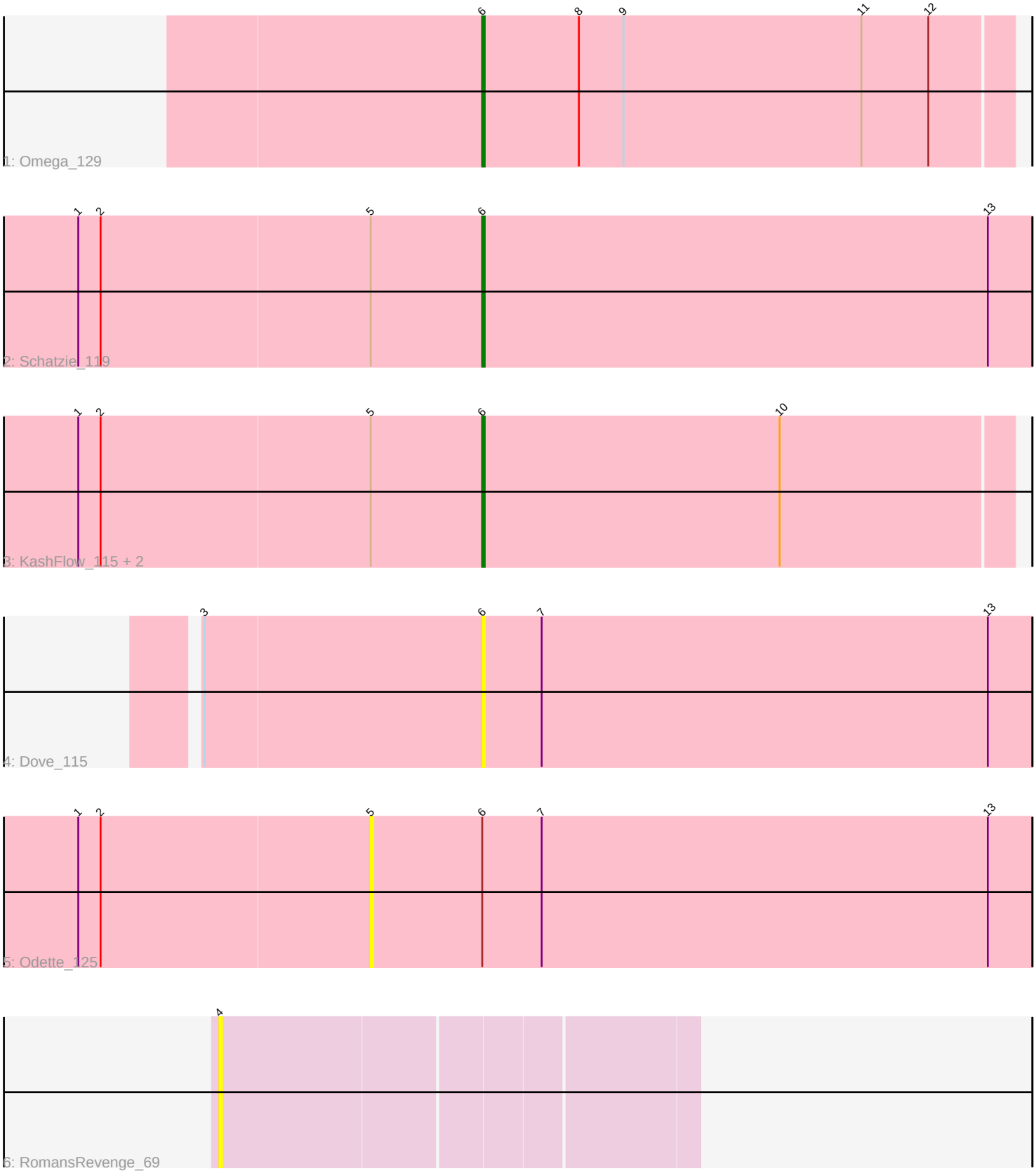
Pham 170583


6
8
9
11
12
1: Omega_129
1
2
5
6
13
2: Schatzie_119
1
2
5
6
10
3: KashFlow_115 + 2
3
6
7
13
4: Dove_115
1
2
5
6
7
13
5: Odette_125
4
6: RomansRevenge_69

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 170583 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170583 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Omega_129
• Track 2 : Schatzie_119
• Track 3 : KashFlow_115, Porcelain_118, Hannaconda_109
• Track 4 : Dove_115
• Track 5 : Odette_125
• Track 6 : RomansRevenge_69

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 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dove_115, Hannaconda_109, KashFlow_115, Omega_129, Porcelain_118, Schatzie_119,

Genes that have the "Most Annotated" start but do not call it:
• Odette_125,

Genes that do not have the "Most Annotated" start:
• RomansRevenge_69,

Summary by start number:

Start 4:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RomansRevenge_69 (singleton),

Start 5:
• Found in 5 of 8 (62.5%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present

• Phage (with cluster) where this start called: Odette_125 (J),

Start 6:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Dove_115 (J), Hannaconda_109 (J), KashFlow_115 (J), Omega_129 (J), Porcelain_118 (J), Schatzie_119 (J),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, J,

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

Gene Information:

Gene: Dove_115 Start: 64129, Stop: 64350, Start Num: 6
Candidate Starts for Dove_115:
(3, 64018), (Start: 6 @64129 has 5 MA's), (7, 64153), (13, 64333),

Gene: Hannaconda_109 Start: 62823, Stop: 63035, Start Num: 6
Candidate Starts for Hannaconda_109:
(1, 62661), (2, 62670), (5, 62778), (Start: 6 @62823 has 5 MA's), (10, 62943),

Gene: KashFlow_115 Start: 65328, Stop: 65540, Start Num: 6
Candidate Starts for KashFlow_115:
(1, 65166), (2, 65175), (5, 65283), (Start: 6 @65328 has 5 MA's), (10, 65448),

Gene: Odette_125 Start: 69428, Stop: 69694, Start Num: 5
Candidate Starts for Odette_125:
(1, 69311), (2, 69320), (5, 69428), (Start: 6 @69473 has 5 MA's), (7, 69497), (13, 69677),

Gene: Omega_129 Start: 69312, Stop: 69524, Start Num: 6
Candidate Starts for Omega_129:
(Start: 6 @69312 has 5 MA's), (8, 69351), (9, 69369), (11, 69465), (12, 69492),

Gene: Porcelain_118 Start: 65153, Stop: 65365, Start Num: 6
Candidate Starts for Porcelain_118:
(1, 64991), (2, 65000), (5, 65108), (Start: 6 @65153 has 5 MA's), (10, 65273),

Gene: RomansRevenge_69 Start: 47385, Stop: 47200, Start Num: 4
Candidate Starts for RomansRevenge_69:
(4, 47385),

Gene: Schatzie_119 Start: 68356, Stop: 68577, Start Num: 6
Candidate Starts for Schatzie_119:
(1, 68194), (2, 68203), (5, 68311), (Start: 6 @68356 has 5 MA's), (13, 68560),