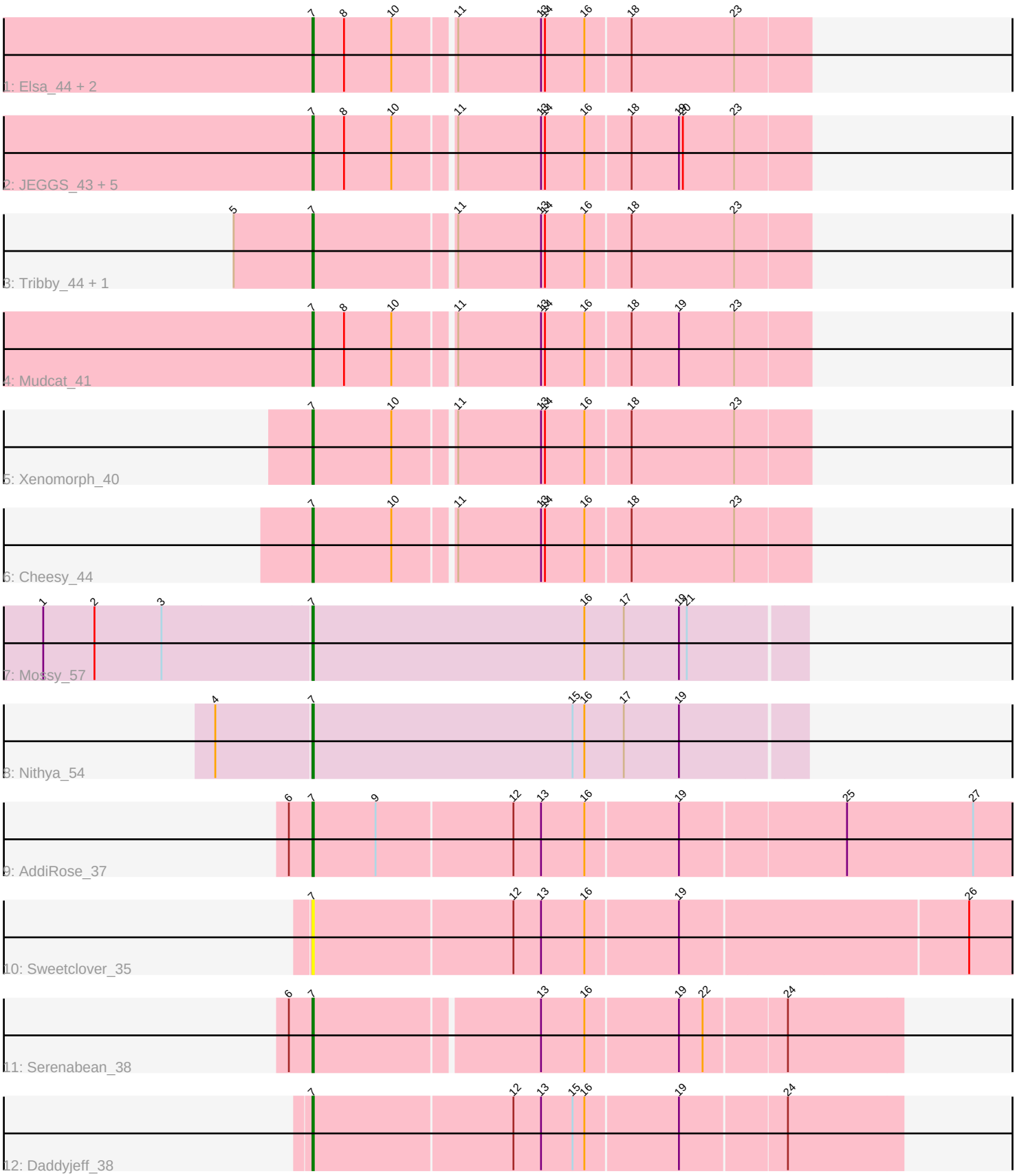
Pham 216588


1: Elsa_44 + 2
2: JEGGS_43 + 5
3: Tribby_44 + 1
4: Mudcat_41
5: Xenomorph_40
6: Cheesy_44
7: Mossy_57
8: Nithya_54
9: AddiRose_37
10: Sweetclover_35
11: Serenabean_38
12: Daddyjeff_38

