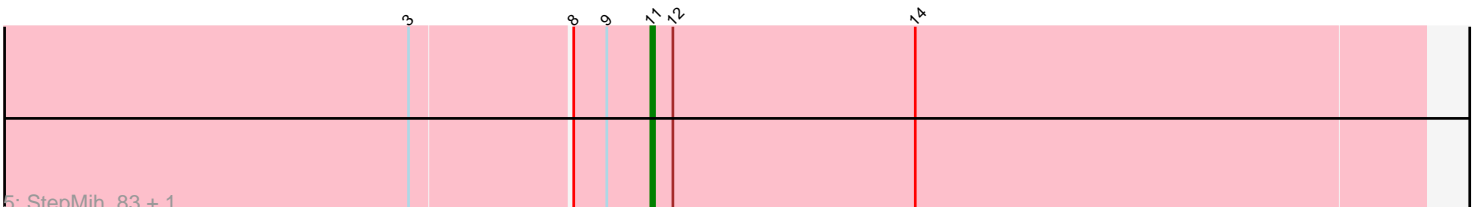
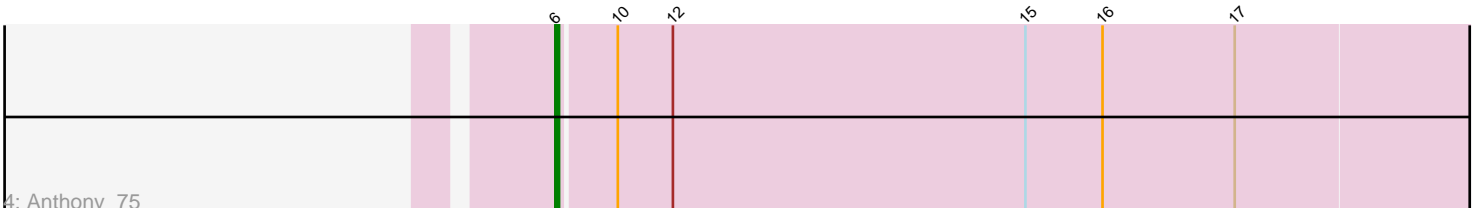
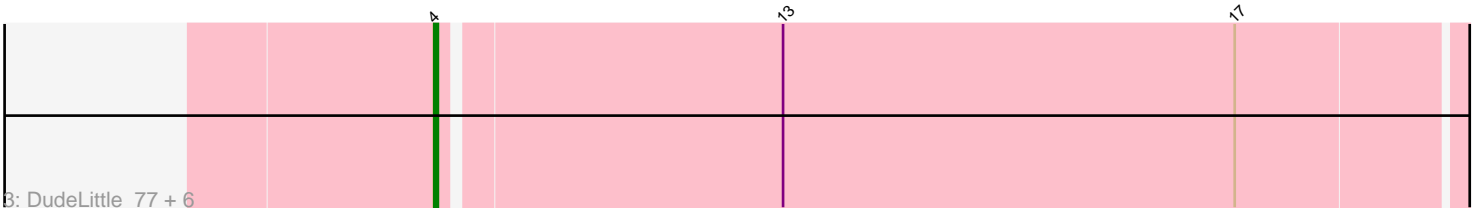
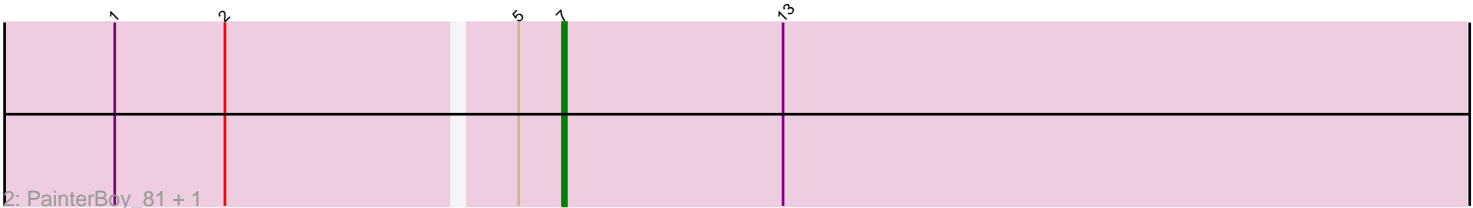
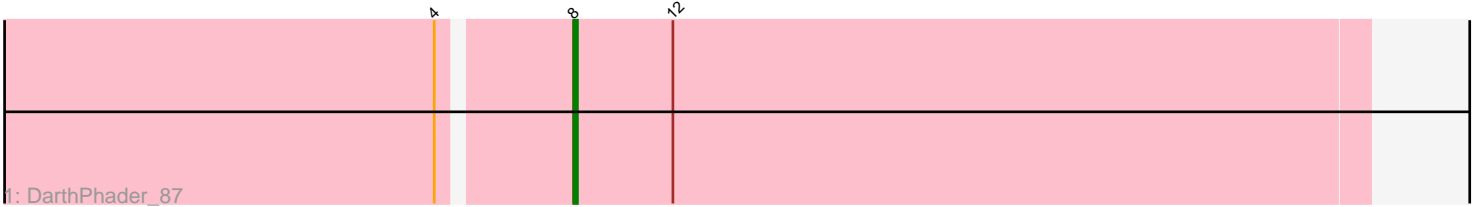


