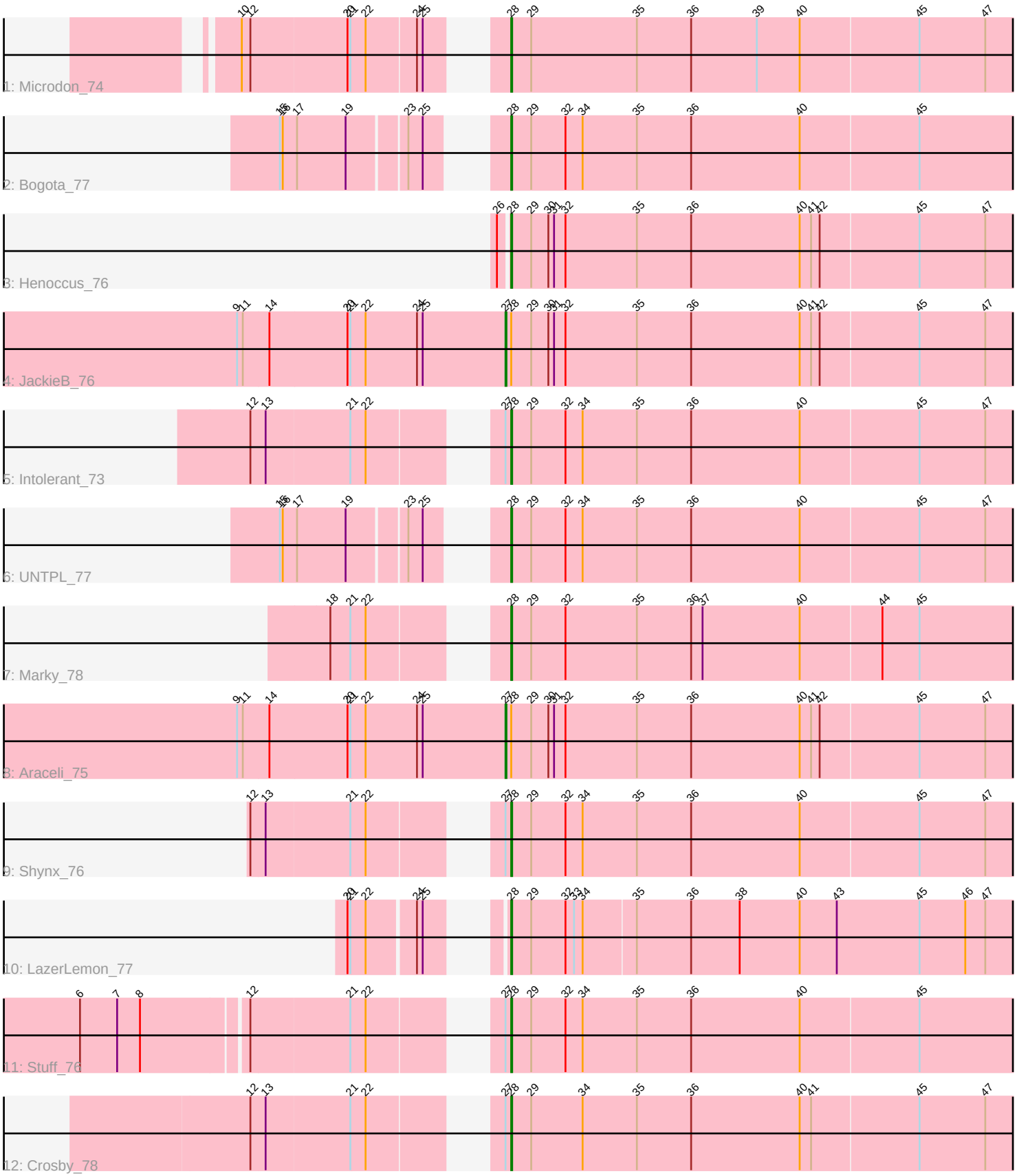
Zoomed Pham 301929



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 301929 Report

This analysis was run 06/08/26 on database version 649.

