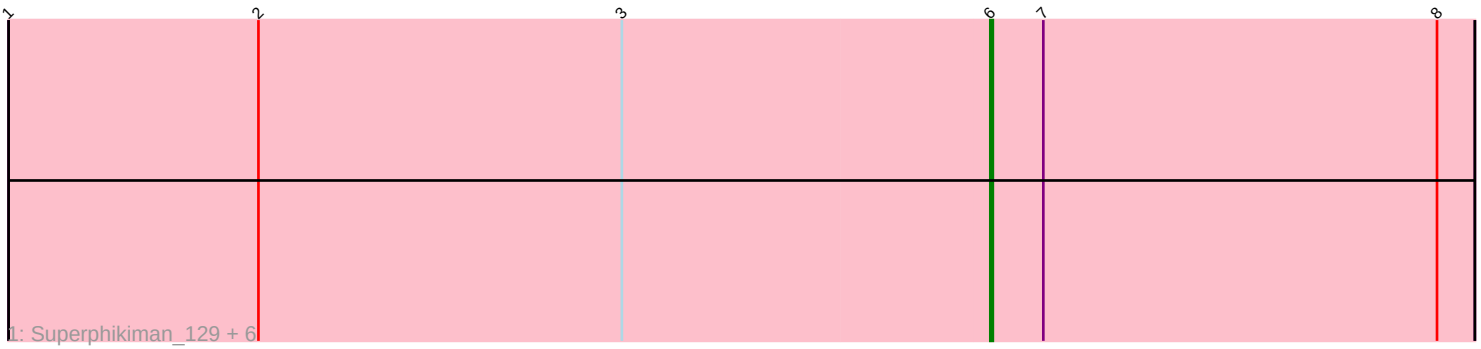
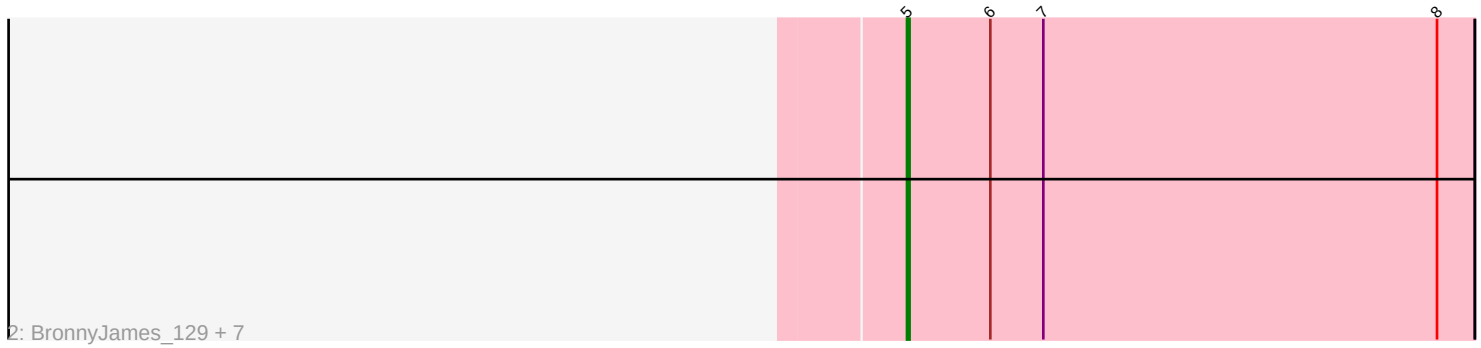
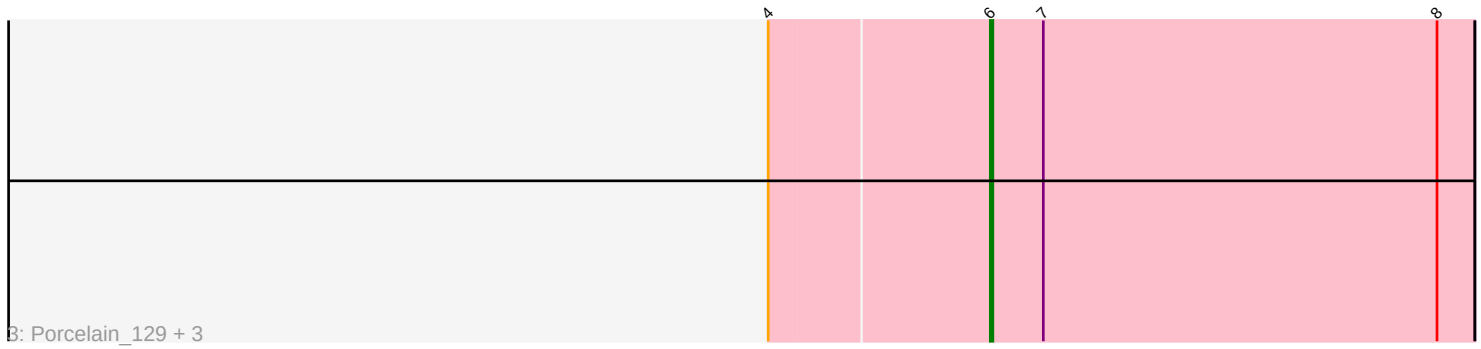
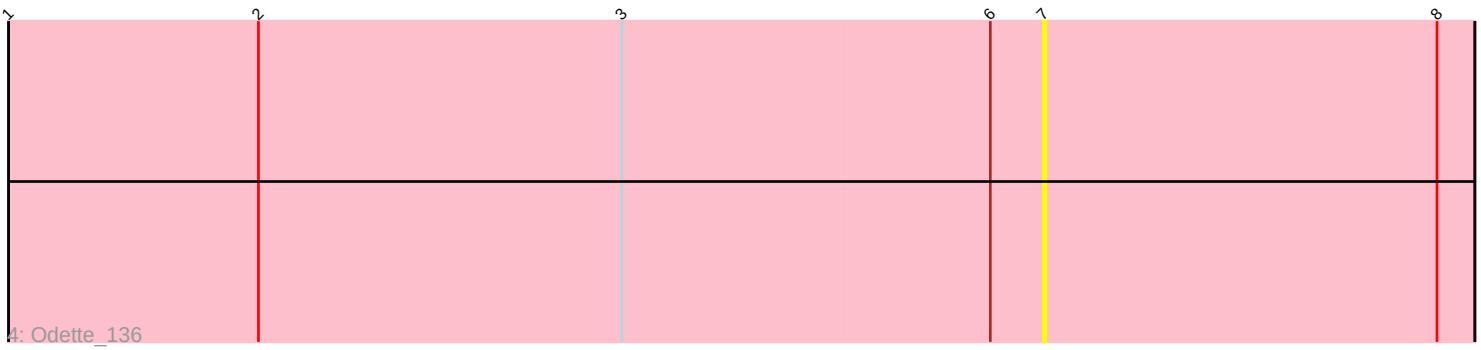
Pham 348063


