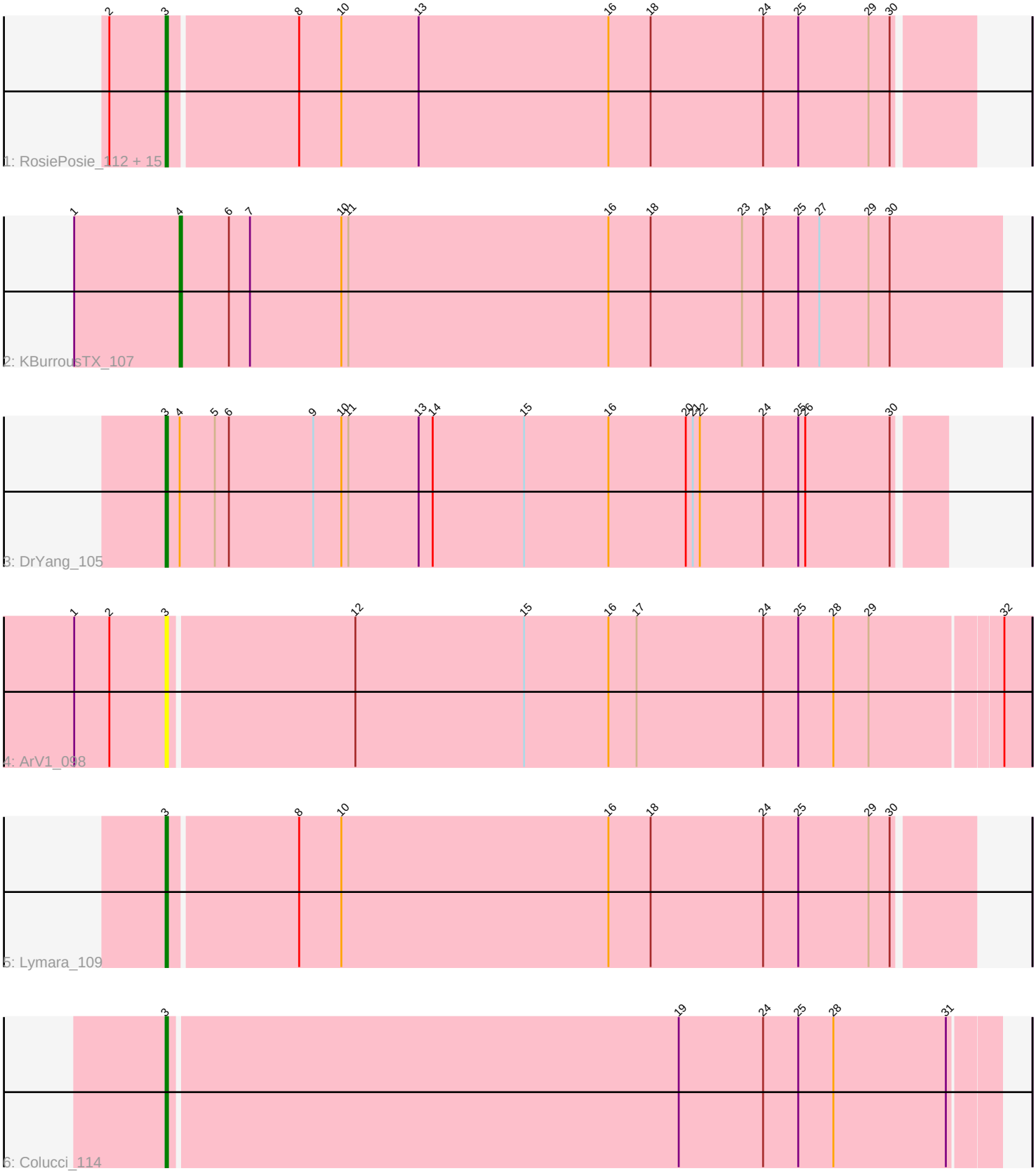
Pham 348044


2
3
8
10
13
16
18
24
25
29
30
1: RosiePosie_112 + 15
1
4
6
7
10
11
16
18
23
24
25
27
29
30
2: KBurrousTX_107
3
4
5
6
9
10
11
13
14
15
16
20
21
22
24
25
26
30
3: DrYang_105
1
2
3
12
15
16
17
24
25
28
29
32
4: ArV1_098
3
8
10
16
18
24
25
29
30
5: Lymara_109
3
19
24
25
28
31
6: Colucci_114

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 348044 Report

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

Pham number 348044 has 21 members, 2 are drafts.

