Pham 5052

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 5052 Report

This analysis was run 04/22/24 on database version 561.

Pham number 5052 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Cerasum_43, Sarma624_44, Kersh_49, Eradicator_40, Kingsley_43, MilleniumForce_47, Plumbus_48, Velveteen_42, Rialto_52, BigPhil_43, Coco12_45, Yorick_46
• Track 2 : Doug_48

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 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigPhil_43, Cerasum_43, Coco12_45, Eradicator_40, Kersh_49, Kingsley_43, MilleniumForce_47, Plumbus_48, Rialto_52, Sarma624_44, Velveteen_42, Yorick_46,

Genes that have the "Most Annotated" start but do not call it:
• Doug_48,

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

Summary by start number:

Start 1:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 92.3% of time when present
• Phage (with cluster) where this start called: BigPhil_43 (F1), Cerasum_43 (F1), Coco12_45 (F1), Eradicator_40 (F1), Kersh_49 (F1), Kingsley_43 (F1), MilleniumForce_47 (F1), Plumbus_48 (F1), Rialto_52 (F1), Sarma624_44 (F1), Velveteen_42 (F1), Yorick_46 (F1),

Start 2:
• Found in 13 of 13 (100.0%) of genes in pham

• Manual Annotations of this start: 1 of 13
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Doug_48 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:
•Start number 1 was manually annotated 12 times for cluster F1.
•Start number 2 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: BigPhil_43 Start: 31745, Stop: 32326, Start Num: 1
Candidate Starts for BigPhil_43:
(Start: 1 @31745 has 12 MA's), (Start: 2 @31808 has 1 MA's), (3, 32246), (4, 32279),

Gene: Cerasum_43 Start: 31763, Stop: 32344, Start Num: 1
Candidate Starts for Cerasum_43:
(Start: 1 @31763 has 12 MA's), (Start: 2 @31826 has 1 MA's), (3, 32264), (4, 32297),

Gene: Coco12_45 Start: 35820, Stop: 36401, Start Num: 1
Candidate Starts for Coco12_45:
(Start: 1 @35820 has 12 MA's), (Start: 2 @35883 has 1 MA's), (3, 36321), (4, 36354),

Gene: Doug_48 Start: 36379, Stop: 36897, Start Num: 2
Candidate Starts for Doug_48:
(Start: 1 @36316 has 12 MA's), (Start: 2 @36379 has 1 MA's), (3, 36817), (4, 36850),

Gene: Eradicator_40 Start: 33880, Stop: 34461, Start Num: 1
Candidate Starts for Eradicator_40:
(Start: 1 @33880 has 12 MA's), (Start: 2 @33943 has 1 MA's), (3, 34381), (4, 34414),

Gene: Kersh_49 Start: 37632, Stop: 38213, Start Num: 1
Candidate Starts for Kersh_49:
(Start: 1 @37632 has 12 MA's), (Start: 2 @37695 has 1 MA's), (3, 38133), (4, 38166),

Gene: Kingsley_43 Start: 34553, Stop: 35134, Start Num: 1
Candidate Starts for Kingsley_43:
(Start: 1 @34553 has 12 MA's), (Start: 2 @34616 has 1 MA's), (3, 35054), (4, 35087),

Gene: MilleniumForce_47 Start: 36714, Stop: 37295, Start Num: 1
Candidate Starts for MilleniumForce_47:
(Start: 1 @36714 has 12 MA's), (Start: 2 @36777 has 1 MA's), (3, 37215), (4, 37248),

Gene: Plumbus_48 Start: 35660, Stop: 36241, Start Num: 1
Candidate Starts for Plumbus_48:
(Start: 1 @35660 has 12 MA's), (Start: 2 @35723 has 1 MA's), (3, 36161), (4, 36194),

Gene: Rialto_52 Start: 38232, Stop: 38813, Start Num: 1

Candidate Starts for Rialto_52:
(Start: 1 @38232 has 12 MA's), (Start: 2 @38295 has 1 MA's), (3, 38733), (4, 38766),

Gene: Sarma624_44 Start: 31745, Stop: 32326, Start Num: 1
Candidate Starts for Sarma624_44:
(Start: 1 @31745 has 12 MA's), (Start: 2 @31808 has 1 MA's), (3, 32246), (4, 32279),

Gene: Velveteen_42 Start: 31745, Stop: 32326, Start Num: 1
Candidate Starts for Velveteen_42:
(Start: 1 @31745 has 12 MA's), (Start: 2 @31808 has 1 MA's), (3, 32246), (4, 32279),

Gene: Yorick_46 Start: 35918, Stop: 36499, Start Num: 1
Candidate Starts for Yorick_46:
(Start: 1 @35918 has 12 MA's), (Start: 2 @35981 has 1 MA's), (3, 36419), (4, 36452),