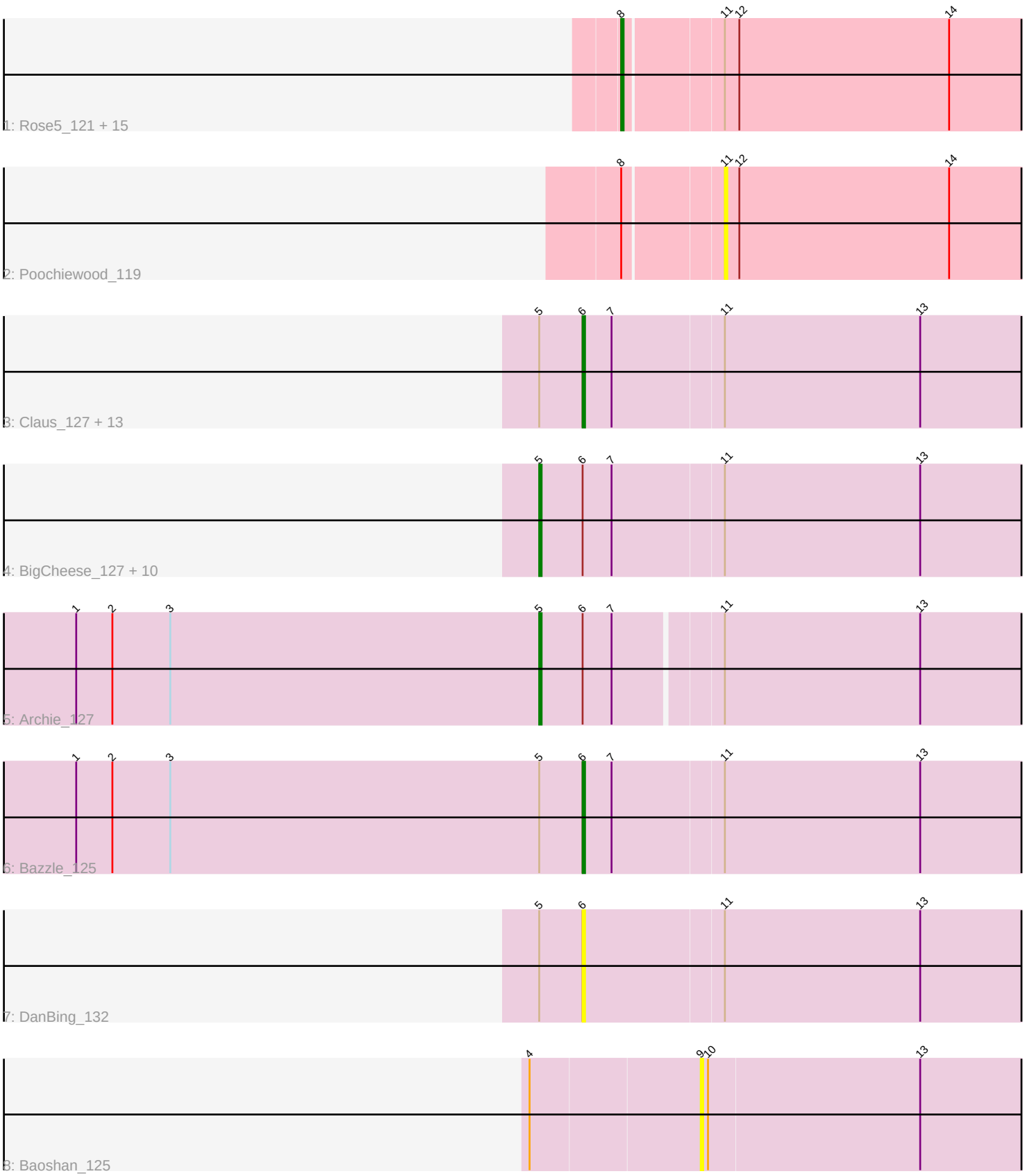
Pham 283929


8
11
12
14
1: Rose5_121 + 15
8
11
12
14
2: Poochiewood_119
5
6
7
11
13
3: Claus_127 + 13
5
6
7
11
13
4: BigCheese_127 + 10
1
2
3
5
6
7
11
13
5: Archie_127
1
2
3
5
6
7
11
13
6: Bazzle_125
5
6
11
13
7: DanBing_132
4
9
10
13
8: Baoshan_125

