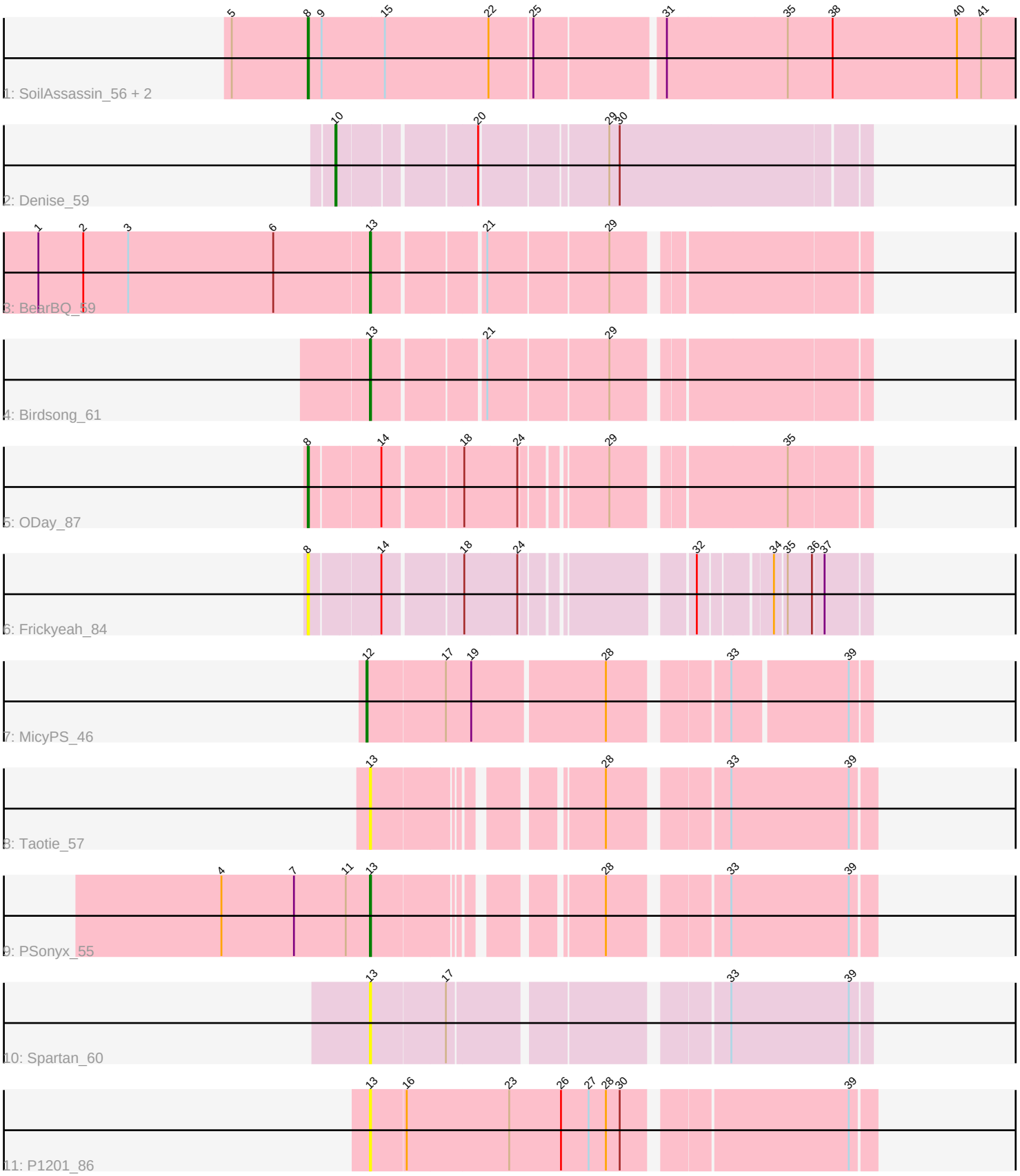
Pham 348173


1: SoilAssassin_56 + 2
2: Denise_59
3: BearBQ_59
4: Birdsong_61
5: ODay_87
6: Frickyeah_84
7: MicyPS_46
8: Taotie_57
9: PSonyx_55
10: Spartan_60
11: P1201_86

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 348173 Report

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

Pham number 348173 has 13 members, 4 are drafts.

