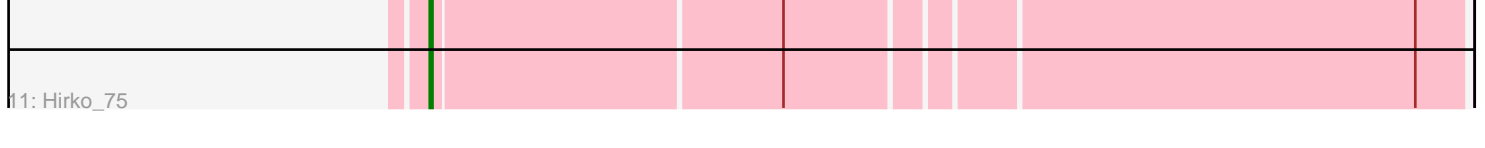
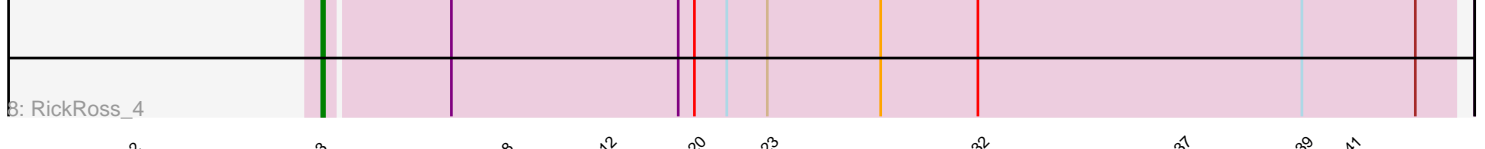
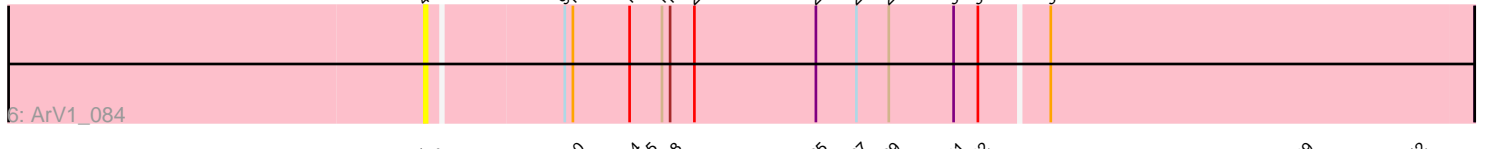
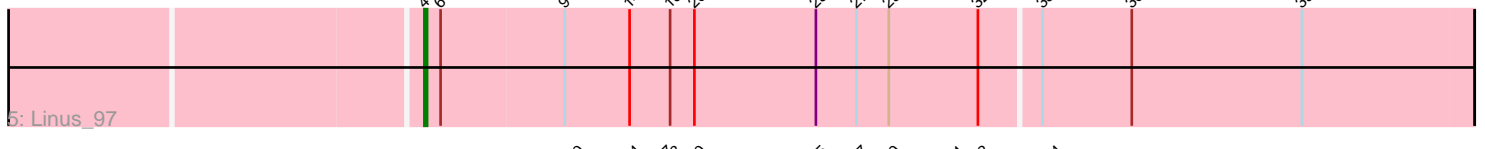
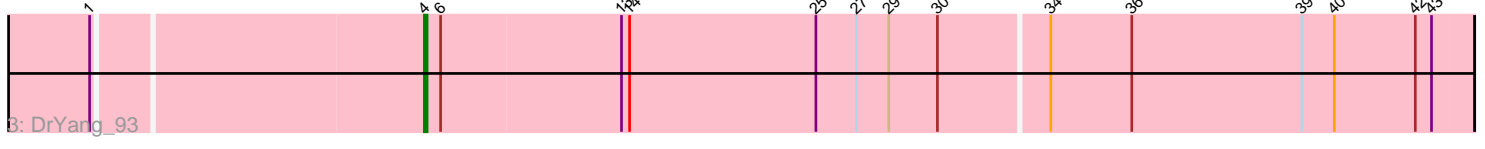
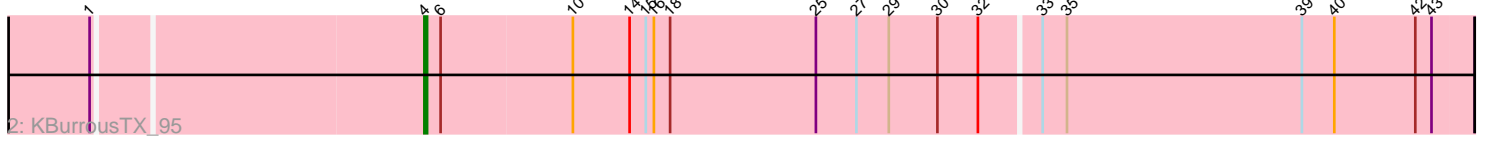
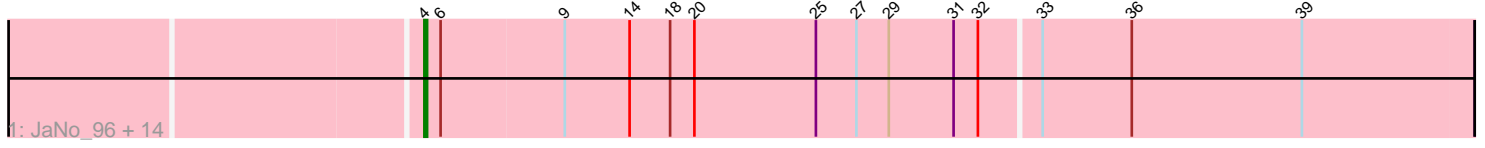


