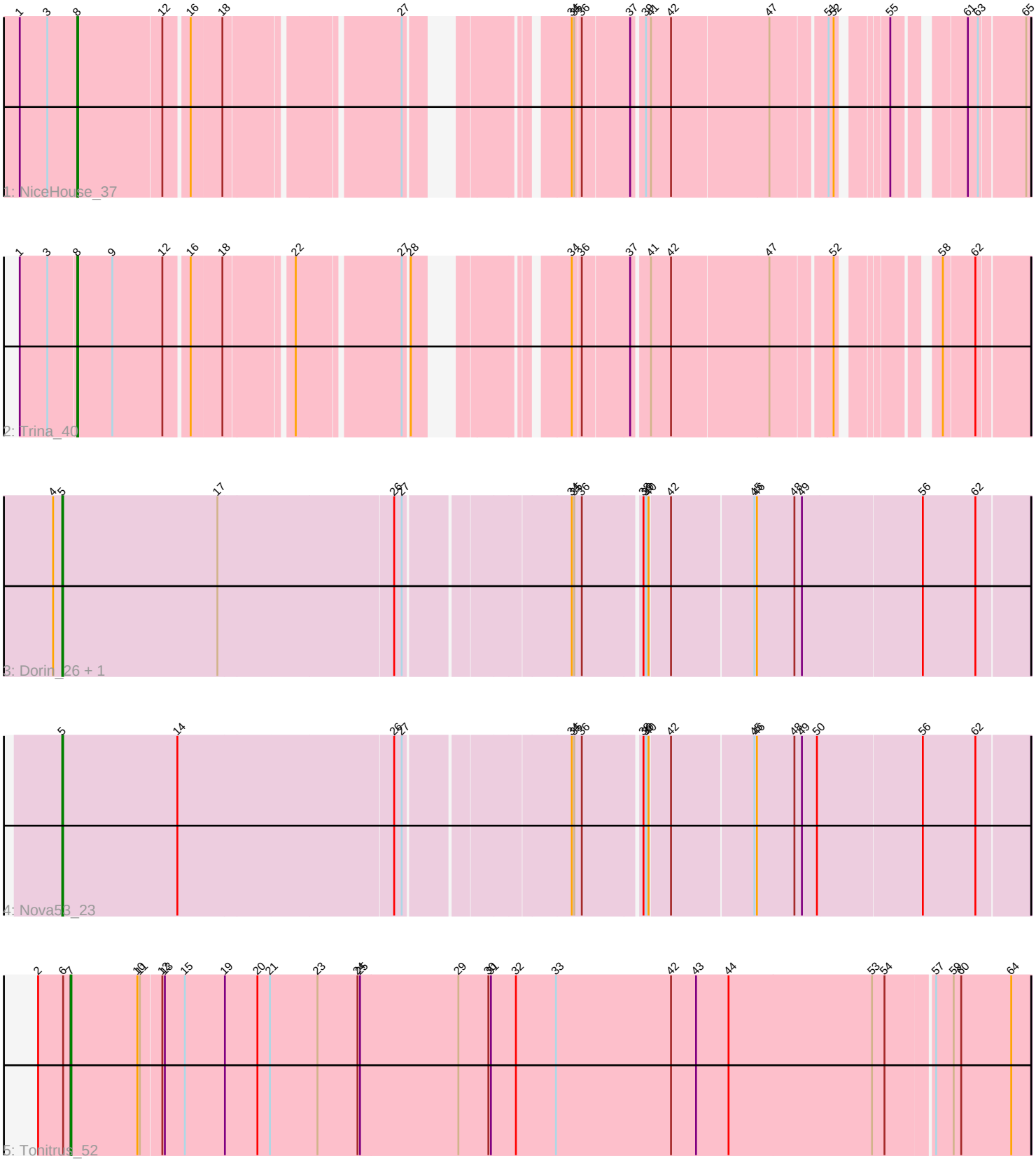
Pham 295479



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 295479 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295479 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : NiceHouse_37
• Track 2 : Trina_40
• Track 3 : Dorin_26, Francesca_25
• Track 4 : Nova53_23
• Track 5 : Tonitrus_52