Pham number 301929 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Microdon_74
• Track 2 : Bogota_77
• Track 3 : Henoccus_76
• Track 4 : JackieB_76
• Track 5 : Intolerant_73
• Track 6 : UNTPL_77
• Track 7 : Marky_78
• Track 8 : Araceli_75
• Track 9 : Shynx_76
• Track 10 : LazerLemon_77
• Track 11 : Stuff_76
• Track 12 : Crosby_78

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

The start number called the most often in the published annotations is 28, it was called in 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bogota_77, Crosby_78, Henoccus_76, Intolerant_73, LazerLemon_77, Marky_78, Microdon_74, Shynx_76, Stuff_76, UNTPL_77,

Genes that have the "Most Annotated" start but do not call it:
• Araceli_75, JackieB_76,

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

Summary by start number:

Start 27:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 33.3% of time when present

• Phage (with cluster) where this start called: Araceli_75 (BH), JackieB_76 (BH),

Start 28:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 12
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Bogota_77 (BH), Crosby_78 (BH), Henoccus_76 (BH), Intolerant_73 (BH), LazerLemon_77 (BH), Marky_78 (BH), Microdon_74 (BH), Shynx_76 (BH), Stuff_76 (BH), UNTPL_77 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:
•Start number 27 was manually annotated 2 times for cluster BH.
•Start number 28 was manually annotated 10 times for cluster BH.

Gene Information:

Gene: Araceli_75 Start: 51714, Stop: 52691, Start Num: 27
Candidate Starts for Araceli_75:
(4, 51114), (9, 51435), (11, 51441), (14, 51468), (20, 51549), (21, 51552), (22, 51567), (24, 51621), (25, 51627), (Start: 27 @51714 has 2 MA's), (Start: 28 @51720 has 10 MA's), (29, 51741), (30, 51759), (31, 51765), (32, 51777), (35, 51852), (36, 51909), (40, 52023), (41, 52035), (42, 52044), (45, 52146), (47, 52215), (49, 52260), (51, 52275), (54, 52317), (56, 52359), (58, 52374), (59, 52395), (60, 52425), (66, 52545), (67, 52566), (69, 52611), (70, 52620),

Gene: Bogota_77 Start: 51446, Stop: 52414, Start Num: 28
Candidate Starts for Bogota_77:
(15, 51263), (16, 51266), (17, 51281), (19, 51332), (23, 51389), (25, 51404), (Start: 28 @51446 has 10 MA's), (29, 51467), (32, 51503), (34, 51521), (35, 51578), (36, 51635), (40, 51749), (45, 51872), (52, 52016), (53, 52034), (54, 52043), (59, 52121), (60, 52151), (61, 52154), (65, 52244), (66, 52271), (75, 52403),

Gene: Crosby_78 Start: 51305, Stop: 52273, Start Num: 28
Candidate Starts for Crosby_78:
(12, 51086), (13, 51101), (21, 51188), (22, 51203), (Start: 27 @51299 has 2 MA's), (Start: 28 @51305 has 10 MA's), (29, 51326), (34, 51380), (35, 51437), (36, 51494), (40, 51608), (41, 51620), (45, 51731), (47, 51800), (52, 51875), (53, 51893), (54, 51902), (59, 51980), (61, 52013), (65, 52103), (66, 52130), (70, 52205), (75, 52262),

Gene: Henoccus_76 Start: 51811, Stop: 52782, Start Num: 28
Candidate Starts for Henoccus_76:
(26, 51802), (Start: 28 @51811 has 10 MA's), (29, 51832), (30, 51850), (31, 51856), (32, 51868), (35, 51943), (36, 52000), (40, 52114), (41, 52126), (42, 52135), (45, 52237), (47, 52306), (48, 52339), (49, 52351), (51, 52366), (54, 52408), (56, 52450), (58, 52465), (59, 52486), (60, 52516), (66, 52636), (67, 52657), (69, 52702), (70, 52711), (74, 52747),

Gene: Intolerant_73 Start: 50923, Stop: 51891, Start Num: 28
Candidate Starts for Intolerant_73:

(12, 50704), (13, 50719), (21, 50806), (22, 50821), (Start: 27 @50917 has 2 MA's), (Start: 28 @50923 has 10 MA's), (29, 50944), (32, 50980), (34, 50998), (35, 51055), (36, 51112), (40, 51226), (45, 51349), (47, 51418), (48, 51451), (52, 51493), (53, 51511), (54, 51520), (59, 51598), (61, 51631), (65, 51721), (66, 51748), (75, 51880),

