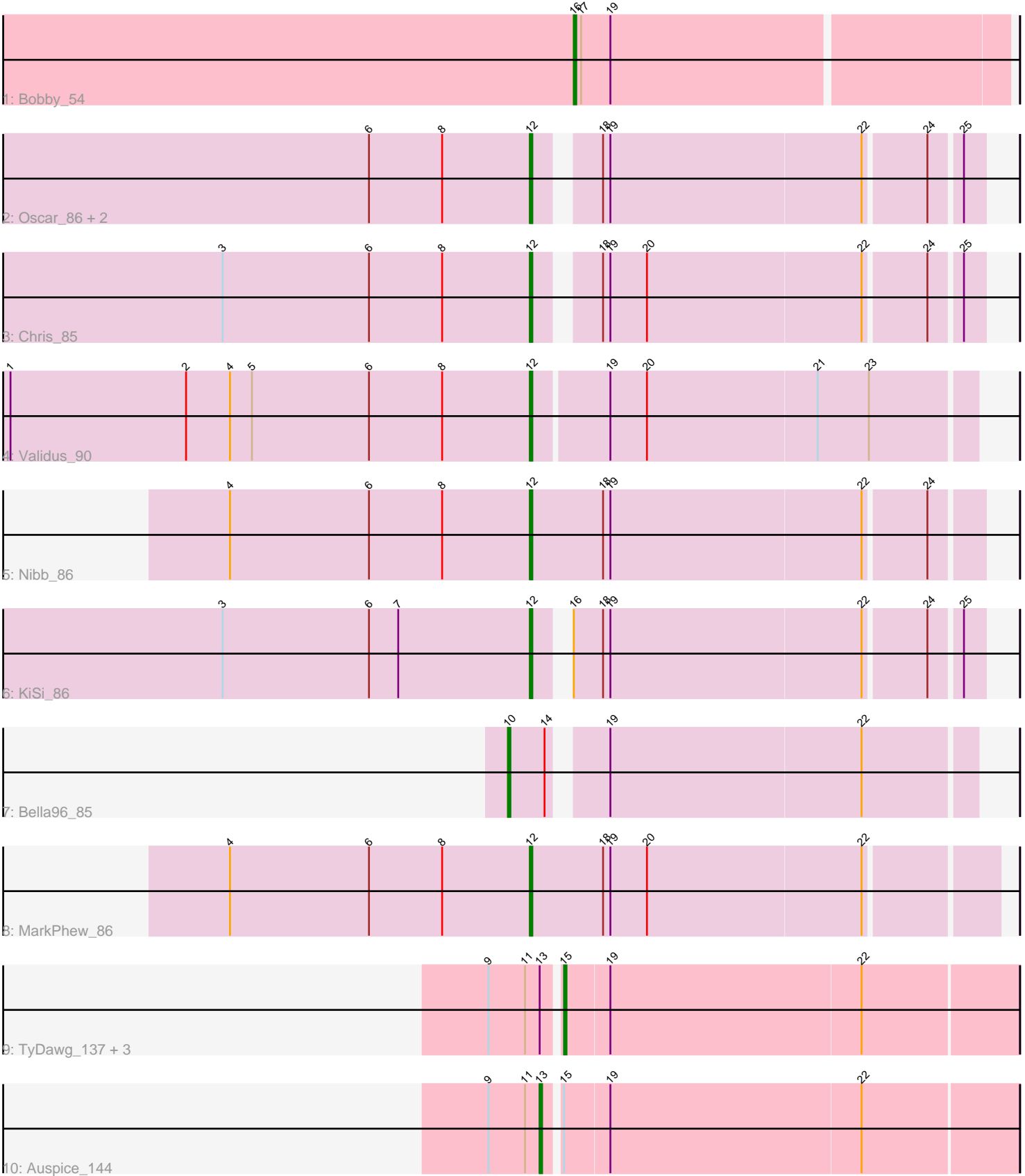


Pham 86988



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 86988 Report

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

Pham number 86988 has 15 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Bobby_54
- Track 2 : Oscar_86, LeMond_85, Scarlett_85
- Track 3 : Chris_85
- Track 4 : Validus_90
- Track 5 : Nibb_86
- Track 6 : KiSi_86
- Track 7 : Bella96_85
- Track 8 : MarkPhew_86
- Track 9 : TyDawg_137, Bricole_145, SlimJimmy_141, IPhane7_141
- Track 10 : Auspice_144

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

The start number called the most often in the published annotations is 12, it was called in 8 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chris_85, KiSi_86, LeMond_85, MarkPhew_86, Nibb_86, Oscar_86, Scarlett_85, Validus_90,

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

-

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

- Auspice_144, Bella96_85, Bobby_54, Bricole_145, IPhane7_141, SlimJimmy_141, TyDawg_137,

Summary by start number:

Start 10:

- Found in 1 of 15 (6.7%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bella96_85 (K1),

Start 12:

- Found in 8 of 15 (53.3%) of genes in pham
- Manual Annotations of this start: 8 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chris_85 (K1), KiSi_86 (K1), LeMond_85 (K1), MarkPhew_86 (K1), Nibb_86 (K1), Oscar_86 (K1), Scarlett_85 (K1), Validus_90 (K1),

Start 13:

- Found in 5 of 15 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Auspice_144 (M1),

Start 15:

- Found in 5 of 15 (33.3%) of genes in pham
- Manual Annotations of this start: 4 of 15
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Bricole_145 (M1), IPhane7_141 (M1), SlimJimmy_141 (M1), TyDawg_137 (M1),

Start 16:

- Found in 2 of 15 (13.3%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Bobby_54 (J),

Summary by clusters:

There are 3 clusters represented in this pham: K1, J, M1,

Info for manual annotations of cluster J:

- Start number 16 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:

- Start number 10 was manually annotated 1 time for cluster K1.
- Start number 12 was manually annotated 8 times for cluster K1.

