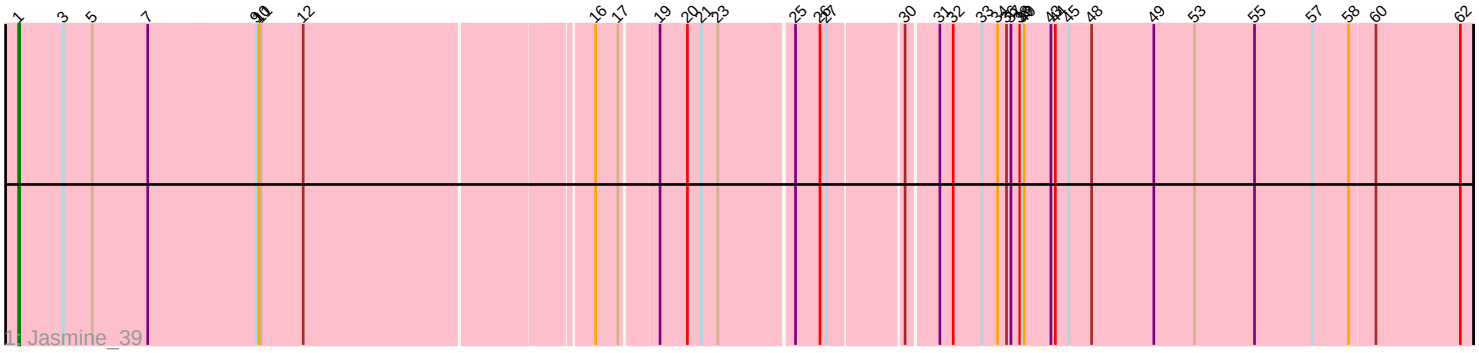
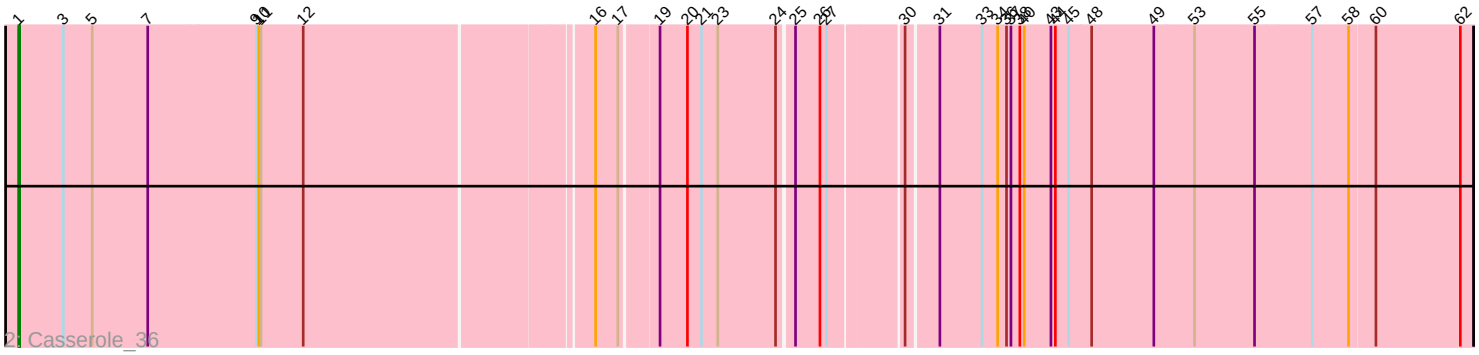
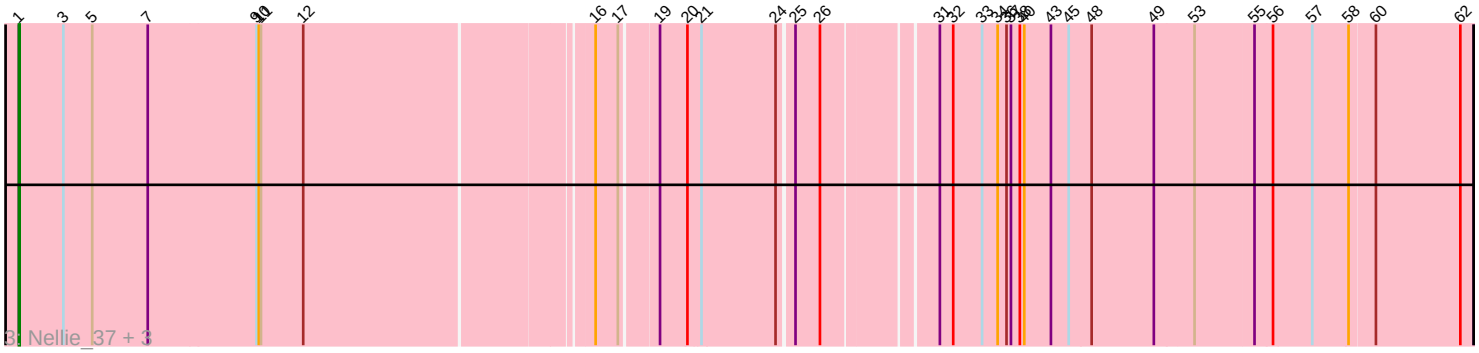
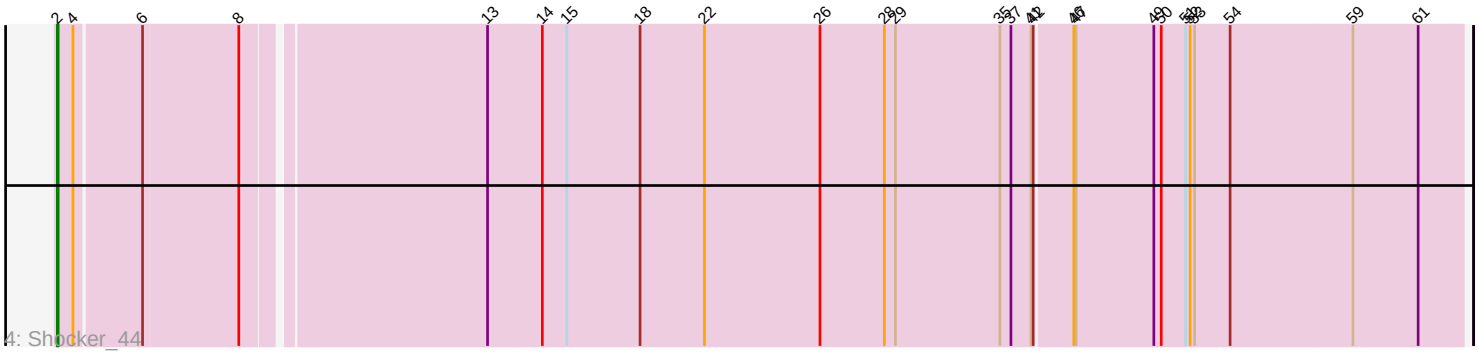
Pham 6707









