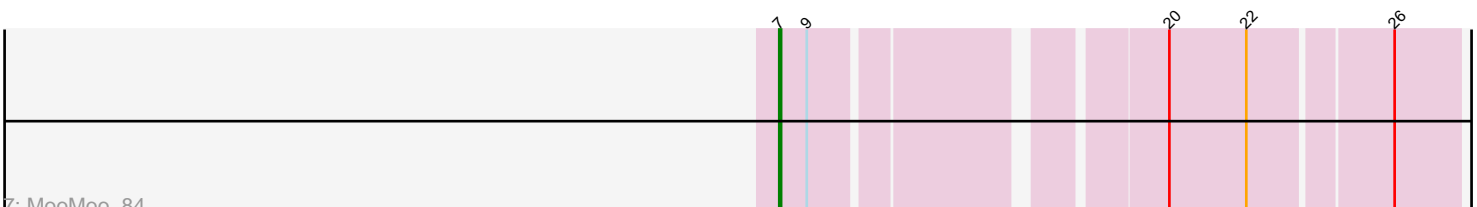
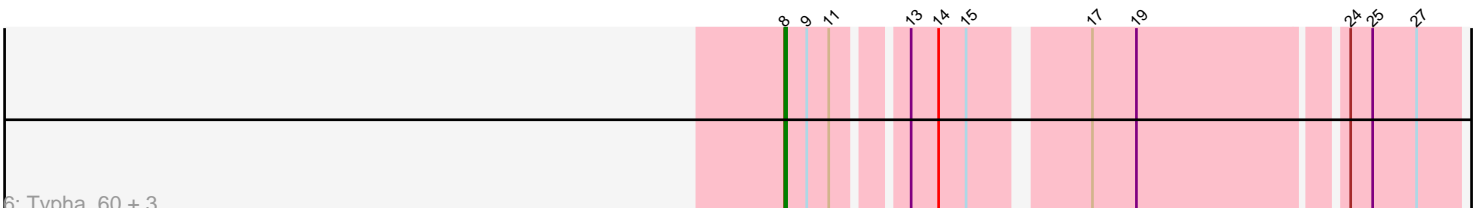
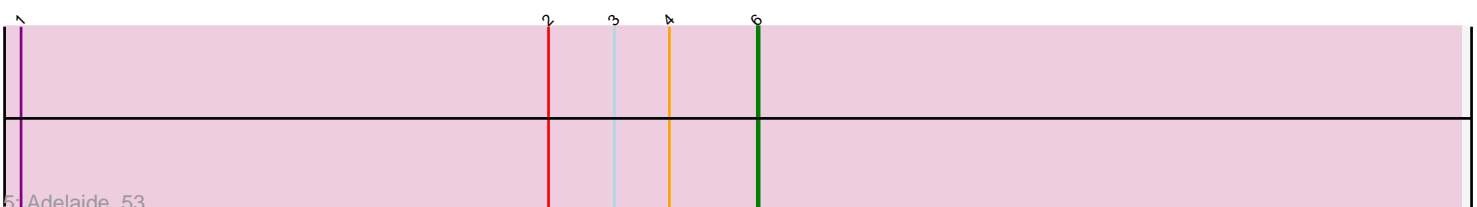
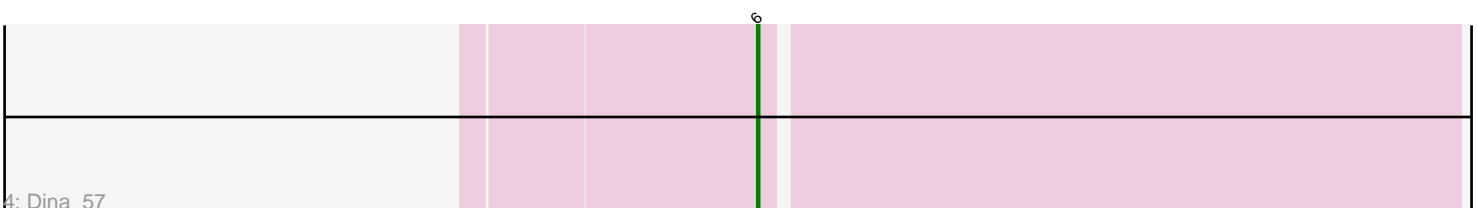