1
2
3
6
7
8
1: Superphikiman_129 + 6


5
6
7
8
2: BronnyJames_129 + 7


4
6
7
8
3: Porcelain_129 + 3


1
2
3
6
7
8
4: Odette_136

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 348063 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348063 has 20 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Superphikiman_129, HokkenD_124, Hannaconda_125, Gonephishing_126, Courthouse_127, Rearden_130, Yeet_126
• Track 2 : BronnyJames_129, LittleE_134, KashFlow_129, Shaboozey_132, Nibley_128, Nekros_134, MiaZeal_131, Omega_141
• Track 3 : Porcelain_129, Squint_129, Lucky2013_126, Ariel_131
• Track 4 : Odette_136

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 9 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_131, Courthouse_127, Gonephishing_126, Hannaconda_125, HokkenD_124, Lucky2013_126, Porcelain_129, Rearden_130, Squint_129, Superphikiman_129, Yeet_126,

Genes that have the "Most Annotated" start but do not call it:
• BronnyJames_129, KashFlow_129, LittleE_134, MiaZeal_131, Nekros_134, Nibley_128, Odette_136, Omega_141, Shaboozey_132,

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

Summary by start number:

Start 5:
• Found in 8 of 20 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BronnyJames_129 (J), KashFlow_129 (J), LittleE_134 (J), MiaZeal_131 (J), Nekros_134 (J), Nibley_128 (J), Omega_141 (J), Shaboozey_132 (J),

Start 6:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 13
• Called 55.0% of time when present
• Phage (with cluster) where this start called: Ariel_131 (J), Courthouse_127 (J), Gonephishing_126 (J), Hannaconda_125 (J), HokkenD_124 (J), Lucky2013_126 (J), Porcelain_129 (J), Rearden_130 (J), Squint_129 (J), Superphikiman_129 (J), Yeet_126 (J),

Start 7:
• Found in 20 of 20 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 5.0% of time when present
• Phage (with cluster) where this start called: Odette_136 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 5 was manually annotated 4 times for cluster J.
•Start number 6 was manually annotated 9 times for cluster J.

