



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 87552 Report

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

Pham number 87552 has 13 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Schnabeltier_60
- Track 2 : Coriander_55, Doggs_53
- Track 3 : GEazy_62, HannahD_59
- Track 4 : BackstagePass_63
- Track 5 : TaronosaurusRx_64
- Track 6 : Eyes_55
- Track 7 : Bunker_52
- Track 8 : BBQValindra_56
- Track 9 : ZAYM_61
- Track 10 : Bowser_56
- Track 11 : Opie_62

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 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BBQValindra_56, BackstagePass_63, Bunker_52, Coriander_55, Doggs_53, Eyes_55, GEazy_62, HannahD_59, Opie_62, Schnabeltier_60, TaronosaurusRx_64,

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

- Bowser_56, ZAYM_61,

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

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Summary by start number:

Start 2:

- Found in 5 of 13 (38.5%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: ZAYM_61 (DB),

Start 3:

- Found in 5 of 13 (38.5%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Bowser_56 (DB),

Start 4:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 84.6% of time when present
- Phage (with cluster) where this start called: BBQValindra_56 (DB), BackstagePass_63 (DB), Bunker_52 (DB), Coriander_55 (DB), Doggs_53 (DB), Eyes_55 (DB), GEazy_62 (DB), HannahD_59 (DB), Opie_62 (DB), Schnabeltier_60 (DB), TaronosaurusRx_64 (DB),

Summary by clusters:

There is one cluster represented in this pham: DB

Info for manual annotations of cluster DB:

- Start number 3 was manually annotated 1 time for cluster DB.
- Start number 4 was manually annotated 8 times for cluster DB.

Gene Information:

Gene: BBQValindra_56 Start: 40188, Stop: 40664, Start Num: 4

Candidate Starts for BBQValindra_56:

(2, 40179), (Start: 3 @40182 has 1 MA's), (Start: 4 @40188 has 8 MA's), (5, 40200), (7, 40218), (8, 40239), (9, 40245), (11, 40314), (12, 40338), (18, 40608),

Gene: BackstagePass_63 Start: 39602, Stop: 40078, Start Num: 4

Candidate Starts for BackstagePass_63:

(1, 39593), (Start: 4 @39602 has 8 MA's), (6, 39617), (7, 39632), (8, 39653), (9, 39659), (12, 39752), (18, 40022),

Gene: Bowser_56 Start: 39908, Stop: 40390, Start Num: 3

Candidate Starts for Bowser_56:

(2, 39905), (Start: 3 @39908 has 1 MA's), (Start: 4 @39914 has 8 MA's), (7, 39944), (10, 40034), (12, 40064), (13, 40145), (14, 40169),

Gene: Bunker_52 Start: 38495, Stop: 38971, Start Num: 4

Candidate Starts for Bunker_52:

(2, 38486), (Start: 3 @38489 has 1 MA's), (Start: 4 @38495 has 8 MA's), (6, 38510), (7, 38525), (8, 38546), (9, 38552), (12, 38645), (18, 38915),

Gene: Coriander_55 Start: 38632, Stop: 39132, Start Num: 4

Candidate Starts for Coriander_55:

(1, 38623), (Start: 4 @38632 has 8 MA's), (7, 38662), (8, 38683), (12, 38782), (15, 38965), (16, 38980),

Gene: Doggs_53 Start: 38951, Stop: 39436, Start Num: 4

Candidate Starts for Doggs_53:

(1, 38942), (Start: 4 @38951 has 8 MA's), (7, 38981), (8, 39002), (12, 39101), (15, 39284), (16, 39299),

Gene: Eyes_55 Start: 39963, Stop: 40439, Start Num: 4

Candidate Starts for Eyes_55:

(1, 39954), (Start: 4 @39963 has 8 MA's), (7, 39993), (8, 40014), (11, 40089), (12, 40113), (18, 40383),

Gene: GEazy_62 Start: 40145, Stop: 40621, Start Num: 4

Candidate Starts for GEazy_62:

(1, 40136), (Start: 4 @40145 has 8 MA's), (7, 40175), (8, 40196), (12, 40295), (18, 40565),

Gene: HannahD_59 Start: 39512, Stop: 39988, Start Num: 4

Candidate Starts for HannahD_59:

(1, 39503), (Start: 4 @39512 has 8 MA's), (7, 39542), (8, 39563), (12, 39662), (18, 39932),

Gene: Opie_62 Start: 41230, Stop: 41706, Start Num: 4

Candidate Starts for Opie_62:

(2, 41221), (Start: 3 @41224 has 1 MA's), (Start: 4 @41230 has 8 MA's), (7, 41260), (8, 41281), (12, 41380), (18, 41650),

Gene: Schnabeltier_60 Start: 40546, Stop: 41022, Start Num: 4

Candidate Starts for Schnabeltier_60:

(1, 40537), (Start: 4 @40546 has 8 MA's), (7, 40576), (8, 40597), (12, 40696), (18, 40966),

Gene: TaronosaurusRx_64 Start: 40546, Stop: 41022, Start Num: 4

Candidate Starts for TaronosaurusRx_64:

(Start: 4 @40546 has 8 MA's), (7, 40576), (12, 40696), (14, 40801), (17, 40906),

Gene: ZAYM_61 Start: 40256, Stop: 40741, Start Num: 2

Candidate Starts for ZAYM_61:

(2, 40256), (Start: 3 @40259 has 1 MA's), (Start: 4 @40265 has 8 MA's), (7, 40295), (12, 40415), (14, 40520), (18, 40685),