Pham 158135



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 158135 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158135 has 25 members, 3 are drafts.

Phages represented in each track:

- Track 1 : JaNo_96, Mordred_97, HumptyDumpty_97, JayCookie_97, Chubster_97, PrincessTrina_98, Conboy_95, RosiePosie_97, EdgarPoe_96, Scavito_98, Chocolat_97, Kabreeze_97, MoyaNatalis_96, Tophat_98, Chipper1996_980
- Track 2 : KBurrousTX_95
- Track 3 : DrYang_93
- Track 4 : Colucci_100
- Track 5 : Linus_97
- Track 6 : ArV1_084
- Track 7 : Lymara_94
- Track 8 : RickRoss_4
- Track 9 : Forthebois_4
- Track 10 : WheeHeim_4
- Track 11 : Hirko_75

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

The start number called the most often in the published annotations is 4, it was called in 18 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArV1_084, Chipper1996_980, Chocolat_97, Chubster_97, Colucci_100, Conboy_95, DrYang_93, EdgarPoe_96, HumptyDumpty_97, JaNo_96, JayCookie_97, KBurrousTX_95, Kabreeze_97, Linus_97, Lymara_94, Mordred_97, MoyaNatalis_96, PrincessTrina_98, RosiePosie_97, Scavito_98, Tophat_98,

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

-

Genes that do not have the "Most Annotated" start:

- Forthebois_4, Hirko_75, RickRoss_4, WheeHeim_4,

Summary by start number:

Start 3:

- Found in 3 of 25 (12.0%) of genes in pham
- Manual Annotations of this start: 3 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Forthebois_4 (BO), RickRoss_4 (BO), WheeHeim_4 (BO),

Start 4:

- Found in 21 of 25 (84.0%) of genes in pham
- Manual Annotations of this start: 18 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArV1_084 (AR), Chipper1996_980 (AR), Chocolat_97 (AR), Chubster_97 (AR), Colucci_100 (AR), Conboy_95 (AR), DrYang_93 (AR), EdgarPoe_96 (AR), HumptyDumpty_97 (AR), JaNo_96 (AR), JayCookie_97 (AR), KBurrousTX_95 (AR), Kabreeze_97 (AR), Linus_97 (AR), Lymara_94 (AR), Mordred_97 (AR), MoyaNatalis_96 (AR), PrincessTrina_98 (AR), RosiePosie_97 (AR), Scavito_98 (AR), Tophat_98 (AR),

Start 5:

- Found in 1 of 25 (4.0%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hirko_75 (FL),

Summary by clusters:

There are 3 clusters represented in this pham: BO, AR, FL,

Info for manual annotations of cluster AR:

- Start number 4 was manually annotated 18 times for cluster AR.

Info for manual annotations of cluster BO:

- Start number 3 was manually annotated 3 times for cluster BO.