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 283929 Report

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

Pham number 283929 has 46 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Rose5_121, Acquire49_120, MAckerman_121, Calm_127, CicholasNage_114, UPIE_119, AvadaKedavra_120, JoeDirt_122, LeBron_119, Zaria_124, Halena_120, Tyson_121, OhShagHennessy_112, Wamburgrxpress_122, Appletree2_119, Wyatt2_120
• Track 2 : Poochiewood_119
• Track 3 : Claus_127, Gardann_128, Netyap_126, Lewan_130, ZhongYanYuan_125, Loadrie_129, Underpass_121, Rossetti_129, Soap141_129, Vetrix_128, Miley16_128, DHan_130, Sarshaun_130, Zakai_130
• Track 4 : BigCheese_127, SoJulia_131, Faith1_126, Wigglewiggle_129, Gabriela_128, Breezona_128, Crossroads_131, Itos_128, Nicholasp3_129, DrSeegs_126, Winky_128
• Track 5 : Archie_127
• Track 6 : Bazzle_125
• Track 7 : DanBing_132
• Track 8 : Baoshan_125

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 16 of the 37 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_120, Appletree2_119, AvadaKedavra_120, Calm_127, CicholasNage_114, Halena_120, JoeDirt_122, LeBron_119, MAckerman_121, OhShagHennessy_112, Rose5_121, Tyson_121, UPIE_119, Wamburgrxpress_122, Wyatt2_120, Zaria_124,

Genes that have the "Most Annotated" start but do not call it:
• Poochiewood_119,

Genes that do not have the "Most Annotated" start:
• Archie_127, Baoshan_125, Bazzle_125, BigCheese_127, Breezona_128, Claus_127, Crossroads_131, DHan_130, DanBing_132, DrSeegs_126, Faith1_126, Gabriela_128, Gardann_128, Itos_128, Lewan_130, Loadrie_129, Miley16_128,

Netyap_126, Nicholasp3_129, Rossetti_129, Sarshaun_130, SoJulia_131, Soap141_129, Underpass_121, Vetrix_128, Wigglewiggle_129, Winky_128, Zakai_130, ZhongYanYuan_125,

Summary by start number:

Start 5:
• Found in 28 of 46 (60.9%) of genes in pham
• Manual Annotations of this start: 11 of 37
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Archie_127 (L2), BigCheese_127 (L2), Breezona_128 (L2), Crossroads_131 (L2), DrSeegs_126 (L2), Faith1_126 (L2), Gabriela_128 (L2), Itos_128 (L2), Nicholasp3_129 (L2), SoJulia_131 (L2), Wigglewiggle_129 (L2), Winky_128 (L2),

Start 6:
• Found in 28 of 46 (60.9%) of genes in pham
• Manual Annotations of this start: 10 of 37
• Called 57.1% of time when present
• Phage (with cluster) where this start called: Bazzle_125 (L2), Claus_127 (L2), DHan_130 (L2), DanBing_132 (L2), Gardann_128 (L2), Lewan_130 (L2), Loadrie_129 (L2), Miley16_128 (L2), Netyap_126 (L2), Rossetti_129 (L2), Sarshaun_130 (L2), Soap141_129 (L2), Underpass_121 (L2), Vetrix_128 (L2), Zakai_130 (L2), ZhongYanYuan_125 (L2),

Start 8:
• Found in 17 of 46 (37.0%) of genes in pham
• Manual Annotations of this start: 16 of 37
• Called 94.1% of time when present
• Phage (with cluster) where this start called: Acquire49_120 (L1), Appletree2_119 (L1), AvadaKedavra_120 (L1), Calm_127 (L1), CicholasNage_114 (L1), Halena_120 (L1), JoeDirt_122 (L1), LeBron_119 (L1), MAckerman_121 (L1), OhShagHennessy_112 (L1), Rose5_121 (L1), Tyson_121 (L1), UPIE_119 (L1), Wamburgrxpress_122 (L1), Wyatt2_120 (L1), Zaria_124 (L1),

Start 9:
• Found in 1 of 46 (2.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Baoshan_125 (L2),

Start 11:
• Found in 45 of 46 (97.8%) of genes in pham
• No Manual Annotations of this start.
• Called 2.2% of time when present
• Phage (with cluster) where this start called: Poochiewood_119 (L1),

Summary by clusters:

There are 2 clusters represented in this pham: L2, L1,

Info for manual annotations of cluster L1:
•Start number 8 was manually annotated 16 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 5 was manually annotated 11 times for cluster L2.
•Start number 6 was manually annotated 10 times for cluster L2.

