Pham 6813

1: ByChance_35 + 7

2: DosHalletts_49
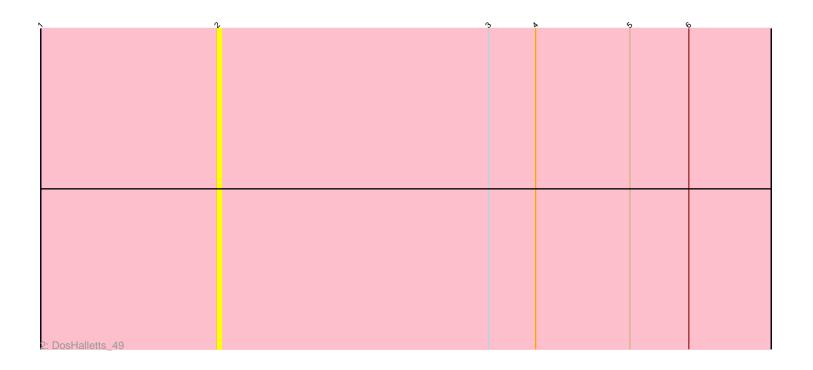
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 6813 Report

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

Pham number 6813 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : ByChance_35, Gorge_49, Mattes_48, SwagPigglett_50, Philus_48, James_48, Quico_53, Firehouse51_45
• Track 2 : DosHalletts_49

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

Genes that call this "Most Annotated" start:
• ByChance_35, DosHalletts_49, Firehouse51_45, Gorge_49, James_48, Mattes_48, Philus_48, Quico_53, SwagPigglett_50,

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 2:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ByChance_35 (F1), DosHalletts_49 (F1), Firehouse51_45 (F1), Gorge_49 (F1), James_48 (F1), Mattes_48 (F1), Philus_48 (F1), Quico_53 (F1), SwagPigglett_50 (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 8 times for cluster F1.

Gene Information:

Gene: ByChance_35 Start: 29498, Stop: 29358, Start Num: 2
Candidate Starts for ByChance_35:
(Start: 2 @29498 has 8 MA's), (3, 29429), (4, 29417), (5, 29393), (6, 29378),

Gene: DosHalletts_49 Start: 34472, Stop: 34332, Start Num: 2
Candidate Starts for DosHalletts_49:
(1, 34517), (Start: 2 @34472 has 8 MA's), (3, 34403), (4, 34391), (5, 34367), (6, 34352),

Gene: Firehouse51_45 Start: 36110, Stop: 35970, Start Num: 2
Candidate Starts for Firehouse51_45:
(Start: 2 @36110 has 8 MA's), (3, 36041), (4, 36029), (5, 36005), (6, 35990),

Gene: Gorge_49 Start: 35335, Stop: 35195, Start Num: 2
Candidate Starts for Gorge_49:
(Start: 2 @35335 has 8 MA's), (3, 35266), (4, 35254), (5, 35230), (6, 35215),

Gene: James_48 Start: 35292, Stop: 35152, Start Num: 2
Candidate Starts for James_48:
(Start: 2 @35292 has 8 MA's), (3, 35223), (4, 35211), (5, 35187), (6, 35172),

Gene: Mattes_48 Start: 35292, Stop: 35152, Start Num: 2
Candidate Starts for Mattes_48:
(Start: 2 @35292 has 8 MA's), (3, 35223), (4, 35211), (5, 35187), (6, 35172),

Gene: Philus_48 Start: 35177, Stop: 35037, Start Num: 2
Candidate Starts for Philus_48:
(Start: 2 @35177 has 8 MA's), (3, 35108), (4, 35096), (5, 35072), (6, 35057),

Gene: Quico_53 Start: 35596, Stop: 35456, Start Num: 2
Candidate Starts for Quico_53:
(Start: 2 @35596 has 8 MA's), (3, 35527), (4, 35515), (5, 35491), (6, 35476),

Gene: SwagPigglett_50 Start: 36210, Stop: 36070, Start Num: 2
Candidate Starts for SwagPigglett_50:
(Start: 2 @36210 has 8 MA's), (3, 36141), (4, 36129), (5, 36105), (6, 36090),