Pham 163953



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 163953 Report

This analysis was run 05/04/24 on database version 560.

Pham number 163953 has 19 members, 0 are drafts.

Phages represented in each track:

- Track 1 : DarthPhader_87
- Track 2 : PainterBoy_81, Lucyedi_81
- Track 3 : DudeLittle_77, Fameo_77, Dalmatian_79, Anselm_80, QueenB2_76, Retro23_79, Heffalump_76
- Track 4 : Anthony_75
- Track 5 : StepMih_83, Soshari_85
- Track 6 : Rifter_81
- Track 7 : Gladiator_77, Gruunaga_80, Hammer_81, Hexamo_80, CloudWang3_81

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

The start number called the most often in the published annotations is 7, it was called in 8 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CloudWang3_81, Gladiator_77, Gruunaga_80, Hammer_81, Hexamo_80, Lucyedi_81, PainterBoy_81, Rifter_81,

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

-

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

- Anselm_80, Anthony_75, Dalmatian_79, DarthPhader_87, DudeLittle_77, Fameo_77, Heffalump_76, QueenB2_76, Retro23_79, Soshari_85, StepMih_83,

Summary by start number:

Start 4:

- Found in 8 of 19 (42.1%) of genes in pham
- Manual Annotations of this start: 7 of 19
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Anselm_80 (A2), Dalmatian_79 (A2), DudeLittle_77 (A2), Fameo_77 (A2), Heffalump_76 (A2), QueenB2_76 (A2), Retro23_79 (A2),

Start 6:

- Found in 1 of 19 (5.3%) of genes in pham
- Manual Annotations of this start: 1 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anthony_75 (A20),

Start 7:

- Found in 8 of 19 (42.1%) of genes in pham
- Manual Annotations of this start: 8 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CloudWang3_81 (A6), Gladiator_77 (A6), Gruunaga_80 (A6), Hammer_81 (A6), Hexamo_80 (A6), Lucyedi_81 (A16), PainterBoy_81 (A16), Rifter_81 (A6),

Start 8:

- Found in 3 of 19 (15.8%) of genes in pham
- Manual Annotations of this start: 1 of 19
- Called 33.3% of time when present
- Phage (with cluster) where this start called: DARTHPhader_87 (A12),

Start 11:

- Found in 2 of 19 (10.5%) of genes in pham
- Manual Annotations of this start: 2 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Soshari_85 (A3), StepMih_83 (A3),

Summary by clusters:

There are 6 clusters represented in this pham: A20, A16, A12, A3, A2, A6,

Info for manual annotations of cluster A12:

- Start number 8 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A16:

- Start number 7 was manually annotated 2 times for cluster A16.

Info for manual annotations of cluster A2:

- Start number 4 was manually annotated 7 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 6 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 11 was manually annotated 2 times for cluster A3.

Info for manual annotations of cluster A6:

- Start number 7 was manually annotated 6 times for cluster A6.

