Pham 5904

1: KristaRAM_109 + 10

2: StAnnes_105

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 5904 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5904 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : KristaRAM_109, Maravista_98, Job42_102, Karhdo_96, Zizzle_104, Zerg_99, BobaPhett_103, Burwell21_95, Pippy_99, Beakin_93, Awesomesauce_92
• Track 2 : StAnnes_105

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 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Awesomesauce_92, Beakin_93, BobaPhett_103, Burwell21_95, Job42_102, Karhdo_96, KristaRAM_109, Maravista_98, Pippy_99, Zerg_99, Zizzle_104,

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

Genes that do not have the "Most Annotated" start:
• StAnnes_105,

Summary by start number:

Start 2:
• Found in 11 of 12 (91.7%) 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: Awesomesauce_92 (F1), Beakin_93 (F1), BobaPhett_103 (F1), Burwell21_95 (F1), Job42_102 (F1), Karhdo_96 (F1), KristaRAM_109 (F1), Maravista_98 (F1), Pippy_99 (F1), Zerg_99 (F1), Zizzle_104 (F1),

Start 3:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 8.3% of time when present

• Phage (with cluster) where this start called: StAnnes_105 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:
•Start number 2 was manually annotated 11 times for cluster F1.
•Start number 3 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: Awesomesauce_92 Start: 54396, Stop: 54698, Start Num: 2
Candidate Starts for Awesomesauce_92:
(1, 54387), (Start: 2 @54396 has 11 MA's), (Start: 3 @54417 has 1 MA's), (4, 54495), (5, 54522), (6, 54528), (7, 54579), (8, 54633), (9, 54657),

Gene: Beakin_93 Start: 51434, Stop: 51736, Start Num: 2
Candidate Starts for Beakin_93:
(1, 51425), (Start: 2 @51434 has 11 MA's), (Start: 3 @51455 has 1 MA's), (4, 51533), (5, 51560), (6, 51566), (7, 51617), (8, 51671), (9, 51695),

Gene: BobaPhett_103 Start: 56519, Stop: 56821, Start Num: 2
Candidate Starts for BobaPhett_103:
(1, 56510), (Start: 2 @56519 has 11 MA's), (Start: 3 @56540 has 1 MA's), (4, 56618), (5, 56645), (6, 56651), (7, 56702), (8, 56756), (9, 56780),

Gene: Burwell21_95 Start: 54284, Stop: 54586, Start Num: 2
Candidate Starts for Burwell21_95:
(1, 54275), (Start: 2 @54284 has 11 MA's), (Start: 3 @54305 has 1 MA's), (4, 54383), (5, 54410), (6, 54416), (7, 54467), (8, 54521), (9, 54545),

Gene: Job42_102 Start: 56748, Stop: 57050, Start Num: 2
Candidate Starts for Job42_102:
(1, 56739), (Start: 2 @56748 has 11 MA's), (Start: 3 @56769 has 1 MA's), (4, 56847), (5, 56874), (6, 56880), (7, 56931), (8, 56985), (9, 57009),

Gene: Karhdo_96 Start: 52337, Stop: 52639, Start Num: 2
Candidate Starts for Karhdo_96:
(1, 52328), (Start: 2 @52337 has 11 MA's), (Start: 3 @52358 has 1 MA's), (4, 52436), (5, 52463), (6, 52469), (7, 52520), (8, 52574), (9, 52598),

Gene: KristaRAM_109 Start: 55658, Stop: 55960, Start Num: 2
Candidate Starts for KristaRAM_109:
(1, 55649), (Start: 2 @55658 has 11 MA's), (Start: 3 @55679 has 1 MA's), (4, 55757), (5, 55784), (6, 55790), (7, 55841), (8, 55895), (9, 55919),

Gene: Maravista_98 Start: 56301, Stop: 56603, Start Num: 2
Candidate Starts for Maravista_98:
(1, 56292), (Start: 2 @56301 has 11 MA's), (Start: 3 @56322 has 1 MA's), (4, 56400), (5, 56427), (6, 56433), (7, 56484), (8, 56538), (9, 56562),

Gene: Pippy_99 Start: 53621, Stop: 53923, Start Num: 2
Candidate Starts for Pippy_99:
(1, 53612), (Start: 2 @53621 has 11 MA's), (Start: 3 @53642 has 1 MA's), (4, 53720), (5, 53747), (6, 53753), (7, 53804), (8, 53858), (9, 53882),

Gene: StAnnes_105 Start: 55860, Stop: 56141, Start Num: 3
Candidate Starts for StAnnes_105:
(Start: 3 @55860 has 1 MA's), (4, 55938), (5, 55965), (6, 55971), (7, 56022), (8, 56076), (9, 56100),

Gene: Zerg_99 Start: 54263, Stop: 54565, Start Num: 2
Candidate Starts for Zerg_99:
(1, 54254), (Start: 2 @54263 has 11 MA's), (Start: 3 @54284 has 1 MA's), (4, 54362), (5, 54389), (6, 54395), (7, 54446), (8, 54500), (9, 54524),

Gene: Zizzle_104 Start: 56339, Stop: 56641, Start Num: 2
Candidate Starts for Zizzle_104:
(1, 56330), (Start: 2 @56339 has 11 MA's), (Start: 3 @56360 has 1 MA's), (4, 56438), (5, 56465), (6, 56471), (7, 56522), (8, 56576), (9, 56600),