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 6707 Report

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

Pham number 6707 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Jasmine_39
• Track 2 : Casserole_36
• Track 3 : Nellie_37, Adat_37, Brad_37, GurgleFerb_37
• Track 4 : Shocker_44

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

Genes that call this "Most Annotated" start:
• Adat_37, Brad_37, Casserole_36, GurgleFerb_37, Jasmine_39, Nellie_37,

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

Genes that do not have the "Most Annotated" start:
• Shocker_44,

Summary by start number:

Start 1:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adat_37 (AV), Brad_37 (AV), Casserole_36 (AV), GurgleFerb_37 (AV), Jasmine_39 (AV), Nellie_37 (AV),

Start 2:
• Found in 1 of 7 (14.3%) 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: Shocker_44 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, AV,

Info for manual annotations of cluster AV:
•Start number 1 was manually annotated 6 times for cluster AV.

Gene Information:

Gene: Adat_37 Start: 33687, Stop: 31822, Start Num: 1
Candidate Starts for Adat_37:
(Start: 1 @33687 has 6 MA's), (3, 33627), (5, 33588), (7, 33513), (9, 33369), (10, 33366), (11, 33363), (12, 33306), (16, 32940), (17, 32910), (19, 32865), (20, 32829), (21, 32814), (24, 32715), (25, 32697), (26, 32664), (31, 32526), (32, 32508), (33, 32469), (34, 32448), (36, 32436), (37, 32430), (38, 32418), (40, 32412), (43, 32376), (45, 32352), (48, 32322), (49, 32238), (53, 32187), (55, 32109), (56, 32085), (57, 32034), (58, 31986), (60, 31953), (62, 31839),