Gene Information:

Gene: Ariel_131 Start: 69213, Stop: 69404, Start Num: 6
Candidate Starts for Ariel_131:
(4, 69129), (Start: 6 @69213 has 9 MA's), (7, 69234), (8, 69390),

Gene: BronnyJames_129 Start: 70295, Stop: 70519, Start Num: 5
Candidate Starts for BronnyJames_129:
(Start: 5 @70295 has 4 MA's), (Start: 6 @70328 has 9 MA's), (7, 70349), (8, 70505),

Gene: Courthouse_127 Start: 69071, Stop: 69262, Start Num: 6
Candidate Starts for Courthouse_127:
(1, 68684), (2, 68783), (3, 68927), (Start: 6 @69071 has 9 MA's), (7, 69092), (8, 69248),

Gene: Gonephishing_126 Start: 68714, Stop: 68905, Start Num: 6
Candidate Starts for Gonephishing_126:
(1, 68327), (2, 68426), (3, 68570), (Start: 6 @68714 has 9 MA's), (7, 68735), (8, 68891),

Gene: Hannaconda_125 Start: 69367, Stop: 69558, Start Num: 6
Candidate Starts for Hannaconda_125:
(1, 68980), (2, 69079), (3, 69223), (Start: 6 @69367 has 9 MA's), (7, 69388), (8, 69544),

Gene: HokkenD_124 Start: 72248, Stop: 72439, Start Num: 6
Candidate Starts for HokkenD_124:
(1, 71861), (2, 71960), (3, 72104), (Start: 6 @72248 has 9 MA's), (7, 72269), (8, 72425),

Gene: KashFlow_129 Start: 70769, Stop: 70993, Start Num: 5
Candidate Starts for KashFlow_129:

(Start: 5 @70769 has 4 MA's), (Start: 6 @70802 has 9 MA's), (7, 70823), (8, 70979),

Gene: LittleE_134 Start: 72023, Stop: 72247, Start Num: 5
Candidate Starts for LittleE_134:
(Start: 5 @72023 has 4 MA's), (Start: 6 @72056 has 9 MA's), (7, 72077), (8, 72233),

Gene: Lucky2013_126 Start: 68932, Stop: 69123, Start Num: 6
Candidate Starts for Lucky2013_126:
(4, 68848), (Start: 6 @68932 has 9 MA's), (7, 68953), (8, 69109),

Gene: MiaZeal_131 Start: 70038, Stop: 70262, Start Num: 5
Candidate Starts for MiaZeal_131:
(Start: 5 @70038 has 4 MA's), (Start: 6 @70071 has 9 MA's), (7, 70092), (8, 70248),

Gene: Nekros_134 Start: 73489, Stop: 73713, Start Num: 5
Candidate Starts for Nekros_134:
(Start: 5 @73489 has 4 MA's), (Start: 6 @73522 has 9 MA's), (7, 73543), (8, 73699),

Gene: Nibley_128 Start: 69872, Stop: 70096, Start Num: 5
Candidate Starts for Nibley_128:
(Start: 5 @69872 has 4 MA's), (Start: 6 @69905 has 9 MA's), (7, 69926), (8, 70082),

Gene: Odette_136 Start: 74186, Stop: 74356, Start Num: 7
Candidate Starts for Odette_136:
(1, 73778), (2, 73877), (3, 74021), (Start: 6 @74165 has 9 MA's), (7, 74186), (8, 74342),

Gene: Omega_141 Start: 73704, Stop: 73928, Start Num: 5
Candidate Starts for Omega_141:
(Start: 5 @73704 has 4 MA's), (Start: 6 @73737 has 9 MA's), (7, 73758), (8, 73914),

Gene: Porcelain_129 Start: 69878, Stop: 70069, Start Num: 6
Candidate Starts for Porcelain_129:
(4, 69794), (Start: 6 @69878 has 9 MA's), (7, 69899), (8, 70055),

Gene: Rearden_130 Start: 70272, Stop: 70463, Start Num: 6
Candidate Starts for Rearden_130:
(1, 69885), (2, 69984), (3, 70128), (Start: 6 @70272 has 9 MA's), (7, 70293), (8, 70449),

Gene: Shaboozey_132 Start: 70316, Stop: 70540, Start Num: 5
Candidate Starts for Shaboozey_132:
(Start: 5 @70316 has 4 MA's), (Start: 6 @70349 has 9 MA's), (7, 70370), (8, 70526),

Gene: Squint_129 Start: 70138, Stop: 70329, Start Num: 6
Candidate Starts for Squint_129:
(4, 70054), (Start: 6 @70138 has 9 MA's), (7, 70159), (8, 70315),

Gene: Superphikiman_129 Start: 69353, Stop: 69544, Start Num: 6
Candidate Starts for Superphikiman_129:
(1, 68966), (2, 69065), (3, 69209), (Start: 6 @69353 has 9 MA's), (7, 69374), (8, 69530),

Gene: Yeet_126 Start: 72277, Stop: 72468, Start Num: 6
Candidate Starts for Yeet_126:
(1, 71890), (2, 71989), (3, 72133), (Start: 6 @72277 has 9 MA's), (7, 72298), (8, 72454),