Gene: JackieB_76 Start: 51580, Stop: 52557, Start Num: 27
Candidate Starts for JackieB_76:
(4, 50980), (9, 51301), (11, 51307), (14, 51334), (20, 51415), (21, 51418), (22, 51433), (24, 51487), (25, 51493), (Start: 27 @51580 has 2 MA's), (Start: 28 @51586 has 10 MA's), (29, 51607), (30, 51625), (31, 51631), (32, 51643), (35, 51718), (36, 51775), (40, 51889), (41, 51901), (42, 51910), (45, 52012), (47, 52081), (49, 52126), (51, 52141), (54, 52183), (56, 52225), (58, 52240), (59, 52261), (60, 52291), (66, 52411), (67, 52432), (69, 52477), (70, 52486), (74, 52522),

Gene: LazerLemon_77 Start: 52080, Stop: 53042, Start Num: 28
Candidate Starts for LazerLemon_77:
(20, 51969), (21, 51972), (22, 51987), (24, 52035), (25, 52041), (Start: 28 @52080 has 10 MA's), (29, 52101), (32, 52137), (33, 52146), (34, 52155), (35, 52209), (36, 52266), (38, 52317), (40, 52380), (43, 52419), (45, 52506), (46, 52554), (47, 52575), (49, 52620), (55, 52689), (57, 52728), (60, 52785), (61, 52788), (62, 52809), (63, 52818), (64, 52860), (66, 52896), (67, 52917), (70, 52971), (72, 52989),

Gene: Marky_78 Start: 51336, Stop: 52307, Start Num: 28
Candidate Starts for Marky_78:
(18, 51198), (21, 51219), (22, 51234), (Start: 28 @51336 has 10 MA's), (29, 51357), (32, 51393), (35, 51468), (36, 51525), (37, 51537), (40, 51639), (44, 51723), (45, 51762), (50, 51885), (53, 51924), (59, 52011), (61, 52044), (66, 52161), (71, 52251), (73, 52269),

Gene: Microdon_74 Start: 50395, Stop: 51366, Start Num: 28
Candidate Starts for Microdon_74:
(10, 50167), (12, 50176), (20, 50275), (21, 50278), (22, 50293), (24, 50344), (25, 50350), (Start: 28 @50395 has 10 MA's), (29, 50416), (35, 50527), (36, 50584), (39, 50653), (40, 50698), (45, 50821), (47, 50890), (52, 50965), (53, 50983), (54, 50992), (59, 51070), (61, 51103), (65, 51193), (66, 51220), (70, 51295), (75, 51352),

Gene: Shynx_76 Start: 51248, Stop: 52216, Start Num: 28
Candidate Starts for Shynx_76:
(12, 51029), (13, 51044), (21, 51131), (22, 51146), (Start: 27 @51242 has 2 MA's), (Start: 28 @51248 has 10 MA's), (29, 51269), (32, 51305), (34, 51323), (35, 51380), (36, 51437), (40, 51551), (45, 51674), (47, 51743), (48, 51776), (52, 51818), (53, 51836), (54, 51845), (59, 51923), (61, 51956), (65, 52046), (66, 52073), (68, 52097), (75, 52205),

Gene: Stuff_76 Start: 51284, Stop: 52252, Start Num: 28
Candidate Starts for Stuff_76:
(1, 50432), (2, 50522), (3, 50714), (5, 50747), (6, 50897), (7, 50936), (8, 50960), (12, 51065), (21, 51167), (22, 51182), (Start: 27 @51278 has 2 MA's), (Start: 28 @51284 has 10 MA's), (29, 51305), (32, 51341), (34, 51359), (35, 51416), (36, 51473), (40, 51587), (45, 51710), (50, 51833), (52, 51854), (53, 51872), (54, 51881), (59, 51959), (61, 51992), (65, 52082), (66, 52109), (70, 52184), (75, 52241),

Gene: UNTPL_77 Start: 51758, Stop: 52726, Start Num: 28
Candidate Starts for UNTPL_77:
(15, 51575), (16, 51578), (17, 51593), (19, 51644), (23, 51701), (25, 51716), (Start: 28 @51758 has 10 MA's), (29, 51779), (32, 51815), (34, 51833), (35, 51890), (36, 51947), (40, 52061), (45, 52184), (47, 52253), (52, 52328), (53, 52346), (54, 52355), (59, 52433), (61, 52466), (65, 52556), (66, 52583), (75, 52715),