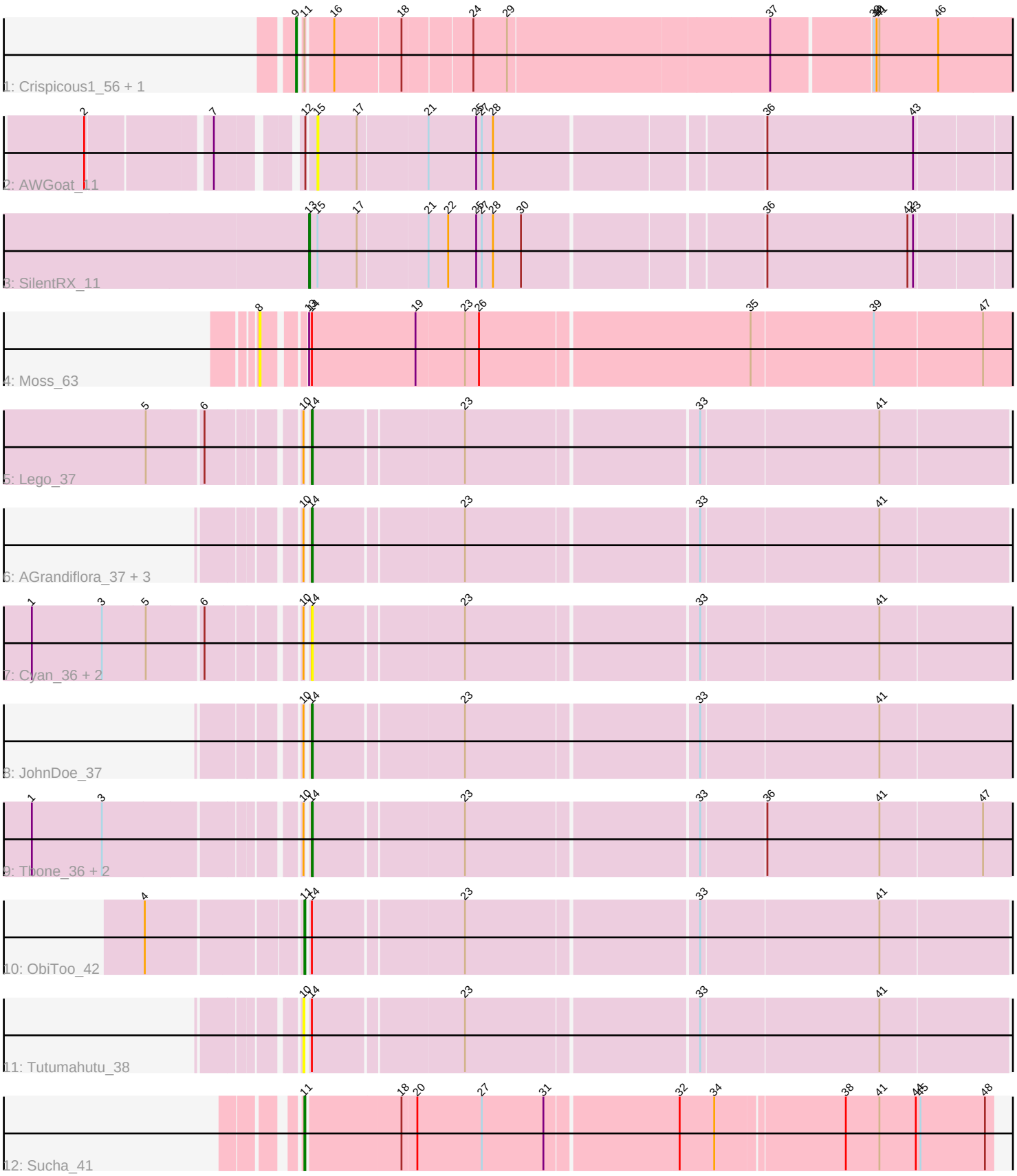
Pham 5024


1: Crispicous1_56 + 1
2: AWGoat_11
3: SilentRX_11
4: Moss_63
5: Lego_37
6: AGrandiflora_37 + 3
7: Cyan_36 + 2
8: JohnDoe_37
9: Tbone_36 + 2
10: ObiToo_42
11: Tutumahutu_38
12: Sucha_41

