Stop: 27992, Start Num: 13
Candidate Starts for PeggyLeg03_38:
(2, 28318), (5, 28270), (8, 28252), (9, 28246), (Start: 13 @28180 has 3 MA's), (16, 28156),

Gene: Pucara_35 Start: 27761, Stop: 27597, Start Num: 16
Candidate Starts for Pucara_35:
(2, 27923), (5, 27875), (8, 27857), (9, 27851), (Start: 13 @27785 has 3 MA's), (16, 27761),

Gene: Rooter_34 Start: 24794, Stop: 24582, Start Num: 13
Candidate Starts for Rooter_34:
(3, 24923), (7, 24872), (9, 24863), (Start: 13 @24794 has 3 MA's), (20, 24707), (22, 24650),