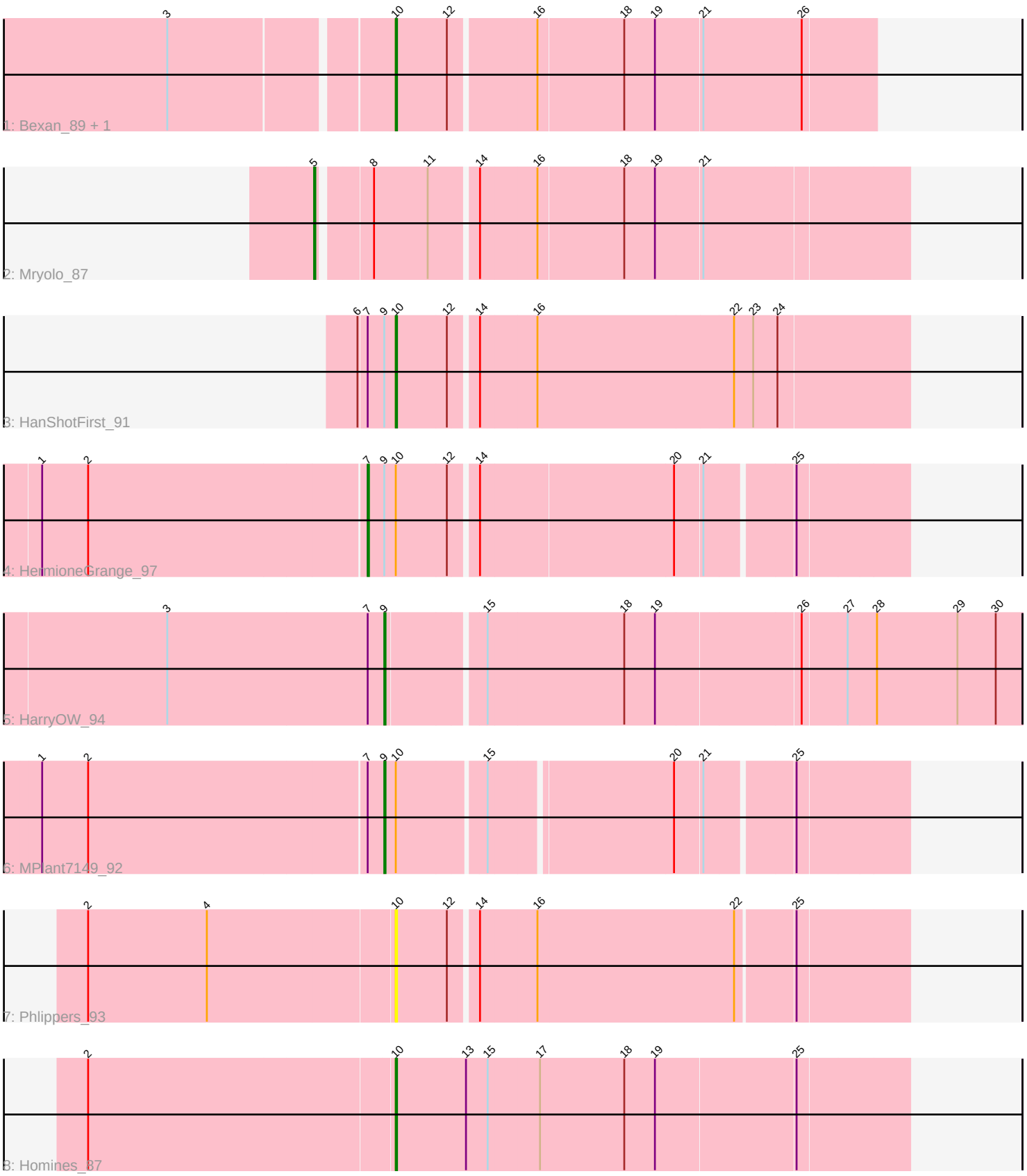
Pham 333501


3
10
12
16
18
19
21
26
1: Bexan_89 + 1
5
8
11
14
16
18
19
21
2: Mryolo_87
6
7
9
10
12
14
16
22
23
24
3: HanShotFirst_91
1
2
7
9
10
12
14
20
21
25
4: HermioneGrange_97
3
7
9
15
18
19
26
27
28
29
30
5: HarryOW_94
1
2
7
9
10
15
20
21
25
6: MPlant7149_92
2
4
10
12
14
16
22
25
7: Phlippers_93
2
10
13
15
17
18
19
25
8: Homines_87

