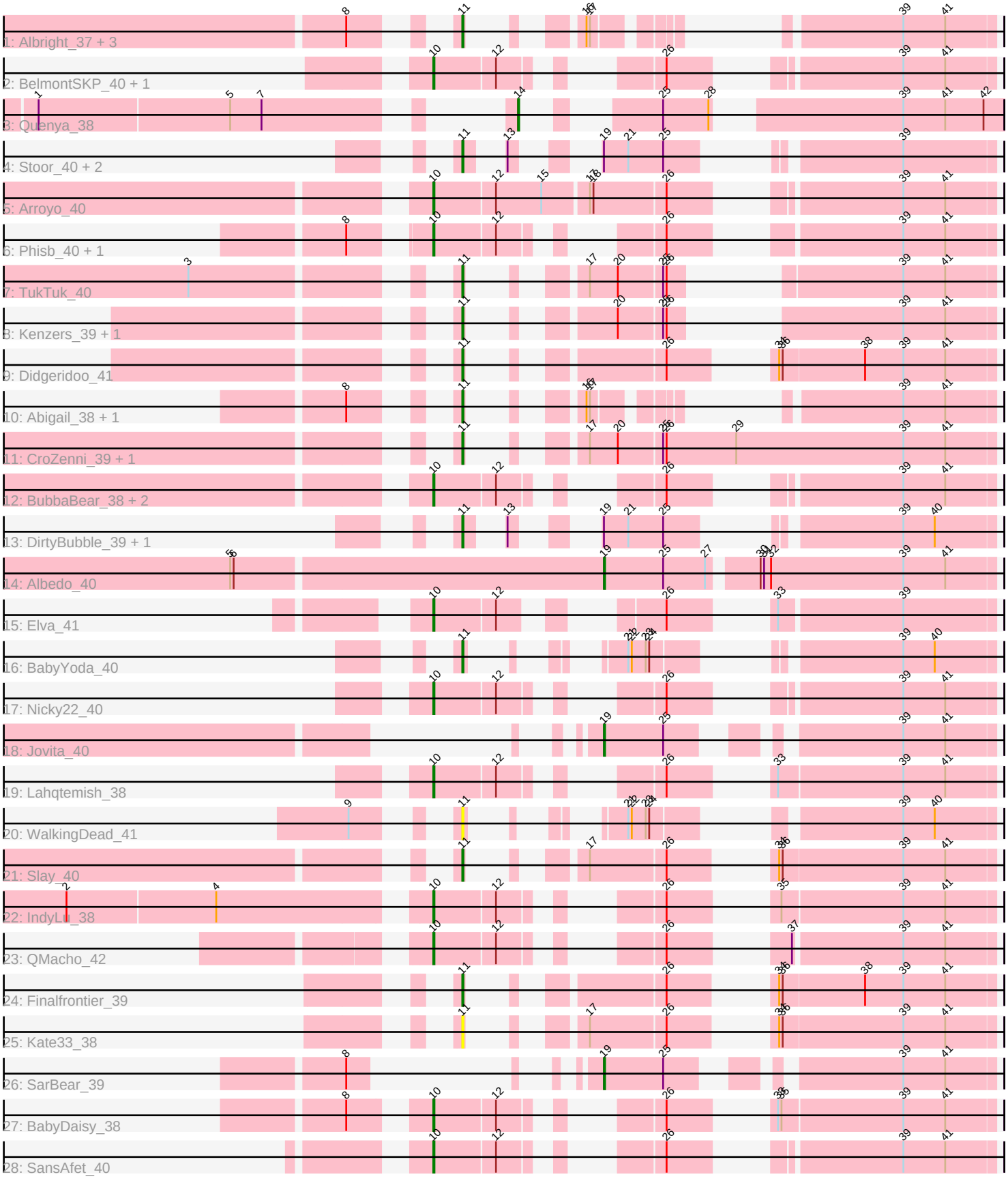
Pham 192707


1: Albright_37 + 3
2: BelmontSKP_40 + 1
3: Quenya_38
4: Stoor_40 + 2
5: Arroyo_40
6: Phisb_40 + 1
7: TukTuk_40
8: Kenzers_39 + 1
9: Didgeridoo_41
10: Abigail_38 + 1
11: CroZenni_39 + 1
12: BubbaBear_38 + 2
13: DirtyBubble_39 + 1
14: Albedo_40
15: Elva_41
16: BabyYoda_40
17: Nicky22_40
18: Jovita_40
19: Lahqtemish_38
20: WalkingDead_41
21: Slay_40
22: IndyLui_38
23: QMacho_42
24: Finalfrontier_39
25: Kate33_38
26: SarBear_39
27: BabyDaisy_38
28: SansAfet_40