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 5024 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5024 has 20 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Crispicous1_56, CactusRose_57
• Track 2 : AWGoat_11
• Track 3 : SilentRX_11
• Track 4 : Moss_63
• Track 5 : Lego_37
• Track 6 : AGrandiflora_37, Powerpuff_39, Kaylissa_37, YesChef_37
• Track 7 : Cyan_36, Joemato_38, Simpson_39
• Track 8 : JohnDoe_37
• Track 9 : Tbone_36, Mudpuppy_36, Warda_37
• Track 10 : ObiToo_42
• Track 11 : Tutumahutu_38
• Track 12 : Sucha_41

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

The start number called the most often in the published annotations is 14, it was called in 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AGrandiflora_37, Cyan_36, Joemato_38, JohnDoe_37, Kaylissa_37, Lego_37, Mudpuppy_36, Powerpuff_39, Simpson_39, Tbone_36, Warda_37, YesChef_37,

Genes that have the "Most Annotated" start but do not call it:
• Moss_63, ObiToo_42, Tutumahutu_38,

Genes that do not have the "Most Annotated" start:
• AWGoat_11, CactusRose_57, Crispicous1_56, SilentRX_11, Sucha_41,

Summary by start number:

Start 8:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Moss_63 (AZ),

Start 9:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CactusRose_57 (A1), Crispicous1_56 (A1),

Start 10:
• Found in 13 of 20 (65.0%) of genes in pham
• No Manual Annotations of this start.
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Tutumahutu_38 (AZ1),

Start 11:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ObiToo_42 (AZ1), Sucha_41 (EJ),

Start 13:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 50.0% of time when present
• Phage (with cluster) where this start called: SilentRX_11 (AP4),

Start 14:
• Found in 15 of 20 (75.0%) of genes in pham
• Manual Annotations of this start: 7 of 12
• Called 80.0% of time when present
• Phage (with cluster) where this start called: AGrandiflora_37 (AZ1), Cyan_36 (AZ1), Joemato_38 (AZ1), JohnDoe_37 (AZ1), Kaylissa_37 (AZ1), Lego_37 (AZ1), Mudpuppy_36 (AZ1), Powerpuff_39 (AZ1), Simpson_39 (AZ1), Tbone_36 (AZ1), Warda_37 (AZ1), YesChef_37 (AZ1),

Start 15:
• Found in 2 of 20 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: AWGoat_11 (AP4),

Summary by clusters:

There are 5 clusters represented in this pham: A1, AZ1, AZ, AP4, EJ,

Info for manual annotations of cluster A1:
•Start number 9 was manually annotated 2 times for cluster A1.

Info for manual annotations of cluster AP4:
•Start number 13 was manually annotated 1 time for cluster AP4.

Info for manual annotations of cluster AZ1:
•Start number 11 was manually annotated 1 time for cluster AZ1.
•Start number 14 was manually annotated 7 times for cluster AZ1.

Info for manual annotations of cluster EJ:
•Start number 11 was manually annotated 1 time for cluster EJ.

Gene Information:

Gene: AGrandiflora_37 Start: 25933, Stop: 26643, Start Num: 14
Candidate Starts for AGrandiflora_37:
(10, 25930), (Start: 14 @25933 has 7 MA's), (23, 26086), (33, 26323), (41, 26509),

Gene: AWGoat_11 Start: 4295, Stop: 5023, Start Num: 15
Candidate Starts for AWGoat_11:
(2, 4094), (7, 4214), (12, 4286), (15, 4295), (17, 4337), (21, 4409), (25, 4460), (27, 4466), (28, 4478), (36, 4751), (43, 4907),

Gene: CactusRose_57 Start: 40088, Stop: 39360, Start Num: 9
Candidate Starts for CactusRose_57:
(Start: 9 @40088 has 2 MA's), (Start: 11 @40085 has 2 MA's), (16, 40058), (18, 39989), (24, 39920), (29, 39884), (37, 39611), (39, 39509), (40, 39506), (41, 39503), (46, 39440),

Gene: Crispicous1_56 Start: 39141, Stop: 38413, Start Num: 9
Candidate Starts for Crispicous1_56:
(Start: 9 @39141 has 2 MA's), (Start: 11 @39138 has 2 MA's), (16, 39111), (18, 39042), (24, 38973), (29, 38937), (37, 38664), (39, 38562), (40, 38559), (41, 38556), (46, 38493),

Gene: Cyan_36 Start: 25989, Stop: 26702, Start Num: 14
Candidate Starts for Cyan_36:
(1, 25725), (3, 25800), (5, 25845), (6, 25902), (10, 25986), (Start: 14 @25989 has 7 MA's), (23, 26142), (33, 26379), (41, 26565),

