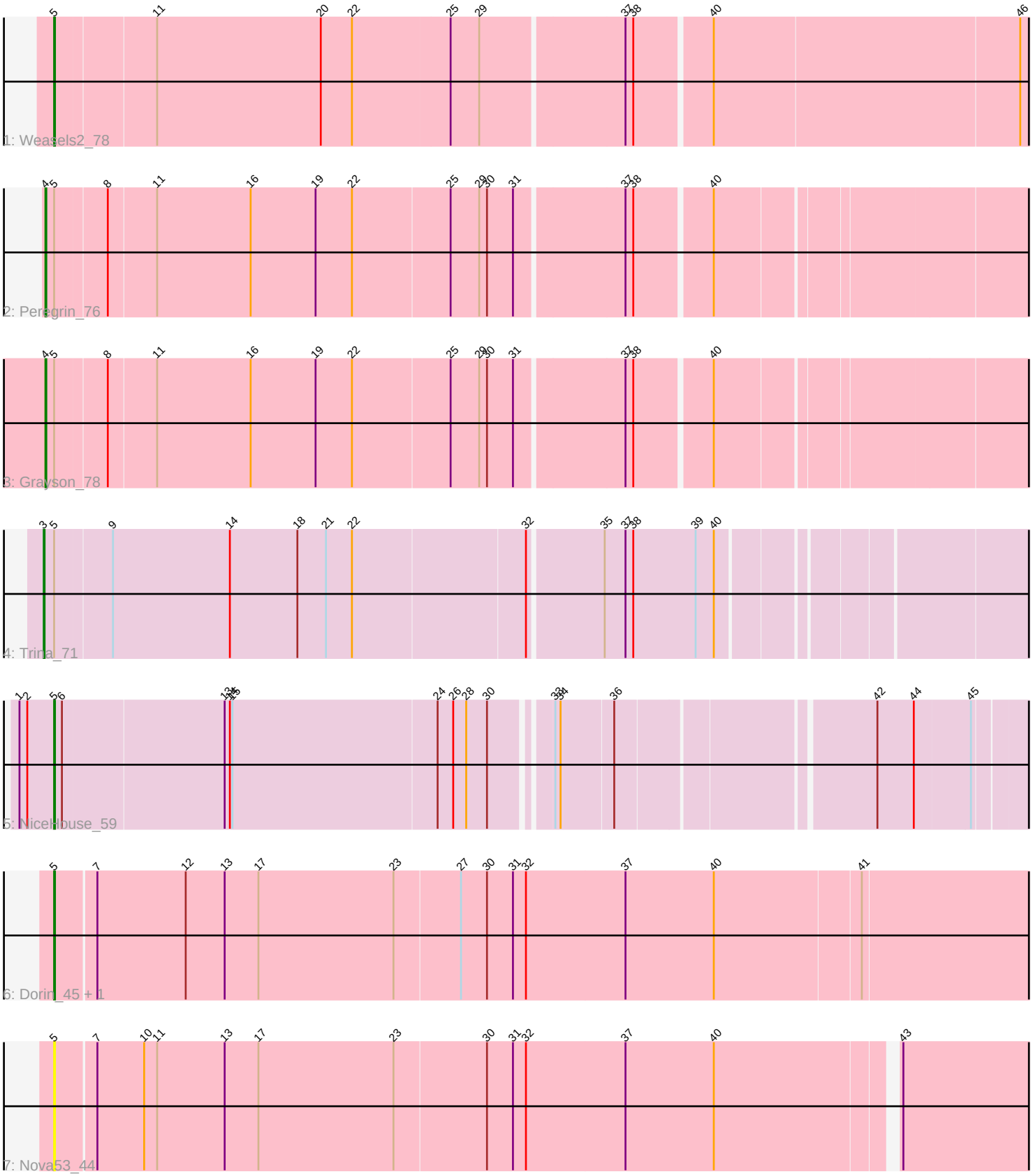
Zoomed Pham 203618



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 203618 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203618 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Weasels2_78
• Track 2 : Peregrin_76
• Track 3 : Grayson_78
• Track 4 : Trina_71
• Track 5 : NiceHouse_59
• Track 6 : Dorin_45, Francesca_44
• Track 7 : Nova53_44