Info for manual annotations of cluster M1:

- Start number 13 was manually annotated 1 time for cluster M1.
- Start number 15 was manually annotated 4 times for cluster M1.

Gene Information:

Gene: Auspice_144 Start: 73513, Stop: 73325, Start Num: 13

Candidate Starts for Auspice_144:

(9, 73534), (11, 73519), (Start: 13 @73513 has 1 MA's), (Start: 15 @73507 has 4 MA's), (19, 73489), (22, 73387),

Gene: Bella96_85 Start: 54019, Stop: 54198, Start Num: 10

Candidate Starts for Bella96_85:

(Start: 10 @54019 has 1 MA's), (14, 54034), (19, 54052), (22, 54154),

Gene: Bobby_54 Start: 44222, Stop: 44049, Start Num: 16

Candidate Starts for Bobby_54:

(Start: 16 @44222 has 1 MA's), (17, 44219), (19, 44207),

Gene: Bricole_145 Start: 73272, Stop: 73090, Start Num: 15

Candidate Starts for Bricole_145:

(9, 73299), (11, 73284), (Start: 13 @73278 has 1 MA's), (Start: 15 @73272 has 4 MA's), (19, 73254), (22, 73152),

Gene: Chris_85 Start: 53954, Stop: 54124, Start Num: 12

Candidate Starts for Chris_85:

(3, 53828), (6, 53888), (8, 53918), (Start: 12 @53954 has 8 MA's), (18, 53975), (19, 53978), (20, 53993), (22, 54080), (24, 54104), (25, 54116),

Gene: IPHane7_141 Start: 73123, Stop: 72941, Start Num: 15

Candidate Starts for IPHane7_141:

(9, 73150), (11, 73135), (Start: 13 @73129 has 1 MA's), (Start: 15 @73123 has 4 MA's), (19, 73105), (22, 73003),

Gene: KiSi_86 Start: 53915, Stop: 54085, Start Num: 12

Candidate Starts for KiSi_86:

(3, 53789), (6, 53849), (7, 53861), (Start: 12 @53915 has 8 MA's), (Start: 16 @53924 has 1 MA's), (18, 53936), (19, 53939), (22, 54041), (24, 54065), (25, 54077),

Gene: LeMond_85 Start: 53874, Stop: 54044, Start Num: 12

Candidate Starts for LeMond_85:

(6, 53808), (8, 53838), (Start: 12 @53874 has 8 MA's), (18, 53895), (19, 53898), (22, 54000), (24, 54024), (25, 54036),

Gene: MarkPhew_86 Start: 53926, Stop: 54111, Start Num: 12

Candidate Starts for MarkPhew_86:

(4, 53803), (6, 53860), (8, 53890), (Start: 12 @53926 has 8 MA's), (18, 53956), (19, 53959), (20, 53974), (22, 54061),

Gene: Nibb_86 Start: 53590, Stop: 53769, Start Num: 12

Candidate Starts for Nibb_86:

(4, 53467), (6, 53524), (8, 53554), (Start: 12 @53590 has 8 MA's), (18, 53620), (19, 53623), (22, 53725), (24, 53749),

Gene: Oscar_86 Start: 53795, Stop: 53965, Start Num: 12

Candidate Starts for Oscar_86:

(6, 53729), (8, 53759), (Start: 12 @53795 has 8 MA's), (18, 53816), (19, 53819), (22, 53921), (24, 53945), (25, 53957),

Gene: Scarlett_85 Start: 53671, Stop: 53841, Start Num: 12

Candidate Starts for Scarlett_85:

(6, 53605), (8, 53635), (Start: 12 @53671 has 8 MA's), (18, 53692), (19, 53695), (22, 53797), (24, 53821), (25, 53833),

Gene: SlimJimmy_141 Start: 73683, Stop: 73501, Start Num: 15

Candidate Starts for SlimJimmy_141:

(9, 73710), (11, 73695), (Start: 13 @73689 has 1 MA's), (Start: 15 @73683 has 4 MA's), (19, 73665), (22, 73563),

Gene: TyDawg_137 Start: 73126, Stop: 72944, Start Num: 15

Candidate Starts for TyDawg_137:

(9, 73153), (11, 73138), (Start: 13 @73132 has 1 MA's), (Start: 15 @73126 has 4 MA's), (19, 73108), (22, 73006),

Gene: Validus_90 Start: 55444, Stop: 55620, Start Num: 12

Candidate Starts for Validus_90:

(1, 55231), (2, 55303), (4, 55321), (5, 55330), (6, 55378), (8, 55408), (Start: 12 @55444 has 8 MA's), (19, 55474), (20, 55489), (21, 55558), (23, 55579),