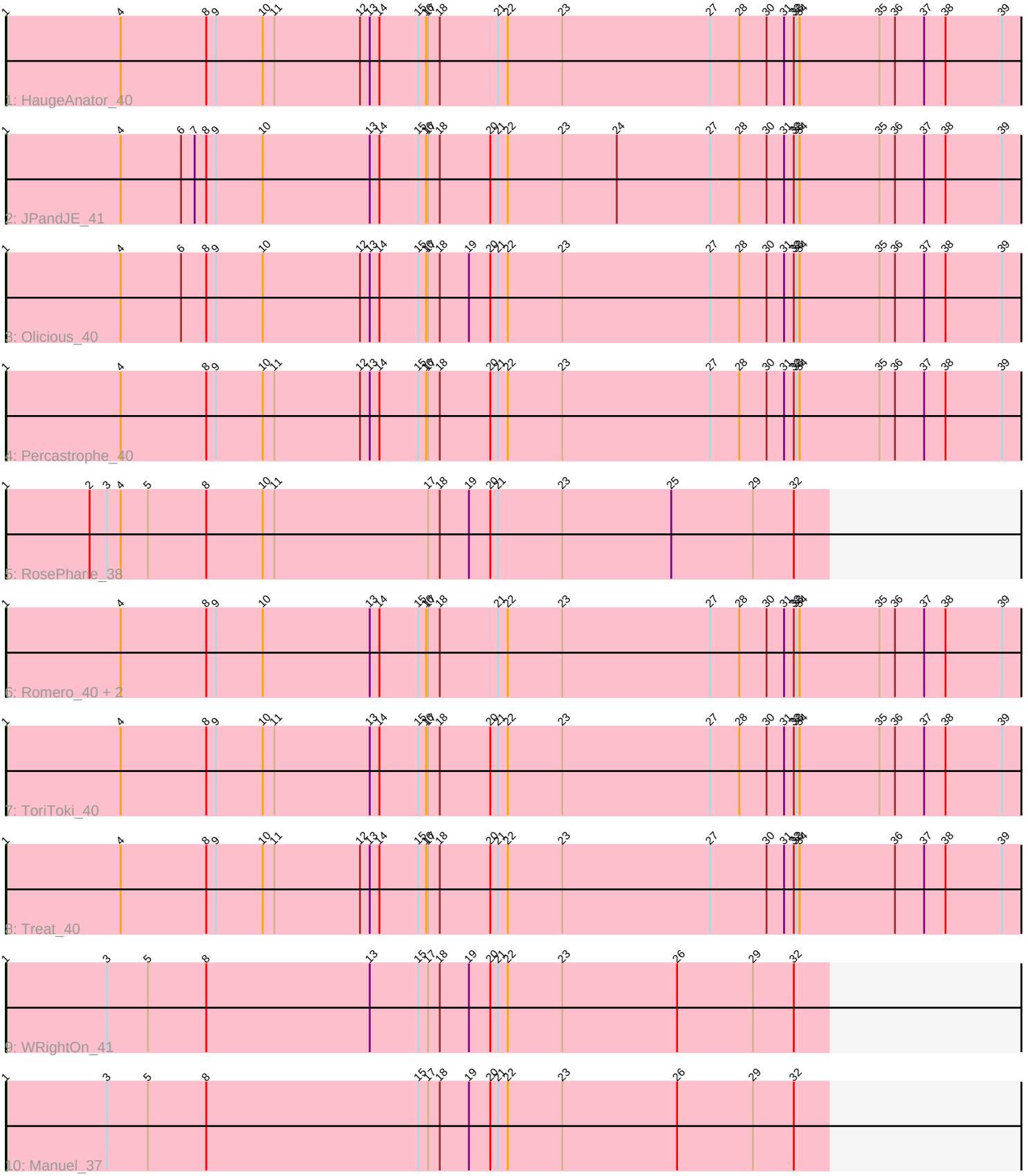
Pham 158306


1: HaugeAnator_40
2: JPandJE_41
3: Olicious_40
4: Percastrophe_40
5: RosePharie_38
6: Romero_40 + 2
7: ToriToki_40
8: Treat_40
9: WRightOn_41
10: Manuel_37