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 192707 Report

This analysis was run 11/02/24 on database version 579.

Pham number 192707 has 41 members, 3 are drafts.

Phages represented in each track:
- Track 1 : Albright_37, Cashington_37, Doobus_38, Avocadoman_38
- Track 2 : BelmontSKP_40, AnnaLie_40
- Track 3 : Quenya_38
- Track 4 : Stoor_40, SanaSana_42, Icarian_42
- Track 5 : Arroyo_40
- Track 6 : Phisb_40, Swervy_40
- Track 7 : TukTuk_40
- Track 8 : Kenzers_39, Lynlen_39
- Track 9 : Didgeridoo_41
- Track 10 : Abigail_38, LimaBean_38
- Track 11 : CroZenni_39, DickRichards_38
- Track 12 : BubbaBear_38, Burritobowl_39, Eula_40
- Track 13 : DirtyBubble_39, Stromboli_40
- Track 14 : Albedo_40
- Track 15 : Elva_41
- Track 16 : BabyYoda_40
- Track 17 : Nicky22_40
- Track 18 : Jovita_40
- Track 19 : Lahqtemish_38
- Track 20 : WalkingDead_41
- Track 21 : Slay_40
- Track 22 : IndyLu_38
- Track 23 : QMacho_42
- Track 24 : Finalfrontier_39
- Track 25 : Kate33_38
- Track 26 : SarBear_39
- Track 27 : BabyDaisy_38
- Track 28 : SansAfet_40

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

The start number called the most often in the published annotations is 11, it was called in 19 of the 38 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_38, Albright_37, Avocadoman_38, BabyYoda_40, Cashington_37, CroZenni_39, DickRichards_38, Didgeridoo_41, DirtyBubble_39, Doobus_38, Finalfrontier_39, Icarian_42, Kate33_38, Kenzers_39, LimaBean_38, Lynlen_39, SanaSana_42, Slay_40, Stoor_40, Stromboli_40, TukTuk_40, WalkingDead_41,

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

Genes that do not have the "Most Annotated" start:
• Albedo_40, AnnaLie_40, Arroyo_40, BabyDaisy_38, BelmontSKP_40, BubbaBear_38, Burritobowl_39, Elva_41, Eula_40, IndyLu_38, Jovita_40, Lahqtemish_38, Nicky22_40, Phisb_40, QMacho_42, Quenya_38, SansAfet_40, SarBear_39, Swervy_40,

Summary by start number:

Start 10:
• Found in 15 of 41 (36.6%) of genes in pham
• Manual Annotations of this start: 15 of 38
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnnaLie_40 (EB), Arroyo_40 (EB), BabyDaisy_38 (EB), BelmontSKP_40 (EB), BubbaBear_38 (EB), Burritobowl_39 (EB), Elva_41 (EB), Eula_40 (EB), IndyLu_38 (EB), Lahqtemish_38 (EB), Nicky22_40 (EB), Phisb_40 (EB), QMacho_42 (EB), SansAfet_40 (EB), Swervy_40 (EB),

Start 11:
• Found in 22 of 41 (53.7%) of genes in pham
• Manual Annotations of this start: 19 of 38
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abigail_38 (EB), Albright_37 (EB), Avocadoman_38 (EB), BabyYoda_40 (EB), Cashington_37 (EB), CroZenni_39 (EB), DickRichards_38 (EB), Didgeridoo_41 (EB), DirtyBubble_39 (EB), Doobus_38 (EB), Finalfrontier_39 (EB), Icarian_42 (EB), Kate33_38 (EB), Kenzers_39 (EB), LimaBean_38 (EB), Lynlen_39 (EB), SanaSana_42 (EB), Slay_40 (EB), Stoor_40 (EB), Stromboli_40 (EB), TukTuk_40 (EB), WalkingDead_41 (EB),

