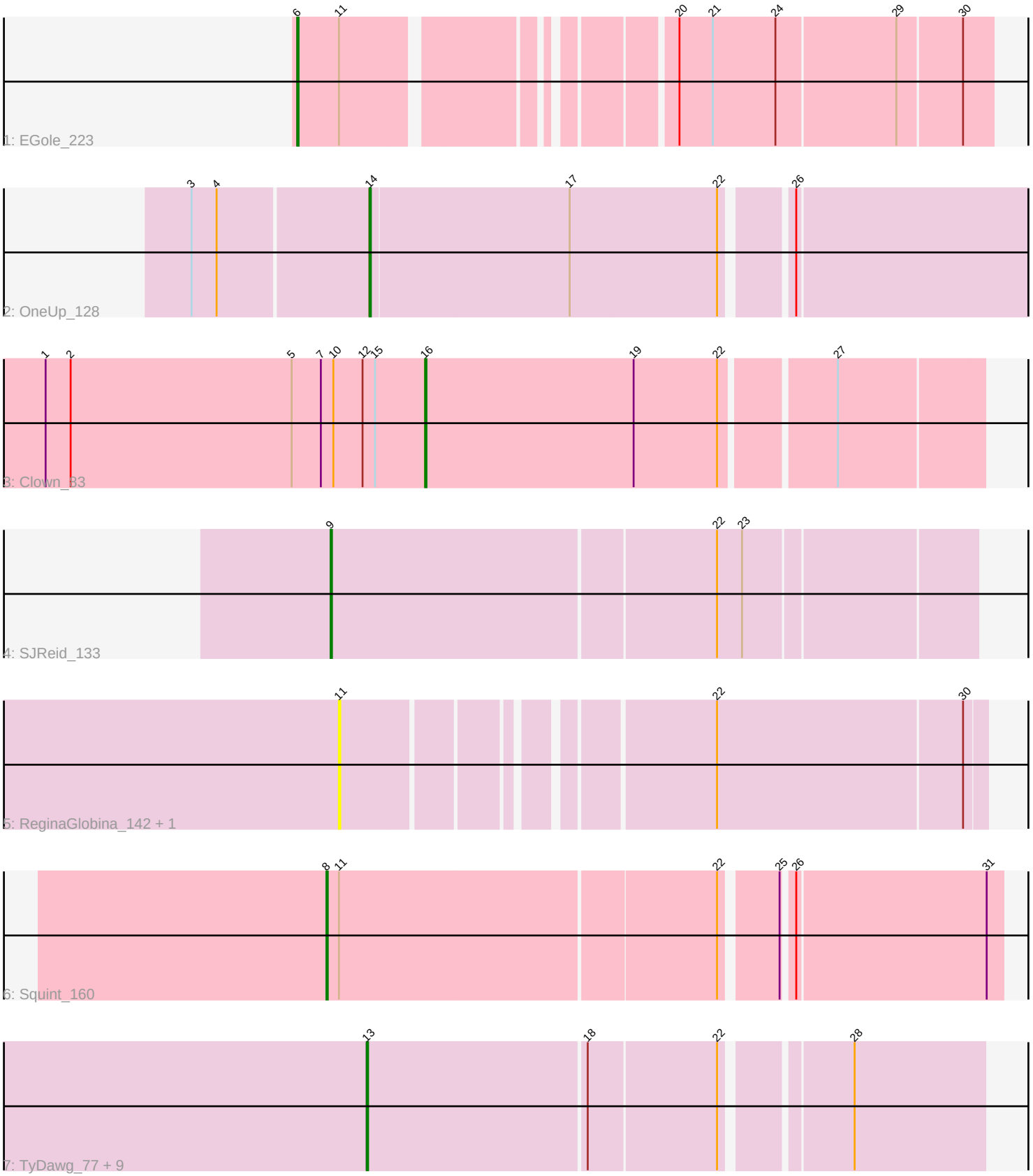
Pham 305374


6
11
20
21
24
29
30
1: EGole_223
3
4
14
17
22
26
2: OneUp_128
1
2
5
7
10
12
15
16
19
22
27
3: Clown_83
9
22
23
4: SJReid_133
11
22
30
5: ReginaGlobina_142 + 1
8
11
22
25
26
31
6: Squint_160
13
18
22
28
7: TyDawg_77 + 9

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 305374 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305374 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : EGole_223
• Track 2 : OneUp_128
• Track 3 : Clown_83
• Track 4 : SJReid_133
• Track 5 : ReginaGlobina_142, LeoJr_143
• Track 6 : Squint_160
• Track 7 : TyDawg_77, Diminimus_78, FreakyGoo_79, Bongo_77, Dulcita_78, LilhomieP_77, TpudiCK_79, Izel_78, PegLeg_76, Skinny_80

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

The start number called the most often in the published annotations is 13, it was called in 9 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bongo_77, Diminimus_78, Dulcita_78, FreakyGoo_79, Izel_78, LilhomieP_77, PegLeg_76, Skinny_80, TpudiCK_79, TyDawg_77,

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

Genes that do not have the "Most Annotated" start:
• Clown_83, EGole_223, LeoJr_143, OneUp_128, ReginaGlobina_142, SJReid_133, Squint_160,

Summary by start number:

Start 6:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EGole_223 (BE1),

Start 8:

• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Squint_160 (J),

Start 9:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SJReid_133 (FC),

Start 11:
• Found in 4 of 17 (23.5%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: LeoJr_143 (FC), ReginaGlobina_142 (FC),

Start 13:
• Found in 10 of 17 (58.8%) of genes in pham
• Manual Annotations of this start: 9 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bongo_77 (M1), Diminimus_78 (M1), Dulcita_78 (M1), FreakyGoo_79 (M1), Izel_78 (M1), LilhomieP_77 (M1), PegLeg_76 (M1), Skinny_80 (M1), TpudiCK_79 (M1), TyDawg_77 (M1),

Start 14:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: OneUp_128 (CQ2),

Start 16:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Clown_83 (DC2),

Summary by clusters:

There are 6 clusters represented in this pham: J, FC, M1, CQ2, BE1, DC2,

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

Info for manual annotations of cluster CQ2:
•Start number 14 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DC2:
•Start number 16 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster FC:
•Start number 9 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster J:
•Start number 8 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster M1:
•Start number 13 was manually annotated 9 times for cluster M1.

Gene Information:

Gene: Bongo_77 Start: 49178, Stop: 49594, Start Num: 13
Candidate Starts for Bongo_77:
(Start: 13 @49178 has 9 MA's), (18, 49331), (22, 49421), (28, 49502),

Gene: Clown_83 Start: 53992, Stop: 54378, Start Num: 16
Candidate Starts for Clown_83:
(1, 53719), (2, 53737), (5, 53896), (7, 53917), (10, 53926), (12, 53947), (15, 53956), (Start: 16 @53992 has 1 MA's), (19, 54142), (22, 54202), (27, 54277),

Gene: Diminimus_78 Start: 49173, Stop: 49589, Start Num: 13
Candidate Starts for Diminimus_78:
(Start: 13 @49173 has 9 MA's), (18, 49326), (22, 49416), (28, 49497),

Gene: Dulcita_78 Start: 49174, Stop: 49590, Start Num: 13
Candidate Starts for Dulcita_78:
(Start: 13 @49174 has 9 MA's), (18, 49327), (22, 49417), (28, 49498),

Gene: EGole_223 Start: 113552, Stop: 114001, Start Num: 6
Candidate Starts for EGole_223:
(Start: 6 @113552 has 1 MA's), (11, 113582), (20, 113783), (21, 113807), (24, 113852), (29, 113936), (30, 113981),

Gene: FreakyGoo_79 Start: 49653, Stop: 50069, Start Num: 13
Candidate Starts for FreakyGoo_79:
(Start: 13 @49653 has 9 MA's), (18, 49806), (22, 49896), (28, 49977),

Gene: Izel_78 Start: 49173, Stop: 49589, Start Num: 13
Candidate Starts for Izel_78:
(Start: 13 @49173 has 9 MA's), (18, 49326), (22, 49416), (28, 49497),

Gene: LeoJr_143 Start: 97416, Stop: 97838, Start Num: 11
Candidate Starts for LeoJr_143:
(11, 97416), (22, 97650), (30, 97824),

Gene: LilhomieP_77 Start: 49657, Stop: 50073, Start Num: 13
Candidate Starts for LilhomieP_77:
(Start: 13 @49657 has 9 MA's), (18, 49810), (22, 49900), (28, 49981),

Gene: OneUp_128 Start: 76398, Stop: 76883, Start Num: 14
Candidate Starts for OneUp_128:
(3, 76275), (4, 76293), (Start: 14 @76398 has 1 MA's), (17, 76539), (22, 76644), (26, 76686),

Gene: PegLeg_76 Start: 48918, Stop: 49334, Start Num: 13
Candidate Starts for PegLeg_76:
(Start: 13 @48918 has 9 MA's), (18, 49071), (22, 49161), (28, 49242),

Gene: ReginaGlobina_142 Start: 97638, Stop: 98060, Start Num: 11
Candidate Starts for ReginaGlobina_142:
(11, 97638), (22, 97872), (30, 98046),

Gene: SJReid_133 Start: 86260, Stop: 86706, Start Num: 9
Candidate Starts for SJReid_133:
(Start: 9 @86260 has 1 MA's), (22, 86530), (23, 86548),

Gene: Skinny_80 Start: 50086, Stop: 50502, Start Num: 13
Candidate Starts for Skinny_80:
(Start: 13 @50086 has 9 MA's), (18, 50239), (22, 50329), (28, 50410),

Gene: Squint_160 Start: 85250, Stop: 85708, Start Num: 8
Candidate Starts for Squint_160:
(Start: 8 @85250 has 1 MA's), (11, 85259), (22, 85523), (25, 85559), (26, 85565), (31, 85697),

Gene: TpudiCK_79 Start: 49177, Stop: 49593, Start Num: 13
Candidate Starts for TpudiCK_79:
(Start: 13 @49177 has 9 MA's), (18, 49330), (22, 49420), (28, 49501),

Gene: TyDawg_77 Start: 49178, Stop: 49594, Start Num: 13
Candidate Starts for TyDawg_77:
(Start: 13 @49178 has 9 MA's), (18, 49331), (22, 49421), (28, 49502),