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 158306 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158306 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : HaugeAnator_40
• Track 2 : JPandJE_41
• Track 3 : Olicious_40
• Track 4 : Percastrophe_40
• Track 5 : RosePharie_38
• Track 6 : Romero_40, Immanuel3_40, ZooBear_40
• Track 7 : ToriToki_40
• Track 8 : Treat_40
• Track 9 : WRightOn_41
• Track 10 : Manuel_37

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• HaugeAnator_40, Immanuel3_40, JPandJE_41, Manuel_37, Olicious_40, Percastrophe_40, Romero_40, RosePharie_38, ToriToki_40, Treat_40, WRightOn_41, ZooBear_40,

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 1:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: HaugeAnator_40 (BF), Immanuel3_40 (BF), JPandJE_41 (BF), Manuel_37 (BF), Olicious_40 (BF), Percastrophe_40 (BF), Romero_40 (BF), RosePharie_38 (BF), ToriToki_40 (BF), Treat_40 (BF), WRightOn_41 (BF), ZooBear_40 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:
•Start number 1 was manually annotated 12 times for cluster BF.

Gene Information:

Gene: HaugeAnator_40 Start: 20353, Stop: 22014, Start Num: 1
Candidate Starts for HaugeAnator_40:
(Start: 1 @20353 has 12 MA's), (4, 20530), (8, 20662), (9, 20677), (10, 20749), (11, 20767), (12, 20899), (13, 20914), (14, 20929), (15, 20989), (16, 21001), (17, 21004), (18, 21022), (21, 21112), (22, 21127), (23, 21211), (27, 21439), (28, 21484), (30, 21526), (31, 21553), (32, 21568), (33, 21571), (34, 21577), (35, 21700), (36, 21724), (37, 21769), (38, 21802), (39, 21889),

Gene: Immanuel3_40 Start: 20357, Stop: 22018, Start Num: 1
Candidate Starts for Immanuel3_40:
(Start: 1 @20357 has 12 MA's), (4, 20534), (8, 20666), (9, 20681), (10, 20753), (13, 20918), (14, 20933), (15, 20993), (16, 21005), (17, 21008), (18, 21026), (21, 21116), (22, 21131), (23, 21215), (27, 21443), (28, 21488), (30, 21530), (31, 21557), (32, 21572), (33, 21575), (34, 21581), (35, 21704), (36, 21728), (37, 21773), (38, 21806), (39, 21893),

Gene: JPandJE_41 Start: 20824, Stop: 22485, Start Num: 1
Candidate Starts for JPandJE_41:
(Start: 1 @20824 has 12 MA's), (4, 21001), (6, 21094), (7, 21115), (8, 21133), (9, 21148), (10, 21220), (13, 21385), (14, 21400), (15, 21460), (16, 21472), (17, 21475), (18, 21493), (20, 21571), (21, 21583), (22, 21598), (23, 21682), (24, 21766), (27, 21910), (28, 21955), (30, 21997), (31, 22024), (32, 22039), (33, 22042), (34, 22048), (35, 22171), (36, 22195), (37, 22240), (38, 22273), (39, 22360),

Gene: Manuel_37 Start: 20371, Stop: 21636, Start Num: 1
Candidate Starts for Manuel_37:
(Start: 1 @20371 has 12 MA's), (3, 20527), (5, 20590), (8, 20680), (15, 21007), (17, 21022), (18, 21040), (19, 21085), (20, 21118), (21, 21130), (22, 21145), (23, 21229), (26, 21406), (29, 21523), (32, 21586),

Gene: Olicious_40 Start: 20353, Stop: 22014, Start Num: 1
Candidate Starts for Olicious_40:
(Start: 1 @20353 has 12 MA's), (4, 20530), (6, 20623), (8, 20662), (9, 20677), (10, 20749), (12, 20899), (13, 20914), (14, 20929), (15, 20989), (16, 21001), (17, 21004), (18, 21022), (19, 21067), (20, 21100), (21, 21112), (22, 21127), (23, 21211), (27, 21439), (28, 21484), (30, 21526), (31, 21553), (32, 21568), (33, 21571), (34, 21577), (35, 21700), (36, 21724), (37, 21769), (38, 21802), (39, 21889),