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

The start number called the most often in the published annotations is 5, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dorin_26, Francesca_25, Nova53_23,

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

Genes that do not have the "Most Annotated" start:
• NiceHouse_37, Tonitrus_52, Trina_40,

Summary by start number:

Start 5:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_26 (CG), Francesca_25 (CG), Nova53_23 (CG),

Start 7:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tonitrus_52 (singleton),

Start 8:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_37 (CE), Trina_40 (CE),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, CG, CE,

Info for manual annotations of cluster CE:
•Start number 8 was manually annotated 2 times for cluster CE.

Info for manual annotations of cluster CG:
•Start number 5 was manually annotated 3 times for cluster CG.

Gene Information:

Gene: Dorin_26 Start: 10932, Stop: 9823, Start Num: 5
Candidate Starts for Dorin_26:
(4, 10941), (Start: 5 @10932 has 3 MA's), (17, 10746), (26, 10542), (27, 10533), (34, 10350), (35, 10347), (36, 10338), (38, 10272), (39, 10269), (40, 10266), (42, 10242), (45, 10146), (46, 10143), (48, 10098), (49, 10089), (56, 9948), (62, 9885),

Gene: Francesca_25 Start: 11054, Stop: 9945, Start Num: 5
Candidate Starts for Francesca_25:
(4, 11063), (Start: 5 @11054 has 3 MA's), (17, 10868), (26, 10664), (27, 10655), (34, 10472), (35, 10469), (36, 10460), (38, 10394), (39, 10391), (40, 10388), (42, 10364), (45, 10268), (46, 10265), (48, 10220), (49, 10211), (56, 10070), (62, 10007),

Gene: NiceHouse_37 Start: 15636, Stop: 14689, Start Num: 8
Candidate Starts for NiceHouse_37:
(1, 15705), (3, 15672), (Start: 8 @15636 has 2 MA's), (12, 15537), (16, 15510), (18, 15474), (27, 15291), (34, 15156), (35, 15153), (36, 15147), (37, 15093), (39, 15081), (41, 15075), (42, 15051), (47, 14937), (51, 14877), (52, 14871), (55, 14826), (61, 14757), (63, 14745), (65, 14694),

Gene: Nova53_23 Start: 10737, Stop: 9628, Start Num: 5
Candidate Starts for Nova53_23:
(Start: 5 @10737 has 3 MA's), (14, 10599), (26, 10347), (27, 10338), (34, 10155), (35, 10152), (36, 10143), (38, 10077), (39, 10074), (40, 10071), (42, 10047), (45, 9951), (46, 9948), (48, 9903), (49, 9894), (50, 9876), (56, 9753), (62, 9690),

Gene: Tonitrus_52 Start: 39964, Stop: 41100, Start Num: 7
Candidate Starts for Tonitrus_52:
(2, 39925), (6, 39955), (Start: 7 @39964 has 1 MA's), (10, 40042), (11, 40045), (12, 40069), (13, 40072), (15, 40096), (19, 40144), (20, 40183), (21, 40198), (23, 40255), (24, 40303), (25, 40306), (29, 40423), (30, 40459), (31, 40462), (32, 40492), (33, 40540), (42, 40678), (43, 40708), (44, 40747), (53, 40918), (54, 40933), (57, 40987), (59, 41008), (60, 41017), (64, 41077),

Gene: Trina_40 Start: 14776, Stop: 13826, Start Num: 8

Candidate Starts for Trina_40:
(1, 14842), (3, 14809), (Start: 8 @14776 has 2 MA's), (9, 14734), (12, 14674), (16, 14647), (18, 14611), (22, 14542), (27, 14428), (28, 14422), (34, 14293), (36, 14284), (37, 14230), (41, 14212), (42, 14188), (47, 14074), (52, 14008), (58, 13921), (62, 13885),