Phages represented in each track:
• Track 1 : RosiePosie_112, HumptyDumpty_111, Chubster_112, Kabreeze_111, Chipper1996_1120, Scavito_112, Chocolat_111, Tophat_111, JayCookie_112, EdgarPoe_111, PrincessTrina_112, Conboy_111, Linus_112, Mordred_111, JaNo_110, MoyaNatalis_112
• Track 2 : KBurrousTX_107
• Track 3 : DrYang_105
• Track 4 : ArV1_098
• Track 5 : Lymara_109
• Track 6 : Colucci_114

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

The start number called the most often in the published annotations is 3, it was called in 18 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArV1_098, Chipper1996_1120, Chocolat_111, Chubster_112, Colucci_114, Conboy_111, DrYang_105, EdgarPoe_111, HumptyDumpty_111, JaNo_110, JayCookie_112, Kabreeze_111, Linus_112, Lymara_109, Mordred_111, MoyaNatalis_112, PrincessTrina_112, RosiePosie_112, Scavito_112, Tophat_111,

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

Genes that do not have the "Most Annotated" start:
• KBurrousTX_107,

Summary by start number:

Start 3:
• Found in 20 of 21 (95.2%) of genes in pham
• Manual Annotations of this start: 18 of 19
• Called 100.0% of time when present

• Phage (with cluster) where this start called: ArV1_098 (AR), Chipper1996_1120 (AR), Chocolat_111 (AR), Chubster_112 (AR), Colucci_114 (AR), Conboy_111 (AR), DrYang_105 (AR), EdgarPoe_111 (AR), HumptyDumpty_111 (AR), JaNo_110 (AR), JayCookie_112 (AR), Kabreeze_111 (AR), Linus_112 (AR), Lymara_109 (AR), Mordred_111 (AR), MoyaNatalis_112 (AR), PrincessTrina_112 (AR), RosiePosie_112 (AR), Scavito_112 (AR), Tophat_111 (AR),

Start 4:
• Found in 2 of 21 (9.5%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 50.0% of time when present
• Phage (with cluster) where this start called: KBurrousTX_107 (AR),

Summary by clusters:

There is one cluster represented in this pham: AR

Info for manual annotations of cluster AR:
•Start number 3 was manually annotated 18 times for cluster AR.
•Start number 4 was manually annotated 1 time for cluster AR.

Gene Information:

Gene: ArV1_098 Start: 69415, Stop: 69777, Start Num: 3
Candidate Starts for ArV1_098:
(1, 69376), (2, 69391), (Start: 3 @69415 has 18 MA's), (12, 69493), (15, 69565), (16, 69601), (17, 69613), (24, 69667), (25, 69682), (28, 69697), (29, 69712), (32, 69766),

Gene: Chipper1996_1120 Start: 69696, Stop: 70034, Start Num: 3
Candidate Starts for Chipper1996_1120:
(2, 69672), (Start: 3 @69696 has 18 MA's), (8, 69750), (10, 69768), (13, 69801), (16, 69882), (18, 69900), (24, 69948), (25, 69963), (29, 69993), (30, 70002),

Gene: Chocolat_111 Start: 69404, Stop: 69742, Start Num: 3
Candidate Starts for Chocolat_111:
(2, 69380), (Start: 3 @69404 has 18 MA's), (8, 69458), (10, 69476), (13, 69509), (16, 69590), (18, 69608), (24, 69656), (25, 69671), (29, 69701), (30, 69710),

Gene: Chubster_112 Start: 69864, Stop: 70193, Start Num: 3
Candidate Starts for Chubster_112:
(2, 69840), (Start: 3 @69864 has 18 MA's), (8, 69918), (10, 69936), (13, 69969), (16, 70050), (18, 70068), (24, 70116), (25, 70131), (29, 70161), (30, 70170),

Gene: Colucci_114 Start: 70302, Stop: 70652, Start Num: 3
Candidate Starts for Colucci_114:
(Start: 3 @70302 has 18 MA's), (19, 70518), (24, 70554), (25, 70569), (28, 70584), (31, 70632),

Gene: Conboy_111 Start: 69702, Stop: 70040, Start Num: 3
Candidate Starts for Conboy_111:
(2, 69678), (Start: 3 @69702 has 18 MA's), (8, 69756), (10, 69774), (13, 69807), (16, 69888), (18, 69906), (24, 69954), (25, 69969), (29, 69999), (30, 70008),

Gene: DrYang_105 Start: 68663, Stop: 68992, Start Num: 3
Candidate Starts for DrYang_105:
(Start: 3 @68663 has 18 MA's), (Start: 4 @68669 has 1 MA's), (5, 68684), (6, 68690), (9, 68726), (10, 68738), (11, 68741), (13, 68771), (14, 68777), (15, 68816), (16, 68852), (20, 68885), (21, 68888), (22, 68891), (24, 68918), (25, 68933), (26, 68936), (30, 68972),

Gene: EdgarPoe_111 Start: 69782, Stop: 70120, Start Num: 3
Candidate Starts for EdgarPoe_111:
(2, 69758), (Start: 3 @69782 has 18 MA's), (8, 69836), (10, 69854), (13, 69887), (16, 69968), (18, 69986), (24, 70034), (25, 70049), (29, 70079), (30, 70088),

