

Pham 5340



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 5340 Report

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

Pham number 5340 has 16 members, 5 are drafts.

Phages represented in each track:

- Track 1 : DonTron_9, Sting_10, Soos_9
- Track 2 : Pons_34
- Track 3 : SummitAcademy_32, BigChungus_32, Feastonyeet_32
- Track 4 : MAnor_33
- Track 5 : Tolls_32
- Track 6 : Yarn_29
- Track 7 : Mayweather_36
- Track 8 : AndPeggy_29
- Track 9 : SteamedHams_32
- Track 10 : PotPie_34
- Track 11 : Cardigan_200
- Track 12 : Yvonnetastic_193

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

Genes that call this "Most Annotated" start:

- BigChungus_32, DonTron_9, Feastonyeet_32, MAnor_33, Soos_9, Sting_10, SummitAcademy_32, Tolls_32,

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

- AndPeggy_29, Mayweather_36, Pons_34, SteamedHams_32, Yarn_29,

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

- Cardigan_200, PotPie_34, Yvonnetastic_193,

Summary by start number:

Start 1:

- Found in 8 of 16 (50.0%) of genes in pham
- Manual Annotations of this start: 5 of 11
- Called 62.5% of time when present

- Phage (with cluster) where this start called: AndPeggy_29 (CT), Mayweather_36 (CT), Pons_34 (CT), SteamedHams_32 (CT), Yarn_29 (CT),

Start 2:

- Found in 13 of 16 (81.2%) of genes in pham
- Manual Annotations of this start: 5 of 11
- Called 61.5% of time when present
- Phage (with cluster) where this start called: BigChungus_32 (CT), DonTron_9 (CP), Feastonyet_32 (CT), MAnor_33 (CT), Soos_9 (CP), Sting_10 (CP), SummitAcademy_32 (CT), Tolls_32 (CT),

Start 3:

- Found in 1 of 16 (6.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PotPie_34 (CT),

Start 4:

- Found in 2 of 16 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_200 (DD), Yvonnetastic_193 (DD),

Summary by clusters:

There are 3 clusters represented in this pham: DD, CP, CT,

Info for manual annotations of cluster CP:

- Start number 2 was manually annotated 1 time for cluster CP.

Info for manual annotations of cluster CT:

- Start number 1 was manually annotated 5 times for cluster CT.
- Start number 2 was manually annotated 4 times for cluster CT.

Info for manual annotations of cluster DD:

- Start number 4 was manually annotated 1 time for cluster DD.

Gene Information:

Gene: AndPeggy_29 Start: 23898, Stop: 23557, Start Num: 1

Candidate Starts for AndPeggy_29:

(Start: 1 @23898 has 5 MA's), (Start: 2 @23859 has 5 MA's), (12, 23637),

Gene: BigChungus_32 Start: 25557, Stop: 25255, Start Num: 2

Candidate Starts for BigChungus_32:

(Start: 2 @25557 has 5 MA's), (10, 25347), (11, 25341), (12, 25335),

Gene: Cardigan_200 Start: 95867, Stop: 95577, Start Num: 4

Candidate Starts for Cardigan_200:

(Start: 4 @95867 has 1 MA's), (9, 95678), (12, 95657), (13, 95645),

Gene: DonTron_9 Start: 5171, Stop: 5509, Start Num: 2

Candidate Starts for DonTron_9:

(Start: 2 @5171 has 5 MA's), (6, 5288), (7, 5294), (12, 5429), (15, 5474),

Gene: Feastonyeet_32 Start: 25557, Stop: 25255, Start Num: 2

Candidate Starts for Feastonyeet_32:

(Start: 2 @25557 has 5 MA's), (10, 25347), (11, 25341), (12, 25335),

Gene: MAnor_33 Start: 25740, Stop: 25438, Start Num: 2

Candidate Starts for MAnor_33:

(Start: 1 @25776 has 5 MA's), (Start: 2 @25740 has 5 MA's), (8, 25623), (10, 25530), (11, 25524), (12, 25518), (14, 25497),

Gene: Mayweather_36 Start: 26600, Stop: 26259, Start Num: 1

Candidate Starts for Mayweather_36:

(Start: 1 @26600 has 5 MA's), (Start: 2 @26561 has 5 MA's), (10, 26351), (11, 26345), (12, 26339),

Gene: Pons_34 Start: 25922, Stop: 25584, Start Num: 1

Candidate Starts for Pons_34:

(Start: 1 @25922 has 5 MA's), (Start: 2 @25886 has 5 MA's), (10, 25676), (11, 25670), (12, 25664), (14, 25643),

Gene: PotPie_34 Start: 26878, Stop: 26576, Start Num: 3

Candidate Starts for PotPie_34:

(Start: 1 @26914 has 5 MA's), (3, 26878), (10, 26668), (11, 26662), (12, 26656),

Gene: Soos_9 Start: 5170, Stop: 5508, Start Num: 2

Candidate Starts for Soos_9:

(Start: 2 @5170 has 5 MA's), (6, 5287), (7, 5293), (12, 5428), (15, 5473),

Gene: SteamedHams_32 Start: 24084, Stop: 23746, Start Num: 1

Candidate Starts for SteamedHams_32:

(Start: 1 @24084 has 5 MA's), (Start: 2 @24048 has 5 MA's), (5, 23994), (12, 23826),

Gene: Sting_10 Start: 5582, Stop: 5920, Start Num: 2

Candidate Starts for Sting_10:

(Start: 2 @5582 has 5 MA's), (6, 5699), (7, 5705), (12, 5840), (15, 5885),

Gene: SummitAcademy_32 Start: 25478, Stop: 25176, Start Num: 2

Candidate Starts for SummitAcademy_32:

(Start: 2 @25478 has 5 MA's), (10, 25268), (11, 25262), (12, 25256),

Gene: Tolls_32 Start: 24148, Stop: 23846, Start Num: 2

Candidate Starts for Tolls_32:

(Start: 1 @24187 has 5 MA's), (Start: 2 @24148 has 5 MA's), (12, 23926),

Gene: Yarn_29 Start: 23892, Stop: 23551, Start Num: 1

Candidate Starts for Yarn_29:

(Start: 1 @23892 has 5 MA's), (Start: 2 @23853 has 5 MA's), (12, 23631),

Gene: Yvonnetastic_193 Start: 93686, Stop: 93396, Start Num: 4

Candidate Starts for Yvonnetastic_193:

(Start: 4 @93686 has 1 MA's), (9, 93497), (12, 93476), (13, 93464),