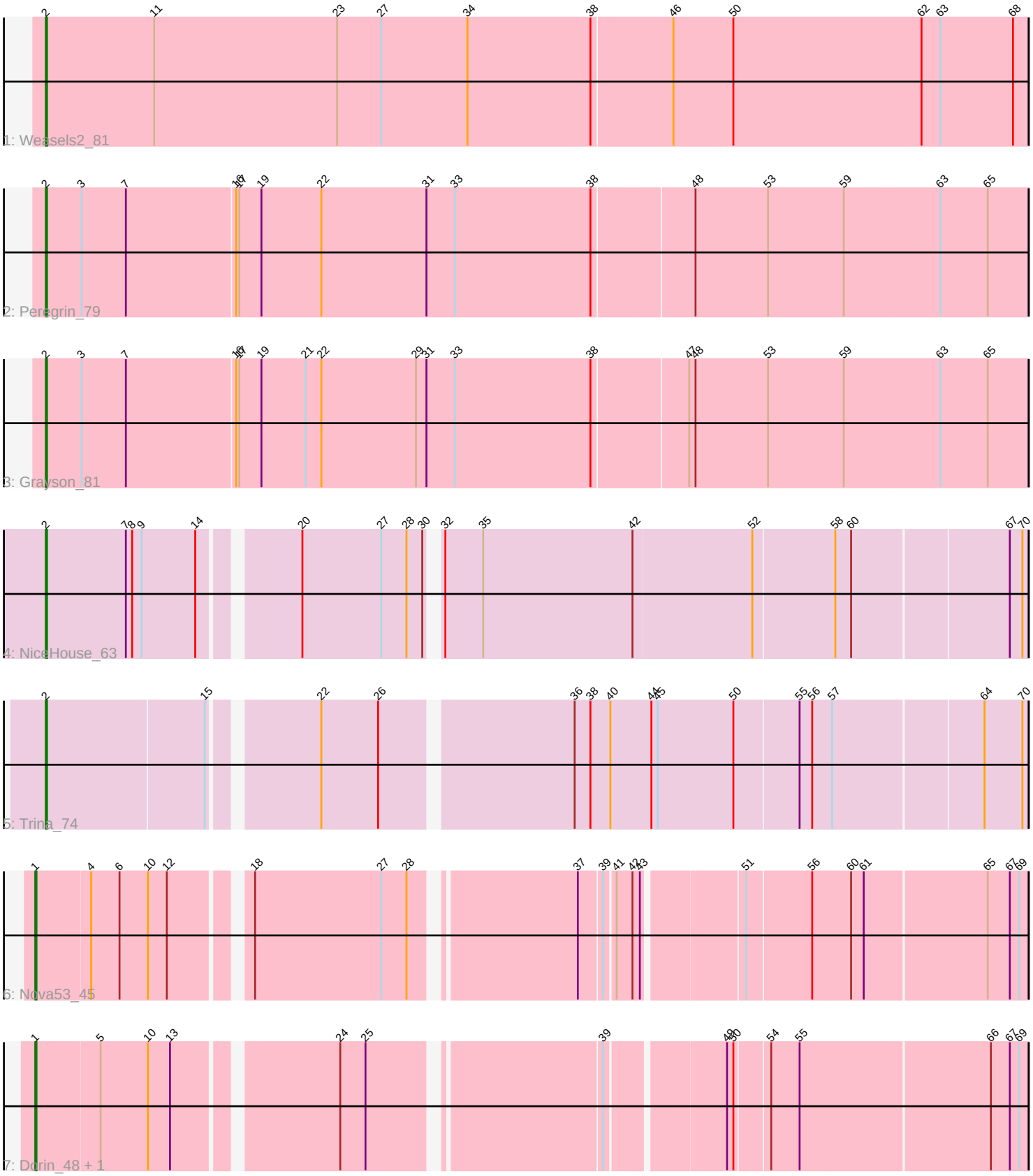
Pham 344700


1: Weasels2_81
2: Peregrin_79
3: Grayson_81
4: NiceHouse_63
5: Trina_74
6: Nova53_45
7: Dorin_48 + 1

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 344700 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344700 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Weasels2_81
• Track 2 : Peregrin_79
• Track 3 : Grayson_81
• Track 4 : NiceHouse_63
• Track 5 : Trina_74
• Track 6 : Nova53_45
• Track 7 : Dorin_48, Francesca_47