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 216588 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216588 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Elsa_44, Arcadia_44, Nason_44
• Track 2 : JEGGS_43, Benllo_43, Mooshroom_46, BenitoAntonio_44, Heisenberger_43, Kardesai_45
• Track 3 : Tribby_44, Correa_42
• Track 4 : Mudcat_41
• Track 5 : Xenomorph_40
• Track 6 : Cheesy_44
• Track 7 : Mossy_57
• Track 8 : Nithya_54
• Track 9 : AddiRose_37
• Track 10 : Sweetclover_35
• Track 11 : Serenabean_38
• Track 12 : Daddyjeff_38

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AddiRose_37, Arcadia_44, BenitoAntonio_44, Benllo_43, Cheesy_44, Correa_42, Daddyjeff_38, Elsa_44, Heisenberger_43, JEGGS_43, Kardesai_45, Mooshroom_46, Mossy_57, Mudcat_41, Nason_44, Nithya_54, Serenabean_38, Sweetclover_35, Tribby_44, Xenomorph_40,

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

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

Summary by start number:

Start 7:

• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AddiRose_37 (JA), Arcadia_44 (AM), BenitoAntonio_44 (AM), Benllo_43 (AM), Cheesy_44 (AM), Correa_42 (AM), Daddyjeff_38 (JA), Elsa_44 (AM), Heisenberger_43 (AM), JEGGS_43 (AM), Kardesai_45 (AM), Mooshroom_46 (AM), Mossy_57 (DJ), Mudcat_41 (AM), Nason_44 (AM), Nithya_54 (DJ), Serenabean_38 (JA), Sweetclover_35 (JA), Tribby_44 (AM), Xenomorph_40 (AM),

Summary by clusters:

There are 3 clusters represented in this pham: AM, DJ, JA,

Info for manual annotations of cluster AM:
•Start number 7 was manually annotated 13 times for cluster AM.

Info for manual annotations of cluster DJ:
•Start number 7 was manually annotated 2 times for cluster DJ.

Info for manual annotations of cluster JA:
•Start number 7 was manually annotated 3 times for cluster JA.

Gene Information:

Gene: AddiRose_37 Start: 28177, Stop: 28773, Start Num: 7
Candidate Starts for AddiRose_37:
(6, 28159), (Start: 7 @28177 has 18 MA's), (9, 28225), (12, 28327), (13, 28348), (16, 28381), (19, 28450), (25, 28573), (27, 28669),

Gene: Arcadia_44 Start: 30490, Stop: 30855, Start Num: 7
Candidate Starts for Arcadia_44:
(Start: 7 @30490 has 18 MA's), (8, 30514), (10, 30550), (11, 30592), (13, 30655), (14, 30658), (16, 30688), (18, 30721), (23, 30799),

Gene: BenitoAntonio_44 Start: 30067, Stop: 30432, Start Num: 7
Candidate Starts for BenitoAntonio_44:
(Start: 7 @30067 has 18 MA's), (8, 30091), (10, 30127), (11, 30169), (13, 30232), (14, 30235), (16, 30265), (18, 30298), (19, 30334), (20, 30337), (23, 30376),

Gene: Benllo_43 Start: 30751, Stop: 31116, Start Num: 7
Candidate Starts for Benllo_43:
(Start: 7 @30751 has 18 MA's), (8, 30775), (10, 30811), (11, 30853), (13, 30916), (14, 30919), (16, 30949), (18, 30982), (19, 31018), (20, 31021), (23, 31060),

Gene: Cheesy_44 Start: 30188, Stop: 30553, Start Num: 7
Candidate Starts for Cheesy_44:
(Start: 7 @30188 has 18 MA's), (10, 30248), (11, 30290), (13, 30353), (14, 30356), (16, 30386), (18, 30419), (23, 30497),

Gene: Correa_42 Start: 29373, Stop: 29738, Start Num: 7

Candidate Starts for Correa_42:
(5, 29313), (Start: 7 @29373 has 18 MA's), (11, 29475), (13, 29538), (14, 29541), (16, 29571), (18, 29604), (23, 29682),

Gene: Daddyjeff_38 Start: 28404, Stop: 28841, Start Num: 7
Candidate Starts for Daddyjeff_38:
(Start: 7 @28404 has 18 MA's), (12, 28554), (13, 28575), (15, 28599), (16, 28608), (19, 28677), (24, 28755),

