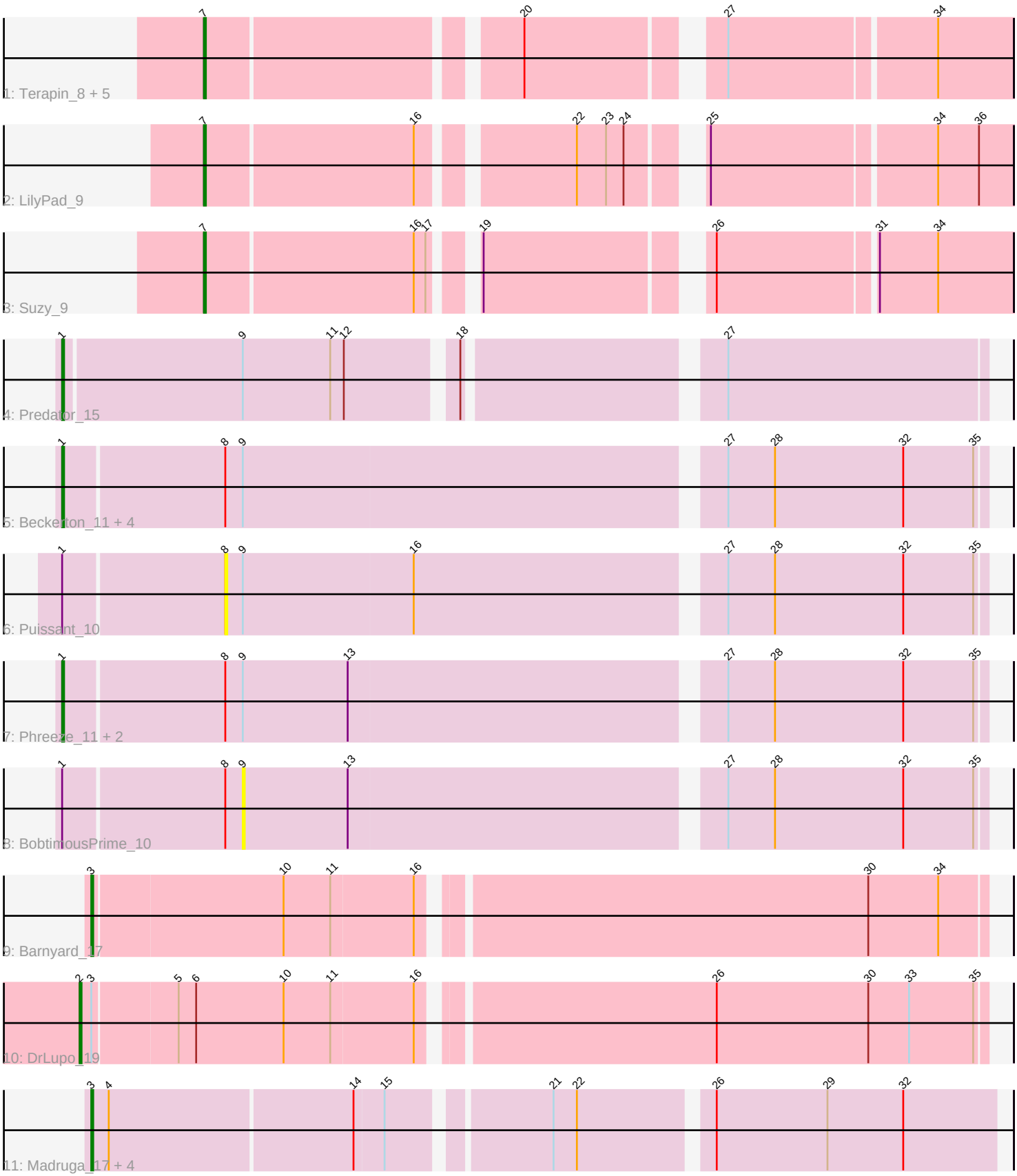
Pham 284103


7
20
27
34
1: Terapin_8 + 5
7
16
22
23
24
25
34
36
2: LilyPad_9
7
16
17
19
26
31
34
3: Suzy_9
1
9
11
12
18
27
4: Predator_15
1
8
9
27
28
32
35
5: Beckerton_11 + 4
1
8
9
16
27
28
32
35
6: Puissant_10
1
8
9
13
27
28
32
35
7: Phreeze_11 + 2
1
8
9
13
27
28
32
35
8: BobtimousPrime_10
3
10
11
16
30
34
9: Barnyard_17
2
3
5
6
10
11
16
26
30
33
35
10: DrLupo_19
3
4
14
15
21
22
26
29
32
11: Madruga_17 + 4

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 284103 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284103 has 26 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Terapin_8, Sienna_8, Djokovic_8, BiteSize_8, Beyoncage_8, Madi_8
• Track 2 : LilyPad_9
• Track 3 : Suzy_9
• Track 4 : Predator_15
• Track 5 : Beckerton_11, Cborch11_12, Damien_11, Konstantine_16, Megatron06_13
• Track 6 : Puissant_10
• Track 7 : Phreeze_11, Thumb_11, Oaker_11
• Track 8 : BobtimousPrime_10
• Track 9 : Barnyard_17
• Track 10 : DrLupo_19
• Track 11 : Madruga_17, Demikore_19, Patience_19, Labelle_18, SuperSonics_18