Gene: HumptyDumpty_111 Start: 69584, Stop: 69922, Start Num: 3
Candidate Starts for HumptyDumpty_111:
(2, 69560), (Start: 3 @69584 has 18 MA's), (8, 69638), (10, 69656), (13, 69689), (16, 69770), (18, 69788), (24, 69836), (25, 69851), (29, 69881), (30, 69890),

Gene: JaNo_110 Start: 69555, Stop: 69893, Start Num: 3
Candidate Starts for JaNo_110:
(2, 69531), (Start: 3 @69555 has 18 MA's), (8, 69609), (10, 69627), (13, 69660), (16, 69741), (18, 69759), (24, 69807), (25, 69822), (29, 69852), (30, 69861),

Gene: JayCookie_112 Start: 69968, Stop: 70306, Start Num: 3
Candidate Starts for JayCookie_112:
(2, 69944), (Start: 3 @69968 has 18 MA's), (8, 70022), (10, 70040), (13, 70073), (16, 70154), (18, 70172), (24, 70220), (25, 70235), (29, 70265), (30, 70274),

Gene: KBurrousTX_107 Start: 70618, Stop: 70968, Start Num: 4
Candidate Starts for KBurrousTX_107:
(1, 70573), (Start: 4 @70618 has 1 MA's), (6, 70639), (7, 70648), (10, 70687), (11, 70690), (16, 70801), (18, 70819), (23, 70858), (24, 70867), (25, 70882), (27, 70891), (29, 70912), (30, 70921),

Gene: Kabreeze_111 Start: 69641, Stop: 69979, Start Num: 3
Candidate Starts for Kabreeze_111:
(2, 69617), (Start: 3 @69641 has 18 MA's), (8, 69695), (10, 69713), (13, 69746), (16, 69827), (18, 69845), (24, 69893), (25, 69908), (29, 69938), (30, 69947),

Gene: Linus_112 Start: 70132, Stop: 70470, Start Num: 3
Candidate Starts for Linus_112:
(2, 70108), (Start: 3 @70132 has 18 MA's), (8, 70186), (10, 70204), (13, 70237), (16, 70318), (18, 70336), (24, 70384), (25, 70399), (29, 70429), (30, 70438),

Gene: Lymara_109 Start: 68369, Stop: 68707, Start Num: 3
Candidate Starts for Lymara_109:
(Start: 3 @68369 has 18 MA's), (8, 68423), (10, 68441), (16, 68555), (18, 68573), (24, 68621), (25, 68636), (29, 68666), (30, 68675),

Gene: Mordred_111 Start: 69680, Stop: 70018, Start Num: 3
Candidate Starts for Mordred_111:
(2, 69656), (Start: 3 @69680 has 18 MA's), (8, 69734), (10, 69752), (13, 69785), (16, 69866), (18, 69884), (24, 69932), (25, 69947), (29, 69977), (30, 69986),

Gene: MoyaNatalis_112 Start: 69414, Stop: 69752, Start Num: 3

Candidate Starts for MoyaNatalis_112:
(2, 69390), (Start: 3 @69414 has 18 MA's), (8, 69468), (10, 69486), (13, 69519), (16, 69600), (18, 69618), (24, 69666), (25, 69681), (29, 69711), (30, 69720),

Gene: PrincessTrina_112 Start: 69871, Stop: 70209, Start Num: 3
Candidate Starts for PrincessTrina_112:
(2, 69847), (Start: 3 @69871 has 18 MA's), (8, 69925), (10, 69943), (13, 69976), (16, 70057), (18, 70075), (24, 70123), (25, 70138), (29, 70168), (30, 70177),

Gene: RosiePosie_112 Start: 70002, Stop: 70340, Start Num: 3
Candidate Starts for RosiePosie_112:
(2, 69978), (Start: 3 @70002 has 18 MA's), (8, 70056), (10, 70074), (13, 70107), (16, 70188), (18, 70206), (24, 70254), (25, 70269), (29, 70299), (30, 70308),

Gene: Scavito_112 Start: 69729, Stop: 70067, Start Num: 3
Candidate Starts for Scavito_112:
(2, 69705), (Start: 3 @69729 has 18 MA's), (8, 69783), (10, 69801), (13, 69834), (16, 69915), (18, 69933), (24, 69981), (25, 69996), (29, 70026), (30, 70035),

Gene: Tophat_111 Start: 69697, Stop: 70035, Start Num: 3
Candidate Starts for Tophat_111:
(2, 69673), (Start: 3 @69697 has 18 MA's), (8, 69751), (10, 69769), (13, 69802), (16, 69883), (18, 69901), (24, 69949), (25, 69964), (29, 69994), (30, 70003),