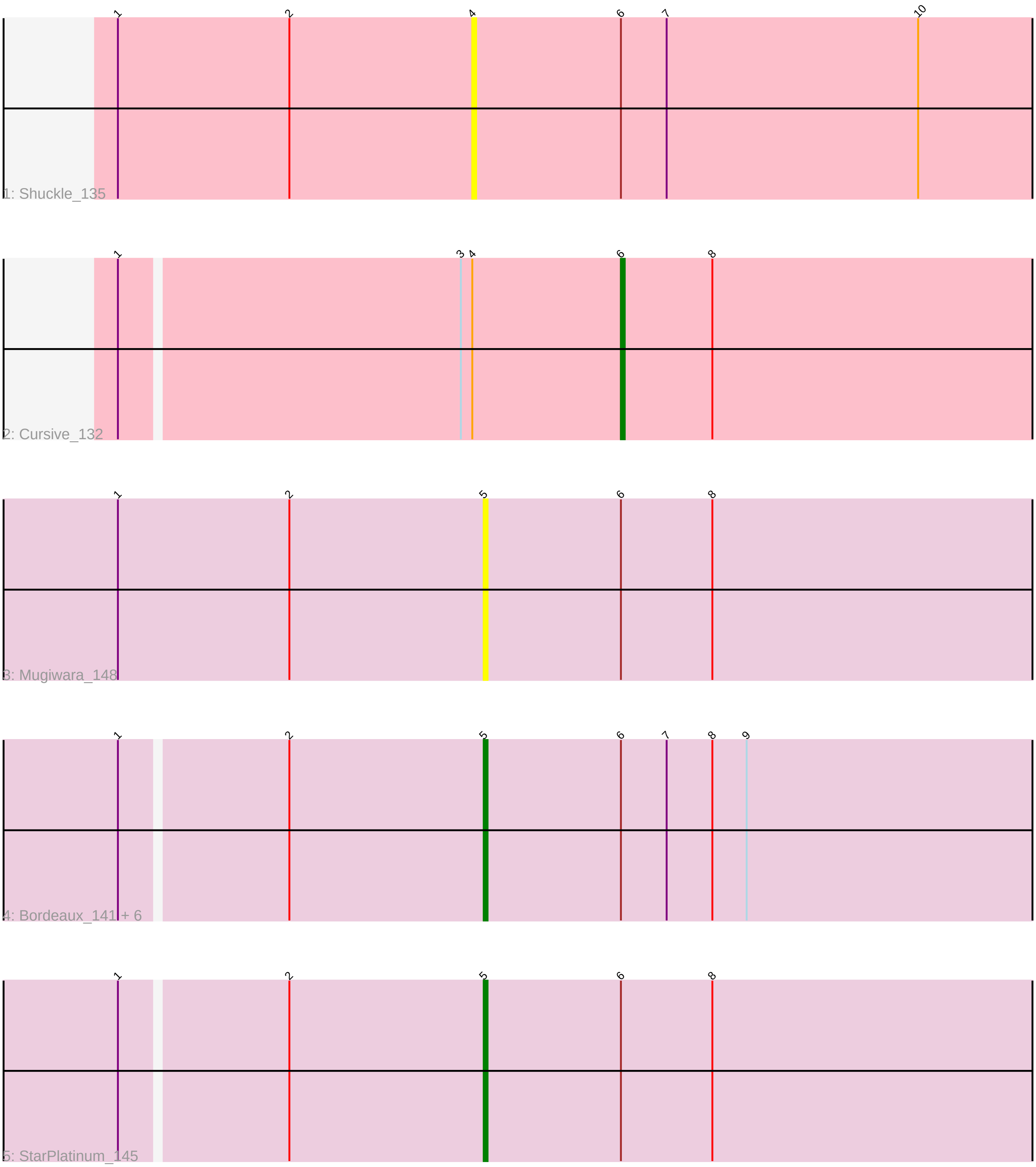
Pham 225061


1
2
4
6
7
10
1: Shuckle_135
1
3
4
6
8
2: Cursive_132
1
2
5
6
8
3: Mugiwara_148
1
2
5
6
7
8
9
4: Bordeaux_141 + 6
1
2
5
6
8
5: StarPlatinum_145

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 225061 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225061 has 11 members, 4 are drafts.