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

The start number called the most often in the published annotations is 1, it was called in 9 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_11, Cborch11_12, Damien_11, Konstantine_16, Megatron06_13, Oaker_11, Phreeze_11, Predator_15, Thumb_11,

Genes that have the "Most Annotated" start but do not call it:
• BobtimousPrime_10, Puissant_10,

Genes that do not have the "Most Annotated" start:
• Barnyard_17, Beyoncage_8, BiteSize_8, Demikore_19, Djokovic_8, DrLupo_19, Labelle_18, LilyPad_9, Madi_8, Madruga_17, Patience_19, Sienna_8, SuperSonics_18, Suzy_9, Terapin_8,

Summary by start number:

Start 1:
• Found in 11 of 26 (42.3%) of genes in pham

• Manual Annotations of this start: 9 of 22
• Called 81.8% of time when present
• Phage (with cluster) where this start called: Beckerton_11 (H1), Cborch11_12 (H1), Damien_11 (H1), Konstantine_16 (H1), Megatron06_13 (H1), Oaker_11 (H1), Phreeze_11 (H1), Predator_15 (H1), Thumb_11 (H1),

Start 2:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DrLupo_19 (H2),

Start 3:
• Found in 7 of 26 (26.9%) of genes in pham
• Manual Annotations of this start: 4 of 22
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Barnyard_17 (H2), Demikore_19 (U), Labelle_18 (U), Madruga_17 (U), Patience_19 (U), SuperSonics_18 (U),

Start 7:
• Found in 8 of 26 (30.8%) of genes in pham
• Manual Annotations of this start: 8 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beyoncage_8 (DG1), BiteSize_8 (DG1), Djokovic_8 (DG1), LilyPad_9 (DG1), Madi_8 (DG1), Sienna_8 (DG1), Suzy_9 (DG1), Terapin_8 (DG1),

Start 8:
• Found in 10 of 26 (38.5%) of genes in pham
• No Manual Annotations of this start.
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Puissant_10 (H1),

Start 9:
• Found in 11 of 26 (42.3%) of genes in pham
• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: BobtimousPrime_10 (H1),

Summary by clusters:

There are 4 clusters represented in this pham: H2, DG1, H1, U,

Info for manual annotations of cluster DG1:
•Start number 7 was manually annotated 8 times for cluster DG1.

Info for manual annotations of cluster H1:
•Start number 1 was manually annotated 9 times for cluster H1.

Info for manual annotations of cluster H2:
•Start number 2 was manually annotated 1 time for cluster H2.
•Start number 3 was manually annotated 1 time for cluster H2.

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

Gene Information:

Gene: Barnyard_17 Start: 8976, Stop: 9416, Start Num: 3
Candidate Starts for Barnyard_17:
(Start: 3 @8976 has 4 MA's), (10, 9072), (11, 9096), (16, 9138), (30, 9357), (34, 9393),

Gene: Beckerton_11 Start: 8047, Stop: 8505, Start Num: 1
Candidate Starts for Beckerton_11:
(Start: 1 @8047 has 9 MA's), (8, 8128), (9, 8137), (27, 8374), (28, 8398), (32, 8464), (35, 8500),

Gene: Beyoncage_8 Start: 5498, Stop: 5872, Start Num: 7
Candidate Starts for Beyoncage_8:
(Start: 7 @5498 has 8 MA's), (20, 5645), (27, 5732), (34, 5834),

Gene: BiteSize_8 Start: 5498, Stop: 5872, Start Num: 7
Candidate Starts for BiteSize_8:
(Start: 7 @5498 has 8 MA's), (20, 5645), (27, 5732), (34, 5834),

Gene: BobtimousPrime_10 Start: 8057, Stop: 8425, Start Num: 9
Candidate Starts for BobtimousPrime_10:
(Start: 1 @7967 has 9 MA's), (8, 8048), (9, 8057), (13, 8111), (27, 8294), (28, 8318), (32, 8384), (35, 8420),

Gene: Cborch11_12 Start: 7512, Stop: 7970, Start Num: 1
Candidate Starts for Cborch11_12:
(Start: 1 @7512 has 9 MA's), (8, 7593), (9, 7602), (27, 7839), (28, 7863), (32, 7929), (35, 7965),

Gene: Damien_11 Start: 7512, Stop: 7970, Start Num: 1
Candidate Starts for Damien_11:
(Start: 1 @7512 has 9 MA's), (8, 7593), (9, 7602), (27, 7839), (28, 7863), (32, 7929), (35, 7965),

Gene: Demikore_19 Start: 10518, Stop: 10958, Start Num: 3
Candidate Starts for Demikore_19:
(Start: 3 @10518 has 4 MA's), (4, 10527), (14, 10650), (15, 10665), (21, 10740), (22, 10752), (26, 10815), (29, 10872), (32, 10911),