Start 14:
• Found in 1 of 41 (2.4%) of genes in pham
• Manual Annotations of this start: 1 of 38
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Quenya_38 (EB),

Start 19:
• Found in 8 of 41 (19.5%) of genes in pham
• Manual Annotations of this start: 3 of 38
• Called 37.5% of time when present
• Phage (with cluster) where this start called: Albedo_40 (EB), Jovita_40 (EB), SarBear_39 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 10 was manually annotated 15 times for cluster EB.
•Start number 11 was manually annotated 19 times for cluster EB.
•Start number 14 was manually annotated 1 time for cluster EB.
•Start number 19 was manually annotated 3 times for cluster EB.

Gene Information:

Gene: Abigail_38 Start: 25955, Stop: 26224, Start Num: 11
Candidate Starts for Abigail_38:
(8, 25907), (Start: 11 @25955 has 19 MA's), (16, 25991), (17, 25994), (39, 26147), (41, 26183),

Gene: Albedo_40 Start: 26678, Stop: 27001, Start Num: 19
Candidate Starts for Albedo_40:
(5, 26366), (6, 26369), (Start: 19 @26678 has 3 MA's), (25, 26729), (27, 26765), (30, 26801), (31, 26804), (32, 26810), (39, 26924), (41, 26960),

Gene: Albright_37 Start: 25657, Stop: 25926, Start Num: 11
Candidate Starts for Albright_37:
(8, 25609), (Start: 11 @25657 has 19 MA's), (16, 25693), (17, 25696), (39, 25849), (41, 25885),

Gene: AnnaLie_40 Start: 26779, Stop: 27129, Start Num: 10
Candidate Starts for AnnaLie_40:
(Start: 10 @26779 has 15 MA's), (12, 26830), (26, 26908), (39, 27052), (41, 27088),

Gene: Arroyo_40 Start: 26818, Stop: 27228, Start Num: 10
Candidate Starts for Arroyo_40:
(Start: 10 @26818 has 15 MA's), (12, 26869), (15, 26908), (17, 26944), (18, 26947), (26, 27007), (39, 27151), (41, 27187),

Gene: Avocadoman_38 Start: 25894, Stop: 26163, Start Num: 11
Candidate Starts for Avocadoman_38:
(8, 25846), (Start: 11 @25894 has 19 MA's), (16, 25930), (17, 25933), (39, 26086), (41, 26122),

Gene: BabyDaisy_38 Start: 26417, Stop: 26773, Start Num: 10
Candidate Starts for BabyDaisy_38:
(8, 26369), (Start: 10 @26417 has 15 MA's), (12, 26468), (26, 26546), (33, 26591), (35, 26594), (39, 26696), (41, 26732),

Gene: BabyYoda_40 Start: 27560, Stop: 27835, Start Num: 11
Candidate Starts for BabyYoda_40:
(Start: 11 @27560 has 19 MA's), (21, 27602), (22, 27605), (23, 27617), (24, 27620), (39, 27758), (40, 27785),

Gene: BelmontSKP_40 Start: 26779, Stop: 27129, Start Num: 10
Candidate Starts for BelmontSKP_40:
(Start: 10 @26779 has 15 MA's), (12, 26830), (26, 26908), (39, 27052), (41, 27088),

Gene: BubbaBear_38 Start: 26352, Stop: 26702, Start Num: 10
Candidate Starts for BubbaBear_38:

(Start: 10 @26352 has 15 MA's), (12, 26403), (26, 26481), (39, 26625), (41, 26661),

Gene: Burritobowl_39 Start: 26353, Stop: 26703, Start Num: 10
Candidate Starts for Burritobowl_39:
(Start: 10 @26353 has 15 MA's), (12, 26404), (26, 26482), (39, 26626), (41, 26662),