Gene Information:

Gene: Acquire49_120 Start: 65386, Stop: 65159, Start Num: 8
Candidate Starts for Acquire49_120:
(Start: 8 @65386 has 16 MA's), (11, 65347), (12, 65341), (14, 65254),

Gene: Appletree2_119 Start: 65427, Stop: 65200, Start Num: 8
Candidate Starts for Appletree2_119:
(Start: 8 @65427 has 16 MA's), (11, 65388), (12, 65382), (14, 65295),

Gene: Archie_127 Start: 68037, Stop: 67777, Start Num: 5
Candidate Starts for Archie_127:
(1, 68229), (2, 68214), (3, 68190), (Start: 5 @68037 has 11 MA's), (Start: 6 @68019 has 10 MA's), (7, 68007), (11, 67965), (13, 67884),

Gene: AvadaKedavra_120 Start: 65500, Stop: 65273, Start Num: 8
Candidate Starts for AvadaKedavra_120:
(Start: 8 @65500 has 16 MA's), (11, 65461), (12, 65455), (14, 65368),

Gene: Baoshan_125 Start: 67732, Stop: 67535, Start Num: 9
Candidate Starts for Baoshan_125:
(4, 67801), (9, 67732), (10, 67729), (13, 67642),

Gene: Bazzle_125 Start: 68196, Stop: 67951, Start Num: 6
Candidate Starts for Bazzle_125:
(1, 68406), (2, 68391), (3, 68367), (Start: 5 @68214 has 11 MA's), (Start: 6 @68196 has 10 MA's), (7, 68184), (11, 68139), (13, 68058),

Gene: BigCheese_127 Start: 67971, Stop: 67708, Start Num: 5
Candidate Starts for BigCheese_127:
(Start: 5 @67971 has 11 MA's), (Start: 6 @67953 has 10 MA's), (7, 67941), (11, 67896), (13, 67815),

Gene: Breezona_128 Start: 68306, Stop: 68043, Start Num: 5
Candidate Starts for Breezona_128:
(Start: 5 @68306 has 11 MA's), (Start: 6 @68288 has 10 MA's), (7, 68276), (11, 68231), (13, 68150),

Gene: Calm_127 Start: 66601, Stop: 66374, Start Num: 8
Candidate Starts for Calm_127:
(Start: 8 @66601 has 16 MA's), (11, 66562), (12, 66556), (14, 66469),

Gene: CicholasNage_114 Start: 65731, Stop: 65504, Start Num: 8
Candidate Starts for CicholasNage_114:
(Start: 8 @65731 has 16 MA's), (11, 65692), (12, 65686), (14, 65599),

Gene: Claus_127 Start: 67856, Stop: 67611, Start Num: 6
Candidate Starts for Claus_127:

(Start: 5 @67874 has 11 MA's), (Start: 6 @67856 has 10 MA's), (7, 67844), (11, 67799), (13, 67718),

Gene: Crossroads_131 Start: 68238, Stop: 67975, Start Num: 5
Candidate Starts for Crossroads_131:
(Start: 5 @68238 has 11 MA's), (Start: 6 @68220 has 10 MA's), (7, 68208), (11, 68163), (13, 68082),

Gene: DHan_130 Start: 68359, Stop: 68114, Start Num: 6
Candidate Starts for DHan_130:
(Start: 5 @68377 has 11 MA's), (Start: 6 @68359 has 10 MA's), (7, 68347), (11, 68302), (13, 68221),

Gene: DanBing_132 Start: 68654, Stop: 68409, Start Num: 6
Candidate Starts for DanBing_132:
(Start: 5 @68672 has 11 MA's), (Start: 6 @68654 has 10 MA's), (11, 68597), (13, 68516),

