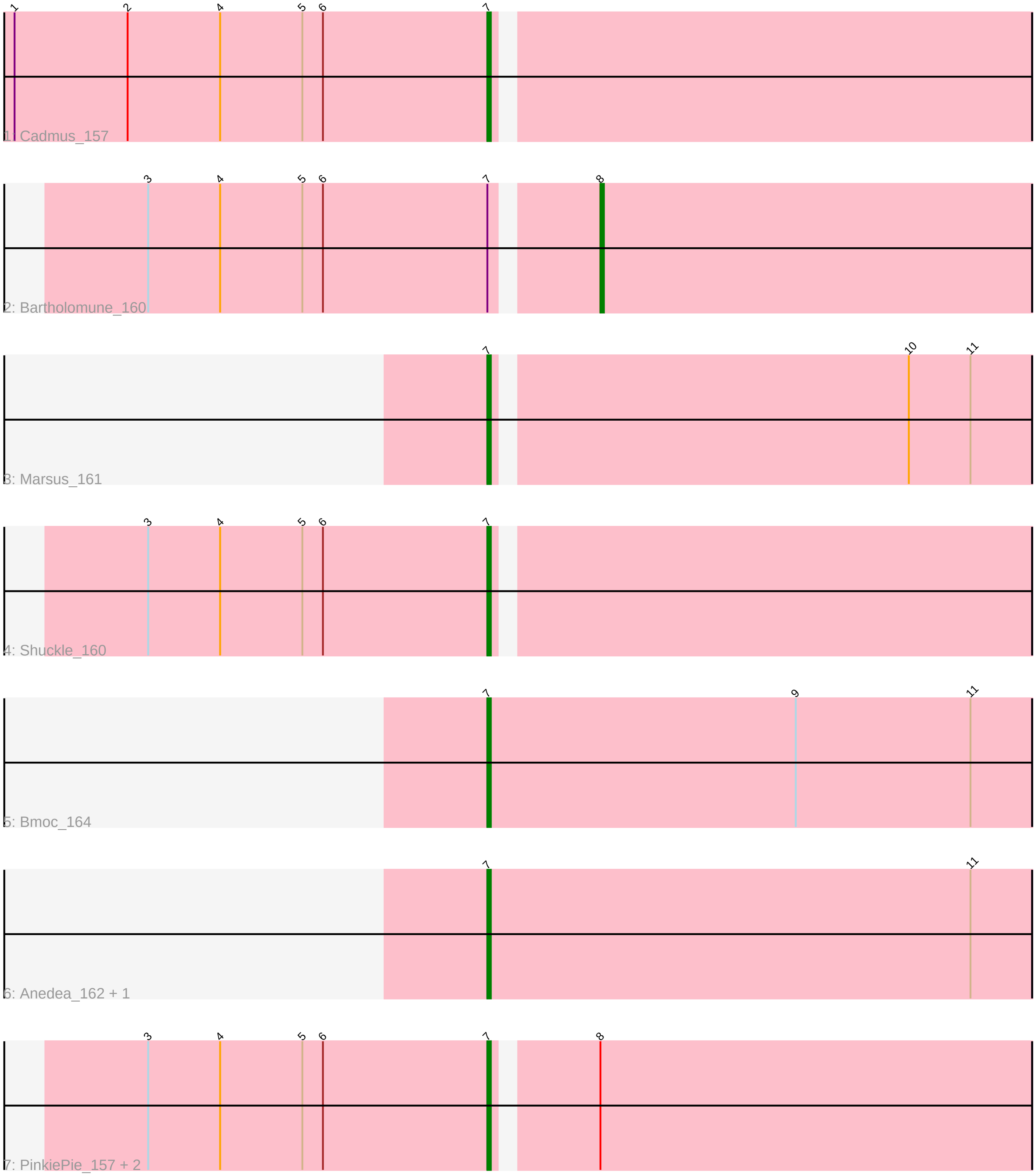
Pham 276802


1
2
4
5
6
7
1: Cadmus_157
3
4
5
6
7
8
2: Bartholomune_160
7
10
11
3: Marsus_161
3
4
5
6
7
4: Shuckle_160
7
9
11
5: Bmoc_164
7
11
6: Anedea_162 + 1
3
4
5
6
7
8
7: PinkiePie_157 + 2

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 276802 Report

This analysis was run 02/07/26 on database version 634.