Gene: Cashington_37 Start: 25697, Stop: 25966, Start Num: 11
Candidate Starts for Cashington_37:
(8, 25649), (Start: 11 @25697 has 19 MA's), (16, 25733), (17, 25736), (39, 25889), (41, 25925),

Gene: CroZenni_39 Start: 26240, Stop: 26623, Start Num: 11
Candidate Starts for CroZenni_39:
(Start: 11 @26240 has 19 MA's), (17, 26279), (20, 26303), (25, 26339), (26, 26342), (29, 26402), (39, 26546), (41, 26582),

Gene: DickRichards_38 Start: 26679, Stop: 27062, Start Num: 11
Candidate Starts for DickRichards_38:
(Start: 11 @26679 has 19 MA's), (17, 26718), (20, 26742), (25, 26778), (26, 26781), (29, 26841), (39, 26985), (41, 27021),

Gene: Didgeridoo_41 Start: 26825, Stop: 27154, Start Num: 11
Candidate Starts for Didgeridoo_41:
(Start: 11 @26825 has 19 MA's), (26, 26927), (34, 26972), (36, 26975), (38, 27044), (39, 27077), (41, 27113),

Gene: DirtyBubble_39 Start: 27207, Stop: 27503, Start Num: 11
Candidate Starts for DirtyBubble_39:
(Start: 11 @27207 has 19 MA's), (13, 27219), (Start: 19 @27246 has 3 MA's), (21, 27267), (25, 27297), (39, 27426), (40, 27453),

Gene: Doobus_38 Start: 26061, Stop: 26330, Start Num: 11
Candidate Starts for Doobus_38:
(8, 26013), (Start: 11 @26061 has 19 MA's), (16, 26097), (17, 26100), (39, 26253), (41, 26289),

Gene: Elva_41 Start: 27269, Stop: 27622, Start Num: 10
Candidate Starts for Elva_41:
(Start: 10 @27269 has 15 MA's), (12, 27320), (26, 27398), (33, 27443), (39, 27545),

Gene: Eula_40 Start: 26454, Stop: 26804, Start Num: 10
Candidate Starts for Eula_40:
(Start: 10 @26454 has 15 MA's), (12, 26505), (26, 26583), (39, 26727), (41, 26763),

Gene: Finalfrontier_39 Start: 27068, Stop: 27397, Start Num: 11
Candidate Starts for Finalfrontier_39:
(Start: 11 @27068 has 19 MA's), (26, 27170), (34, 27215), (36, 27218), (38, 27287), (39, 27320), (41, 27356),

Gene: Icarian_42 Start: 27843, Stop: 28139, Start Num: 11
Candidate Starts for Icarian_42:
(Start: 11 @27843 has 19 MA's), (13, 27855), (Start: 19 @27882 has 3 MA's), (21, 27903), (25, 27933), (39, 28062),

Gene: IndyLu_38 Start: 26383, Stop: 26739, Start Num: 10

Candidate Starts for IndyLu_38:
(2, 26098), (4, 26224), (Start: 10 @26383 has 15 MA's), (12, 26434), (26, 26512), (35, 26560), (39, 26662), (41, 26698),

Gene: Jovita_40 Start: 26556, Stop: 26837, Start Num: 19
Candidate Starts for Jovita_40:
(Start: 19 @26556 has 3 MA's), (25, 26607), (39, 26760), (41, 26796),

Gene: Kate33_38 Start: 26148, Stop: 26477, Start Num: 11
Candidate Starts for Kate33_38:
(Start: 11 @26148 has 19 MA's), (17, 26187), (26, 26250), (34, 26295), (36, 26298), (39, 26400), (41, 26436),

Gene: Kenzers_39 Start: 26376, Stop: 26675, Start Num: 11
Candidate Starts for Kenzers_39:
(Start: 11 @26376 has 19 MA's), (20, 26439), (25, 26475), (26, 26478), (39, 26598), (41, 26634),

Gene: Lahqtemish_38 Start: 26424, Stop: 26780, Start Num: 10
Candidate Starts for Lahqtemish_38:
(Start: 10 @26424 has 15 MA's), (12, 26475), (26, 26553), (33, 26598), (39, 26703), (41, 26739),