Gene: DrSeegs_126 Start: 68306, Stop: 68043, Start Num: 5
Candidate Starts for DrSeegs_126:
(Start: 5 @68306 has 11 MA's), (Start: 6 @68288 has 10 MA's), (7, 68276), (11, 68231), (13, 68150),

Gene: Faith1_126 Start: 67614, Stop: 67351, Start Num: 5
Candidate Starts for Faith1_126:
(Start: 5 @67614 has 11 MA's), (Start: 6 @67596 has 10 MA's), (7, 67584), (11, 67539), (13, 67458),

Gene: Gabriela_128 Start: 67402, Stop: 67139, Start Num: 5
Candidate Starts for Gabriela_128:
(Start: 5 @67402 has 11 MA's), (Start: 6 @67384 has 10 MA's), (7, 67372), (11, 67327), (13, 67246),

Gene: Gardann_128 Start: 68061, Stop: 67816, Start Num: 6
Candidate Starts for Gardann_128:
(Start: 5 @68079 has 11 MA's), (Start: 6 @68061 has 10 MA's), (7, 68049), (11, 68004), (13, 67923),

Gene: Halena_120 Start: 65374, Stop: 65147, Start Num: 8
Candidate Starts for Halena_120:
(Start: 8 @65374 has 16 MA's), (11, 65335), (12, 65329), (14, 65242),

Gene: Itos_128 Start: 66520, Stop: 66257, Start Num: 5
Candidate Starts for Itos_128:
(Start: 5 @66520 has 11 MA's), (Start: 6 @66502 has 10 MA's), (7, 66490), (11, 66445), (13, 66364),

Gene: JoeDirt_122 Start: 66605, Stop: 66378, Start Num: 8
Candidate Starts for JoeDirt_122:
(Start: 8 @66605 has 16 MA's), (11, 66566), (12, 66560), (14, 66473),

Gene: LeBron_119 Start: 64990, Stop: 64763, Start Num: 8
Candidate Starts for LeBron_119:
(Start: 8 @64990 has 16 MA's), (11, 64951), (12, 64945), (14, 64858),

Gene: Lewan_130 Start: 68579, Stop: 68334, Start Num: 6
Candidate Starts for Lewan_130:
(Start: 5 @68597 has 11 MA's), (Start: 6 @68579 has 10 MA's), (7, 68567), (11, 68522), (13, 68441),

Gene: Loadrie_129 Start: 68611, Stop: 68366, Start Num: 6
Candidate Starts for Loadrie_129:
(Start: 5 @68629 has 11 MA's), (Start: 6 @68611 has 10 MA's), (7, 68599), (11, 68554), (13, 68473),

Gene: MAckerman_121 Start: 65367, Stop: 65140, Start Num: 8
Candidate Starts for MAckerman_121:
(Start: 8 @65367 has 16 MA's), (11, 65328), (12, 65322), (14, 65235),

Gene: Miley16_128 Start: 68288, Stop: 68043, Start Num: 6
Candidate Starts for Miley16_128:
(Start: 5 @68306 has 11 MA's), (Start: 6 @68288 has 10 MA's), (7, 68276), (11, 68231), (13, 68150),

Gene: Netyap_126 Start: 68002, Stop: 67757, Start Num: 6
Candidate Starts for Netyap_126:
(Start: 5 @68020 has 11 MA's), (Start: 6 @68002 has 10 MA's), (7, 67990), (11, 67945), (13, 67864),

Gene: Nicholasp3_129 Start: 68079, Stop: 67816, Start Num: 5
Candidate Starts for Nicholasp3_129:
(Start: 5 @68079 has 11 MA's), (Start: 6 @68061 has 10 MA's), (7, 68049), (11, 68004), (13, 67923),

Gene: OhShagHennessy_112 Start: 64152, Stop: 63925, Start Num: 8
Candidate Starts for OhShagHennessy_112:
(Start: 8 @64152 has 16 MA's), (11, 64113), (12, 64107), (14, 64020),

Gene: Poochiewood_119 Start: 66784, Stop: 66596, Start Num: 11
Candidate Starts for Poochiewood_119:
(Start: 8 @66823 has 16 MA's), (11, 66784), (12, 66778), (14, 66691),

