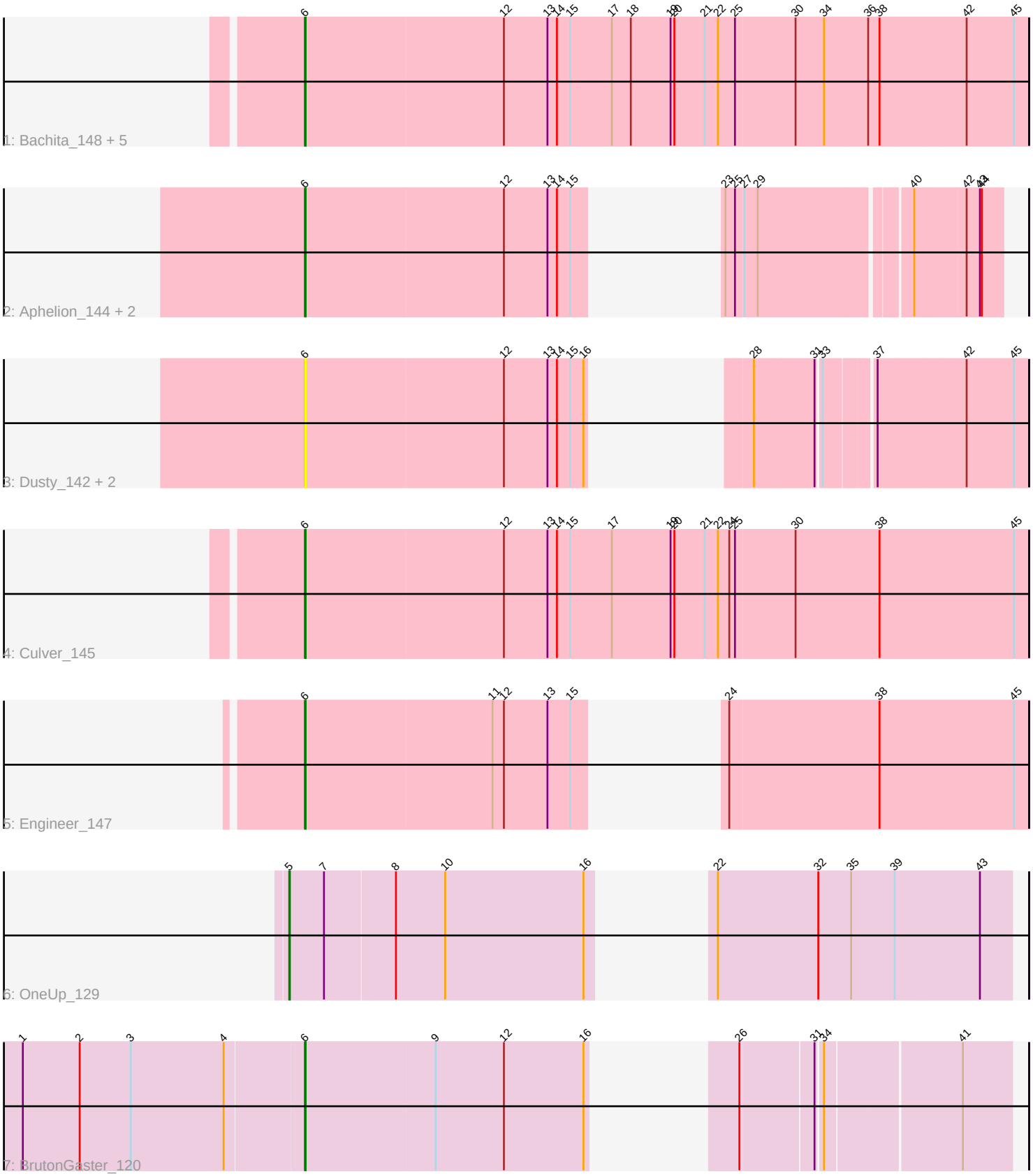
Pham 203394


1: Bachita_148 + 5
2: Aphelion_144 + 2
3: Dusty_142 + 2
4: Culver_145
5: Engineer_147
6: OneUp_129
7: BrutonGaster_120