Gene: Percastrophe_40 Start: 20287, Stop: 21948, Start Num: 1
Candidate Starts for Percastrophe_40:

(Start: 1 @20287 has 12 MA's), (4, 20464), (8, 20596), (9, 20611), (10, 20683), (11, 20701), (12, 20833), (13, 20848), (14, 20863), (15, 20923), (16, 20935), (17, 20938), (18, 20956), (20, 21034), (21, 21046), (22, 21061), (23, 21145), (27, 21373), (28, 21418), (30, 21460), (31, 21487), (32, 21502), (33, 21505), (34, 21511), (35, 21634), (36, 21658), (37, 21703), (38, 21736), (39, 21823),

Gene: Romero_40 Start: 20346, Stop: 22007, Start Num: 1
Candidate Starts for Romero_40:
(Start: 1 @20346 has 12 MA's), (4, 20523), (8, 20655), (9, 20670), (10, 20742), (13, 20907), (14, 20922), (15, 20982), (16, 20994), (17, 20997), (18, 21015), (21, 21105), (22, 21120), (23, 21204), (27, 21432), (28, 21477), (30, 21519), (31, 21546), (32, 21561), (33, 21564), (34, 21570), (35, 21693), (36, 21717), (37, 21762), (38, 21795), (39, 21882),

Gene: RosePharie_38 Start: 20387, Stop: 21652, Start Num: 1
Candidate Starts for RosePharie_38:
(Start: 1 @20387 has 12 MA's), (2, 20516), (3, 20543), (4, 20564), (5, 20606), (8, 20696), (10, 20783), (11, 20801), (17, 21038), (18, 21056), (19, 21101), (20, 21134), (21, 21146), (23, 21245), (25, 21413), (29, 21539), (32, 21602),

Gene: ToriToki_40 Start: 20346, Stop: 22007, Start Num: 1
Candidate Starts for ToriToki_40:
(Start: 1 @20346 has 12 MA's), (4, 20523), (8, 20655), (9, 20670), (10, 20742), (11, 20760), (13, 20907), (14, 20922), (15, 20982), (16, 20994), (17, 20997), (18, 21015), (20, 21093), (21, 21105), (22, 21120), (23, 21204), (27, 21432), (28, 21477), (30, 21519), (31, 21546), (32, 21561), (33, 21564), (34, 21570), (35, 21693), (36, 21717), (37, 21762), (38, 21795), (39, 21882),

Gene: Treat_40 Start: 20290, Stop: 21951, Start Num: 1
Candidate Starts for Treat_40:
(Start: 1 @20290 has 12 MA's), (4, 20467), (8, 20599), (9, 20614), (10, 20686), (11, 20704), (12, 20836), (13, 20851), (14, 20866), (15, 20926), (16, 20938), (17, 20941), (18, 20959), (20, 21037), (21, 21049), (22, 21064), (23, 21148), (27, 21376), (30, 21463), (31, 21490), (32, 21505), (33, 21508), (34, 21514), (36, 21661), (37, 21706), (38, 21739), (39, 21826),

Gene: WRightOn_41 Start: 20449, Stop: 21714, Start Num: 1
Candidate Starts for WRightOn_41:
(Start: 1 @20449 has 12 MA's), (3, 20605), (5, 20668), (8, 20758), (13, 21010), (15, 21085), (17, 21100), (18, 21118), (19, 21163), (20, 21196), (21, 21208), (22, 21223), (23, 21307), (26, 21484), (29, 21601), (32, 21664),

Gene: ZooBear_40 Start: 20353, Stop: 22014, Start Num: 1
Candidate Starts for ZooBear_40:
(Start: 1 @20353 has 12 MA's), (4, 20530), (8, 20662), (9, 20677), (10, 20749), (13, 20914), (14, 20929), (15, 20989), (16, 21001), (17, 21004), (18, 21022), (21, 21112), (22, 21127), (23, 21211), (27, 21439), (28, 21484), (30, 21526), (31, 21553), (32, 21568), (33, 21571), (34, 21577), (35, 21700), (36, 21724), (37, 21769), (38, 21802), (39, 21889),