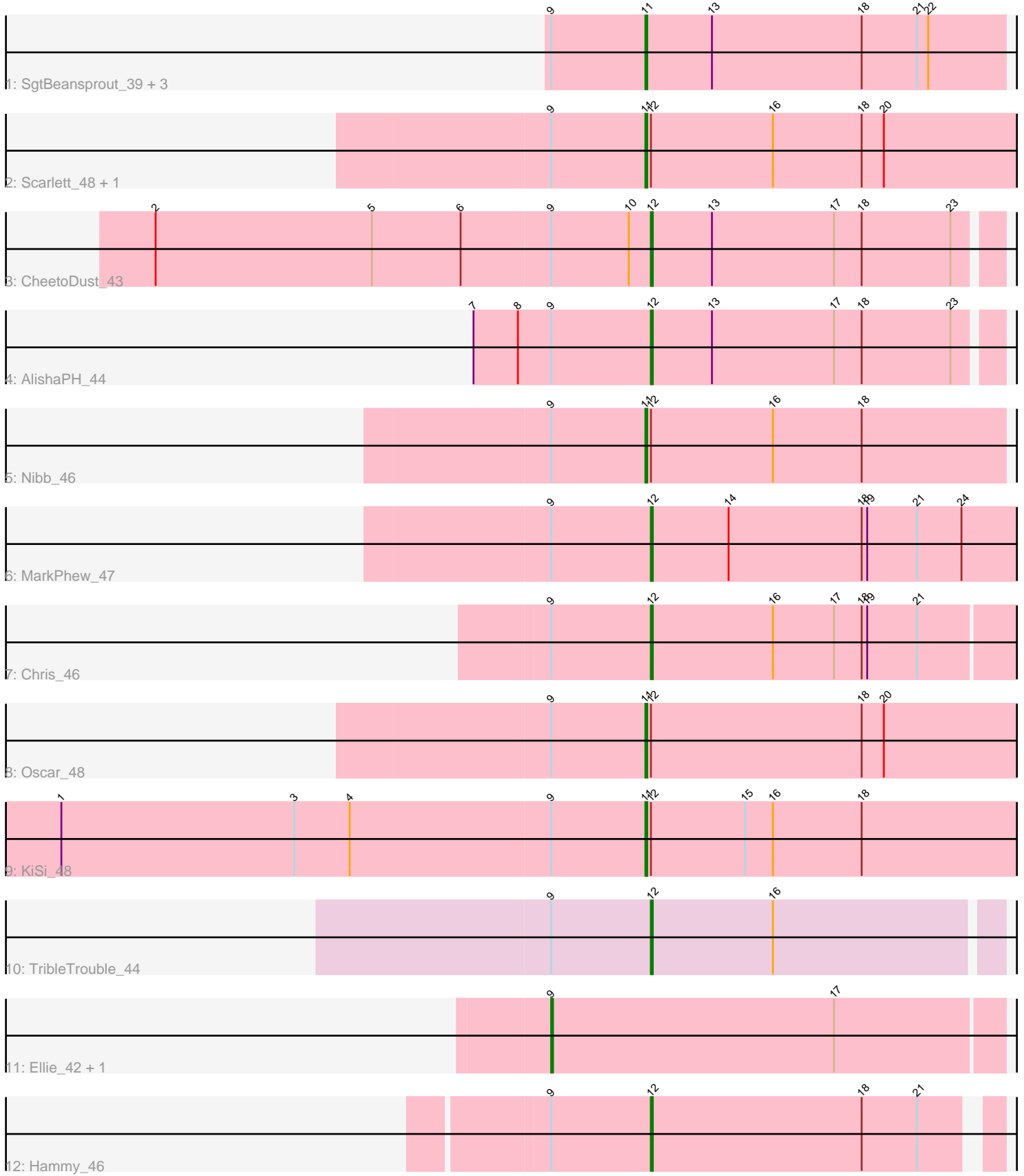


Pham 203376



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 203376 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203376 has 17 members, 1 are drafts.