Gene: LimaBean_38 Start: 25833, Stop: 26102, Start Num: 11
Candidate Starts for LimaBean_38:
(8, 25785), (Start: 11 @25833 has 19 MA's), (16, 25869), (17, 25872), (39, 26025), (41, 26061),

Gene: Lynlen_39 Start: 26376, Stop: 26675, Start Num: 11
Candidate Starts for Lynlen_39:
(Start: 11 @26376 has 19 MA's), (20, 26439), (25, 26475), (26, 26478), (39, 26598), (41, 26634),

Gene: Nicky22_40 Start: 26917, Stop: 27267, Start Num: 10
Candidate Starts for Nicky22_40:
(Start: 10 @26917 has 15 MA's), (12, 26968), (26, 27046), (39, 27190), (41, 27226),

Gene: Phisb_40 Start: 26510, Stop: 26863, Start Num: 10
Candidate Starts for Phisb_40:
(8, 26462), (Start: 10 @26510 has 15 MA's), (12, 26561), (26, 26639), (39, 26786), (41, 26822),

Gene: QMacho_42 Start: 27152, Stop: 27505, Start Num: 10
Candidate Starts for QMacho_42:
(Start: 10 @27152 has 15 MA's), (12, 27203), (26, 27281), (37, 27338), (39, 27428), (41, 27464),

Gene: Quenya_38 Start: 26614, Stop: 26925, Start Num: 14
Candidate Starts for Quenya_38:
(1, 26302), (5, 26464), (7, 26491), (Start: 14 @26614 has 1 MA's), (25, 26671), (28, 26710), (39, 26839), (41, 26875), (42, 26908),

Gene: SanaSana_42 Start: 28045, Stop: 28341, Start Num: 11
Candidate Starts for SanaSana_42:
(Start: 11 @28045 has 19 MA's), (13, 28057), (Start: 19 @28084 has 3 MA's), (21, 28105), (25, 28135), (39, 28264),

Gene: SansAfet_40 Start: 26366, Stop: 26716, Start Num: 10
Candidate Starts for SansAfet_40:

(Start: 10 @26366 has 15 MA's), (12, 26417), (26, 26495), (39, 26639), (41, 26675),

Gene: SarBear_39 Start: 26231, Stop: 26512, Start Num: 19
Candidate Starts for SarBear_39:
(8, 26183), (Start: 19 @26231 has 3 MA's), (25, 26282), (39, 26435), (41, 26471),

Gene: Slay_40 Start: 26911, Stop: 27240, Start Num: 11
Candidate Starts for Slay_40:
(Start: 11 @26911 has 19 MA's), (17, 26950), (26, 27013), (34, 27058), (36, 27061), (39, 27163), (41, 27199),

Gene: Stoor_40 Start: 27714, Stop: 28010, Start Num: 11
Candidate Starts for Stoor_40:
(Start: 11 @27714 has 19 MA's), (13, 27726), (Start: 19 @27753 has 3 MA's), (21, 27774), (25, 27804), (39, 27933),

Gene: Stromboli_40 Start: 27577, Stop: 27873, Start Num: 11
Candidate Starts for Stromboli_40:
(Start: 11 @27577 has 19 MA's), (13, 27589), (Start: 19 @27616 has 3 MA's), (21, 27637), (25, 27667), (39, 27796), (40, 27823),

Gene: Swervy_40 Start: 26431, Stop: 26784, Start Num: 10
Candidate Starts for Swervy_40:
(8, 26383), (Start: 10 @26431 has 15 MA's), (12, 26482), (26, 26560), (39, 26707), (41, 26743),

Gene: TukTuk_40 Start: 26501, Stop: 26797, Start Num: 11
Candidate Starts for TukTuk_40:
(3, 26327), (Start: 11 @26501 has 19 MA's), (17, 26540), (20, 26564), (25, 26600), (26, 26603), (39, 26720), (41, 26756),

Gene: WalkingDead_41 Start: 27970, Stop: 28248, Start Num: 11
Candidate Starts for WalkingDead_41:
(9, 27925), (Start: 11 @27970 has 19 MA's), (21, 28012), (22, 28015), (23, 28027), (24, 28030), (39, 28171), (40, 28198),