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dorin_45, Francesca_44, NiceHouse_59, Nova53_44, Weasels2_78,

Genes that have the "Most Annotated" start but do not call it:
• Grayson_78, Peregrin_76, Trina_71,

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

Summary by start number:

Start 3:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Trina_71 (CE),

Start 4:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Grayson_78 (CB), Peregrin_76 (CB),

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Dorin_45 (CG), Francesca_44 (CG), NiceHouse_59 (CE), Nova53_44 (CG), Weasels2_78 (CB),

Summary by clusters:

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

Info for manual annotations of cluster CB:
•Start number 4 was manually annotated 2 times for cluster CB.
•Start number 5 was manually annotated 1 time for cluster CB.

Info for manual annotations of cluster CE:
•Start number 3 was manually annotated 1 time for cluster CE.
•Start number 5 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CG:
•Start number 5 was manually annotated 2 times for cluster CG.

Gene Information:

Gene: Dorin_45 Start: 26479, Stop: 27768, Start Num: 5
Candidate Starts for Dorin_45:
(Start: 5 @26479 has 4 MA's), (7, 26524), (12, 26626), (13, 26671), (17, 26710), (23, 26866), (27, 26941), (30, 26971), (31, 27001), (32, 27016), (37, 27130), (40, 27232), (41, 27397),

Gene: Francesca_44 Start: 26611, Stop: 27900, Start Num: 5
Candidate Starts for Francesca_44:
(Start: 5 @26611 has 4 MA's), (7, 26656), (12, 26758), (13, 26803), (17, 26842), (23, 26998), (27, 27073), (30, 27103), (31, 27133), (32, 27148), (37, 27262), (40, 27364), (41, 27529),

Gene: Grayson_78 Start: 38978, Stop: 40285, Start Num: 4
Candidate Starts for Grayson_78:
(Start: 4 @38978 has 2 MA's), (Start: 5 @38987 has 4 MA's), (8, 39044), (11, 39098), (16, 39206), (19, 39281), (22, 39323), (25, 39434), (29, 39467), (30, 39476), (31, 39506), (37, 39626), (38, 39635), (40, 39719), (50, 40253), (51, 40265),

Gene: NiceHouse_59 Start: 32566, Stop: 33672, Start Num: 5
Candidate Starts for NiceHouse_59:
(1, 32527), (2, 32536), (Start: 5 @32566 has 4 MA's), (6, 32575), (13, 32758), (14, 32764), (15, 32767), (24, 33001), (26, 33019), (28, 33034), (30, 33058), (33, 33118), (34, 33124), (36, 33181), (42, 33457), (44, 33499), (45, 33562),

Gene: Nova53_44 Start: 26629, Stop: 27903, Start Num: 5
Candidate Starts for Nova53_44:

(Start: 5 @26629 has 4 MA's), (7, 26674), (10, 26728), (11, 26743), (13, 26821), (17, 26860), (23, 27016), (30, 27121), (31, 27151), (32, 27166), (37, 27280), (40, 27382), (43, 27577),

Gene: Peregrin_76 Start: 37759, Stop: 39066, Start Num: 4
Candidate Starts for Peregrin_76:
(Start: 4 @37759 has 2 MA's), (Start: 5 @37768 has 4 MA's), (8, 37825), (11, 37879), (16, 37987), (19, 38062), (22, 38104), (25, 38215), (29, 38248), (30, 38257), (31, 38287), (37, 38407), (38, 38416), (40, 38500), (50, 39034), (51, 39046),

Gene: Trina_71 Start: 36327, Stop: 37640, Start Num: 3
Candidate Starts for Trina_71:
(Start: 3 @36327 has 1 MA's), (Start: 5 @36339 has 4 MA's), (9, 36402), (14, 36537), (18, 36615), (21, 36648), (22, 36678), (32, 36873), (35, 36954), (37, 36978), (38, 36987), (39, 37059), (40, 37080), (47, 37431), (49, 37542),

Gene: Weasels2_78 Start: 38617, Stop: 39924, Start Num: 5
Candidate Starts for Weasels2_78:
(Start: 5 @38617 has 4 MA's), (11, 38728), (20, 38917), (22, 38953), (25, 39064), (29, 39097), (37, 39256), (38, 39265), (40, 39349), (46, 39697), (48, 39826),