Phages represented in each track:

- Track 1 : SgtBeansprout_39, Enkosi_42, Nikao_42, Torres_42
- Track 2 : Scarlett_48, LeMond_48
- Track 3 : CheetoDust_43
- Track 4 : AlishaPH_44
- Track 5 : Nibb_46
- Track 6 : MarkPhew_47
- Track 7 : Chris_46
- Track 8 : Oscar_48
- Track 9 : KiSi_48
- Track 10 : TribbleTrouble_44
- Track 11 : Ellie_42, Fefferhead_44
- Track 12 : Hammy_46

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

The start number called the most often in the published annotations is 11, it was called in 8 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Enkosi_42, KiSi_48, LeMond_48, Nibb_46, Nikao_42, Oscar_48, Scarlett_48, SgtBeansprout_39, Torres_42,

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

-

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

- AlishaPH_44, CheetoDust_43, Chris_46, Ellie_42, Fefferhead_44, Hammy_46, MarkPhew_47, TribbleTrouble_44,

Summary by start number:

Start 9:

- Found in 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 16

- Called 11.8% of time when present
- Phage (with cluster) where this start called: Ellie_42 (K6), Fefferhead_44 (K6),

Start 11:

- Found in 9 of 17 (52.9%) of genes in pham
- Manual Annotations of this start: 8 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Enkosi_42 (K1), KiSi_48 (K1), LeMond_48 (K1), Nibb_46 (K1), Nikao_42 (K1), Oscar_48 (K1), Scarlett_48 (K1), SgtBeansprout_39 (K1), Torres_42 (K1),

Start 12:

- Found in 11 of 17 (64.7%) of genes in pham
- Manual Annotations of this start: 6 of 16
- Called 54.5% of time when present
- Phage (with cluster) where this start called: AlishaPH_44 (K1), CheetoDust_43 (K1), Chris_46 (K1), Hammy_46 (K6), MarkPhew_47 (K1), TribbleTrouble_44 (K3),

Summary by clusters:

There are 3 clusters represented in this pham: K3, K1, K6,

Info for manual annotations of cluster K1:

- Start number 11 was manually annotated 8 times for cluster K1.
- Start number 12 was manually annotated 4 times for cluster K1.

Info for manual annotations of cluster K3:

- Start number 12 was manually annotated 1 time for cluster K3.

Info for manual annotations of cluster K6:

- Start number 9 was manually annotated 2 times for cluster K6.
- Start number 12 was manually annotated 1 time for cluster K6.

Gene Information:

Gene: AlishaPH_44 Start: 35486, Stop: 35671, Start Num: 12

Candidate Starts for AlishaPH_44:

(7, 35390), (8, 35414), (Start: 9 @35432 has 2 MA's), (Start: 12 @35486 has 6 MA's), (13, 35519), (17, 35585), (18, 35600), (23, 35648),

Gene: CheetoDust_43 Start: 34700, Stop: 34885, Start Num: 12

Candidate Starts for CheetoDust_43:

(2, 34433), (5, 34550), (6, 34598), (Start: 9 @34646 has 2 MA's), (10, 34688), (Start: 12 @34700 has 6 MA's), (13, 34733), (17, 34799), (18, 34814), (23, 34862),

Gene: Chris_46 Start: 35995, Stop: 36195, Start Num: 12

Candidate Starts for Chris_46:

(Start: 9 @35941 has 2 MA's), (Start: 12 @35995 has 6 MA's), (16, 36061), (17, 36094), (18, 36109), (19, 36112), (21, 36139),