Info for manual annotations of cluster FL:

- Start number 5 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: ArV1_084 Start: 61126, Stop: 61506, Start Num: 4

Candidate Starts for ArV1_084:

(Start: 4 @61126 has 18 MA's), (9, 61174), (10, 61177), (14, 61198), (17, 61210), (18, 61213), (20, 61222), (25, 61267), (27, 61282), (29, 61294), (31, 61318), (32, 61327), (34, 61351),

Gene: Chipper1996_980 Start: 62828, Stop: 63211, Start Num: 4

Candidate Starts for Chipper1996_980:

(Start: 4 @62828 has 18 MA's), (6, 62834), (9, 62879), (14, 62903), (18, 62918), (20, 62927), (25, 62972), (27, 62987), (29, 62999), (31, 63023), (32, 63032), (33, 63053), (36, 63086), (39, 63149),

Gene: Chocolat_97 Start: 62535, Stop: 62918, Start Num: 4

Candidate Starts for Chocolat_97:

(Start: 4 @62535 has 18 MA's), (6, 62541), (9, 62586), (14, 62610), (18, 62625), (20, 62634), (25, 62679), (27, 62694), (29, 62706), (31, 62730), (32, 62739), (33, 62760), (36, 62793), (39, 62856),

Gene: Chubster_97 Start: 62775, Stop: 63158, Start Num: 4

Candidate Starts for Chubster_97:

(Start: 4 @62775 has 18 MA's), (6, 62781), (9, 62826), (14, 62850), (18, 62865), (20, 62874), (25, 62919), (27, 62934), (29, 62946), (31, 62970), (32, 62979), (33, 63000), (36, 63033), (39, 63096),

Gene: Colucci_100 Start: 63169, Stop: 63552, Start Num: 4

Candidate Starts for Colucci_100:

(Start: 4 @63169 has 18 MA's), (6, 63175), (9, 63220), (11, 63232), (14, 63244), (15, 63250), (16, 63253), (25, 63313), (27, 63328), (29, 63340), (32, 63373), (33, 63394),

Gene: Conboy_95 Start: 62284, Stop: 62667, Start Num: 4

Candidate Starts for Conboy_95:

(Start: 4 @62284 has 18 MA's), (6, 62290), (9, 62335), (14, 62359), (18, 62374), (20, 62383), (25, 62428), (27, 62443), (29, 62455), (31, 62479), (32, 62488), (33, 62509), (36, 62542), (39, 62605),

Gene: DrYang_93 Start: 62321, Stop: 62704, Start Num: 4

Candidate Starts for DrYang_93:

(1, 62204), (Start: 4 @62321 has 18 MA's), (6, 62327), (13, 62393), (14, 62396), (25, 62465), (27, 62480), (29, 62492), (30, 62510), (34, 62549), (36, 62579), (39, 62642), (40, 62654), (42, 62684), (43, 62690),

Gene: EdgarPoe_96 Start: 62692, Stop: 63075, Start Num: 4

Candidate Starts for EdgarPoe_96:

(Start: 4 @62692 has 18 MA's), (6, 62698), (9, 62743), (14, 62767), (18, 62782), (20, 62791), (25, 62836), (27, 62851), (29, 62863), (31, 62887), (32, 62896), (33, 62917), (36, 62950), (39, 63013),

Gene: Forthebois_4 Start: 1381, Stop: 971, Start Num: 3

Candidate Starts for Forthebois_4:

(2, 1450), (Start: 3 @1381 has 3 MA's), (8, 1312), (12, 1285), (20, 1252), (23, 1225), (32, 1147), (37, 1072), (39, 1027), (41, 1009),

Gene: Hirko_75 Start: 46796, Stop: 47161, Start Num: 5

Candidate Starts for Hirko_75:

(Start: 5 @46796 has 1 MA's), (24, 46922), (42, 47144),

Gene: HumptyDumpty_97 Start: 62495, Stop: 62878, Start Num: 4

Candidate Starts for HumptyDumpty_97:

(Start: 4 @62495 has 18 MA's), (6, 62501), (9, 62546), (14, 62570), (18, 62585), (20, 62594), (25, 62639), (27, 62654), (29, 62666), (31, 62690), (32, 62699), (33, 62720), (36, 62753), (39, 62816),

Gene: JaNo_96 Start: 62466, Stop: 62849, Start Num: 4

Candidate Starts for JaNo_96:

(Start: 4 @62466 has 18 MA's), (6, 62472), (9, 62517), (14, 62541), (18, 62556), (20, 62565), (25, 62610), (27, 62625), (29, 62637), (31, 62661), (32, 62670), (33, 62691), (36, 62724), (39, 62787),

Gene: JayCookie_97 Start: 63028, Stop: 63411, Start Num: 4

Candidate Starts for JayCookie_97:

(Start: 4 @63028 has 18 MA's), (6, 63034), (9, 63079), (14, 63103), (18, 63118), (20, 63127), (25, 63172), (27, 63187), (29, 63199), (31, 63223), (32, 63232), (33, 63253), (36, 63286), (39, 63349),

Gene: KBurrousTX_95 Start: 63905, Stop: 64288, Start Num: 4

Candidate Starts for KBurrousTX_95:

(1, 63788), (Start: 4 @63905 has 18 MA's), (6, 63911), (10, 63959), (14, 63980), (15, 63986), (16, 63989), (18, 63995), (25, 64049), (27, 64064), (29, 64076), (30, 64094), (32, 64109), (33, 64130), (35, 64139), (39, 64226), (40, 64238), (42, 64268), (43, 64274),

Gene: Kabreeze_97 Start: 62552, Stop: 62935, Start Num: 4

Candidate Starts for Kabreeze_97:

(Start: 4 @62552 has 18 MA's), (6, 62558), (9, 62603), (14, 62627), (18, 62642), (20, 62651), (25, 62696), (27, 62711), (29, 62723), (31, 62747), (32, 62756), (33, 62777), (36, 62810), (39, 62873),

Gene: Linus_97 Start: 63000, Stop: 63383, Start Num: 4

Candidate Starts for Linus_97:

(Start: 4 @63000 has 18 MA's), (6, 63006), (9, 63051), (14, 63075), (18, 63090), (20, 63099), (25, 63144), (27, 63159), (29, 63171), (32, 63204), (33, 63225), (36, 63258), (39, 63321),

Gene: Lymara_94 Start: 61459, Stop: 61842, Start Num: 4

Candidate Starts for Lymara_94:

(Start: 4 @61459 has 18 MA's), (6, 61465), (10, 61513), (14, 61534), (15, 61540), (18, 61549), (25, 61603), (27, 61618), (29, 61630), (31, 61654), (32, 61663), (39, 61780), (42, 61822),

Gene: Mordred_97 Start: 62591, Stop: 62974, Start Num: 4

Candidate Starts for Mordred_97:

(Start: 4 @62591 has 18 MA's), (6, 62597), (9, 62642), (14, 62666), (18, 62681), (20, 62690), (25, 62735), (27, 62750), (29, 62762), (31, 62786), (32, 62795), (33, 62816), (36, 62849), (39, 62912),

Gene: MoyaNatalis_96 Start: 62474, Stop: 62857, Start Num: 4

Candidate Starts for MoyaNatalis_96:

(Start: 4 @62474 has 18 MA's), (6, 62480), (9, 62525), (14, 62549), (18, 62564), (20, 62573), (25, 62618), (27, 62633), (29, 62645), (31, 62669), (32, 62678), (33, 62699), (36, 62732), (39, 62795),

Gene: PrincessTrina_98 Start: 62782, Stop: 63165, Start Num: 4

Candidate Starts for PrincessTrina_98:

(Start: 4 @62782 has 18 MA's), (6, 62788), (9, 62833), (14, 62857), (18, 62872), (20, 62881), (25, 62926), (27, 62941), (29, 62953), (31, 62977), (32, 62986), (33, 63007), (36, 63040), (39, 63103),

Gene: RickRoss_4 Start: 1342, Stop: 926, Start Num: 3

Candidate Starts for RickRoss_4:

(Start: 3 @1342 has 3 MA's), (7, 1297), (19, 1213), (20, 1207), (21, 1195), (23, 1180), (28, 1138), (32, 1102), (39, 982), (42, 940),

Gene: RosiePosie_97 Start: 62647, Stop: 63030, Start Num: 4

Candidate Starts for RosiePosie_97:

(Start: 4 @62647 has 18 MA's), (6, 62653), (9, 62698), (14, 62722), (18, 62737), (20, 62746), (25, 62791), (27, 62806), (29, 62818), (31, 62842), (32, 62851), (33, 62872), (36, 62905), (39, 62968),

Gene: Scavito_98 Start: 62640, Stop: 63023, Start Num: 4

Candidate Starts for Scavito_98:

(Start: 4 @62640 has 18 MA's), (6, 62646), (9, 62691), (14, 62715), (18, 62730), (20, 62739), (25, 62784), (27, 62799), (29, 62811), (31, 62835), (32, 62844), (33, 62865), (36, 62898), (39, 62961),

Gene: Tophat_98 Start: 62829, Stop: 63212, Start Num: 4

Candidate Starts for Tophat_98:

(Start: 4 @62829 has 18 MA's), (6, 62835), (9, 62880), (14, 62904), (18, 62919), (20, 62928), (25, 62973), (27, 62988), (29, 63000), (31, 63024), (32, 63033), (33, 63054), (36, 63087), (39, 63150),

Gene: WheeHeim_4 Start: 1388, Stop: 981, Start Num: 3

Candidate Starts for WheeHeim_4:

(2, 1457), (Start: 3 @1388 has 3 MA's), (20, 1262), (22, 1241), (23, 1235), (26, 1208), (32, 1157), (38, 1040), (39, 1037),