Pham 87178

1: HannahD_16 + 1
2: Hedwig_17 + 1
3: Bunker_16
4: Bowser_16 + 2
5: Schnabeltier_16 + 1
6: BackstagePass_16
7: Kiko_17
8: TaronosaurasRx_16 + 1
9: BBQValindra_16

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 87178 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87178 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : HannahD_16, GEazy_16
• Track 2 : Hedwig_17, DirtyBoi_17
• Track 3 : Bunker_16
• Track 4 : Bowser_16, Eyes_16, Opie_16
• Track 5 : Schnabeltier_16, MagicMan_16
• Track 6 : BackstagePass_16
• Track 7 : Kiko_17
• Track 8 : TaronosaurasRx_16, ZAYM_16
• Track 9 : BBQValindra_16

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BBQValindra_16, BackstagePass_16, Bowser_16, Bunker_16, DirtyBoi_17, Eyes_16, GEazy_16, HannahD_16, Hedwig_17, Kiko_17, MagicMan_16, Opie_16, Schnabeltier_16, TaronosaurasRx_16, ZAYM_16,

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

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

Summary by start number:

Start 1:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BBQValindra_16 (DB), BackstagePass_16 (DB), Bowser_16 (DB), Bunker_16 (DB), DirtyBoi_17 (DB),

Eyes_16 (DB), GEazy_16 (DB), HannahD_16 (DB), Hedwig_17 (DB), Kiko_17 (DB), MagicMan_16 (DB), Opie_16 (DB), Schnabeltier_16 (DB), TaronosaurasRx_16 (DB), ZAYM_16 (DB),

Summary by clusters:

There is one cluster represented in this pham: DB

Info for manual annotations of cluster DB:
•Start number 1 was manually annotated 12 times for cluster DB.

Gene Information:

Gene: BBQValindra_16 Start: 10101, Stop: 10535, Start Num: 1
Candidate Starts for BBQValindra_16:
(Start: 1 @10101 has 12 MA's), (3, 10290), (4, 10293), (6, 10302), (7, 10362), (10, 10455), (13, 10503),

Gene: BackstagePass_16 Start: 10076, Stop: 10513, Start Num: 1
Candidate Starts for BackstagePass_16:
(Start: 1 @10076 has 12 MA's), (3, 10268), (4, 10271), (5, 10274), (6, 10280), (10, 10433), (12, 10469), (13, 10481),

Gene: Bowser_16 Start: 10107, Stop: 10541, Start Num: 1
Candidate Starts for Bowser_16:
(Start: 1 @10107 has 12 MA's), (3, 10296), (4, 10299), (5, 10302), (6, 10308), (7, 10368), (10, 10461), (13, 10509),

Gene: Bunker_16 Start: 10101, Stop: 10535, Start Num: 1
Candidate Starts for Bunker_16:
(Start: 1 @10101 has 12 MA's), (2, 10287), (3, 10290), (4, 10293), (6, 10302), (7, 10362), (10, 10455), (11, 10473), (13, 10503),

Gene: DirtyBoi_17 Start: 10533, Stop: 10952, Start Num: 1
Candidate Starts for DirtyBoi_17:
(Start: 1 @10533 has 12 MA's), (5, 10713), (8, 10782), (10, 10872),

Gene: Eyes_16 Start: 10115, Stop: 10549, Start Num: 1
Candidate Starts for Eyes_16:
(Start: 1 @10115 has 12 MA's), (3, 10304), (4, 10307), (5, 10310), (6, 10316), (7, 10376), (10, 10469), (13, 10517),

Gene: GEazy_16 Start: 10123, Stop: 10557, Start Num: 1
Candidate Starts for GEazy_16:
(Start: 1 @10123 has 12 MA's), (2, 10309), (3, 10312), (6, 10324), (7, 10384), (10, 10477), (13, 10525),

Gene: HannahD_16 Start: 10123, Stop: 10557, Start Num: 1
Candidate Starts for HannahD_16:
(Start: 1 @10123 has 12 MA's), (2, 10309), (3, 10312), (6, 10324), (7, 10384), (10, 10477), (13, 10525),

Gene: Hedwig_17 Start: 10529, Stop: 10948, Start Num: 1
Candidate Starts for Hedwig_17:
(Start: 1 @10529 has 12 MA's), (5, 10709), (8, 10778), (10, 10868),

Gene: Kiko_17 Start: 10399, Stop: 10821, Start Num: 1
Candidate Starts for Kiko_17:
(Start: 1 @10399 has 12 MA's), (2, 10573), (5, 10582), (8, 10651), (10, 10741),

Gene: MagicMan_16 Start: 10451, Stop: 10885, Start Num: 1
Candidate Starts for MagicMan_16:
(Start: 1 @10451 has 12 MA's), (3, 10640), (4, 10643), (5, 10646), (6, 10652), (10, 10805), (13, 10853),

Gene: Opie_16 Start: 10459, Stop: 10893, Start Num: 1
Candidate Starts for Opie_16:
(Start: 1 @10459 has 12 MA's), (3, 10648), (4, 10651), (5, 10654), (6, 10660), (7, 10720), (10, 10813), (13, 10861),

Gene: Schnabeltier_16 Start: 10452, Stop: 10886, Start Num: 1
Candidate Starts for Schnabeltier_16:
(Start: 1 @10452 has 12 MA's), (3, 10641), (4, 10644), (5, 10647), (6, 10653), (10, 10806), (13, 10854),

Gene: TaronosaurasRx_16 Start: 10458, Stop: 10892, Start Num: 1
Candidate Starts for TaronosaurasRx_16:
(Start: 1 @10458 has 12 MA's), (3, 10647), (5, 10653), (6, 10659), (7, 10719), (9, 10806), (10, 10812), (13, 10860),

Gene: ZAYM_16 Start: 10450, Stop: 10884, Start Num: 1
Candidate Starts for ZAYM_16:
(Start: 1 @10450 has 12 MA's), (3, 10639), (5, 10645), (6, 10651), (7, 10711), (9, 10798), (10, 10804), (13, 10852),