Phages represented in each track:
- Track 1 : Shuckle_135
- Track 2 : Cursive_132
- Track 3 : Mugiwara_148
- Track 4 : Bordeaux_141, Starbow_140, Battuta_141, Rikishi_146, Spelly_144, TomSawyer_143, Gibbi_148
- Track 5 : StarPlatinum_145

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Battuta_141, Bordeaux_141, Gibbi_148, Mugiwara_148, Rikishi_146, Spelly_144, StarPlatinum_145, Starbow_140, TomSawyer_143,

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

Genes that do not have the "Most Annotated" start:
- Cursive_132, Shuckle_135,

Summary by start number:

Start 4:
- Found in 2 of 11 (18.2%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Shuckle_135 (BE1),

Start 5:
- Found in 9 of 11 (81.8%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Battuta_141 (BE2), Bordeaux_141 (BE2), Gibbi_148 (BE2), Mugiwara_148 (BE2), Rikishi_146 (BE2), Spelly_144 (BE2), StarPlatinum_145 (BE2), Starbow_140 (BE2), TomSawyer_143 (BE2),

Start 6:
- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Cursive_132 (BE1),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 6 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 5 was manually annotated 6 times for cluster BE2.

Gene Information:

Gene: Battuta_141 Start: 85461, Stop: 85616, Start Num: 5
Candidate Starts for Battuta_141:
(1, 85368), (2, 85410), (Start: 5 @85461 has 6 MA's), (Start: 6 @85497 has 1 MA's), (7, 85509), (8, 85521), (9, 85530),

Gene: Bordeaux_141 Start: 85616, Stop: 85771, Start Num: 5
Candidate Starts for Bordeaux_141:
(1, 85523), (2, 85565), (Start: 5 @85616 has 6 MA's), (Start: 6 @85652 has 1 MA's), (7, 85664), (8, 85676), (9, 85685),

Gene: Cursive_132 Start: 84502, Stop: 84624, Start Num: 6
Candidate Starts for Cursive_132:
(1, 84373), (3, 84460), (4, 84463), (Start: 6 @84502 has 1 MA's), (8, 84526),

Gene: Gibbi_148 Start: 85600, Stop: 85755, Start Num: 5
Candidate Starts for Gibbi_148:
(1, 85507), (2, 85549), (Start: 5 @85600 has 6 MA's), (Start: 6 @85636 has 1 MA's), (7, 85648), (8, 85660), (9, 85669),

Gene: Mugiwara_148 Start: 86337, Stop: 86492, Start Num: 5
Candidate Starts for Mugiwara_148:
(1, 86241), (2, 86286), (Start: 5 @86337 has 6 MA's), (Start: 6 @86373 has 1 MA's), (8, 86397),

Gene: Rikishi_146 Start: 85394, Stop: 85549, Start Num: 5
Candidate Starts for Rikishi_146:
(1, 85301), (2, 85343), (Start: 5 @85394 has 6 MA's), (Start: 6 @85430 has 1 MA's), (7, 85442), (8, 85454), (9, 85463),

Gene: Shuckle_135 Start: 85275, Stop: 85442, Start Num: 4

Candidate Starts for Shuckle_135:
(1, 85182), (2, 85227), (4, 85275), (Start: 6 @85314 has 1 MA's), (7, 85326), (10, 85392),

Gene: Spelly_144 Start: 85443, Stop: 85598, Start Num: 5
Candidate Starts for Spelly_144:
(1, 85350), (2, 85392), (Start: 5 @85443 has 6 MA's), (Start: 6 @85479 has 1 MA's), (7, 85491), (8, 85503), (9, 85512),

Gene: StarPlatinum_145 Start: 86955, Stop: 87110, Start Num: 5
Candidate Starts for StarPlatinum_145:
(1, 86862), (2, 86904), (Start: 5 @86955 has 6 MA's), (Start: 6 @86991 has 1 MA's), (8, 87015),

Gene: Starbow_140 Start: 85463, Stop: 85618, Start Num: 5
Candidate Starts for Starbow_140:
(1, 85370), (2, 85412), (Start: 5 @85463 has 6 MA's), (Start: 6 @85499 has 1 MA's), (7, 85511), (8, 85523), (9, 85532),

Gene: TomSawyer_143 Start: 85509, Stop: 85664, Start Num: 5
Candidate Starts for TomSawyer_143:
(1, 85416), (2, 85458), (Start: 5 @85509 has 6 MA's), (Start: 6 @85545 has 1 MA's), (7, 85557), (8, 85569), (9, 85578),