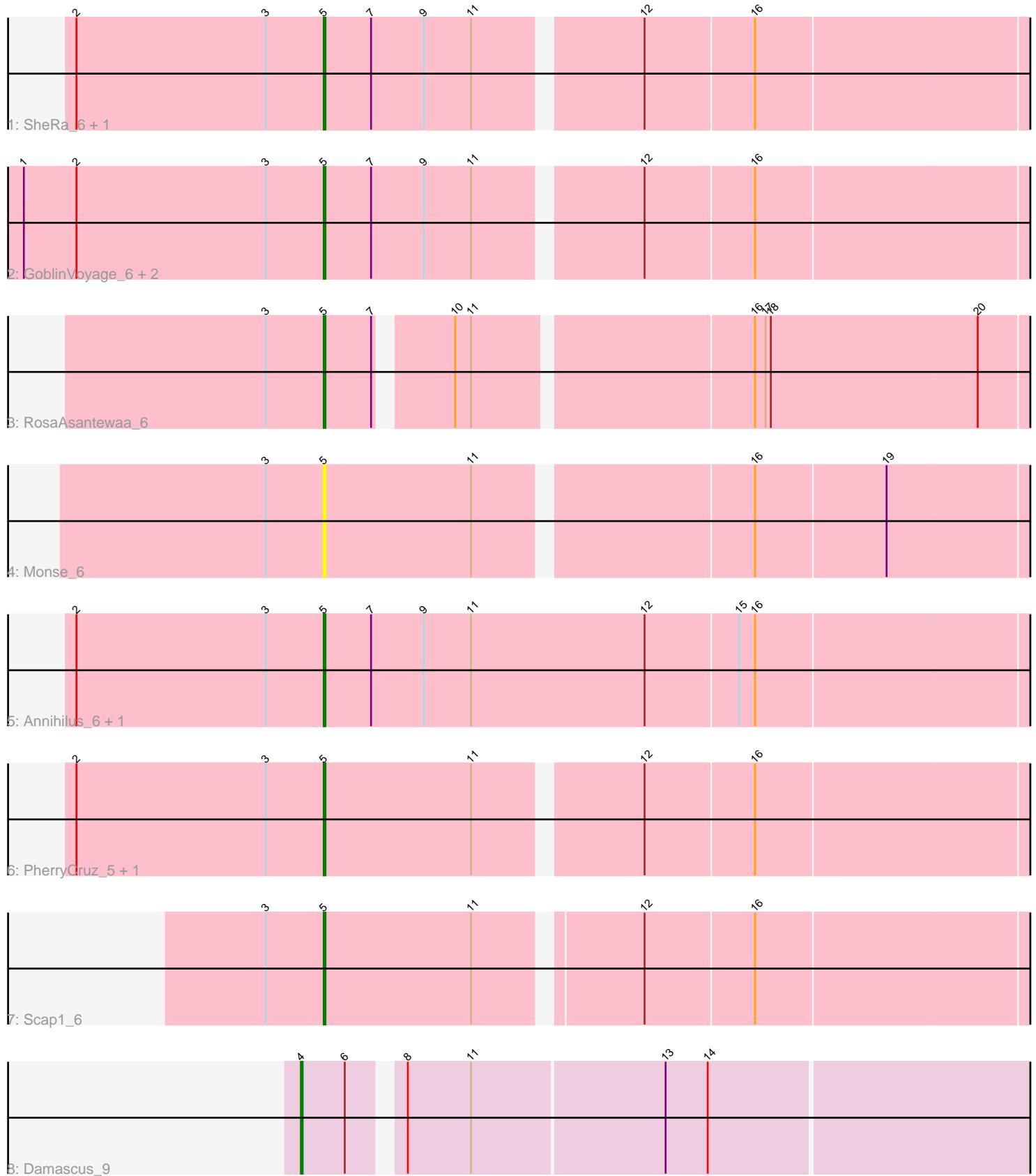


Pham 278760



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 278760 Report

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

Pham number 278760 has 13 members, 2 are drafts.

Phages represented in each track:

- Track 1 : SheRa_6, HotFries_5
- Track 2 : GoblinVoyage_6, Sangak_6, Doxi13_6
- Track 3 : RosaAsantewaa_6
- Track 4 : Monse_6
- Track 5 : Annihilus_6, Moozy_6
- Track 6 : PherryCruz_5, RavenPuff_5
- Track 7 : Scap1_6
- Track 8 : Damascus_9

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

The start number called the most often in the published annotations is 5, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annihilus_6, Doxi13_6, GoblinVoyage_6, HotFries_5, Monse_6, Moozy_6, PherryCruz_5, RavenPuff_5, RosaAsantewaa_6, Sangak_6, Scap1_6, SheRa_6,

