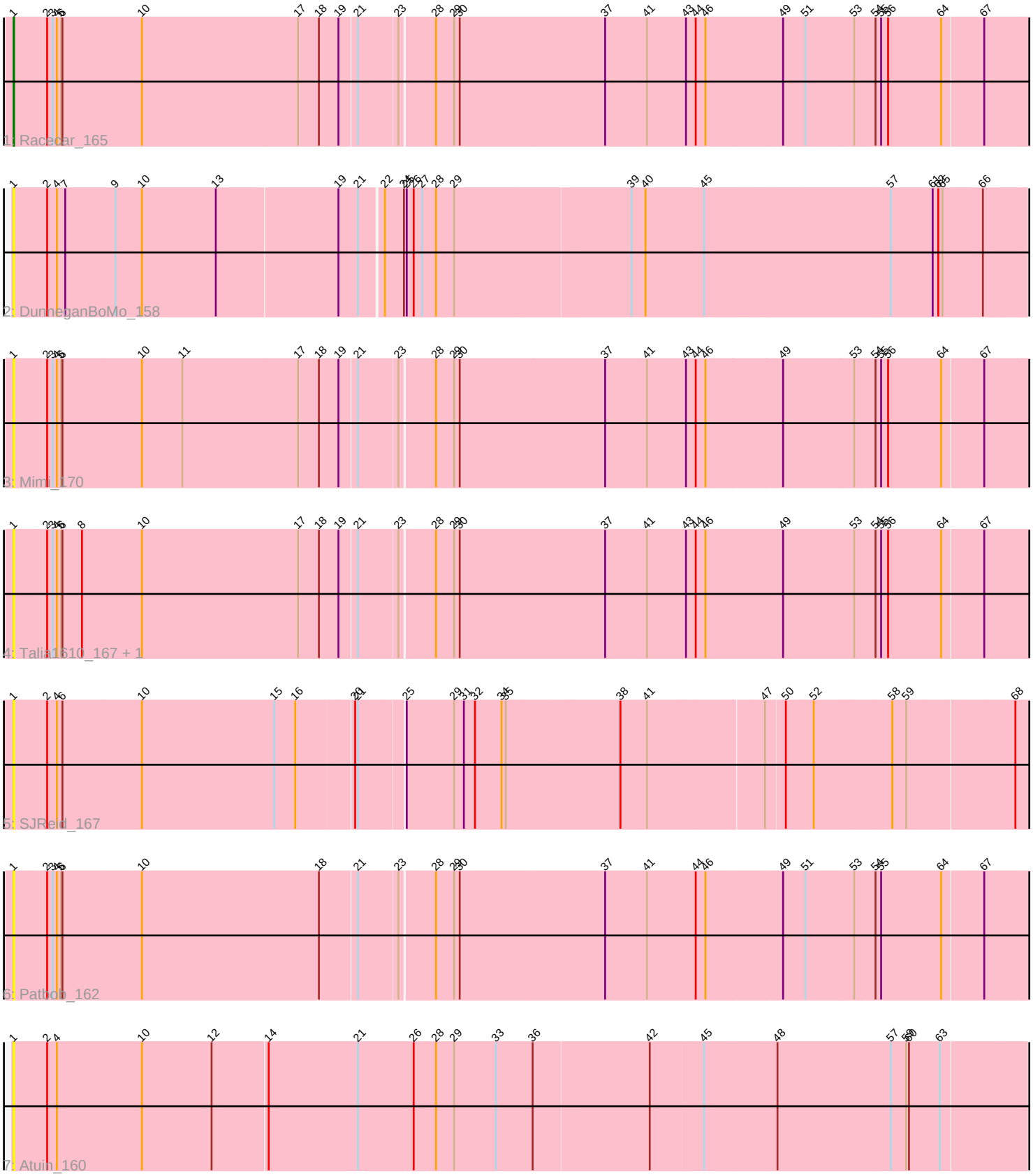
Pham 136173


1: Racecar_165
2: DunneganBoMo_158
3: Mimi_170
4: Talia1610_167 + 1
5: SJReid_167
6: Patbob_162
7: Atuin_160

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 136173 Report

This analysis was run 04/28/24 on database version 559.

