Pham 348022


1: EdgarPoe_2 + 13
2: KBurrousTX_2
3: DrYang_2
4: Chubster_2 + 1
5: Colucci_2
6: ArV1_100
7: Lymara_2
8: Bubbykins_2

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 348022 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348022 has 22 members, 2 are drafts.

Phages represented in each track:
• Track 1 : EdgarPoe_2, Conboy_2, MoyaNatalis_2, Kabreeze_2, Scavito_2, Chipper1996_20, JaNo_2, HumptyDumpty_2, RosiePosie_2, Mordred_2, Chocolat_2, Tophat_2, PrincessTrina_2, JayCookie_2
• Track 2 : KBurrousTX_2
• Track 3 : DrYang_2
• Track 4 : Chubster_2, Linus_2
• Track 5 : Colucci_2
• Track 6 : ArV1_100
• Track 7 : Lymara_2
• Track 8 : Bubbykins_2

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

The start number called the most often in the published annotations is 2, it was called in 19 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArV1_100, Bubbykins_2, Chipper1996_20, Chocolat_2, Chubster_2, Conboy_2, DrYang_2, EdgarPoe_2, HumptyDumpty_2, JaNo_2, JayCookie_2, KBurrousTX_2, Kabreeze_2, Linus_2, Lymara_2, Mordred_2, MoyaNatalis_2, PrincessTrina_2, RosiePosie_2, Scavito_2, Tophat_2,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Colucci_2,

Summary by start number:

Start 1:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Colucci_2 (AR),

Start 2:
• Found in 21 of 22 (95.5%) of genes in pham
• Manual Annotations of this start: 19 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArV1_100 (AR), Bubbykins_2 (UNK), Chipper1996_20 (AR), Chocolat_2 (AR), Chubster_2 (AR), Conboy_2 (AR), DrYang_2 (AR), EdgarPoe_2 (AR), HumptyDumpty_2 (AR), JaNo_2 (AR), JayCookie_2 (AR), KBurrousTX_2 (AR), Kabreeze_2 (AR), Linus_2 (AR), Lymara_2 (AR), Mordred_2 (AR), MoyaNatalis_2 (AR), PrincessTrina_2 (AR), RosiePosie_2 (AR), Scavito_2 (AR), Tophat_2 (AR),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, AR,

Info for manual annotations of cluster AR:
•Start number 1 was manually annotated 1 time for cluster AR.
•Start number 2 was manually annotated 18 times for cluster AR.

Info for manual annotations of cluster UNK:
•Start number 2 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: ArV1_100 Start: 70474, Stop: 71133, Start Num: 2
Candidate Starts for ArV1_100:
(Start: 2 @70474 has 19 MA's), (3, 70486), (7, 70540), (9, 70603), (10, 70633), (11, 70639), (13, 70681), (15, 70723), (18, 70750), (20, 70807), (21, 70813), (31, 70879), (33, 70915), (34, 70927), (35, 70939), (37, 70972), (41, 71041), (42, 71059), (43, 71077), (44, 71095), (45, 71110),

Gene: Bubbykins_2 Start: 660, Stop: 1301, Start Num: 2
Candidate Starts for Bubbykins_2:
(Start: 2 @660 has 19 MA's), (4, 696), (5, 708), (8, 768), (9, 786), (11, 822), (17, 927), (20, 987), (21, 993), (23, 1005), (29, 1047), (36, 1128), (37, 1140), (39, 1158), (42, 1227), (43, 1245), (44, 1263),

Gene: Chipper1996_20 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for Chipper1996_20:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: Chocolat_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for Chocolat_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: Chubster_2 Start: 657, Stop: 1307, Start Num: 2
Candidate Starts for Chubster_2:

(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (21, 987), (22, 993), (31, 1050), (34, 1098), (38, 1149), (41, 1212), (42, 1230), (43, 1248), (44, 1266),

Gene: Colucci_2 Start: 654, Stop: 1313, Start Num: 1
Candidate Starts for Colucci_2:
(Start: 1 @654 has 1 MA's), (3, 666), (5, 702), (7, 720), (9, 783), (12, 852), (15, 903), (20, 987), (21, 993), (31, 1059), (33, 1095), (34, 1107), (35, 1119), (37, 1152), (41, 1221), (42, 1239), (43, 1257), (44, 1275), (45, 1290),

Gene: Conboy_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for Conboy_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: DrYang_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for DrYang_2:
(Start: 2 @657 has 19 MA's), (3, 669), (4, 693), (6, 717), (9, 777), (10, 807), (12, 846), (15, 897), (21, 987), (25, 1017), (27, 1026), (33, 1089), (34, 1101), (40, 1176), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: EdgarPoe_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for EdgarPoe_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: HumptyDumpty_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for HumptyDumpty_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: JaNo_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for JaNo_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: JayCookie_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for JayCookie_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: KBurrousTX_2 Start: 654, Stop: 1316, Start Num: 2
Candidate Starts for KBurrousTX_2:
(Start: 2 @654 has 19 MA's), (3, 666), (6, 717), (10, 816), (14, 903), (16, 915), (17, 930), (19, 957), (20, 990), (21, 996), (27, 1035), (34, 1110), (40, 1185), (41, 1224), (42, 1242), (43, 1260), (44, 1278),

Gene: Kabreeze_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for Kabreeze_2:

(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: Linus_2 Start: 657, Stop: 1307, Start Num: 2
Candidate Starts for Linus_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (21, 987), (22, 993), (31, 1050), (34, 1098), (38, 1149), (41, 1212), (42, 1230), (43, 1248), (44, 1266),

Gene: Lymara_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for Lymara_2:
(Start: 2 @657 has 19 MA's), (3, 669), (5, 705), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (31, 1053), (33, 1089), (34, 1101), (35, 1113), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269), (45, 1284),

Gene: Mordred_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for Mordred_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: MoyaNatalis_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for MoyaNatalis_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: PrincessTrina_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for PrincessTrina_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: RosiePosie_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for RosiePosie_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: Scavito_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for Scavito_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),

Gene: Tophat_2 Start: 657, Stop: 1310, Start Num: 2
Candidate Starts for Tophat_2:
(Start: 2 @657 has 19 MA's), (3, 669), (6, 717), (11, 813), (12, 846), (15, 897), (20, 981), (21, 987), (24, 1014), (26, 1023), (27, 1026), (28, 1029), (30, 1050), (32, 1080), (33, 1089), (34, 1101), (38, 1152), (41, 1215), (42, 1233), (43, 1251), (44, 1269),