Phages represented in each track:
• Track 1 : SoilAssassin_56, Attis_56, LordFarquaad_58
• Track 2 : Denise_59
• Track 3 : BearBQ_59
• Track 4 : Birdsong_61
• Track 5 : ODay_87
• Track 6 : Frickyeah_84
• Track 7 : MicyPS_46
• Track 8 : Taotie_57
• Track 9 : PSonyx_55
• Track 10 : Spartan_60
• Track 11 : P1201_86

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

The start number called the most often in the published annotations is 8, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Attis_56, Frickyeah_84, LordFarquaad_58, ODay_87, SoilAssassin_56,

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

Genes that do not have the "Most Annotated" start:
• BearBQ_59, Birdsong_61, Denise_59, MicyPS_46, P1201_86, PSonyx_55, Spartan_60, Taotie_57,

Summary by start number:

Start 8:
• Found in 5 of 13 (38.5%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Attis_56 (CZ2), Frickyeah_84 (DN1), LordFarquaad_58 (CZ2), ODay_87 (DN), SoilAssassin_56 (CZ2),

Start 10:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Denise_59 (CZ5),

Start 12:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MicyPS_46 (EQ),

Start 13:
• Found in 6 of 13 (46.2%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BearBQ_59 (DN), Birdsong_61 (DN), P1201_86 (singleton), PSonyx_55 (EQ), Spartan_60 (ES), Taotie_57 (EQ),

Summary by clusters:

There are 7 clusters represented in this pham: DN, singleton, CZ2, CZ5, DN1, EQ, ES,

Info for manual annotations of cluster CZ2:
•Start number 8 was manually annotated 3 times for cluster CZ2.

Info for manual annotations of cluster CZ5:
•Start number 10 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster DN:
•Start number 8 was manually annotated 1 time for cluster DN.
•Start number 13 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster EQ:
•Start number 12 was manually annotated 1 time for cluster EQ.
•Start number 13 was manually annotated 1 time for cluster EQ.

Gene Information:

Gene: Attis_56 Start: 39408, Stop: 40010, Start Num: 8
Candidate Starts for Attis_56:
(5, 39342), (Start: 8 @39408 has 4 MA's), (9, 39420), (15, 39474), (22, 39564), (25, 39600), (31, 39705), (35, 39807), (38, 39846), (40, 39954), (41, 39975),

Gene: BearBQ_59 Start: 40143, Stop: 40532, Start Num: 13

Candidate Starts for BearBQ_59:
(1, 39858), (2, 39897), (3, 39936), (6, 40062), (Start: 13 @40143 has 3 MA's), (21, 40230), (29, 40329),

Gene: Birdsong_61 Start: 38810, Stop: 39199, Start Num: 13
Candidate Starts for Birdsong_61:
(Start: 13 @38810 has 3 MA's), (21, 38897), (29, 38996),

Gene: Denise_59 Start: 37230, Stop: 37658, Start Num: 10
Candidate Starts for Denise_59:
(Start: 10 @37230 has 1 MA's), (20, 37338), (29, 37440), (30, 37449),

Gene: Frickyeah_84 Start: 46460, Stop: 46879, Start Num: 8
Candidate Starts for Frickyeah_84:
(Start: 8 @46460 has 4 MA's), (14, 46517), (18, 46580), (24, 46625), (32, 46748), (34, 46802), (35, 46811), (36, 46832), (37, 46841),

Gene: LordFarquaad_58 Start: 39389, Stop: 39991, Start Num: 8
Candidate Starts for LordFarquaad_58:
(5, 39323), (Start: 8 @39389 has 4 MA's), (9, 39401), (15, 39455), (22, 39545), (25, 39581), (31, 39686), (35, 39788), (38, 39827), (40, 39935), (41, 39956),

Gene: MicyPS_46 Start: 35327, Stop: 34926, Start Num: 12
Candidate Starts for MicyPS_46:
(Start: 12 @35327 has 1 MA's), (17, 35261), (19, 35240), (28, 35129), (33, 35039), (39, 34943),

Gene: ODay_87 Start: 48574, Stop: 49005, Start Num: 8
Candidate Starts for ODay_87:
(Start: 8 @48574 has 4 MA's), (14, 48631), (18, 48694), (24, 48739), (29, 48802), (35, 48937),

Gene: P1201_86 Start: 63325, Stop: 62912, Start Num: 13
Candidate Starts for P1201_86:
(Start: 13 @63325 has 3 MA's), (16, 63295), (23, 63208), (26, 63163), (27, 63139), (28, 63124), (30, 63112), (39, 62932),

Gene: PSonyx_55 Start: 36676, Stop: 36302, Start Num: 13
Candidate Starts for PSonyx_55:
(4, 36805), (7, 36742), (11, 36697), (Start: 13 @36676 has 3 MA's), (28, 36514), (33, 36424), (39, 36322),

Gene: SoilAssassin_56 Start: 39407, Stop: 40009, Start Num: 8
Candidate Starts for SoilAssassin_56:
(5, 39341), (Start: 8 @39407 has 4 MA's), (9, 39419), (15, 39473), (22, 39563), (25, 39599), (31, 39704), (35, 39806), (38, 39845), (40, 39953), (41, 39974),

Gene: Spartan_60 Start: 43759, Stop: 44154, Start Num: 13
Candidate Starts for Spartan_60:
(Start: 13 @43759 has 3 MA's), (17, 43822), (33, 44035), (39, 44137),

Gene: Taotie_57 Start: 34952, Stop: 34578, Start Num: 13
Candidate Starts for Taotie_57:
(Start: 13 @34952 has 3 MA's), (28, 34790), (33, 34700), (39, 34598),