Gene: Elsa_44 Start: 30490, Stop: 30855, Start Num: 7
Candidate Starts for Elsa_44:
(Start: 7 @30490 has 18 MA's), (8, 30514), (10, 30550), (11, 30592), (13, 30655), (14, 30658), (16, 30688), (18, 30721), (23, 30799),

Gene: Heisenberger_43 Start: 29931, Stop: 30296, Start Num: 7
Candidate Starts for Heisenberger_43:
(Start: 7 @29931 has 18 MA's), (8, 29955), (10, 29991), (11, 30033), (13, 30096), (14, 30099), (16, 30129), (18, 30162), (19, 30198), (20, 30201), (23, 30240),

Gene: JEGGS_43 Start: 29985, Stop: 30350, Start Num: 7
Candidate Starts for JEGGS_43:
(Start: 7 @29985 has 18 MA's), (8, 30009), (10, 30045), (11, 30087), (13, 30150), (14, 30153), (16, 30183), (18, 30216), (19, 30252), (20, 30255), (23, 30294),

Gene: Kardesai_45 Start: 30651, Stop: 31016, Start Num: 7
Candidate Starts for Kardesai_45:
(Start: 7 @30651 has 18 MA's), (8, 30675), (10, 30711), (11, 30753), (13, 30816), (14, 30819), (16, 30849), (18, 30882), (19, 30918), (20, 30921), (23, 30960),

Gene: Mooshroom_46 Start: 30651, Stop: 31016, Start Num: 7
Candidate Starts for Mooshroom_46:
(Start: 7 @30651 has 18 MA's), (8, 30675), (10, 30711), (11, 30753), (13, 30816), (14, 30819), (16, 30849), (18, 30882), (19, 30918), (20, 30921), (23, 30960),

Gene: Mossy_57 Start: 39044, Stop: 39415, Start Num: 7
Candidate Starts for Mossy_57:
(1, 38843), (2, 38882), (3, 38933), (Start: 7 @39044 has 18 MA's), (16, 39251), (17, 39281), (19, 39323), (21, 39329),

Gene: Mudcat_41 Start: 31344, Stop: 31709, Start Num: 7
Candidate Starts for Mudcat_41:
(Start: 7 @31344 has 18 MA's), (8, 31368), (10, 31404), (11, 31446), (13, 31509), (14, 31512), (16, 31542), (18, 31575), (19, 31611), (23, 31653),

Gene: Nason_44 Start: 30490, Stop: 30855, Start Num: 7
Candidate Starts for Nason_44:
(Start: 7 @30490 has 18 MA's), (8, 30514), (10, 30550), (11, 30592), (13, 30655), (14, 30658), (16, 30688), (18, 30721), (23, 30799),

Gene: Nithya_54 Start: 37126, Stop: 37497, Start Num: 7
Candidate Starts for Nithya_54:
(4, 37054), (Start: 7 @37126 has 18 MA's), (15, 37324), (16, 37333), (17, 37363), (19, 37405),

Gene: Serenabean_38 Start: 28434, Stop: 28865, Start Num: 7
Candidate Starts for Serenabean_38:
(6, 28416), (Start: 7 @28434 has 18 MA's), (13, 28599), (16, 28632), (19, 28701), (22, 28719), (24, 28779),

Gene: Sweetclover_35 Start: 27300, Stop: 27821, Start Num: 7
Candidate Starts for Sweetclover_35:
(Start: 7 @27300 has 18 MA's), (12, 27450), (13, 27471), (16, 27504), (19, 27573), (26, 27786),

Gene: Tribby_44 Start: 30206, Stop: 30571, Start Num: 7
Candidate Starts for Tribby_44:
(5, 30146), (Start: 7 @30206 has 18 MA's), (11, 30308), (13, 30371), (14, 30374), (16, 30404), (18, 30437), (23, 30515),

Gene: Xenomorph_40 Start: 29917, Stop: 30282, Start Num: 7
Candidate Starts for Xenomorph_40:
(Start: 7 @29917 has 18 MA's), (10, 29977), (11, 30019), (13, 30082), (14, 30085), (16, 30115), (18, 30148), (23, 30226),