Gene: Brad_37 Start: 33685, Stop: 31820, Start Num: 1
Candidate Starts for Brad_37:
(Start: 1 @33685 has 6 MA's), (3, 33625), (5, 33586), (7, 33511), (9, 33367), (10, 33364), (11, 33361), (12, 33304), (16, 32938), (17, 32908), (19, 32863), (20, 32827), (21, 32812), (24, 32713), (25, 32695), (26, 32662), (31, 32524), (32, 32506), (33, 32467), (34, 32446), (36, 32434), (37, 32428), (38, 32416), (40, 32410), (43, 32374), (45, 32350), (48, 32320), (49, 32236), (53, 32185), (55, 32107), (56, 32083), (57, 32032), (58, 31984), (60, 31951), (62, 31837),

Gene: Casserole_36 Start: 34663, Stop: 32798, Start Num: 1
Candidate Starts for Casserole_36:
(Start: 1 @34663 has 6 MA's), (3, 34603), (5, 34564), (7, 34489), (9, 34345), (10, 34342), (11, 34339), (12, 34282), (16, 33916), (17, 33886), (19, 33841), (20, 33805), (21, 33790), (23, 33769), (24, 33691), (25, 33673), (26, 33640), (27, 33631), (30, 33541), (31, 33502), (33, 33445), (34, 33424), (36, 33412), (37, 33406), (38, 33394), (40, 33388), (43, 33352), (44, 33346), (45, 33328), (48, 33298), (49, 33214), (53, 33163), (55, 33085), (57, 33010), (58, 32962), (60, 32929), (62, 32815),

Gene: GurgleFerb_37 Start: 33686, Stop: 31821, Start Num: 1
Candidate Starts for GurgleFerb_37:
(Start: 1 @33686 has 6 MA's), (3, 33626), (5, 33587), (7, 33512), (9, 33368), (10, 33365), (11, 33362), (12, 33305), (16, 32939), (17, 32909), (19, 32864), (20, 32828), (21, 32813), (24, 32714), (25, 32696), (26, 32663), (31, 32525), (32, 32507), (33, 32468), (34, 32447), (36, 32435), (37, 32429), (38, 32417), (40, 32411), (43, 32375), (45, 32351), (48, 32321), (49, 32237), (53, 32186), (55, 32108), (56, 32084), (57, 32033), (58, 31985), (60, 31952), (62, 31838),

Gene: Jasmine_39 Start: 35196, Stop: 33331, Start Num: 1
Candidate Starts for Jasmine_39:
(Start: 1 @35196 has 6 MA's), (3, 35136), (5, 35097), (7, 35022), (9, 34878), (10, 34875), (11, 34872), (12, 34815), (16, 34449), (17, 34419), (19, 34374), (20, 34338), (21, 34323), (23, 34302), (25, 34206), (26, 34173), (27, 34164), (30, 34074), (31, 34035), (32, 34017), (33, 33978), (34, 33957), (36, 33945), (37, 33939), (38, 33927), (39, 33924), (40, 33921), (43, 33885), (44, 33879), (45, 33861), (48, 33831), (49, 33747), (53, 33696), (55, 33618), (57, 33543), (58, 33495), (60, 33462), (62, 33348),

Gene: Nellie_37 Start: 33687, Stop: 31822, Start Num: 1
Candidate Starts for Nellie_37:

(Start: 1 @33687 has 6 MA's), (3, 33627), (5, 33588), (7, 33513), (9, 33369), (10, 33366), (11, 33363), (12, 33306), (16, 32940), (17, 32910), (19, 32865), (20, 32829), (21, 32814), (24, 32715), (25, 32697), (26, 32664), (31, 32526), (32, 32508), (33, 32469), (34, 32448), (36, 32436), (37, 32430), (38, 32418), (40, 32412), (43, 32376), (45, 32352), (48, 32322), (49, 32238), (53, 32187), (55, 32109), (56, 32085), (57, 32034), (58, 31986), (60, 31953), (62, 31839),

Gene: Shocker_44 Start: 35083, Stop: 33251, Start Num: 2
Candidate Starts for Shocker_44:
(Start: 2 @35083 has 1 MA's), (4, 35062), (6, 34978), (8, 34852), (13, 34549), (14, 34477), (15, 34444), (18, 34345), (22, 34258), (26, 34102), (28, 34015), (29, 34000), (35, 33859), (37, 33844), (41, 33817), (42, 33814), (46, 33769), (47, 33766), (49, 33661), (50, 33652), (51, 33619), (52, 33613), (53, 33607), (54, 33559), (59, 33394), (61, 33310),