Gene: Djokovic_8 Start: 5498, Stop: 5872, Start Num: 7
Candidate Starts for Djokovic_8:
(Start: 7 @5498 has 8 MA's), (20, 5645), (27, 5732), (34, 5834),

Gene: DrLupo_19 Start: 9386, Stop: 9832, Start Num: 2
Candidate Starts for DrLupo_19:
(Start: 2 @9386 has 1 MA's), (Start: 3 @9392 has 4 MA's), (5, 9434), (6, 9443), (10, 9488), (11, 9512), (16, 9554), (26, 9695), (30, 9773), (33, 9794), (35, 9827),

Gene: Konstantine_16 Start: 8711, Stop: 9169, Start Num: 1
Candidate Starts for Konstantine_16:
(Start: 1 @8711 has 9 MA's), (8, 8792), (9, 8801), (27, 9038), (28, 9062), (32, 9128), (35, 9164),

Gene: Labelle_18 Start: 10520, Stop: 10960, Start Num: 3
Candidate Starts for Labelle_18:
(Start: 3 @10520 has 4 MA's), (4, 10529), (14, 10652), (15, 10667), (21, 10742), (22, 10754), (26, 10817), (29, 10874), (32, 10913),

Gene: LilyPad_9 Start: 6255, Stop: 6629, Start Num: 7
Candidate Starts for LilyPad_9:
(Start: 7 @6255 has 8 MA's), (16, 6360), (22, 6429), (23, 6444), (24, 6453), (25, 6480), (34, 6591), (36, 6612),

Gene: Madi_8 Start: 5498, Stop: 5872, Start Num: 7
Candidate Starts for Madi_8:
(Start: 7 @5498 has 8 MA's), (20, 5645), (27, 5732), (34, 5834),

Gene: Madruga_17 Start: 10188, Stop: 10628, Start Num: 3
Candidate Starts for Madruga_17:
(Start: 3 @10188 has 4 MA's), (4, 10197), (14, 10320), (15, 10335), (21, 10410), (22, 10422), (26, 10485), (29, 10542), (32, 10581),

Gene: Megatron06_13 Start: 8047, Stop: 8505, Start Num: 1
Candidate Starts for Megatron06_13:
(Start: 1 @8047 has 9 MA's), (8, 8128), (9, 8137), (27, 8374), (28, 8398), (32, 8464), (35, 8500),

Gene: Oaker_11 Start: 7768, Stop: 8226, Start Num: 1
Candidate Starts for Oaker_11:
(Start: 1 @7768 has 9 MA's), (8, 7849), (9, 7858), (13, 7912), (27, 8095), (28, 8119), (32, 8185), (35, 8221),

Gene: Patience_19 Start: 11079, Stop: 11519, Start Num: 3
Candidate Starts for Patience_19:
(Start: 3 @11079 has 4 MA's), (4, 11088), (14, 11211), (15, 11226), (21, 11301), (22, 11313), (26, 11376), (29, 11433), (32, 11472),

Gene: Phreeze_11 Start: 7512, Stop: 7970, Start Num: 1
Candidate Starts for Phreeze_11:
(Start: 1 @7512 has 9 MA's), (8, 7593), (9, 7602), (13, 7656), (27, 7839), (28, 7863), (32, 7929), (35, 7965),

Gene: Predator_15 Start: 9029, Stop: 9472, Start Num: 1
Candidate Starts for Predator_15:
(Start: 1 @9029 has 9 MA's), (9, 9119), (11, 9164), (12, 9170), (18, 9221), (27, 9341),

Gene: Puissant_10 Start: 8011, Stop: 8388, Start Num: 8
Candidate Starts for Puissant_10:
(Start: 1 @7930 has 9 MA's), (8, 8011), (9, 8020), (16, 8107), (27, 8257), (28, 8281), (32, 8347), (35, 8383),

Gene: Sienna_8 Start: 5498, Stop: 5872, Start Num: 7
Candidate Starts for Sienna_8:
(Start: 7 @5498 has 8 MA's), (20, 5645), (27, 5732), (34, 5834),

Gene: SuperSonics_18 Start: 10246, Stop: 10686, Start Num: 3

Candidate Starts for SuperSonics_18:
(Start: 3 @10246 has 4 MA's), (4, 10255), (14, 10378), (15, 10393), (21, 10468), (22, 10480), (26, 10543), (29, 10600), (32, 10639),

Gene: Suzy_9 Start: 6741, Stop: 7115, Start Num: 7
Candidate Starts for Suzy_9:
(Start: 7 @6741 has 8 MA's), (16, 6846), (17, 6852), (19, 6867), (26, 6969), (31, 7047), (34, 7077),

Gene: Terapin_8 Start: 5498, Stop: 5872, Start Num: 7
Candidate Starts for Terapin_8:
(Start: 7 @5498 has 8 MA's), (20, 5645), (27, 5732), (34, 5834),

Gene: Thumb_11 Start: 7513, Stop: 7971, Start Num: 1
Candidate Starts for Thumb_11:
(Start: 1 @7513 has 9 MA's), (8, 7594), (9, 7603), (13, 7657), (27, 7840), (28, 7864), (32, 7930), (35, 7966),