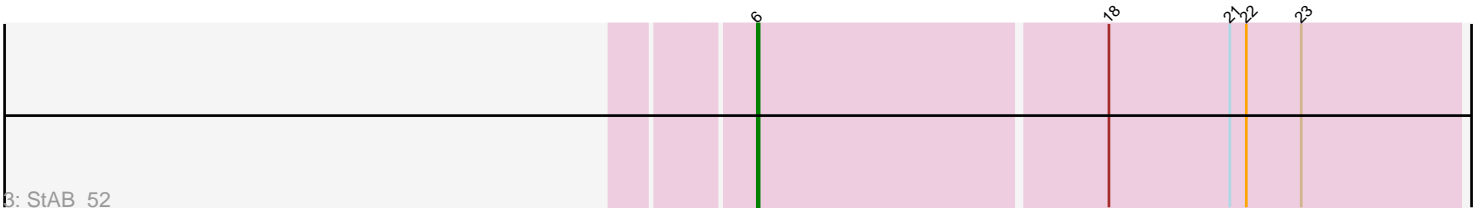
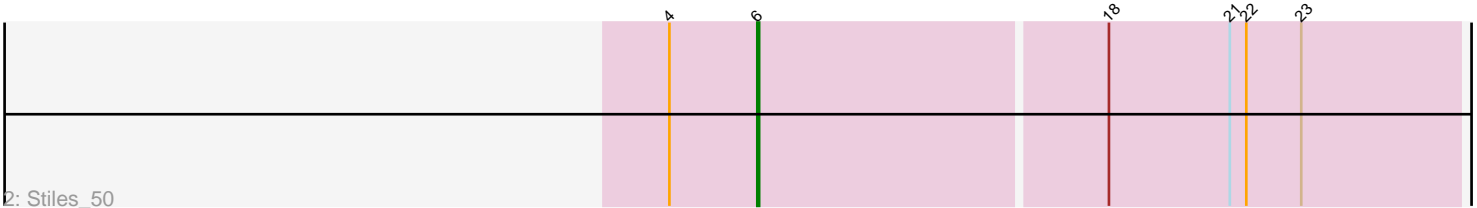
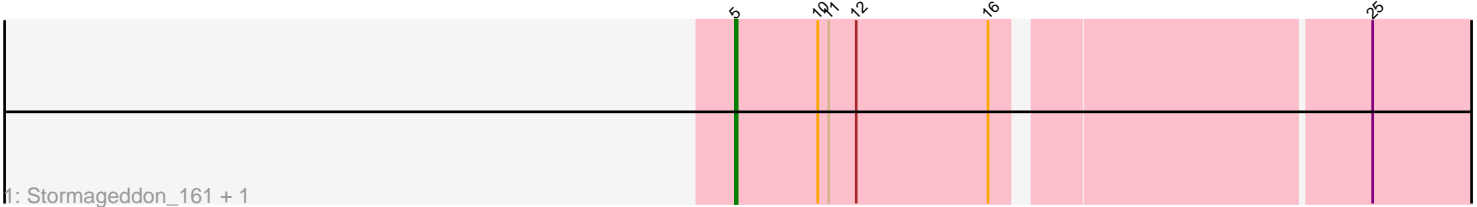