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

-

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

- Damascus_9,

Summary by start number:

Start 4:

- Found in 1 of 13 (7.7%) 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: Damascus_9 (EL),

Start 5:

- Found in 12 of 13 (92.3%) of genes in pham

- Manual Annotations of this start: 10 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annihilus_6 (BI2), Doxi13_6 (BI2), GoblinVoyage_6 (BI2), HotFries_5 (BI2), Monse_6 (BI2), Moozy_6 (BI2), PherryCruz_5 (BI2), RavenPuff_5 (BI2), RosaAsantewaa_6 (BI2), Sangak_6 (BI2), Scap1_6 (BI2), SheRa_6 (BI2),

Summary by clusters:

There are 2 clusters represented in this pham: EL, BI2,

Info for manual annotations of cluster BI2:

- Start number 5 was manually annotated 10 times for cluster BI2.

Info for manual annotations of cluster EL:

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

Gene Information:

Gene: Annihilus_6 Start: 2251, Stop: 2646, Start Num: 5

Candidate Starts for Annihilus_6:

(2, 2110), (3, 2218), (Start: 5 @2251 has 10 MA's), (7, 2278), (9, 2308), (11, 2335), (12, 2434), (15, 2485), (16, 2494),

Gene: Damascus_9 Start: 3418, Stop: 3831, Start Num: 4

Candidate Starts for Damascus_9:

(Start: 4 @3418 has 1 MA's), (6, 3442), (8, 3466), (11, 3502), (13, 3610), (14, 3634),

Gene: Doxi13_6 Start: 2252, Stop: 2635, Start Num: 5

Candidate Starts for Doxi13_6:

(1, 2081), (2, 2111), (3, 2219), (Start: 5 @2252 has 10 MA's), (7, 2279), (9, 2309), (11, 2336), (12, 2423), (16, 2483),

Gene: GoblinVoyage_6 Start: 2252, Stop: 2635, Start Num: 5

Candidate Starts for GoblinVoyage_6:

(1, 2081), (2, 2111), (3, 2219), (Start: 5 @2252 has 10 MA's), (7, 2279), (9, 2309), (11, 2336), (12, 2423), (16, 2483),

Gene: HotFries_5 Start: 2251, Stop: 2634, Start Num: 5

Candidate Starts for HotFries_5:

(2, 2110), (3, 2218), (Start: 5 @2251 has 10 MA's), (7, 2278), (9, 2308), (11, 2335), (12, 2422), (16, 2482),

Gene: Monse_6 Start: 2308, Stop: 2691, Start Num: 5

Candidate Starts for Monse_6:

(3, 2275), (Start: 5 @2308 has 10 MA's), (11, 2392), (16, 2539), (19, 2611),

Gene: Moozy_6 Start: 2253, Stop: 2648, Start Num: 5

Candidate Starts for Moozy_6:

(2, 2112), (3, 2220), (Start: 5 @2253 has 10 MA's), (7, 2280), (9, 2310), (11, 2337), (12, 2436), (15, 2487), (16, 2496),

Gene: PherryCruz_5 Start: 2251, Stop: 2634, Start Num: 5

Candidate Starts for PherryCruz_5:

(2, 2110), (3, 2218), (Start: 5 @2251 has 10 MA's), (11, 2335), (12, 2422), (16, 2482),

Gene: RavenPuff_5 Start: 2251, Stop: 2634, Start Num: 5

Candidate Starts for RavenPuff_5:

(2, 2110), (3, 2218), (Start: 5 @2251 has 10 MA's), (11, 2335), (12, 2422), (16, 2482),

Gene: RosaAsantewaa_6 Start: 2224, Stop: 2601, Start Num: 5

Candidate Starts for RosaAsantewaa_6:

(3, 2191), (Start: 5 @2224 has 10 MA's), (7, 2251), (10, 2287), (11, 2296), (16, 2446), (17, 2452), (18, 2455), (20, 2572),

Gene: Sangak_6 Start: 2253, Stop: 2636, Start Num: 5

Candidate Starts for Sangak_6:

(1, 2082), (2, 2112), (3, 2220), (Start: 5 @2253 has 10 MA's), (7, 2280), (9, 2310), (11, 2337), (12, 2424), (16, 2484),

Gene: Scap1_6 Start: 2256, Stop: 2636, Start Num: 5

Candidate Starts for Scap1_6:

(3, 2223), (Start: 5 @2256 has 10 MA's), (11, 2340), (12, 2424), (16, 2484),

Gene: SheRa_6 Start: 2251, Stop: 2634, Start Num: 5

Candidate Starts for SheRa_6:

(2, 2110), (3, 2218), (Start: 5 @2251 has 10 MA's), (7, 2278), (9, 2308), (11, 2335), (12, 2422), (16, 2482),