Gene: Rose5_121 Start: 65664, Stop: 65437, Start Num: 8
Candidate Starts for Rose5_121:
(Start: 8 @65664 has 16 MA's), (11, 65625), (12, 65619), (14, 65532),

Gene: Rossetti_129 Start: 68236, Stop: 67991, Start Num: 6
Candidate Starts for Rossetti_129:
(Start: 5 @68254 has 11 MA's), (Start: 6 @68236 has 10 MA's), (7, 68224), (11, 68179), (13, 68098),

Gene: Sarshaun_130 Start: 68955, Stop: 68710, Start Num: 6
Candidate Starts for Sarshaun_130:
(Start: 5 @68973 has 11 MA's), (Start: 6 @68955 has 10 MA's), (7, 68943), (11, 68898), (13, 68817),

Gene: SoJulia_131 Start: 70082, Stop: 69819, Start Num: 5
Candidate Starts for SoJulia_131:
(Start: 5 @70082 has 11 MA's), (Start: 6 @70064 has 10 MA's), (7, 70052), (11, 70007), (13, 69926),

Gene: Soap141_129 Start: 68955, Stop: 68710, Start Num: 6
Candidate Starts for Soap141_129:
(Start: 5 @68973 has 11 MA's), (Start: 6 @68955 has 10 MA's), (7, 68943), (11, 68898), (13, 68817),

Gene: Tyson_121 Start: 66094, Stop: 65867, Start Num: 8
Candidate Starts for Tyson_121:
(Start: 8 @66094 has 16 MA's), (11, 66055), (12, 66049), (14, 65962),

Gene: UPIE_119 Start: 65331, Stop: 65104, Start Num: 8
Candidate Starts for UPIE_119:
(Start: 8 @65331 has 16 MA's), (11, 65292), (12, 65286), (14, 65199),

Gene: Underpass_121 Start: 63101, Stop: 62856, Start Num: 6
Candidate Starts for Underpass_121:
(Start: 5 @63119 has 11 MA's), (Start: 6 @63101 has 10 MA's), (7, 63089), (11, 63044), (13, 62963),

Gene: Vetrix_128 Start: 68598, Stop: 68353, Start Num: 6
Candidate Starts for Vetrix_128:
(Start: 5 @68616 has 11 MA's), (Start: 6 @68598 has 10 MA's), (7, 68586), (11, 68541), (13, 68460),

Gene: Wamburgrxpress_122 Start: 65997, Stop: 65770, Start Num: 8
Candidate Starts for Wamburgrxpress_122:
(Start: 8 @65997 has 16 MA's), (11, 65958), (12, 65952), (14, 65865),

Gene: Wigglewiggle_129 Start: 68212, Stop: 67949, Start Num: 5
Candidate Starts for Wigglewiggle_129:
(Start: 5 @68212 has 11 MA's), (Start: 6 @68194 has 10 MA's), (7, 68182), (11, 68137), (13, 68056),

Gene: Winky_128 Start: 68307, Stop: 68044, Start Num: 5
Candidate Starts for Winky_128:
(Start: 5 @68307 has 11 MA's), (Start: 6 @68289 has 10 MA's), (7, 68277), (11, 68232), (13, 68151),

Gene: Wyatt2_120 Start: 65757, Stop: 65530, Start Num: 8
Candidate Starts for Wyatt2_120:
(Start: 8 @65757 has 16 MA's), (11, 65718), (12, 65712), (14, 65625),

Gene: Zakai_130 Start: 67999, Stop: 67754, Start Num: 6
Candidate Starts for Zakai_130:
(Start: 5 @68017 has 11 MA's), (Start: 6 @67999 has 10 MA's), (7, 67987), (11, 67942), (13, 67861),

Gene: Zaria_124 Start: 66066, Stop: 65839, Start Num: 8
Candidate Starts for Zaria_124:
(Start: 8 @66066 has 16 MA's), (11, 66027), (12, 66021), (14, 65934),

Gene: ZhongYanYuan_125 Start: 67479, Stop: 67234, Start Num: 6
Candidate Starts for ZhongYanYuan_125:
(Start: 5 @67497 has 11 MA's), (Start: 6 @67479 has 10 MA's), (7, 67467), (11, 67422), (13, 67341),