Gene: Ellie_42 Start: 35424, Stop: 35666, Start Num: 9

Candidate Starts for Ellie_42:
(Start: 9 @35424 has 2 MA's), (17, 35577),

Gene: Enkosi_42 Start: 37403, Stop: 37597, Start Num: 11
Candidate Starts for Enkosi_42:
(Start: 9 @37352 has 2 MA's), (Start: 11 @37403 has 8 MA's), (13, 37439), (18, 37520), (21, 37550),
(22, 37556),

Gene: Fefferhead_44 Start: 35375, Stop: 35617, Start Num: 9
Candidate Starts for Fefferhead_44:
(Start: 9 @35375 has 2 MA's), (17, 35528),

Gene: Hammy_46 Start: 36187, Stop: 36366, Start Num: 12
Candidate Starts for Hammy_46:
(Start: 9 @36133 has 2 MA's), (Start: 12 @36187 has 6 MA's), (18, 36301), (21, 36331),

Gene: KiSi_48 Start: 36394, Stop: 36600, Start Num: 11
Candidate Starts for KiSi_48:
(1, 36079), (3, 36205), (4, 36235), (Start: 9 @36343 has 2 MA's), (Start: 11 @36394 has 8 MA's),
(Start: 12 @36397 has 6 MA's), (15, 36448), (16, 36463), (18, 36511),

Gene: LeMond_48 Start: 36378, Stop: 36584, Start Num: 11
Candidate Starts for LeMond_48:
(Start: 9 @36327 has 2 MA's), (Start: 11 @36378 has 8 MA's), (Start: 12 @36381 has 6 MA's), (16,
36447), (18, 36495), (20, 36507),

Gene: MarkPhew_47 Start: 35823, Stop: 36026, Start Num: 12
Candidate Starts for MarkPhew_47:
(Start: 9 @35769 has 2 MA's), (Start: 12 @35823 has 6 MA's), (14, 35865), (18, 35937), (19, 35940),
(21, 35967), (24, 35991),

Gene: Nibb_46 Start: 35544, Stop: 35738, Start Num: 11
Candidate Starts for Nibb_46:
(Start: 9 @35493 has 2 MA's), (Start: 11 @35544 has 8 MA's), (Start: 12 @35547 has 6 MA's), (16,
35613), (18, 35661),

Gene: Nikao_42 Start: 37403, Stop: 37597, Start Num: 11
Candidate Starts for Nikao_42:
(Start: 9 @37352 has 2 MA's), (Start: 11 @37403 has 8 MA's), (13, 37439), (18, 37520), (21, 37550),
(22, 37556),

Gene: Oscar_48 Start: 36280, Stop: 36486, Start Num: 11
Candidate Starts for Oscar_48:
(Start: 9 @36229 has 2 MA's), (Start: 11 @36280 has 8 MA's), (Start: 12 @36283 has 6 MA's), (18,
36397), (20, 36409),

Gene: Scarlett_48 Start: 36272, Stop: 36478, Start Num: 11
Candidate Starts for Scarlett_48:
(Start: 9 @36221 has 2 MA's), (Start: 11 @36272 has 8 MA's), (Start: 12 @36275 has 6 MA's), (16,
36341), (18, 36389), (20, 36401),

Gene: SgtBeansprout_39 Start: 34790, Stop: 34984, Start Num: 11
Candidate Starts for SgtBeansprout_39:

(Start: 9 @34739 has 2 MA's), (Start: 11 @34790 has 8 MA's), (13, 34826), (18, 34907), (21, 34937), (22, 34943),

Gene: Torres_42 Start: 37404, Stop: 37598, Start Num: 11

Candidate Starts for Torres_42:

(Start: 9 @37353 has 2 MA's), (Start: 11 @37404 has 8 MA's), (13, 37440), (18, 37521), (21, 37551), (22, 37557),

Gene: TribelTrouble_44 Start: 35315, Stop: 35500, Start Num: 12

Candidate Starts for TribelTrouble_44:

(Start: 9 @35261 has 2 MA's), (Start: 12 @35315 has 6 MA's), (16, 35381),