Pham 281081



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 281081 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281081 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Stormageddon_161, RedWattleHog_160
- Track 2 : Stiles_50
- Track 3 : StAB_52
- Track 4 : Dina_57
- Track 5 : Adelaide_53
- Track 6 : Typha_60, AuntGwenStacy_61, Faiyaz_61, Hilltopfarm_60
- Track 7 : MooMoo_84

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

The start number called the most often in the published annotations is 6, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adelaide_53, Dina_57, StAB_52, Stiles_50,

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

-

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

- AuntGwenStacy_61, Faiyaz_61, Hilltopfarm_60, MooMoo_84, RedWattleHog_160, Stormageddon_161, Typha_60,

Summary by start number:

Start 5:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RedWattleHog_160 (DX), Stormageddon_161 (DX),

Start 6:

- Found in 4 of 11 (36.4%) of genes in pham

- Manual Annotations of this start: 4 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adelaide_53 (EP), Dina_57 (EP), StAB_52 (EP), Stiles_50 (EP),

Start 7:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MooMoo_84 (singleton),

Start 8:

- Found in 4 of 11 (36.4%) of genes in pham
- Manual Annotations of this start: 3 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_61 (Y), Faiyaz_61 (Y), Hilltopfarm_60 (Y), Typha_60 (Y),

Summary by clusters:

There are 4 clusters represented in this pham: Y, singleton, EP, DX,

Info for manual annotations of cluster DX:

- Start number 5 was manually annotated 2 times for cluster DX.

Info for manual annotations of cluster EP:

- Start number 6 was manually annotated 4 times for cluster EP.

Info for manual annotations of cluster Y:

- Start number 8 was manually annotated 3 times for cluster Y.

Gene Information:

Gene: Adelaide_53 Start: 41100, Stop: 41483, Start Num: 6

Candidate Starts for Adelaide_53:

(1, 40698), (2, 40986), (3, 41022), (4, 41052), (Start: 6 @41100 has 4 MA's),

Gene: AuntGwenStacy_61 Start: 44340, Stop: 44672, Start Num: 8

Candidate Starts for AuntGwenStacy_61:

(Start: 8 @44340 has 3 MA's), (9, 44352), (11, 44364), (13, 44397), (14, 44412), (15, 44427), (17, 44484), (19, 44508), (24, 44613), (25, 44625), (27, 44649),

Gene: Dina_57 Start: 40543, Stop: 40917, Start Num: 6

Candidate Starts for Dina_57:

(Start: 6 @40543 has 4 MA's),

Gene: Faiyaz_61 Start: 44330, Stop: 44662, Start Num: 8

Candidate Starts for Faiyaz_61:

(Start: 8 @44330 has 3 MA's), (9, 44342), (11, 44354), (13, 44387), (14, 44402), (15, 44417), (17, 44474), (19, 44498), (24, 44603), (25, 44615), (27, 44639),

Gene: Hilltopfarm_60 Start: 44032, Stop: 44364, Start Num: 8

Candidate Starts for Hilltopfarm_60:

(Start: 8 @44032 has 3 MA's), (9, 44044), (11, 44056), (13, 44089), (14, 44104), (15, 44119), (17, 44176), (19, 44200), (24, 44305), (25, 44317), (27, 44341),

Gene: MooMoo_84 Start: 49010, Stop: 49342, Start Num: 7

Candidate Starts for MooMoo_84:

(Start: 7 @49010 has 1 MA's), (9, 49025), (20, 49193), (22, 49235), (26, 49307),

Gene: RedWattleHog_160 Start: 106582, Stop: 106965, Start Num: 5

Candidate Starts for RedWattleHog_160:

(Start: 5 @106582 has 2 MA's), (10, 106627), (11, 106633), (12, 106648), (16, 106720), (25, 106909),

Gene: StAB_52 Start: 41624, Stop: 42001, Start Num: 6

Candidate Starts for StAB_52:

(Start: 6 @41624 has 4 MA's), (18, 41810), (21, 41876), (22, 41885), (23, 41915),

Gene: Stiles_50 Start: 40247, Stop: 40624, Start Num: 6

Candidate Starts for Stiles_50:

(4, 40199), (Start: 6 @40247 has 4 MA's), (18, 40433), (21, 40499), (22, 40508), (23, 40538),

Gene: Stormageddon_161 Start: 107546, Stop: 107929, Start Num: 5

Candidate Starts for Stormageddon_161:

(Start: 5 @107546 has 2 MA's), (10, 107591), (11, 107597), (12, 107612), (16, 107684), (25, 107873),

Gene: Typha_60 Start: 44340, Stop: 44672, Start Num: 8

Candidate Starts for Typha_60:

(Start: 8 @44340 has 3 MA's), (9, 44352), (11, 44364), (13, 44397), (14, 44412), (15, 44427), (17, 44484), (19, 44508), (24, 44613), (25, 44625), (27, 44649),