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Grayson_81, NiceHouse_63, Peregrin_79, Trina_74, Weasels2_81,

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

Genes that do not have the "Most Annotated" start:
• Dorin_48, Francesca_47, Nova53_45,

Summary by start number:

Start 1:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_48 (CG), Francesca_47 (CG), Nova53_45 (CG),

Start 2:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 5 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Grayson_81 (CB), NiceHouse_63 (CE), Peregrin_79 (CB), Trina_74 (CE), Weasels2_81 (CB),

Summary by clusters:

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

Info for manual annotations of cluster CB:
•Start number 2 was manually annotated 3 times for cluster CB.

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

Info for manual annotations of cluster CG:
•Start number 1 was manually annotated 3 times for cluster CG.

Gene Information:

Gene: Dorin_48 Start: 29329, Stop: 30198, Start Num: 1
Candidate Starts for Dorin_48:
(Start: 1 @29329 has 3 MA's), (5, 29389), (10, 29434), (13, 29455), (24, 29596), (25, 29620), (39, 29821), (49, 29923), (50, 29929), (54, 29959), (55, 29986), (66, 30163), (67, 30181), (69, 30190),

Gene: Francesca_47 Start: 29461, Stop: 30330, Start Num: 1
Candidate Starts for Francesca_47:
(Start: 1 @29461 has 3 MA's), (5, 29521), (10, 29566), (13, 29587), (24, 29728), (25, 29752), (39, 29953), (49, 30055), (50, 30061), (54, 30091), (55, 30118), (66, 30295), (67, 30313), (69, 30322),

Gene: Grayson_81 Start: 41792, Stop: 42712, Start Num: 2
Candidate Starts for Grayson_81:
(Start: 2 @41792 has 5 MA's), (3, 41825), (7, 41867), (16, 41969), (17, 41972), (19, 41993), (21, 42035), (22, 42050), (29, 42140), (31, 42149), (33, 42176), (38, 42305), (47, 42392), (48, 42398), (53, 42467), (59, 42539), (63, 42629), (65, 42674),

Gene: NiceHouse_63 Start: 35669, Stop: 36550, Start Num: 2
Candidate Starts for NiceHouse_63:
(Start: 2 @35669 has 5 MA's), (7, 35744), (8, 35750), (9, 35759), (14, 35810), (20, 35891), (27, 35966), (28, 35990), (30, 36005), (32, 36011), (35, 36047), (42, 36188), (52, 36299), (58, 36374), (60, 36389), (67, 36533), (70, 36545),

Gene: Nova53_45 Start: 29468, Stop: 30337, Start Num: 1
Candidate Starts for Nova53_45:
(Start: 1 @29468 has 3 MA's), (4, 29519), (6, 29546), (10, 29573), (12, 29591), (18, 29654), (27, 29774), (28, 29798), (37, 29939), (39, 29960), (41, 29969), (42, 29984), (43, 29990), (51, 30077), (56, 30137), (60, 30173), (61, 30185), (65, 30299), (67, 30320), (69, 30329),

Gene: Peregrin_79 Start: 40572, Stop: 41492, Start Num: 2
Candidate Starts for Peregrin_79:
(Start: 2 @40572 has 5 MA's), (3, 40605), (7, 40647), (16, 40749), (17, 40752), (19, 40773), (22, 40830), (31, 40929), (33, 40956), (38, 41085), (48, 41178), (53, 41247), (59, 41319), (63, 41409), (65,

41454),

Gene: Trina_74 Start: 39179, Stop: 40060, Start Num: 2
Candidate Starts for Trina_74:
(Start: 2 @39179 has 5 MA's), (15, 39326), (22, 39416), (26, 39470), (36, 39641), (38, 39656), (40, 39674), (44, 39713), (45, 39719), (50, 39791), (55, 39851), (56, 39863), (57, 39881), (64, 40019), (70, 40055),

Gene: Weasels2_81 Start: 41424, Stop: 42350, Start Num: 2
Candidate Starts for Weasels2_81:
(Start: 2 @41424 has 5 MA's), (11, 41526), (23, 41700), (27, 41742), (34, 41823), (38, 41940), (46, 42015), (50, 42072), (62, 42249), (63, 42267), (68, 42336),