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 333501 Report

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

Pham number 333501 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Bexan_89, StrongArm_90
• Track 2 : Mryolo_87
• Track 3 : HanShotFirst_91
• Track 4 : HermioneGrange_97
• Track 5 : HarryOW_94
• Track 6 : MPlant7149_92
• Track 7 : Phlippers_93
• Track 8 : Homines_87

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bexan_89, HanShotFirst_91, Homines_87, Phlippers_93, StrongArm_90,

Genes that have the "Most Annotated" start but do not call it:
• HermioneGrange_97, MPlant7149_92,

Genes that do not have the "Most Annotated" start:
• HarryOW_94, Mryolo_87,

Summary by start number:

Start 5:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mryolo_87 (A1),

Start 7:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 1 of 8

• Called 25.0% of time when present
• Phage (with cluster) where this start called: HermioneGrange_97 (A1),

Start 9:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 50.0% of time when present
• Phage (with cluster) where this start called: HarryOW_94 (A1), MPlant7149_92 (A1),

Start 10:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Bexan_89 (A1), HanShotFirst_91 (A1), Homines_87 (A1), Phlippers_93 (A1), StrongArm_90 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 5 was manually annotated 1 time for cluster A1.
•Start number 7 was manually annotated 1 time for cluster A1.
•Start number 9 was manually annotated 2 times for cluster A1.
•Start number 10 was manually annotated 4 times for cluster A1.

Gene Information:

Gene: Bexan_89 Start: 51788, Stop: 51432, Start Num: 10
Candidate Starts for Bexan_89:
(3, 51947), (Start: 10 @51788 has 4 MA's), (12, 51749), (16, 51686), (18, 51620), (19, 51596), (21, 51560), (26, 51485),

Gene: HanShotFirst_91 Start: 52097, Stop: 51714, Start Num: 10
Candidate Starts for HanShotFirst_91:
(6, 52124), (Start: 7 @52118 has 1 MA's), (Start: 9 @52106 has 2 MA's), (Start: 10 @52097 has 4 MA's), (12, 52058), (14, 52040), (16, 51998), (22, 51848), (23, 51833), (24, 51815),

Gene: HarryOW_94 Start: 52638, Stop: 52165, Start Num: 9
Candidate Starts for HarryOW_94:
(3, 52806), (Start: 7 @52650 has 1 MA's), (Start: 9 @52638 has 2 MA's), (15, 52569), (18, 52464), (19, 52440), (26, 52332), (27, 52299), (28, 52278), (29, 52215), (30, 52185),

Gene: HermioneGrange_97 Start: 52867, Stop: 52475, Start Num: 7
Candidate Starts for HermioneGrange_97:
(1, 53116), (2, 53080), (Start: 7 @52867 has 1 MA's), (Start: 9 @52855 has 2 MA's), (Start: 10 @52846 has 4 MA's), (12, 52807), (14, 52789), (20, 52642), (21, 52621), (25, 52558),

Gene: Homines_87 Start: 48201, Stop: 47815, Start Num: 10
Candidate Starts for Homines_87:

(2, 48435), (Start: 10 @48201 has 4 MA's), (13, 48147), (15, 48132), (17, 48093), (18, 48027), (19, 48003), (25, 47898),

Gene: MPlant7149_92 Start: 51080, Stop: 50706, Start Num: 9
Candidate Starts for MPlant7149_92:
(1, 51341), (2, 51305), (Start: 7 @51092 has 1 MA's), (Start: 9 @51080 has 2 MA's), (Start: 10 @51071 has 4 MA's), (15, 51008), (20, 50873), (21, 50852), (25, 50789),

Gene: Mryolo_87 Start: 50262, Stop: 49831, Start Num: 5
Candidate Starts for Mryolo_87:
(Start: 5 @50262 has 1 MA's), (8, 50226), (11, 50184), (14, 50151), (16, 50109), (18, 50043), (19, 50019), (21, 49983),

Gene: Phlippers_93 Start: 52767, Stop: 52393, Start Num: 10
Candidate Starts for Phlippers_93:
(2, 53001), (4, 52908), (Start: 10 @52767 has 4 MA's), (12, 52728), (14, 52710), (16, 52668), (22, 52518), (25, 52476),

Gene: StrongArm_90 Start: 51916, Stop: 51560, Start Num: 10
Candidate Starts for StrongArm_90:
(3, 52075), (Start: 10 @51916 has 4 MA's), (12, 51877), (16, 51814), (18, 51748), (19, 51724), (21, 51688), (26, 51613),