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 203394 Report

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

Pham number 203394 has 16 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Bachita_148, ClubL_145, Norvs_143, Cucurbita_144, Lozinak_145, Toniann_145
• Track 2 : Aphelion_144, Miskis_143, PhinkBoden_143
• Track 3 : Dusty_142, Geeche_146, Abscondus_145
• Track 4 : Culver_145
• Track 5 : Engineer_147
• Track 6 : OneUp_129
• Track 7 : BrutonGaster_120

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

The start number called the most often in the published annotations is 6, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_145, Aphelion_144, Bachita_148, BrutonGaster_120, ClubL_145, Cucurbita_144, Culver_145, Dusty_142, Engineer_147, Geeche_146, Lozinak_145, Miskis_143, Norvs_143, PhinkBoden_143, Toniann_145,

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

Genes that do not have the "Most Annotated" start:
• OneUp_129,

Summary by start number:

Start 5:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: OneUp_129 (CQ2),

Start 6:

• Found in 15 of 16 (93.8%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_145 (CQ1), Aphelion_144 (CQ1), Bachita_148 (CQ1), BrutonGaster_120 (CQ2), ClubL_145 (CQ1), Cucurbita_144 (CQ1), Culver_145 (CQ1), Dusty_142 (CQ1), Engineer_147 (CQ1), Geeche_146 (CQ1), Lozinak_145 (CQ1), Miskis_143 (CQ1), Norvs_143 (CQ1), PhinkBoden_143 (CQ1), Toniann_145 (CQ1),

Summary by clusters:

There are 2 clusters represented in this pham: CQ2, CQ1,

Info for manual annotations of cluster CQ1:
•Start number 6 was manually annotated 10 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 5 was manually annotated 1 time for cluster CQ2.
•Start number 6 was manually annotated 1 time for cluster CQ2.

Gene Information:

Gene: Abscondus_145 Start: 78207, Stop: 79091, Start Num: 6
Candidate Starts for Abscondus_145:
(Start: 6 @78207 has 11 MA's), (12, 78519), (13, 78585), (14, 78600), (15, 78621), (16, 78642), (28, 78687), (31, 78780), (33, 78786), (37, 78855), (42, 78993), (45, 79068),

Gene: Aphelion_144 Start: 79132, Stop: 79980, Start Num: 6
Candidate Starts for Aphelion_144:
(Start: 6 @79132 has 11 MA's), (12, 79444), (13, 79510), (14, 79525), (15, 79546), (23, 79579), (25, 79594), (27, 79606), (29, 79627), (40, 79849), (42, 79924), (43, 79945), (44, 79948),

Gene: Bachita_148 Start: 78997, Stop: 80130, Start Num: 6
Candidate Starts for Bachita_148:
(Start: 6 @78997 has 11 MA's), (12, 79309), (13, 79375), (14, 79390), (15, 79411), (17, 79477), (18, 79507), (19, 79570), (20, 79576), (21, 79624), (22, 79645), (25, 79672), (30, 79765), (34, 79810), (36, 79879), (38, 79897), (42, 80032), (45, 80107),

Gene: BrutonGaster_120 Start: 72413, Stop: 73297, Start Num: 6
Candidate Starts for BrutonGaster_120:
(1, 71975), (2, 72065), (3, 72146), (4, 72293), (Start: 6 @72413 has 11 MA's), (9, 72617), (12, 72725), (16, 72851), (26, 72905), (31, 73013), (34, 73022), (41, 73220),

Gene: ClubL_145 Start: 77571, Stop: 78704, Start Num: 6
Candidate Starts for ClubL_145:
(Start: 6 @77571 has 11 MA's), (12, 77883), (13, 77949), (14, 77964), (15, 77985), (17, 78051), (18, 78081), (19, 78144), (20, 78150), (21, 78198), (22, 78219), (25, 78246), (30, 78339), (34, 78384), (36, 78453), (38, 78471), (42, 78606), (45, 78681),

Gene: Cucurbita_144 Start: 79310, Stop: 80443, Start Num: 6
Candidate Starts for Cucurbita_144:

(Start: 6 @79310 has 11 MA's), (12, 79622), (13, 79688), (14, 79703), (15, 79724), (17, 79790), (18, 79820), (19, 79883), (20, 79889), (21, 79937), (22, 79958), (25, 79985), (30, 80078), (34, 80123), (36, 80192), (38, 80210), (42, 80345), (45, 80420),

Gene: Culver_145 Start: 77574, Stop: 78707, Start Num: 6
Candidate Starts for Culver_145:
(Start: 6 @77574 has 11 MA's), (12, 77886), (13, 77952), (14, 77967), (15, 77988), (17, 78054), (19, 78147), (20, 78153), (21, 78201), (22, 78222), (24, 78240), (25, 78249), (30, 78342), (38, 78474), (45, 78684),

Gene: Dusty_142 Start: 78034, Stop: 78918, Start Num: 6
Candidate Starts for Dusty_142:
(Start: 6 @78034 has 11 MA's), (12, 78346), (13, 78412), (14, 78427), (15, 78448), (16, 78469), (28, 78514), (31, 78607), (33, 78613), (37, 78682), (42, 78820), (45, 78895),

Gene: Engineer_147 Start: 79046, Stop: 79966, Start Num: 6
Candidate Starts for Engineer_147:
(Start: 6 @79046 has 11 MA's), (11, 79340), (12, 79358), (13, 79424), (15, 79460), (24, 79499), (38, 79733), (45, 79943),

Gene: Geeche_146 Start: 78460, Stop: 79344, Start Num: 6
Candidate Starts for Geeche_146:
(Start: 6 @78460 has 11 MA's), (12, 78772), (13, 78838), (14, 78853), (15, 78874), (16, 78895), (28, 78940), (31, 79033), (33, 79039), (37, 79108), (42, 79246), (45, 79321),

Gene: Lozinak_145 Start: 78838, Stop: 79971, Start Num: 6
Candidate Starts for Lozinak_145:
(Start: 6 @78838 has 11 MA's), (12, 79150), (13, 79216), (14, 79231), (15, 79252), (17, 79318), (18, 79348), (19, 79411), (20, 79417), (21, 79465), (22, 79486), (25, 79513), (30, 79606), (34, 79651), (36, 79720), (38, 79738), (42, 79873), (45, 79948),

Gene: Miskis_143 Start: 77881, Stop: 78729, Start Num: 6
Candidate Starts for Miskis_143:
(Start: 6 @77881 has 11 MA's), (12, 78193), (13, 78259), (14, 78274), (15, 78295), (23, 78328), (25, 78343), (27, 78355), (29, 78376), (40, 78598), (42, 78673), (43, 78694), (44, 78697),

Gene: Norvs_143 Start: 78029, Stop: 79162, Start Num: 6
Candidate Starts for Norvs_143:
(Start: 6 @78029 has 11 MA's), (12, 78341), (13, 78407), (14, 78422), (15, 78443), (17, 78509), (18, 78539), (19, 78602), (20, 78608), (21, 78656), (22, 78677), (25, 78704), (30, 78797), (34, 78842), (36, 78911), (38, 78929), (42, 79064), (45, 79139),

Gene: OneUp_129 Start: 76870, Stop: 77817, Start Num: 5
Candidate Starts for OneUp_129:
(Start: 5 @76870 has 1 MA's), (7, 76921), (8, 77029), (10, 77107), (16, 77326), (22, 77356), (32, 77515), (35, 77566), (39, 77635), (43, 77767),

Gene: PhinkBoden_143 Start: 78709, Stop: 79557, Start Num: 6
Candidate Starts for PhinkBoden_143:
(Start: 6 @78709 has 11 MA's), (12, 79021), (13, 79087), (14, 79102), (15, 79123), (23, 79156), (25, 79171), (27, 79183), (29, 79204), (40, 79426), (42, 79501), (43, 79522), (44, 79525),

Gene: Toniann_145 Start: 78170, Stop: 79303, Start Num: 6

Candidate Starts for Toniann_145:
(Start: 6 @78170 has 11 MA's), (12, 78482), (13, 78548), (14, 78563), (15, 78584), (17, 78650), (18, 78680), (19, 78743), (20, 78749), (21, 78797), (22, 78818), (25, 78845), (30, 78938), (34, 78983), (36, 79052), (38, 79070), (42, 79205), (45, 79280),