Pham number 276802 has 10 members, 0 are drafts.

Phages represented in each track:
- Track 1 : Cadmus_157
- Track 2 : Bartholomune_160
- Track 3 : Marsus_161
- Track 4 : Shuckle_160
- Track 5 : Bmoc_164
- Track 6 : Anedea_162, Riptide_155
- Track 7 : PinkiePie_157, Liandry_160, Squillium_160

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

The start number called the most often in the published annotations is 7, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Anedea_162, Bmoc_164, Cadmus_157, Liandry_160, Marsus_161, PinkiePie_157, Riptide_155, Shuckle_160, Squillium_160,

Genes that have the "Most Annotated" start but do not call it:
- Bartholomune_160,

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

Summary by start number:

Start 7:
- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 90.0% of time when present
- Phage (with cluster) where this start called: Anedea_162 (BE1), Bmoc_164 (BE1), Cadmus_157 (BE1), Liandry_160 (BE1), Marsus_161 (BE1), PinkiePie_157 (BE1), Riptide_155 (BE1), Shuckle_160 (BE1), Squillium_160 (BE1),

Start 8:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Bartholomune_160 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:
•Start number 7 was manually annotated 9 times for cluster BE1.
•Start number 8 was manually annotated 1 time for cluster BE1.

Gene Information:

Gene: Anedea_162 Start: 90647, Stop: 90805, Start Num: 7
Candidate Starts for Anedea_162:
(Start: 7 @90647 has 9 MA's), (11, 90788),

Gene: Bartholomune_160 Start: 90858, Stop: 90983, Start Num: 8
Candidate Starts for Bartholomune_160:
(3, 90732), (4, 90753), (5, 90777), (6, 90783), (Start: 7 @90831 has 9 MA's), (Start: 8 @90858 has 1 MA's),

Gene: Bmoc_164 Start: 91216, Stop: 91374, Start Num: 7
Candidate Starts for Bmoc_164:
(Start: 7 @91216 has 9 MA's), (9, 91306), (11, 91357),

Gene: Cadmus_157 Start: 91618, Stop: 91770, Start Num: 7
Candidate Starts for Cadmus_157:
(1, 91480), (2, 91513), (4, 91540), (5, 91564), (6, 91570), (Start: 7 @91618 has 9 MA's),

Gene: Liandry_160 Start: 91574, Stop: 91726, Start Num: 7
Candidate Starts for Liandry_160:
(3, 91475), (4, 91496), (5, 91520), (6, 91526), (Start: 7 @91574 has 9 MA's), (Start: 8 @91601 has 1 MA's),

Gene: Marsus_161 Start: 91227, Stop: 91379, Start Num: 7
Candidate Starts for Marsus_161:
(Start: 7 @91227 has 9 MA's), (10, 91344), (11, 91362),

Gene: PinkiePie_157 Start: 91574, Stop: 91726, Start Num: 7
Candidate Starts for PinkiePie_157:
(3, 91475), (4, 91496), (5, 91520), (6, 91526), (Start: 7 @91574 has 9 MA's), (Start: 8 @91601 has 1 MA's),

Gene: Riptide_155 Start: 89287, Stop: 89445, Start Num: 7
Candidate Starts for Riptide_155:
(Start: 7 @89287 has 9 MA's), (11, 89428),

Gene: Shuckle_160 Start: 92264, Stop: 92416, Start Num: 7

Candidate Starts for Shuckle_160:
(3, 92165), (4, 92186), (5, 92210), (6, 92216), (Start: 7 @92264 has 9 MA's),

Gene: Squillium_160 Start: 91576, Stop: 91728, Start Num: 7
Candidate Starts for Squillium_160:
(3, 91477), (4, 91498), (5, 91522), (6, 91528), (Start: 7 @91576 has 9 MA's), (Start: 8 @91603 has 1 MA's),