Gene: Joemato_38 Start: 26020, Stop: 26733, Start Num: 14
Candidate Starts for Joemato_38:
(1, 25756), (3, 25831), (5, 25876), (6, 25933), (10, 26017), (Start: 14 @26020 has 7 MA's), (23, 26173), (33, 26410), (41, 26596),

Gene: JohnDoe_37 Start: 26012, Stop: 26725, Start Num: 14
Candidate Starts for JohnDoe_37:
(10, 26009), (Start: 14 @26012 has 7 MA's), (23, 26165), (33, 26402), (41, 26588),

Gene: Kaylissa_37 Start: 25954, Stop: 26664, Start Num: 14
Candidate Starts for Kaylissa_37:
(10, 25951), (Start: 14 @25954 has 7 MA's), (23, 26107), (33, 26344), (41, 26530),

Gene: Lego_37 Start: 25900, Stop: 26610, Start Num: 14
Candidate Starts for Lego_37:
(5, 25759), (6, 25816), (10, 25897), (Start: 14 @25900 has 7 MA's), (23, 26053), (33, 26290), (41, 26476),

Gene: Moss_63 Start: 35847, Stop: 36623, Start Num: 8
Candidate Starts for Moss_63:
(8, 35847), (Start: 13 @35883 has 1 MA's), (Start: 14 @35886 has 7 MA's), (19, 35997), (23, 36048), (26, 36063), (35, 36345), (39, 36474), (47, 36588),

Gene: Mudpuppy_36 Start: 25767, Stop: 26480, Start Num: 14
Candidate Starts for Mudpuppy_36:
(1, 25503), (3, 25578), (10, 25764), (Start: 14 @25767 has 7 MA's), (23, 25920), (33, 26157), (36, 26223), (41, 26343), (47, 26451),

Gene: ObiToo_42 Start: 26828, Stop: 27541, Start Num: 11
Candidate Starts for ObiToo_42:
(4, 26675), (Start: 11 @26828 has 2 MA's), (Start: 14 @26831 has 7 MA's), (23, 26984), (33, 27221), (41, 27407),

Gene: Powerpuff_39 Start: 27103, Stop: 27813, Start Num: 14
Candidate Starts for Powerpuff_39:
(10, 27100), (Start: 14 @27103 has 7 MA's), (23, 27256), (33, 27493), (41, 27679),

Gene: SilentRX_11 Start: 3891, Stop: 4628, Start Num: 13
Candidate Starts for SilentRX_11:
(Start: 13 @3891 has 1 MA's), (15, 3900), (17, 3942), (21, 4014), (22, 4035), (25, 4065), (27, 4071), (28, 4083), (30, 4113), (36, 4356), (42, 4506), (43, 4512),

Gene: Simpson_39 Start: 26020, Stop: 26733, Start Num: 14
Candidate Starts for Simpson_39:
(1, 25756), (3, 25831), (5, 25876), (6, 25933), (10, 26017), (Start: 14 @26020 has 7 MA's), (23, 26173), (33, 26410), (41, 26596),

Gene: Sucha_41 Start: 26232, Stop: 26936, Start Num: 11
Candidate Starts for Sucha_41:
(Start: 11 @26232 has 2 MA's), (18, 26328), (20, 26343), (27, 26412), (31, 26478), (32, 26613), (34, 26649), (38, 26781), (41, 26817), (44, 26856), (45, 26859), (48, 26928),

Gene: Tbone_36 Start: 25815, Stop: 26528, Start Num: 14
Candidate Starts for Tbone_36:
(1, 25551), (3, 25626), (10, 25812), (Start: 14 @25815 has 7 MA's), (23, 25968), (33, 26205), (36, 26271), (41, 26391), (47, 26499),

Gene: Tutumahutu_38 Start: 25982, Stop: 26695, Start Num: 10
Candidate Starts for Tutumahutu_38:
(10, 25982), (Start: 14 @25985 has 7 MA's), (23, 26138), (33, 26375), (41, 26561),

Gene: Warda_37 Start: 25991, Stop: 26704, Start Num: 14
Candidate Starts for Warda_37:
(1, 25727), (3, 25802), (10, 25988), (Start: 14 @25991 has 7 MA's), (23, 26144), (33, 26381), (36, 26447), (41, 26567), (47, 26675),

Gene: YesChef_37 Start: 25962, Stop: 26672, Start Num: 14
Candidate Starts for YesChef_37:
(10, 25959), (Start: 14 @25962 has 7 MA's), (23, 26115), (33, 26352), (41, 26538),