Pham number 136173 has 8 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Racecar_165
• Track 2 : DunneganBoMo_158
• Track 3 : Mimi_170
• Track 4 : Talia1610_167, Bloom_167
• Track 5 : SJReid_167
• Track 6 : Patbob_162
• Track 7 : Atuin_160

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 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_160, Bloom_167, DunneganBoMo_158, Mimi_170, Patbob_162, Racecar_165, SJReid_167, Talia1610_167,

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 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_160 (FC), Bloom_167 (FC), DunneganBoMo_158 (FC), Mimi_170 (FC), Patbob_162 (FC), Racecar_165 (FC), SJReid_167 (FC), Talia1610_167 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

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

Gene Information:

Gene: Atuin_160 Start: 107067, Stop: 109196, Start Num: 1
Candidate Starts for Atuin_160:
(Start: 1 @107067 has 1 MA's), (2, 107136), (4, 107157), (10, 107340), (12, 107490), (14, 107604), (21, 107796), (26, 107916), (28, 107964), (29, 108003), (33, 108093), (36, 108171), (42, 108414), (45, 108522), (48, 108675), (57, 108915), (59, 108945), (60, 108951), (63, 109017),

Gene: Bloom_167 Start: 108314, Stop: 110467, Start Num: 1
Candidate Starts for Bloom_167:
(Start: 1 @108314 has 1 MA's), (2, 108380), (3, 108392), (4, 108401), (5, 108410), (6, 108413), (8, 108455), (10, 108581), (17, 108914), (18, 108959), (19, 108998), (21, 109034), (23, 109115), (28, 109187), (29, 109226), (30, 109238), (37, 109550), (41, 109640), (43, 109724), (44, 109745), (46, 109766), (49, 109931), (53, 110081), (54, 110126), (55, 110138), (56, 110153), (64, 110267), (67, 110354),

Gene: DunneganBoMo_158 Start: 103979, Stop: 106102, Start Num: 1
Candidate Starts for DunneganBoMo_158:
(Start: 1 @103979 has 1 MA's), (2, 104048), (4, 104069), (7, 104087), (9, 104195), (10, 104252), (13, 104411), (19, 104666), (21, 104708), (22, 104756), (24, 104795), (25, 104801), (26, 104816), (27, 104834), (28, 104864), (29, 104903), (39, 105275), (40, 105305), (45, 105428), (57, 105818), (61, 105905), (62, 105917), (65, 105926), (66, 106013),

Gene: Mimi_170 Start: 107939, Stop: 110092, Start Num: 1
Candidate Starts for Mimi_170:
(Start: 1 @107939 has 1 MA's), (2, 108005), (3, 108017), (4, 108026), (5, 108035), (6, 108038), (10, 108206), (11, 108293), (17, 108539), (18, 108584), (19, 108623), (21, 108659), (23, 108740), (28, 108812), (29, 108851), (30, 108863), (37, 109175), (41, 109265), (43, 109349), (44, 109370), (46, 109391), (49, 109556), (53, 109706), (54, 109751), (55, 109763), (56, 109778), (64, 109892), (67, 109979),

Gene: Patbob_162 Start: 108444, Stop: 110597, Start Num: 1
Candidate Starts for Patbob_162:
(Start: 1 @108444 has 1 MA's), (2, 108510), (3, 108522), (4, 108531), (5, 108540), (6, 108543), (10, 108711), (18, 109089), (21, 109164), (23, 109245), (28, 109317), (29, 109356), (30, 109368), (37, 109680), (41, 109770), (44, 109875), (46, 109896), (49, 110061), (51, 110109), (53, 110211), (54, 110256), (55, 110268), (64, 110397), (67, 110484),

Gene: Racecar_165 Start: 108905, Stop: 111058, Start Num: 1
Candidate Starts for Racecar_165:
(Start: 1 @108905 has 1 MA's), (2, 108971), (3, 108983), (4, 108992), (5, 109001), (6, 109004), (10, 109172), (17, 109505), (18, 109550), (19, 109589), (21, 109625), (23, 109706), (28, 109778), (29, 109817), (30, 109829), (37, 110141), (41, 110231), (43, 110315), (44, 110336), (46, 110357), (49, 110522), (51, 110570), (53, 110672), (54, 110717), (55, 110729), (56, 110744), (64, 110858), (67, 110945),

Gene: SJReid_167 Start: 98757, Stop: 100865, Start Num: 1
Candidate Starts for SJReid_167:
(Start: 1 @98757 has 1 MA's), (2, 98820), (4, 98841), (6, 98853), (10, 99021), (15, 99306), (16, 99351), (20, 99468), (21, 99474), (25, 99564), (29, 99666), (31, 99687), (32, 99711), (34, 99768), (35, 99777), (38, 100014), (41, 100071), (47, 100311), (50, 100347), (52, 100404), (58, 100569), (59, 100599), (68, 100824),

Gene: Talia1610_167 Start: 108316, Stop: 110469, Start Num: 1
Candidate Starts for Talia1610_167:
(Start: 1 @108316 has 1 MA's), (2, 108382), (3, 108394), (4, 108403), (5, 108412), (6, 108415), (8, 108457), (10, 108583), (17, 108916), (18, 108961), (19, 109000), (21, 109036), (23, 109117), (28, 109189), (29, 109228), (30, 109240), (37, 109552), (41, 109642), (43, 109726), (44, 109747), (46, 109768), (49, 109933), (53, 110083), (54, 110128), (55, 110140), (56, 110155), (64, 110269), (67, 110356),