Gene Information:

Gene: Anselm_80 Start: 46936, Stop: 46634, Start Num: 4

Candidate Starts for Anselm_80:

(Start: 4 @46936 has 7 MA's), (13, 46846), (17, 46723),

Gene: Anthony_75 Start: 45522, Stop: 45256, Start Num: 6

Candidate Starts for Anthony_75:

(Start: 6 @45522 has 1 MA's), (10, 45507), (12, 45492), (15, 45396), (16, 45375), (17, 45339),

Gene: CloudWang3_81 Start: 45345, Stop: 45124, Start Num: 7

Candidate Starts for CloudWang3_81:

(Start: 7 @45345 has 8 MA's), (9, 45333), (18, 45129),

Gene: Dalmatian_79 Start: 46667, Stop: 46365, Start Num: 4

Candidate Starts for Dalmatian_79:

(Start: 4 @46667 has 7 MA's), (13, 46577), (17, 46454),

Gene: DarthPhader_87 Start: 50218, Stop: 50003, Start Num: 8

Candidate Starts for DarthPhader_87:

(Start: 4 @50251 has 7 MA's), (Start: 8 @50218 has 1 MA's), (12, 50191),

Gene: DudeLittle_77 Start: 46433, Stop: 46131, Start Num: 4

Candidate Starts for DudeLittle_77:

(Start: 4 @46433 has 7 MA's), (13, 46343), (17, 46220),

Gene: Fameo_77 Start: 46475, Stop: 46173, Start Num: 4

Candidate Starts for Fameo_77:

(Start: 4 @46475 has 7 MA's), (13, 46385), (17, 46262),

Gene: Gladiator_77 Start: 45001, Stop: 44780, Start Num: 7

Candidate Starts for Gladiator_77:

(Start: 7 @45001 has 8 MA's), (9, 44989), (18, 44785),

Gene: Gruunaga_80 Start: 44956, Stop: 44735, Start Num: 7

Candidate Starts for Gruunaga_80:

(Start: 7 @44956 has 8 MA's), (9, 44944), (18, 44740),

Gene: Hammer_81 Start: 44663, Stop: 44442, Start Num: 7

Candidate Starts for Hammer_81:

(Start: 7 @44663 has 8 MA's), (9, 44651), (18, 44447),

Gene: Heffalump_76 Start: 46943, Stop: 46641, Start Num: 4

Candidate Starts for Heffalump_76:

(Start: 4 @46943 has 7 MA's), (13, 46853), (17, 46730),

Gene: Hexamo_80 Start: 44831, Stop: 44610, Start Num: 7

Candidate Starts for Hexamo_80:

(Start: 7 @44831 has 8 MA's), (9, 44819), (18, 44615),

Gene: Lucyedi_81 Start: 46771, Stop: 46526, Start Num: 7

Candidate Starts for Lucyedi_81:

(1, 46888), (2, 46858), (5, 46783), (Start: 7 @46771 has 8 MA's), (13, 46711),

Gene: PainterBoy_81 Start: 46481, Stop: 46236, Start Num: 7

Candidate Starts for PainterBoy_81:

(1, 46598), (2, 46568), (5, 46493), (Start: 7 @46481 has 8 MA's), (13, 46421),

Gene: QueenB2_76 Start: 46156, Stop: 45854, Start Num: 4

Candidate Starts for QueenB2_76:

(Start: 4 @46156 has 7 MA's), (13, 46066), (17, 45943),

Gene: Retro23_79 Start: 46560, Stop: 46258, Start Num: 4

Candidate Starts for Retro23_79:

(Start: 4 @46560 has 7 MA's), (13, 46470), (17, 46347),

Gene: Rifter_81 Start: 44458, Stop: 44243, Start Num: 7

Candidate Starts for Rifter_81:

(Start: 7 @44458 has 8 MA's), (9, 44446),

Gene: Soshari_85 Start: 46274, Stop: 46065, Start Num: 11

Candidate Starts for Soshari_85:

(3, 46337), (Start: 8 @46295 has 1 MA's), (9, 46286), (Start: 11 @46274 has 2 MA's), (12, 46268), (14, 46202),

Gene: StepMih_83 Start: 46244, Stop: 46035, Start Num: 11

Candidate Starts for StepMih_83:

(3, 46307), (Start: 8 @46265 has 1 MA's), (9, 46256), (Start: 11 @46244 has 2 MA's), (12, 46238), (14, 46172),